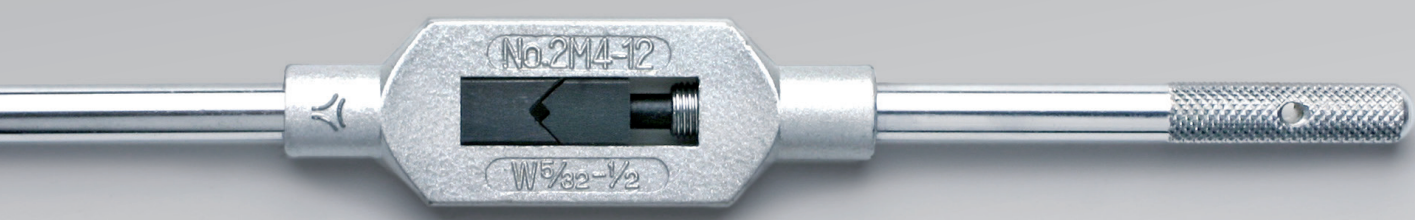


## ИЗГОТОВЛЕНИЕ ВНУТРЕННЕЙ РЕЗЬБЫ

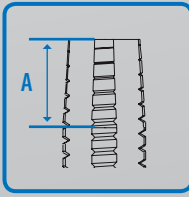
Предварительно необходимо высверлить отверстие под резьбу. Для выбора правильного диаметра отверстия используйте таблицы. Важно: для нарезки резьбы в глухом отверстии необходимо высверлить отверстие на одну заборную часть метчика глубже. Мы рекомендуем Вам раззенковать просверленное отверстие для лёгкого и правильного введения метчика. Закрепите метчик в воротке, или же, при небольших диаметрах метчиков в цанговом воротке. Удостоверьтесь в том, что ручка воротка крепко затянута. Метчик должен входить в отверстие строго перпендикулярно. Под небольшим давлением вворачивайте метчик при помощи воротка по часовой стрелке. После каждого полуоборота необходимо ломать стружку движением против часовой стрелки.

## ► ВНУТРЕННЯЯ РЕЗЬБА



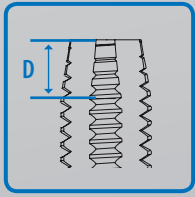
**ЧЕТЫРЁХГРАННИК ПО DIN 10**

для закрепления метчиков в  
воротке (vW).



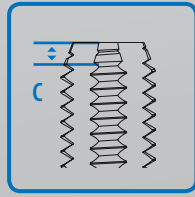
**ПЕРВЫЙ  
(ЧЕРНОВОЙ МЕТЧИК)**

Маркирован одним кольцом,  
длинная заборная часть,  
Форма А / 6-8 витков



**СРЕДНИЙ  
(ПОЛУЧИСТОВОЙ)**

Маркирован двумя кольцами,  
средняя заборная часть,  
Форма D / 3,5-5 витков



**ТРЕТИЙ  
(ЧИСТОВОЙ)**

Без маркировки, короткая  
заборная часть,  
Форма C / 2-3 витка

**МЕТЧИК**  
**DIN 352 · 3S · M4 · 6H · HSS**

*Метчик*

- DIN 352** = Немецкий институт по стандартизации  
**3S** = Набор метчиков 3-шт.  
**M4** = размер в мм для метрических ISO2-резьб в соответствии с DIN 13  
**6H** = класс точности по DIN 802, часть 1  
**HSS** = быстрорежущая сталь группы сплавов HSS

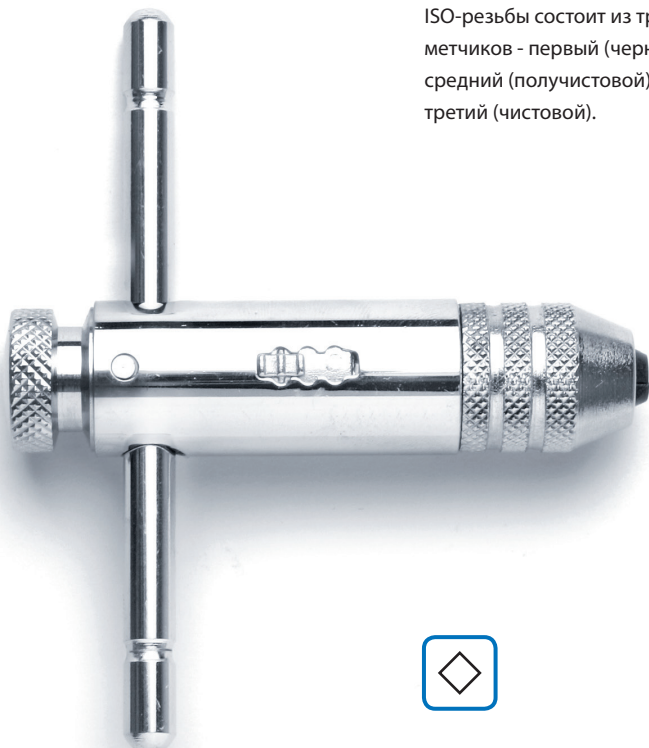
*Маркировка в соответствии с DIN 2197*  
 M4 6H HSS

## ▶ РУЧНОЙ МЕТЧИК

### DIN 352

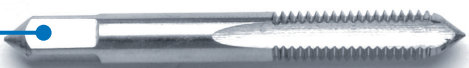
Набор для метрической ISO-резьбы состоит из трёх метчиков - первый (черновой), средний (получистовой) и третий (чистовой).

Метчики до M6 имеют утолщённый хвостовик и 3 канавки. Метчики от M7 имеют проходной хвостовик и 4 канавки.

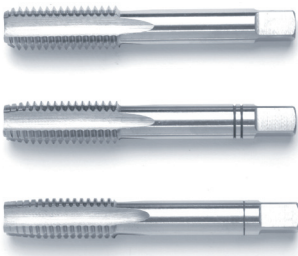


### ЧЕТЫРЁХГРАННИК ПО DIN 10

для закрепления метчиков в воротке (vW).



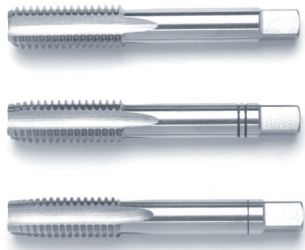
РУЧНОЙ МЕТЧИК DIN 352

| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                |                   |  |
|-----------------------------------------------------------------------------------|----------|------------------------|----------------|-------------------|--|
|  | Норма    | DIN 352                | Обр. Материал  | Сталь             |  |
|                                                                                   | Резьба   | M                      | Вид отверстия  | Сквозное / глухое |  |
|                                                                                   | Материал | HSS-G                  | Направление    | правый            |  |
|                                                                                   |          |                        | Класс точности | ISO2 / 6H         |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 1                                                                               | 0,25                                                                              | 0,75                                                                              | 32                                                                                | 5,5                                                                               | 2,5                                                                               | 2,1                                                                               | 00105010 | 00104011 | 00104012 | 00104013 |
| M 1,1                                                                             | 0,25                                                                              | 0,85                                                                              | 32                                                                                | 5,5                                                                               | 2,5                                                                               | 2,1                                                                               | 00105020 | 00104021 | 00104022 | 00104023 |
| M 1,2                                                                             | 0,25                                                                              | 0,95                                                                              | 32                                                                                | 5,5                                                                               | 2,5                                                                               | 2,1                                                                               | 00105030 | 00104031 | 00104032 | 00104033 |
| M 1,4                                                                             | 0,3                                                                               | 1,1                                                                               | 32                                                                                | 7                                                                                 | 2,5                                                                               | 2,1                                                                               | 00105040 | 00104041 | 00104042 | 00104043 |
| M 1,6                                                                             | 0,35                                                                              | 1,25                                                                              | 32                                                                                | 8                                                                                 | 2,5                                                                               | 2,1                                                                               | 00105050 | 00104051 | 00104052 | 00104053 |
| M 1,7                                                                             | 0,35                                                                              | 1,3                                                                               | 32                                                                                | 8                                                                                 | 2,5                                                                               | 2,1                                                                               | 00105060 | 00104061 | 00104062 | 00104063 |
| M 1,8                                                                             | 0,35                                                                              | 1,45                                                                              | 32                                                                                | 8                                                                                 | 2,5                                                                               | 2,1                                                                               | 00105070 | 00104071 | 00104072 | 00104073 |
| M 2                                                                               | 0,4                                                                               | 1,6                                                                               | 36                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00105080 | 00104081 | 00104082 | 00104083 |
| M 2,2                                                                             | 0,45                                                                              | 1,75                                                                              | 36                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00105090 | 00104091 | 00104092 | 00104093 |
| M 2,3                                                                             | 0,4                                                                               | 1,9                                                                               | 36                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00105100 | 00104101 | 00104102 | 00104103 |
| M 2,5                                                                             | 0,45                                                                              | 2,05                                                                              | 40                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00105110 | 00104111 | 00104112 | 00104113 |
| M 2,6                                                                             | 0,45                                                                              | 2,1                                                                               | 40                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00105120 | 00104121 | 00104122 | 00104123 |
| M 3                                                                               | 0,5                                                                               | 2,5                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00105130 | 00104131 | 00104132 | 00104133 |
| M 3,5                                                                             | 0,6                                                                               | 2,9                                                                               | 45                                                                                | 13                                                                                | 4                                                                                 | 3                                                                                 | 00105140 | 00104141 | 00104142 | 00104143 |
| M 4                                                                               | 0,7                                                                               | 3,3                                                                               | 45                                                                                | 13                                                                                | 4,5                                                                               | 3,4                                                                               | 00105150 | 00104151 | 00104152 | 00104153 |
| M 4,5                                                                             | 0,75                                                                              | 3,7                                                                               | 50                                                                                | 16                                                                                | 6                                                                                 | 4,9                                                                               | 00105160 | 00104161 | 00104162 | 00104163 |
| M 5                                                                               | 0,8                                                                               | 4,2                                                                               | 50                                                                                | 16                                                                                | 6                                                                                 | 4,9                                                                               | 00105170 | 00104171 | 00104172 | 00104173 |
| M 6                                                                               | 1,0                                                                               | 5,0                                                                               | 56                                                                                | 19                                                                                | 6                                                                                 | 4,9                                                                               | 00105190 | 00104191 | 00104192 | 00104193 |
| M 7                                                                               | 1,0                                                                               | 6,0                                                                               | 56                                                                                | 19                                                                                | 6                                                                                 | 4,9                                                                               | 00105200 | 00104201 | 00104202 | 00104203 |
| M 8                                                                               | 1,25                                                                              | 6,8                                                                               | 63                                                                                | 22                                                                                | 6                                                                                 | 4,9                                                                               | 00105210 | 00104211 | 00104212 | 00104213 |
| M 9                                                                               | 1,25                                                                              | 7,8                                                                               | 63                                                                                | 22                                                                                | 7                                                                                 | 5,5                                                                               | 00105220 | 00104221 | 00104222 | 00104223 |
| M 10                                                                              | 1,5                                                                               | 8,5                                                                               | 70                                                                                | 24                                                                                | 7                                                                                 | 5,5                                                                               | 00105230 | 00104231 | 00104232 | 00104233 |
| M 11                                                                              | 1,5                                                                               | 9,5                                                                               | 70                                                                                | 24                                                                                | 8                                                                                 | 6,2                                                                               | 00105240 | 00104241 | 00104242 | 00104243 |
| M 12                                                                              | 1,75                                                                              | 10,2                                                                              | 75                                                                                | 28                                                                                | 9                                                                                 | 7                                                                                 | 00105250 | 00104251 | 00104252 | 00104253 |
| M 14                                                                              | 2,0                                                                               | 12,0                                                                              | 80                                                                                | 30                                                                                | 11                                                                                | 9                                                                                 | 00105260 | 00104261 | 00104262 | 00104263 |
| M 16                                                                              | 2,0                                                                               | 14,0                                                                              | 80                                                                                | 32                                                                                | 12                                                                                | 9                                                                                 | 00105270 | 00104271 | 00104272 | 00104273 |
| M 18                                                                              | 2,5                                                                               | 15,5                                                                              | 95                                                                                | 34                                                                                | 14                                                                                | 11                                                                                | 00105280 | 00104281 | 00104282 | 00104283 |
| M 20                                                                              | 2,5                                                                               | 17,5                                                                              | 95                                                                                | 34                                                                                | 16                                                                                | 12                                                                                | 00105290 | 00104291 | 00104292 | 00104293 |
| M 22                                                                              | 2,5                                                                               | 19,5                                                                              | 100                                                                               | 34                                                                                | 18                                                                                | 14,5                                                                              | 00105300 | 00104301 | 00104302 | 00104303 |
| M 24                                                                              | 3,0                                                                               | 21,0                                                                              | 110                                                                               | 38                                                                                | 18                                                                                | 14,5                                                                              | 00105310 | 00104311 | 00104312 | 00104313 |
| M 27                                                                              | 3,0                                                                               | 24,0                                                                              | 110                                                                               | 38                                                                                | 20                                                                                | 16                                                                                | 00105320 | 00104321 | 00104322 | 00104323 |
| M 30                                                                              | 3,5                                                                               | 26,5                                                                              | 125                                                                               | 45                                                                                | 22                                                                                | 18                                                                                | 00105330 | 00104331 | 00104332 | 00104333 |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 33                                                                              | 3,5                                                                               | 29,5                                                                              | 125                                                                               | 50                                                                                | 25                                                                                | 20                                                                                | 00105340 | 00104341 | 00104342 | 00104343 |
| M 36                                                                              | 4,0                                                                               | 32,0                                                                              | 150                                                                               | 56                                                                                | 28                                                                                | 22                                                                                | 00105350 | 00104351 | 00104352 | 00104353 |
| M 39                                                                              | 4,0                                                                               | 35,0                                                                              | 150                                                                               | 60                                                                                | 32                                                                                | 24                                                                                | 00105360 | 00104361 | 00104362 | 00104363 |
| M 42                                                                              | 4,5                                                                               | 37,5                                                                              | 150                                                                               | 60                                                                                | 32                                                                                | 24                                                                                | 00105370 | 00104371 | 00104372 | 00104373 |
| M 45                                                                              | 4,5                                                                               | 40,5                                                                              | 160                                                                               | 65                                                                                | 36                                                                                | 29                                                                                | 00105380 | 00104381 | 00104382 | 00104383 |
| M 48                                                                              | 5,0                                                                               | 43,0                                                                              | 180                                                                               | 70                                                                                | 36                                                                                | 29                                                                                | 00105390 | 00104391 | 00104392 | 00104393 |
| M 52                                                                              | 5,0                                                                               | 47,0                                                                              | 180                                                                               | 70                                                                                | 40                                                                                | 32                                                                                | 00105400 | 00104401 | 00104402 | 00104403 |
| M 56                                                                              | 5,5                                                                               | 50,5                                                                              | 180                                                                               | 70                                                                                | 40                                                                                | 32                                                                                | 00105410 | 00104411 | 00104412 | 00104413 |
| M 60                                                                              | 5,5                                                                               | 54,5                                                                              | 200                                                                               | 75                                                                                | 45                                                                                | 35                                                                                | 00105420 | 00104421 | 00104422 | 00104423 |
| M 64                                                                              | 6,0                                                                               | 58,0                                                                              | 220                                                                               | 80                                                                                | 50                                                                                | 39                                                                                | 00105430 | 00104431 | 00104432 | 00104433 |

РУЧНОЙ МЕТЧИК



ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

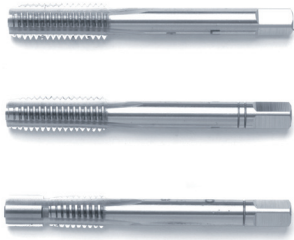
|          |         |                |                   |
|----------|---------|----------------|-------------------|
| Норма    | DIN 352 | Обр. Материал  | VA-Сталь          |
| Резьба   | M       | Вид отверстия  | Сквозное / глухое |
| Материал | HSSE-G  | Направление    | правый            |
|          |         | Класс точности | ISO2 / 6H         |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 3                                                                                 | 0,5                                                                                 | 2,5                                                                                 | 40                                                                                  | 12                                                                                  | 3,5                                                                                 | 2,7                                                                                 | 00107130 | 00106131 | 00106132 | 00106133 |
| M 4                                                                                 | 0,7                                                                                 | 3,3                                                                                 | 45                                                                                  | 14                                                                                  | 4,5                                                                                 | 3,4                                                                                 | 00107150 | 00106151 | 00106152 | 00106153 |
| M 5                                                                                 | 0,8                                                                                 | 4,2                                                                                 | 50                                                                                  | 16                                                                                  | 6                                                                                   | 4,9                                                                                 | 00107170 | 00106171 | 00106172 | 00106173 |
| M 6                                                                                 | 1,0                                                                                 | 5,0                                                                                 | 56                                                                                  | 19                                                                                  | 6                                                                                   | 4,9                                                                                 | 00107190 | 00106191 | 00106192 | 00106193 |
| M 8                                                                                 | 1,25                                                                                | 6,8                                                                                 | 63                                                                                  | 22                                                                                  | 6                                                                                   | 4,9                                                                                 | 00107210 | 00106211 | 00106212 | 00106213 |
| M 10                                                                                | 1,5                                                                                 | 8,5                                                                                 | 70                                                                                  | 25                                                                                  | 7                                                                                   | 5,5                                                                                 | 00107230 | 00106231 | 00106232 | 00106233 |
| M 12                                                                                | 1,75                                                                                | 10,2                                                                                | 75                                                                                  | 28                                                                                  | 9                                                                                   | 7                                                                                   | 00107250 | 00106251 | 00106252 | 00106253 |
| M 14                                                                                | 2,0                                                                                 | 12,0                                                                                | 80                                                                                  | 32                                                                                  | 11                                                                                  | 9                                                                                   | 00107260 | 00106261 | 00106262 | 00106263 |
| M 16                                                                                | 2,0                                                                                 | 14,0                                                                                | 80                                                                                  | 32                                                                                  | 12                                                                                  | 9                                                                                   | 00107270 | 00106271 | 00106272 | 00106273 |
| M 18                                                                                | 2,5                                                                                 | 15,5                                                                                | 95                                                                                  | 34                                                                                  | 14                                                                                  | 11                                                                                  | 00107280 | 00106281 | 00106282 | 00106283 |
| M 20                                                                                | 2,5                                                                                 | 17,5                                                                                | 95                                                                                  | 34                                                                                  | 16                                                                                  | 12                                                                                  | 00107290 | 00106291 | 00106292 | 00106293 |
| M 22                                                                                | 2,5                                                                                 | 19,5                                                                                | 100                                                                                 | 34                                                                                  | 18                                                                                  | 14,5                                                                                | 00107300 | 00106301 | 00106302 | 00106303 |
| M 24                                                                                | 3,0                                                                                 | 21,0                                                                                | 110                                                                                 | 38                                                                                  | 18                                                                                  | 14,5                                                                                | 00107310 | 00106311 | 00106312 | 00106313 |
| M 27                                                                                | 3,0                                                                                 | 24,0                                                                                | 110                                                                                 | 38                                                                                  | 20                                                                                  | 16                                                                                  | 00107320 | 00106321 | 00106322 | 00106323 |
| M 30                                                                                | 3,5                                                                                 | 26,5                                                                                | 125                                                                                 | 45                                                                                  | 22                                                                                  | 18                                                                                  | 00107330 | 00106331 | 00106332 | 00106333 |
| M 33                                                                                | 3,5                                                                                 | 29,5                                                                                | 125                                                                                 | 50                                                                                  | 25                                                                                  | 20                                                                                  | 00107340 | 00106341 | 00106342 | 00106343 |
| M 36                                                                                | 4,0                                                                                 | 32,0                                                                                | 150                                                                                 | 56                                                                                  | 28                                                                                  | 22                                                                                  | 00107350 | 00106351 | 00106352 | 00106353 |
| M 39                                                                                | 4,0                                                                                 | 35,0                                                                                | 150                                                                                 | 60                                                                                  | 32                                                                                  | 24                                                                                  | 00107360 | 00106361 | 00106362 | 00106363 |

РУЧНОЙ МЕТЧИК DIN 352

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 42                                                                              | 4,5                                                                               | 37,5                                                                              | 150                                                                               | 60                                                                                | 32                                                                                | 24                                                                                | 00107370 | 00106371 | 00106372 | 00106373 |
| M 45                                                                              | 4,5                                                                               | 40,5                                                                              | 160                                                                               | 65                                                                                | 36                                                                                | 29                                                                                | 00107380 | 00106381 | 00106382 | 00106383 |
| M 48                                                                              | 5,0                                                                               | 43,0                                                                              | 180                                                                               | 70                                                                                | 36                                                                                | 29                                                                                | 00107390 | 00106391 | 00106392 | 00106393 |
| M 52                                                                              | 5,0                                                                               | 47,0                                                                              | 180                                                                               | 70                                                                                | 40                                                                                | 32                                                                                | 00107400 | 00106401 | 00106402 | 00106403 |
| M 56                                                                              | 5,5                                                                               | 51,5                                                                              | 180                                                                               | 70                                                                                | 40                                                                                | 32                                                                                | 00107410 | 00106411 | 00106412 | 00106413 |
| M 60                                                                              | 5,5                                                                               | 54,5                                                                              | 200                                                                               | 75                                                                                | 45                                                                                | 35                                                                                | 00107420 | 00106421 | 00106422 | 00106423 |
| M 64                                                                              | 6,0                                                                               | 58,0                                                                              | 220                                                                               | 80                                                                                | 50                                                                                | 39                                                                                | 00107430 | 00106431 | 00106432 | 00106433 |

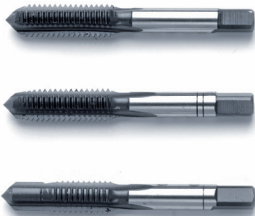
ЧЕРНОВОЙ МЕТЧИК С ЦАПФОЙ



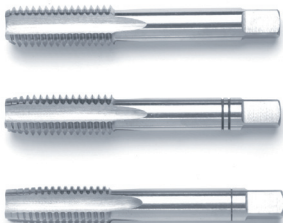
ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

|          |         |                |                   |
|----------|---------|----------------|-------------------|
| Норма    | DIN 352 | Обр. Материал  | Сталь             |
| Резьба   | M       | Вид отверстия  | Сквозное / глухое |
| Материал | HSSE-G  | Направление    | правый            |
|          |         | Класс точности | ISO2 / 6H         |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 3                                                                                 | 0,5                                                                                 | 2,5                                                                                 | 40                                                                                  | 11                                                                                  | 3,5                                                                                 | 2,7                                                                                 | 00113130 | 00112131 | 00112132 | 00112133 |
| M 4                                                                                 | 0,7                                                                                 | 3,3                                                                                 | 45                                                                                  | 13                                                                                  | 4,5                                                                                 | 3,4                                                                                 | 00113150 | 00112151 | 00112152 | 00112153 |
| M 5                                                                                 | 0,8                                                                                 | 4,2                                                                                 | 50                                                                                  | 16                                                                                  | 6                                                                                   | 4,9                                                                                 | 00113170 | 00112171 | 00112172 | 00112173 |
| M 6                                                                                 | 1,0                                                                                 | 5,0                                                                                 | 56                                                                                  | 19                                                                                  | 6                                                                                   | 4,9                                                                                 | 00113190 | 00112191 | 00112192 | 00112193 |
| M 8                                                                                 | 1,25                                                                                | 6,8                                                                                 | 63                                                                                  | 22                                                                                  | 6                                                                                   | 4,9                                                                                 | 00113210 | 00112211 | 00112212 | 00112213 |
| M 10                                                                                | 1,5                                                                                 | 8,5                                                                                 | 70                                                                                  | 24                                                                                  | 7                                                                                   | 5,5                                                                                 | 00113230 | 00112231 | 00112232 | 00112233 |
| M 12                                                                                | 1,75                                                                                | 10,2                                                                                | 75                                                                                  | 28                                                                                  | 9                                                                                   | 7                                                                                   | 00113250 | 00112251 | 00112252 | 00112253 |
| M 14                                                                                | 2,0                                                                                 | 12,0                                                                                | 80                                                                                  | 32                                                                                  | 11                                                                                  | 9                                                                                   | 00113260 | 00112261 | 00112262 | 00112263 |
| M 16                                                                                | 2,0                                                                                 | 14,0                                                                                | 80                                                                                  | 32                                                                                  | 12                                                                                  | 9                                                                                   | 00113270 | 00112271 | 00112272 | 00112273 |
| M 18                                                                                | 2,5                                                                                 | 15,5                                                                                | 95                                                                                  | 34                                                                                  | 14                                                                                  | 11                                                                                  | 00113280 | 00112281 | 00112282 | 00112283 |
| M 20                                                                                | 2,5                                                                                 | 17,5                                                                                | 95                                                                                  | 34                                                                                  | 16                                                                                  | 12                                                                                  | 00113290 | 00112291 | 00112292 | 00112293 |
| M 22                                                                                | 2,5                                                                                 | 19,5                                                                                | 100                                                                                 | 34                                                                                  | 18                                                                                  | 14,5                                                                                | 00113300 | 00112301 | 00112302 | 00112303 |
| M 24                                                                                | 3,0                                                                                 | 21,0                                                                                | 110                                                                                 | 38                                                                                  | 18                                                                                  | 14,5                                                                                | 00113310 | 00112311 | 00112312 | 00112313 |

| ЧЕРНОВОЙ МЕТЧИК С ЦАПФОЙ, ВАПОРИЗИРОВАННЫЙ                                        |  |  | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |          |                |                   |
|-----------------------------------------------------------------------------------|--|--|------------------------|----------|----------------|-------------------|
|  |  |  | Норма                  | DIN 352  | Обр. Материал  | Сталь             |
|                                                                                   |  |  | Резьба                 | M        | Вид отверстия  | Сквозное / глухое |
|                                                                                   |  |  | Материал               | HSSE-VAP | Направление    | правый            |
|                                                                                   |  |  |                        |          | Класс точности | ISO2 / 6H         |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 3                                                                               | 0,5                                                                               | 2,5                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00813130 | 00812131 | 00812132 | 00812133 |
| M 4                                                                               | 0,7                                                                               | 3,3                                                                               | 45                                                                                | 13                                                                                | 4,5                                                                               | 3,4                                                                               | 00813150 | 00812151 | 00812152 | 00812153 |
| M 5                                                                               | 0,8                                                                               | 4,2                                                                               | 50                                                                                | 16                                                                                | 6                                                                                 | 4,9                                                                               | 00813170 | 00812171 | 00812172 | 00812173 |
| M 6                                                                               | 1,0                                                                               | 5,0                                                                               | 56                                                                                | 19                                                                                | 6                                                                                 | 4,9                                                                               | 00813190 | 00812191 | 00812192 | 00812193 |
| M 8                                                                               | 1,25                                                                              | 6,8                                                                               | 63                                                                                | 22                                                                                | 6                                                                                 | 4,9                                                                               | 00813210 | 00812211 | 00812212 | 00812213 |
| M 10                                                                              | 1,5                                                                               | 8,5                                                                               | 70                                                                                | 24                                                                                | 7                                                                                 | 5,5                                                                               | 00813230 | 00812231 | 00812232 | 00812233 |
| M 12                                                                              | 1,75                                                                              | 10,2                                                                              | 75                                                                                | 28                                                                                | 9                                                                                 | 7                                                                                 | 00813250 | 00812251 | 00812252 | 00812253 |
| M 14                                                                              | 2,0                                                                               | 12,0                                                                              | 80                                                                                | 32                                                                                | 11                                                                                | 9                                                                                 | 00813260 | 00812261 | 00812262 | 00812263 |
| M 16                                                                              | 2,0                                                                               | 14,0                                                                              | 80                                                                                | 32                                                                                | 12                                                                                | 9                                                                                 | 00813270 | 00812271 | 00812272 | 00812273 |
| M 18                                                                              | 2,5                                                                               | 15,5                                                                              | 95                                                                                | 34                                                                                | 14                                                                                | 11                                                                                | 00813280 | 00812281 | 00812282 | 00812283 |
| M 20                                                                              | 2,5                                                                               | 17,5                                                                              | 95                                                                                | 34                                                                                | 16                                                                                | 12                                                                                | 00813290 | 00812291 | 00812292 | 00812293 |
| M 22                                                                              | 2,5                                                                               | 19,5                                                                              | 100                                                                               | 34                                                                                | 18                                                                                | 14,5                                                                              | 00813300 | 00812301 | 00812302 | 00812303 |
| M 24                                                                              | 3,0                                                                               | 21,0                                                                              | 110                                                                               | 38                                                                                | 18                                                                                | 14,5                                                                              | 00813310 | 00812311 | 00812312 | 00812313 |

| РУЧНОЙ МЕТЧИК LN                                                                    |  |  | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |         |                |                   |
|-------------------------------------------------------------------------------------|--|--|------------------------|---------|----------------|-------------------|
|  |  |  | Норма                  | DIN 352 | Обр. Материал  | Сталь             |
|                                                                                     |  |  | Резьба                 | M       | Вид отверстия  | Сквозное / глухое |
|                                                                                     |  |  | Материал               | HSS-G   | Направление    | левый             |
|                                                                                     |  |  |                        |         | Класс точности | ISO2 / 6H         |

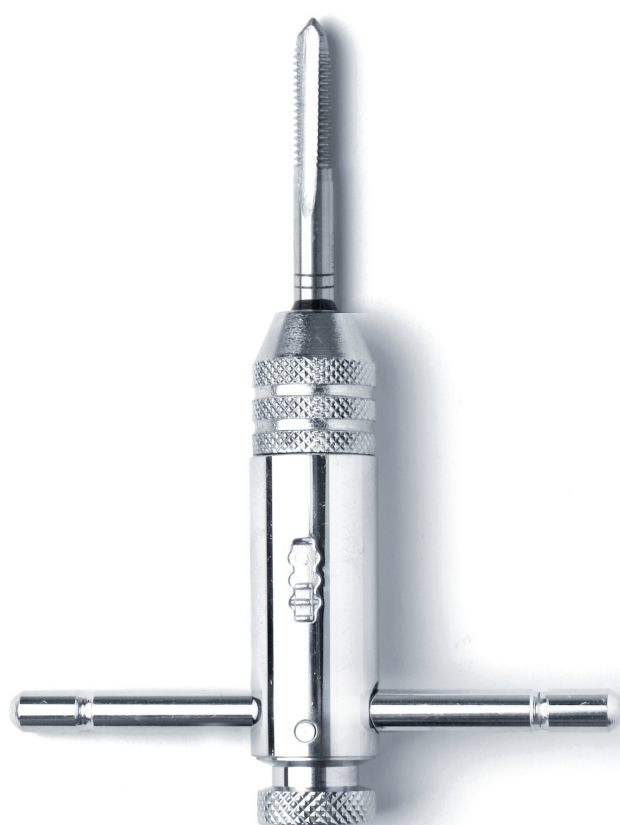
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 3                                                                                 | 0,5                                                                                 | 2,5                                                                                 | 40                                                                                  | 12                                                                                  | 3,5                                                                                 | 2,7                                                                                 | 00109130 | 00108131 | 00108132 | 00108133 |
| M 4                                                                                 | 0,7                                                                                 | 3,3                                                                                 | 45                                                                                  | 14                                                                                  | 4,5                                                                                 | 3,4                                                                                 | 00109150 | 00108151 | 00108152 | 00108153 |
| M 5                                                                                 | 0,8                                                                                 | 4,2                                                                                 | 48                                                                                  | 16                                                                                  | 6                                                                                   | 4,9                                                                                 | 00109170 | 00108171 | 00108172 | 00108173 |
| M 6                                                                                 | 1,0                                                                                 | 5,0                                                                                 | 56                                                                                  | 19                                                                                  | 6                                                                                   | 4,9                                                                                 | 00109190 | 00108191 | 00108192 | 00108193 |
| M 7                                                                                 | 1,0                                                                                 | 6,0                                                                                 | 56                                                                                  | 19                                                                                  | 6                                                                                   | 4,9                                                                                 | 00109200 | 00108201 | 00108202 | 00108203 |
| M 8                                                                                 | 1,25                                                                                | 6,8                                                                                 | 63                                                                                  | 22                                                                                  | 6                                                                                   | 4,9                                                                                 | 00109210 | 00108211 | 00108212 | 00108213 |
| M 9                                                                                 | 1,25                                                                                | 7,8                                                                                 | 63                                                                                  | 22                                                                                  | 7                                                                                   | 5,5                                                                                 | 00109220 | 00108221 | 00108222 | 00108223 |
| M 10                                                                                | 1,5                                                                                 | 8,5                                                                                 | 70                                                                                  | 24                                                                                  | 7                                                                                   | 5,5                                                                                 | 00109230 | 00108231 | 00108232 | 00108233 |

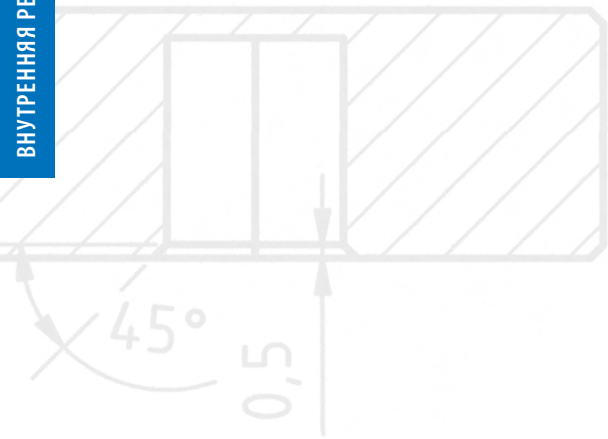


РУЧНОЙ МЕТЧИК DIN 352

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| M 12                                                                              | 1,75                                                                              | 10,2                                                                              | 75                                                                                | 28                                                                                | 9                                                                                 | 7                                                                                 | 00109250 | 00108251 | 00108252 | 00108253 |
| M 14                                                                              | 2,0                                                                               | 12,0                                                                              | 80                                                                                | 32                                                                                | 11                                                                                | 9                                                                                 | 00109260 | 00108261 | 00108262 | 00108263 |
| M 16                                                                              | 2,0                                                                               | 14,0                                                                              | 80                                                                                | 32                                                                                | 12                                                                                | 9                                                                                 | 00109270 | 00108271 | 00108272 | 00108273 |
| M 18                                                                              | 2,5                                                                               | 15,5                                                                              | 95                                                                                | 34                                                                                | 14                                                                                | 11                                                                                | 00109280 | 00108281 | 00108282 | 00108283 |
| M 20                                                                              | 2,5                                                                               | 17,5                                                                              | 95                                                                                | 34                                                                                | 16                                                                                | 12                                                                                | 00109290 | 00108291 | 00108292 | 00108293 |
| M 22                                                                              | 2,5                                                                               | 19,5                                                                              | 100                                                                               | 34                                                                                | 18                                                                                | 14,5                                                                              | 00109300 | 00108301 | 00108302 | 00108303 |
| M 24                                                                              | 3,0                                                                               | 21,0                                                                              | 110                                                                               | 38                                                                                | 18                                                                                | 14,5                                                                              | 00109310 | 00108311 | 00108312 | 00108313 |
| M 27                                                                              | 3,0                                                                               | 24,0                                                                              | 110                                                                               | 38                                                                                | 20                                                                                | 16                                                                                | 00109320 | 00108321 | 00108322 | 00108323 |
| M 30                                                                              | 3,5                                                                               | 26,5                                                                              | 125                                                                               | 45                                                                                | 22                                                                                | 18                                                                                | 00109330 | 00108331 | 00108332 | 00108333 |
| M 33                                                                              | 3,5                                                                               | 29,5                                                                              | 125                                                                               | 50                                                                                | 25                                                                                | 20                                                                                | 00109340 | 00108341 | 00108342 | 00108343 |
| M 36                                                                              | 4,0                                                                               | 32,0                                                                              | 150                                                                               | 56                                                                                | 28                                                                                | 22                                                                                | 00109350 | 00108351 | 00108352 | 00108353 |
| M 39                                                                              | 4,0                                                                               | 35,0                                                                              | 150                                                                               | 60                                                                                | 32                                                                                | 24                                                                                | 00109360 | 00108361 | 00108362 | 00108363 |
| M 42                                                                              | 4,5                                                                               | 37,5                                                                              | 150                                                                               | 60                                                                                | 32                                                                                | 24                                                                                | 00109370 | 00108371 | 00108372 | 00108373 |
| M 45                                                                              | 4,5                                                                               | 40,5                                                                              | 160                                                                               | 65                                                                                | 36                                                                                | 29                                                                                | 00109380 | 00108381 | 00108382 | 00108383 |
| M 48                                                                              | 5,0                                                                               | 43,0                                                                              | 180                                                                               | 70                                                                                | 36                                                                                | 29                                                                                | 00109390 | 00108391 | 00108392 | 00108393 |
| M 52                                                                              | 5,0                                                                               | 47,0                                                                              | 180                                                                               | 70                                                                                | 40                                                                                | 32                                                                                | 00109400 | 00108401 | 00108402 | 00108403 |
| M 56                                                                              | 5,5                                                                               | 51,5                                                                              | 180                                                                               | 70                                                                                | 40                                                                                | 35                                                                                | 00109410 | 00108411 | 00108412 | 00108413 |
| M 60                                                                              | 5,5                                                                               | 54,5                                                                              | 200                                                                               | 75                                                                                | 45                                                                                | 35                                                                                | 00109420 | 00108421 | 00108422 | 00108423 |
| M 64                                                                              | 6,0                                                                               | 58,0                                                                              | 220                                                                               | 80                                                                                | 50                                                                                | 39                                                                                | 00109430 | 00108431 | 00108432 | 00108433 |







## МЕТЧИК DIN 2181 · 2S · M4 × 0,5 · 6H · HSS

### Обозначение

- DIN 2181** = Немецкий институт по стандартизации  
**2S** = Набор метчиков 2-шт.  
**M4 × 0,5** = размер в мм для метрических ISO2-резьб в соответствии с DIN 13  
**6H** = класс точности по DIN 802, часть 1  
**HSS** = быстрорежущая сталь группы сплавов HSS

Маркировка в соответствии с DIN 2197  
M4 × 0,5 6H HSS

### ЧЕТЫРЁХГРАННИК ПО DIN 10

для закрепления метчиков  
в воротке (vW).

## ▶ РУЧНОЙ МЕТЧИК

### DIN 2181

#### ЗАЖИМ

в ключе с трещёткой



Набор для метрической ISO-мелкой резьбы состоит из трёх метчиков - первый (черновой), средний (получистовой) и третий (чистовой).

Метчики до M6,5 имеют утолщённый хвостовик и 3 канавки. Метчики от M6,5 имеют проходной хвостовик и 4 канавки.



DIN 2181

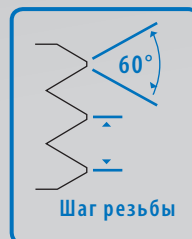
1

2

3

4

6,35<sub>H10</sub>

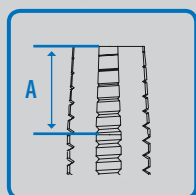


РЕЗЬБА С МЕТРИЧЕСКИМ ПРОФИЛЕМ



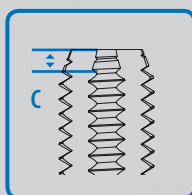
ЧЕТЫРЁХГРАННИК ПО DIN 10

для закрепления метчиков в воротке (vW).



ПЕРВЫЙ (ЧЕРНОВОЙ МЕТЧИК)

Маркирован одним кольцом, длинная заборная часть, Форма А / 6-8 витков



ТРЕТИЙ (ЧИСТОВОЙ)

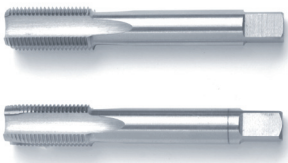
Без маркировки, короткая заборная часть, Форма С / 2-3 витка



ЗАЖИМ

в регулируемом воротке

РУЧНОЙ МЕТЧИК DIN 2181

| РУЧНОЙ МЕТЧИК                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ                                                            |          |                |                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------------|-------------------|
|  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Норма                                                                             | DIN 2181 | Обр. Материал  | Сталь             |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Резьба                                                                            | MF       | Вид отверстия  | Сквозное / глухое |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Материал                                                                          | HSS-G    | Направление    | правый            |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |          | Класс точности | ISO2 / 6H         |
|  |  |  |  |  |  |  | Набор    | Нр. 1          | Нр. 2             |
| MF 2,5 × 0,35                                                                     | 0,35                                                                              | 2,15                                                                              | 40                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00115150 | 00114151       | 00114153          |
| MF 2,6 × 0,35                                                                     | 0,35                                                                              | 2,15                                                                              | 40                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00115160 | 00114161       | 00114163          |
| MF 3 × 0,35                                                                       | 0,35                                                                              | 2,65                                                                              | 40                                                                                | 8                                                                                 | 3,5                                                                               | 2,7                                                                               | 00115200 | 00114201       | 00114203          |
| MF 3,5 × 0,35                                                                     | 0,35                                                                              | 3,15                                                                              | 45                                                                                | 9                                                                                 | 4,0                                                                               | 3,0                                                                               | 00115220 | 00114221       | 00114223          |
| MF 4 × 0,35                                                                       | 0,35                                                                              | 3,65                                                                              | 45                                                                                | 10                                                                                | 4,5                                                                               | 3,4                                                                               | 00115230 | 00114231       | 00114233          |
| MF 4 × 0,5                                                                        | 0,5                                                                               | 3,5                                                                               | 45                                                                                | 10                                                                                | 4,5                                                                               | 3,4                                                                               | 00115240 | 00114241       | 00114243          |
| MF 4,5 × 0,35                                                                     | 0,35                                                                              | 4,15                                                                              | 50                                                                                | 12                                                                                | 6,0                                                                               | 3,4                                                                               | 00115250 | 00114251       | 00114253          |
| MF 4,5 × 0,5                                                                      | 0,5                                                                               | 4,0                                                                               | 50                                                                                | 12                                                                                | 6,0                                                                               | 3,4                                                                               | 00115260 | 00114261       | 00114263          |
| MF 5 × 0,5                                                                        | 0,5                                                                               | 4,5                                                                               | 50                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00115280 | 00114281       | 00114283          |
| MF 5 × 0,75                                                                       | 0,75                                                                              | 4,25                                                                              | 50                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00115290 | 00114291       | 00114293          |
| MF 5,5 × 0,5                                                                      | 0,5                                                                               | 5,0                                                                               | 56                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00115300 | 00114301       | 00114303          |
| MF 5,5 × 0,75                                                                     | 0,75                                                                              | 4,75                                                                              | 56                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00115310 | 00114311       | 00114313          |
| MF 6 × 0,5                                                                        | 0,5                                                                               | 5,5                                                                               | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00115320 | 00114321       | 00114323          |
| MF 6 × 0,75                                                                       | 0,75                                                                              | 5,25                                                                              | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00115330 | 00114331       | 00114333          |
| MF 7 × 0,5                                                                        | 0,5                                                                               | 6,5                                                                               | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00115350 | 00114351       | 00114353          |
| MF 7 × 0,75                                                                       | 0,75                                                                              | 6,25                                                                              | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00115360 | 00114361       | 00114363          |
| MF 8 × 0,5                                                                        | 0,5                                                                               | 7,5                                                                               | 56                                                                                | 18                                                                                | 6,0                                                                               | 4,9                                                                               | 00115380 | 00114381       | 00114383          |
| MF 8 × 0,75                                                                       | 0,75                                                                              | 7,25                                                                              | 56                                                                                | 18                                                                                | 6,0                                                                               | 4,9                                                                               | 00115390 | 00114391       | 00114393          |
| MF 8 × 1                                                                          | 1,0                                                                               | 7,0                                                                               | 63                                                                                | 22                                                                                | 6,0                                                                               | 4,9                                                                               | 00115400 | 00114401       | 00114403          |
| MF 8 × 1,5                                                                        | 1,5                                                                               | 6,5                                                                               | 63                                                                                | 22                                                                                | 6,0                                                                               | 4,9                                                                               | 00115410 | 00114411       | 00114413          |
| MF 9 × 0,5                                                                        | 0,5                                                                               | 8,5                                                                               | 63                                                                                | 22                                                                                | 7,0                                                                               | 5,5                                                                               | 00115420 | 00114421       | 00114423          |
| MF 9 × 0,75                                                                       | 0,75                                                                              | 8,25                                                                              | 63                                                                                | 22                                                                                | 7,0                                                                               | 5,5                                                                               | 00115430 | 00114431       | 00114433          |
| MF 9 × 1                                                                          | 1,0                                                                               | 8,0                                                                               | 63                                                                                | 22                                                                                | 7,0                                                                               | 5,5                                                                               | 00115440 | 00114441       | 00114443          |
| MF 10 × 0,5                                                                       | 0,5                                                                               | 9,5                                                                               | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00115450 | 00114451       | 00114453          |
| MF 10 × 0,75                                                                      | 0,75                                                                              | 9,25                                                                              | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00115460 | 00114461       | 00114463          |
| MF 10 × 1                                                                         | 1,0                                                                               | 9,0                                                                               | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00115470 | 00114471       | 00114473          |
| MF 10 × 1,25                                                                      | 1,25                                                                              | 8,8                                                                               | 70                                                                                | 24                                                                                | 7,0                                                                               | 5,5                                                                               | 00115480 | 00114481       | 00114483          |
| MF 11 × 0,5                                                                       | 0,5                                                                               | 10,5                                                                              | 63                                                                                | 20                                                                                | 8,0                                                                               | 6,2                                                                               | 00115490 | 00114491       | 00114493          |
| MF 11 × 0,75                                                                      | 0,75                                                                              | 10,25                                                                             | 63                                                                                | 20                                                                                | 8,0                                                                               | 6,2                                                                               | 00115500 | 00114501       | 00114503          |
| MF 11 × 1                                                                         | 1,0                                                                               | 10,0                                                                              | 63                                                                                | 20                                                                                | 8,0                                                                               | 6,2                                                                               | 00115510 | 00114511       | 00114513          |
| MF 11 × 1,25                                                                      | 1,25                                                                              | 9,75                                                                              | 70                                                                                | 22                                                                                | 8,0                                                                               | 6,2                                                                               | 00115520 | 00114521       | 00114523          |
| MF 12 × 0,5                                                                       | 0,5                                                                               | 11,5                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00115530 | 00114531       | 00114533          |
| MF 12 × 0,75                                                                      | 0,75                                                                              | 11,25                                                                             | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00115540 | 00114541       | 00114543          |
| MF 12 × 1                                                                         | 1,0                                                                               | 11,0                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00115550 | 00114551       | 00114553          |
| MF 12 × 1,25                                                                      | 1,25                                                                              | 10,8                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00115560 | 00114561       | 00114563          |
| MF 12 × 1,5                                                                       | 1,5                                                                               | 10,5                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00115570 | 00114571       | 00114573          |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| MF 13 × 0,5                                                                       | 0,5                                                                               | 12,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115580 | 00114581 | 00114583 |
| MF 13 × 0,75                                                                      | 0,75                                                                              | 12,25                                                                             | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115590 | 00114591 | 00114593 |
| MF 13 × 1                                                                         | 1,0                                                                               | 12,0                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115600 | 00114601 | 00114603 |
| MF 13 × 1,25                                                                      | 1,25                                                                              | 11,75                                                                             | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115610 | 00114611 | 00114613 |
| MF 13 × 1,5                                                                       | 1,5                                                                               | 11,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115620 | 00114621 | 00114623 |
| MF 14 × 0,5                                                                       | 0,5                                                                               | 13,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115630 | 00114631 | 00114633 |
| MF 14 × 0,75                                                                      | 0,75                                                                              | 13,25                                                                             | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115640 | 00114641 | 00114643 |
| MF 14 × 1                                                                         | 1,0                                                                               | 13,0                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115650 | 00114651 | 00114653 |
| MF 14 × 1,25                                                                      | 1,25                                                                              | 12,8                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115660 | 00114661 | 00114663 |
| MF 14 × 1,5                                                                       | 1,5                                                                               | 12,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00115670 | 00114671 | 00114673 |
| MF 15 × 0,5                                                                       | 0,5                                                                               | 14,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115680 | 00114681 | 00114683 |
| MF 15 × 0,75                                                                      | 0,75                                                                              | 14,25                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115690 | 00114691 | 00114693 |
| MF 15 × 1                                                                         | 1,0                                                                               | 14,0                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115700 | 00114701 | 00114703 |
| MF 15 × 1,25                                                                      | 1,25                                                                              | 13,8                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115710 | 00114711 | 00114713 |
| MF 15 × 1,5                                                                       | 1,5                                                                               | 13,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115720 | 00114721 | 00114723 |
| MF 16 × 0,5                                                                       | 0,5                                                                               | 15,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115730 | 00114731 | 00114733 |
| MF 16 × 0,75                                                                      | 0,75                                                                              | 15,25                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115740 | 00114741 | 00114743 |
| MF 16 × 1                                                                         | 1,0                                                                               | 15,0                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115750 | 00114751 | 00114753 |
| MF 16 × 1,25                                                                      | 1,25                                                                              | 14,75                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115760 | 00114761 | 00114763 |
| MF 16 × 1,5                                                                       | 1,5                                                                               | 14,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115770 | 00114771 | 00114773 |
| MF 17 × 0,75                                                                      | 0,75                                                                              | 16,25                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115780 | 00114781 | 00114783 |
| MF 17 × 1                                                                         | 1,0                                                                               | 16,0                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115790 | 00114791 | 00114793 |
| MF 17 × 1,5                                                                       | 1,5                                                                               | 15,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00115800 | 00114801 | 00114803 |
| MF 18 × 0,5                                                                       | 0,5                                                                               | 17,5                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115820 | 00114821 | 00114823 |
| MF 18 × 0,75                                                                      | 0,75                                                                              | 17,25                                                                             | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115830 | 00114831 | 00114833 |
| MF 18 × 1                                                                         | 1,0                                                                               | 17,0                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115840 | 00114841 | 00114843 |
| MF 18 × 1,25                                                                      | 1,25                                                                              | 16,75                                                                             | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115850 | 00114851 | 00114853 |
| MF 18 × 1,5                                                                       | 1,5                                                                               | 16,5                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115860 | 00114861 | 00114863 |
| MF 18 × 2                                                                         | 2,0                                                                               | 16,0                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115870 | 00114871 | 00114873 |
| MF 19 × 1                                                                         | 1,0                                                                               | 18,0                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115880 | 00114881 | 00114883 |
| MF 19 × 1,5                                                                       | 1,5                                                                               | 17,5                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00115900 | 00114901 | 00114903 |
| MF 20 × 0,5                                                                       | 0,5                                                                               | 19,5                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00115910 | 00114911 | 00114913 |
| MF 20 × 0,75                                                                      | 0,75                                                                              | 19,25                                                                             | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00115920 | 00114921 | 00114923 |
| MF 20 × 1                                                                         | 1,0                                                                               | 19,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00115930 | 00114931 | 00114933 |
| MF 20 × 1,25                                                                      | 1,25                                                                              | 18,75                                                                             | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00115940 | 00114941 | 00114943 |
| MF 20 × 1,5                                                                       | 1,5                                                                               | 18,5                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00115950 | 00114951 | 00114953 |
| MF 20 × 2                                                                         | 2,0                                                                               | 18,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00115960 | 00114961 | 00114963 |
| MF 21 × 1                                                                         | 1,0                                                                               | 20,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00115980 | 00114981 | 00114983 |
| MF 21 × 1,5                                                                       | 1,5                                                                               | 19,5                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00122000 | 00120001 | 00120003 |
| MF 22 × 0,5                                                                       | 0,5                                                                               | 21,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122010 | 00120011 | 00120013 |
| MF 22 × 0,75                                                                      | 0,75                                                                              | 21,25                                                                             | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122020 | 00120021 | 00120023 |
| MF 22 × 1                                                                         | 1,0                                                                               | 21,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122030 | 00120031 | 00120033 |
| MF 22 × 1,25                                                                      | 1,25                                                                              | 20,75                                                                             | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122040 | 00120041 | 00120043 |
| MF 22 × 1,5                                                                       | 1,5                                                                               | 20,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122050 | 00120051 | 00120053 |

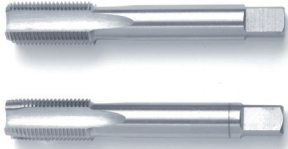
РУЧНОЙ МЕТЧИК DIN 2181

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| MF 22 × 2                                                                         | 2,0                                                                               | 20,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122060 | 00120061 | 00120063 |
| MF 23 × 1                                                                         | 1,0                                                                               | 22,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122070 | 00120071 | 00120073 |
| MF 23 × 1,5                                                                       | 1,5                                                                               | 21,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122080 | 00120081 | 00120083 |
| MF 24 × 0,5                                                                       | 0,5                                                                               | 23,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122090 | 00120091 | 00120093 |
| MF 24 × 0,75                                                                      | 0,75                                                                              | 23,25                                                                             | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122100 | 00120101 | 00120103 |
| MF 24 × 1                                                                         | 1,0                                                                               | 23,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122110 | 00120111 | 00120113 |
| MF 24 × 1,25                                                                      | 1,25                                                                              | 22,75                                                                             | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122120 | 00120121 | 00120123 |
| MF 24 × 1,5                                                                       | 1,5                                                                               | 22,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122130 | 00120131 | 00120133 |
| MF 24 × 2                                                                         | 2,0                                                                               | 22,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122140 | 00120141 | 00120143 |
| MF 25 × 1                                                                         | 1,0                                                                               | 24,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122150 | 00120151 | 00120153 |
| MF 25 × 1,5                                                                       | 1,5                                                                               | 23,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122170 | 00120171 | 00120173 |
| MF 25 × 2                                                                         | 2,0                                                                               | 23,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122180 | 00120181 | 00120183 |
| MF 26 × 1                                                                         | 1,0                                                                               | 25,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122190 | 00120191 | 00120193 |
| MF 26 × 1,25                                                                      | 1,25                                                                              | 24,75                                                                             | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122200 | 00120201 | 00120203 |
| MF 26 × 1,5                                                                       | 1,5                                                                               | 24,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122210 | 00120211 | 00120213 |
| MF 26 × 2                                                                         | 2,0                                                                               | 24,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00122220 | 00120221 | 00120223 |
| MF 27 × 1                                                                         | 1,0                                                                               | 26,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00122230 | 00120231 | 00120233 |
| MF 27 × 1,5                                                                       | 1,5                                                                               | 25,5                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00122240 | 00120241 | 00120243 |
| MF 27 × 2                                                                         | 2,0                                                                               | 25,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00122250 | 00120251 | 00120253 |
| MF 28 × 1                                                                         | 1,0                                                                               | 27,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00122260 | 00120261 | 00120263 |
| MF 28 × 1,5                                                                       | 1,5                                                                               | 26,5                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00122270 | 00120271 | 00120273 |
| MF 28 × 2                                                                         | 2,0                                                                               | 26,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00122280 | 00120281 | 00120283 |
| MF 30 × 1                                                                         | 1,0                                                                               | 29,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00122290 | 00120291 | 00120293 |
| MF 30 × 1,5                                                                       | 1,5                                                                               | 28,5                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00122300 | 00120301 | 00120303 |
| MF 30 × 2                                                                         | 2,0                                                                               | 28,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00122310 | 00120311 | 00120313 |
| MF 30 × 3                                                                         | 3,0                                                                               | 27,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00122320 | 00120321 | 00120323 |
| MF 32 × 1                                                                         | 1,0                                                                               | 31,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00122330 | 00120331 | 00120333 |
| MF 32 × 1,5                                                                       | 1,5                                                                               | 30,5                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00122340 | 00120341 | 00120343 |
| MF 32 × 2                                                                         | 2,0                                                                               | 30,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00122350 | 00120351 | 00120353 |
| MF 32 × 3                                                                         | 3,0                                                                               | 29,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00122360 | 00120361 | 00120363 |
| MF 33 × 1                                                                         | 1,0                                                                               | 32,0                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00122370 | 00120371 | 00120373 |
| MF 33 × 1,5                                                                       | 1,5                                                                               | 31,5                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00122380 | 00120381 | 00120383 |
| MF 33 × 2                                                                         | 2,0                                                                               | 31,0                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00122390 | 00120391 | 00120393 |
| MF 33 × 3                                                                         | 3,0                                                                               | 30,0                                                                              | 125                                                                               | 50                                                                                | 25,0                                                                              | 20,0                                                                              | 00122400 | 00120401 | 00120403 |
| MF 34 × 1                                                                         | 1,0                                                                               | 33,0                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122410 | 00120411 | 00120413 |
| MF 34 × 1,5                                                                       | 1,5                                                                               | 32,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122420 | 00120421 | 00120423 |
| MF 34 × 2                                                                         | 2,0                                                                               | 32,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122430 | 00120431 | 00120433 |
| MF 34 × 3                                                                         | 3,0                                                                               | 31,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122440 | 00120441 | 00120443 |
| MF 35 × 1                                                                         | 1,0                                                                               | 34,0                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122450 | 00120451 | 00120453 |
| MF 35 × 1,5                                                                       | 1,5                                                                               | 33,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122460 | 00120461 | 00120463 |
| MF 35 × 2                                                                         | 2,0                                                                               | 33,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122470 | 00120471 | 00120473 |
| MF 35 × 3                                                                         | 3,0                                                                               | 32,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122480 | 00120481 | 00120483 |
| MF 36 × 1                                                                         | 1,0                                                                               | 35,0                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122490 | 00120491 | 00120493 |
| MF 36 × 1,5                                                                       | 1,5                                                                               | 34,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122500 | 00120501 | 00120503 |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
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| MF 36 × 2                                                                         | 2,0                                                                               | 34,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122510 | 00120511 | 00120513 |
| MF 36 × 3                                                                         | 3,0                                                                               | 33,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122520 | 00120521 | 00120523 |
| MF 38 × 1                                                                         | 1,0                                                                               | 37,0                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122530 | 00120531 | 00120533 |
| MF 38 × 1,5                                                                       | 1,5                                                                               | 36,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00122540 | 00120541 | 00120543 |
| MF 38 × 2                                                                         | 2,0                                                                               | 36,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122550 | 00120551 | 00120553 |
| MF 38 × 3                                                                         | 3,0                                                                               | 35,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00122560 | 00120561 | 00120563 |
| MF 39 × 1,5                                                                       | 1,5                                                                               | 37,5                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00122570 | 00120571 | 00120573 |
| MF 39 × 2                                                                         | 2,0                                                                               | 37,0                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00122580 | 00120581 | 00120583 |
| MF 39 × 3                                                                         | 3,0                                                                               | 36,0                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00122590 | 00120591 | 00120593 |
| MF 40 × 1                                                                         | 1,0                                                                               | 39,0                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00122600 | 00120601 | 00120603 |
| MF 40 × 1,5                                                                       | 1,5                                                                               | 38,5                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00122610 | 00120611 | 00120613 |
| MF 40 × 2                                                                         | 2,0                                                                               | 38,0                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00122620 | 00120621 | 00120623 |
| MF 40 × 3                                                                         | 3,0                                                                               | 37,0                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00122630 | 00120631 | 00120633 |
| MF 42 × 1,5                                                                       | 1,5                                                                               | 40,5                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00122640 | 00120641 | 00120643 |
| MF 42 × 2                                                                         | 2,0                                                                               | 40,0                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00122650 | 00120651 | 00120653 |
| MF 42 × 3                                                                         | 3,0                                                                               | 39,0                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00122660 | 00120661 | 00120663 |
| MF 42 × 4                                                                         | 4,0                                                                               | 38,0                                                                              | 160                                                                               | 65                                                                                | 32,0                                                                              | 24,0                                                                              | 00122670 | 00120671 | 00120673 |
| MF 45 × 1                                                                         | 1,0                                                                               | 44,0                                                                              | 110                                                                               | 25                                                                                | 36,0                                                                              | 29,0                                                                              | 00122680 | 00120681 | 00120683 |
| MF 45 × 1,5                                                                       | 1,5                                                                               | 43,5                                                                              | 110                                                                               | 25                                                                                | 36,0                                                                              | 29,0                                                                              | 00122690 | 00120691 | 00120693 |
| MF 45 × 2                                                                         | 2,0                                                                               | 43,0                                                                              | 125                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122700 | 00120701 | 00120703 |
| MF 45 × 3                                                                         | 3,0                                                                               | 42,0                                                                              | 125                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122710 | 00120711 | 00120713 |
| MF 45 × 4                                                                         | 4,0                                                                               | 41,0                                                                              | 160                                                                               | 65                                                                                | 36,0                                                                              | 29,0                                                                              | 00122720 | 00120721 | 00120723 |
| MF 48 × 1                                                                         | 1,0                                                                               | 47,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122730 | 00120731 | 00120733 |
| MF 48 × 1,5                                                                       | 1,5                                                                               | 46,5                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122740 | 00120741 | 00120743 |
| MF 48 × 2                                                                         | 2,0                                                                               | 46,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122750 | 00120751 | 00120753 |
| MF 48 × 3                                                                         | 3,0                                                                               | 45,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122760 | 00120761 | 00120763 |
| MF 48 × 4                                                                         | 4,0                                                                               | 44,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122770 | 00120771 | 00120773 |
| MF 50 × 1                                                                         | 1,0                                                                               | 49,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122780 | 00120781 | 00120783 |
| MF 50 × 1,5                                                                       | 1,5                                                                               | 48,5                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122790 | 00120791 | 00120793 |
| MF 50 × 2                                                                         | 2,0                                                                               | 48,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122800 | 00120801 | 00120803 |
| MF 50 × 3                                                                         | 3,0                                                                               | 47,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00122810 | 00120811 | 00120813 |
| MF 50 × 4                                                                         | 4,0                                                                               | 46,0                                                                              | 160                                                                               | 65                                                                                | 40,0                                                                              | 32,0                                                                              | 00122820 | 00120821 | 00120823 |
| MF 52 × 1                                                                         | 1,0                                                                               | 51,0                                                                              | 140                                                                               | 40                                                                                | 40,0                                                                              | 32,0                                                                              | 00122830 | 00120831 | 00120833 |
| MF 52 × 1,5                                                                       | 1,5                                                                               | 50,5                                                                              | 140                                                                               | 40                                                                                | 40,0                                                                              | 32,0                                                                              | 00122840 | 00120841 | 00120843 |
| MF 52 × 2                                                                         | 2,0                                                                               | 50,0                                                                              | 140                                                                               | 40                                                                                | 40,0                                                                              | 32,0                                                                              | 00122850 | 00120851 | 00120853 |
| MF 52 × 3                                                                         | 3,0                                                                               | 49,0                                                                              | 140                                                                               | 40                                                                                | 40,0                                                                              | 32,0                                                                              | 00122860 | 00120861 | 00120863 |
| MF 52 × 4                                                                         | 4,0                                                                               | 48,0                                                                              | 160                                                                               | 65                                                                                | 40,0                                                                              | 32,0                                                                              | 00122870 | 00120871 | 00120873 |



РУЧНОЙ МЕТЧИК DIN 2181

| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                |                   |  |
|-----------------------------------------------------------------------------------|----------|------------------------|----------------|-------------------|--|
|  | Норма    | DIN 2181               | Обр. Материал  | Сталь             |  |
|                                                                                   | Резьба   | MF                     | Вид отверстия  | Сквозное / глухое |  |
|                                                                                   | Материал | HSSE-G                 | Направление    | правый            |  |
|                                                                                   |          |                        | Класс точности | ISO2 / 6H         |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| MF 2,5 × 0,35                                                                     | 0,35                                                                              | 2,15                                                                              | 40                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00142150 | 00142151 | 00142153 |
| MF 2,6 × 0,35                                                                     | 0,35                                                                              | 2,15                                                                              | 40                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00142161 | 00142161 | 00142163 |
| MF 3 × 0,35                                                                       | 0,35                                                                              | 2,65                                                                              | 40                                                                                | 8                                                                                 | 3,5                                                                               | 2,7                                                                               | 00142200 | 00138201 | 00138203 |
| MF 3,5 × 0,35                                                                     | 0,35                                                                              | 3,15                                                                              | 45                                                                                | 9                                                                                 | 4,0                                                                               | 3,0                                                                               | 00142220 | 00138221 | 00138223 |
| MF 4 × 0,35                                                                       | 0,35                                                                              | 3,65                                                                              | 45                                                                                | 10                                                                                | 4,5                                                                               | 3,4                                                                               | 00142230 | 00138231 | 00138233 |
| MF 4 × 0,5                                                                        | 0,5                                                                               | 3,5                                                                               | 45                                                                                | 10                                                                                | 4,5                                                                               | 3,4                                                                               | 00142240 | 00138241 | 00138243 |
| MF 4,5 × 0,35                                                                     | 0,35                                                                              | 4,15                                                                              | 50                                                                                | 12                                                                                | 6,0                                                                               | 3,4                                                                               | 00142250 | 00138251 | 00138253 |
| MF 4,5 × 0,5                                                                      | 0,5                                                                               | 4,0                                                                               | 50                                                                                | 12                                                                                | 6,0                                                                               | 3,4                                                                               | 00142260 | 00138261 | 00138263 |
| MF 5 × 0,5                                                                        | 0,5                                                                               | 4,5                                                                               | 50                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00142280 | 00138281 | 00138283 |
| MF 5 × 0,75                                                                       | 0,75                                                                              | 4,25                                                                              | 50                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00142290 | 00138291 | 00138293 |
| MF 5,5 × 0,5                                                                      | 0,5                                                                               | 5,0                                                                               | 56                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00142300 | 00138301 | 00138303 |
| MF 5,5 × 0,75                                                                     | 0,75                                                                              | 4,75                                                                              | 56                                                                                | 12                                                                                | 6,0                                                                               | 4,9                                                                               | 00142310 | 00138311 | 00138313 |
| MF 6 × 0,5                                                                        | 0,5                                                                               | 5,5                                                                               | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00142320 | 00138321 | 00138323 |
| MF 6 × 0,75                                                                       | 0,75                                                                              | 5,25                                                                              | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00142330 | 00138331 | 00138333 |
| MF 7 × 0,5                                                                        | 0,5                                                                               | 6,5                                                                               | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00142350 | 00138351 | 00138353 |
| MF 7 × 0,75                                                                       | 0,75                                                                              | 6,25                                                                              | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00142360 | 00138361 | 00138363 |
| MF 8 × 0,5                                                                        | 0,5                                                                               | 7,5                                                                               | 56                                                                                | 18                                                                                | 6,0                                                                               | 4,9                                                                               | 00142380 | 00138381 | 00138383 |
| MF 8 × 0,75                                                                       | 0,75                                                                              | 7,25                                                                              | 56                                                                                | 18                                                                                | 6,0                                                                               | 4,9                                                                               | 00142390 | 00138391 | 00138393 |
| MF 8 × 1                                                                          | 1,0                                                                               | 7,0                                                                               | 63                                                                                | 22                                                                                | 6,0                                                                               | 4,9                                                                               | 00142400 | 00138401 | 00138403 |
| MF 8 × 1,5                                                                        | 1,5                                                                               | 6,5                                                                               | 63                                                                                | 22                                                                                | 6,0                                                                               | 4,9                                                                               | 00142410 | 00138411 | 00138413 |
| MF 9 × 0,5                                                                        | 0,5                                                                               | 8,5                                                                               | 63                                                                                | 22                                                                                | 7,0                                                                               | 5,5                                                                               | 00142420 | 00138421 | 00138423 |
| MF 9 × 0,75                                                                       | 0,75                                                                              | 8,25                                                                              | 63                                                                                | 22                                                                                | 7,0                                                                               | 5,5                                                                               | 00142430 | 00138431 | 00138433 |
| MF 9 × 1                                                                          | 1,0                                                                               | 8,0                                                                               | 63                                                                                | 22                                                                                | 7,0                                                                               | 5,5                                                                               | 00142440 | 00138441 | 00138443 |
| MF 10 × 0,5                                                                       | 0,5                                                                               | 9,5                                                                               | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00142450 | 00138451 | 00138453 |
| MF 10 × 0,75                                                                      | 0,75                                                                              | 9,25                                                                              | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00142460 | 00138461 | 00138463 |
| MF 10 × 1                                                                         | 1,0                                                                               | 9,0                                                                               | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00142470 | 00138471 | 00138473 |
| MF 10 × 1,25                                                                      | 1,25                                                                              | 8,8                                                                               | 70                                                                                | 24                                                                                | 7,0                                                                               | 5,5                                                                               | 00142480 | 00138481 | 00138483 |
| MF 11 × 0,5                                                                       | 0,5                                                                               | 10,5                                                                              | 63                                                                                | 20                                                                                | 8,0                                                                               | 6,2                                                                               | 00142490 | 00138491 | 00138493 |
| MF 11 × 0,75                                                                      | 0,75                                                                              | 10,25                                                                             | 63                                                                                | 20                                                                                | 8,0                                                                               | 6,2                                                                               | 00142500 | 00138501 | 00138503 |
| MF 11 × 1                                                                         | 1,0                                                                               | 10,0                                                                              | 63                                                                                | 20                                                                                | 8,0                                                                               | 6,2                                                                               | 00142510 | 00138511 | 00138513 |
| MF 11 × 1,25                                                                      | 1,25                                                                              | 9,75                                                                              | 70                                                                                | 22                                                                                | 8,0                                                                               | 6,2                                                                               | 00142520 | 00138521 | 00138523 |
| MF 12 × 0,5                                                                       | 0,5                                                                               | 11,5                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00142530 | 00138531 | 00138533 |
| MF 12 × 0,75                                                                      | 0,75                                                                              | 11,25                                                                             | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00142540 | 00138541 | 00138543 |
| MF 12 × 1                                                                         | 1,0                                                                               | 11,0                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00142550 | 00138551 | 00138553 |
| MF 12 × 1,25                                                                      | 1,25                                                                              | 10,8                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00142560 | 00138561 | 00138563 |
| MF 12 × 1,5                                                                       | 1,5                                                                               | 10,5                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00142570 | 00138571 | 00138573 |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| MF 13 × 0,5                                                                       | 0,5                                                                               | 12,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142580 | 00138581 | 00138583 |
| MF 13 × 0,75                                                                      | 0,75                                                                              | 12,25                                                                             | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142590 | 00138591 | 00138593 |
| MF 13 × 1                                                                         | 1,0                                                                               | 12,0                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142600 | 00138601 | 00138603 |
| MF 13 × 1,25                                                                      | 1,25                                                                              | 11,75                                                                             | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142610 | 00138611 | 00138613 |
| MF 13 × 1,5                                                                       | 1,5                                                                               | 11,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142620 | 00138621 | 00138623 |
| MF 14 × 0,5                                                                       | 0,5                                                                               | 13,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142630 | 00138631 | 00138633 |
| MF 14 × 0,75                                                                      | 0,75                                                                              | 13,25                                                                             | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142640 | 00138641 | 00138643 |
| MF 14 × 1                                                                         | 1,0                                                                               | 13,0                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142650 | 00138651 | 00138653 |
| MF 14 × 1,25                                                                      | 1,25                                                                              | 12,8                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142660 | 00138661 | 00138663 |
| MF 14 × 1,5                                                                       | 1,5                                                                               | 12,5                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00142670 | 00138671 | 00138673 |
| MF 15 × 0,5                                                                       | 0,5                                                                               | 14,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142680 | 00138681 | 00138683 |
| MF 15 × 0,75                                                                      | 0,75                                                                              | 14,25                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142690 | 00138691 | 00138693 |
| MF 15 × 1                                                                         | 1,0                                                                               | 14,0                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142700 | 00138701 | 00138703 |
| MF 15 × 1,25                                                                      | 1,25                                                                              | 13,8                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142710 | 00138711 | 00138713 |
| MF 15 × 1,5                                                                       | 1,5                                                                               | 13,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142720 | 00138721 | 00138723 |
| MF 16 × 0,5                                                                       | 0,5                                                                               | 15,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142730 | 00138731 | 00138733 |
| MF 16 × 0,75                                                                      | 0,75                                                                              | 15,25                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142740 | 00138741 | 00138743 |
| MF 16 × 1                                                                         | 1,0                                                                               | 15,0                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142750 | 00138751 | 00138753 |
| MF 16 × 1,25                                                                      | 1,25                                                                              | 14,75                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142760 | 00138761 | 00138763 |
| MF 16 × 1,5                                                                       | 1,5                                                                               | 14,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142770 | 00138771 | 00138773 |
| MF 17 × 0,75                                                                      | 0,75                                                                              | 16,25                                                                             | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142780 | 00138781 | 00138783 |
| MF 17 × 1                                                                         | 1,0                                                                               | 16,0                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142790 | 00138791 | 00138793 |
| MF 17 × 1,5                                                                       | 1,5                                                                               | 15,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00142800 | 00138801 | 00138803 |
| MF 18 × 0,5                                                                       | 0,5                                                                               | 17,5                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142820 | 00138821 | 00138823 |
| MF 18 × 0,75                                                                      | 0,75                                                                              | 17,25                                                                             | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142830 | 00138831 | 00138833 |
| MF 18 × 1                                                                         | 1,0                                                                               | 17,0                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142840 | 00138841 | 00138843 |
| MF 18 × 1,25                                                                      | 1,25                                                                              | 16,75                                                                             | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142850 | 00138851 | 00138853 |
| MF 18 × 1,5                                                                       | 1,5                                                                               | 16,5                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142860 | 00138861 | 00138863 |
| MF 18 × 2                                                                         | 2,0                                                                               | 16,0                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142870 | 00138871 | 00138873 |
| MF 19 × 1                                                                         | 1,0                                                                               | 18,0                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142880 | 00138881 | 00138883 |
| MF 19 × 1,5                                                                       | 1,5                                                                               | 17,5                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00142900 | 00138901 | 00138903 |
| MF 20 × 0,5                                                                       | 0,5                                                                               | 19,5                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00142910 | 00138911 | 00138913 |
| MF 20 × 0,75                                                                      | 0,75                                                                              | 19,25                                                                             | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00142920 | 00138921 | 00138923 |
| MF 20 × 1                                                                         | 1,0                                                                               | 19,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00142930 | 00138931 | 00138933 |
| MF 20 × 1,25                                                                      | 1,25                                                                              | 18,75                                                                             | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00142940 | 00138941 | 00138943 |
| MF 20 × 1,5                                                                       | 1,5                                                                               | 18,5                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00142950 | 00138951 | 00138953 |
| MF 20 × 2                                                                         | 2,0                                                                               | 18,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00142960 | 00138961 | 00138963 |
| MF 21 × 1                                                                         | 1,0                                                                               | 20,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00142980 | 00138981 | 00138983 |
| MF 21 × 1,5                                                                       | 1,5                                                                               | 19,5                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00143000 | 00139001 | 00139003 |
| MF 22 × 0,5                                                                       | 0,5                                                                               | 21,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143010 | 00139011 | 00139013 |
| MF 22 × 0,75                                                                      | 0,75                                                                              | 21,25                                                                             | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143020 | 00139021 | 00139023 |
| MF 22 × 1                                                                         | 1,0                                                                               | 21,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143030 | 00139031 | 00139033 |
| MF 22 × 1,25                                                                      | 1,25                                                                              | 20,75                                                                             | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143040 | 00139041 | 00139043 |
| MF 22 × 1,5                                                                       | 1,5                                                                               | 20,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143050 | 00139051 | 00139053 |

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|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| MF 22 × 2                                                                         | 2,0                                                                               | 20,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143060 | 00139061 | 00139063 |
| MF 23 × 1                                                                         | 1,0                                                                               | 22,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143070 | 00139071 | 00139073 |
| MF 23 × 1,5                                                                       | 1,5                                                                               | 21,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143080 | 00139081 | 00139083 |
| MF 24 × 0,5                                                                       | 0,5                                                                               | 23,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143090 | 00139091 | 00139093 |
| MF 24 × 0,75                                                                      | 0,75                                                                              | 23,25                                                                             | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143100 | 00139101 | 00139103 |
| MF 24 × 1                                                                         | 1,0                                                                               | 23,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143110 | 00139111 | 00139113 |
| MF 24 × 1,25                                                                      | 1,25                                                                              | 22,75                                                                             | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143120 | 00139121 | 00139123 |
| MF 24 × 1,5                                                                       | 1,5                                                                               | 22,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143130 | 00139131 | 00139133 |
| MF 24 × 2                                                                         | 2,0                                                                               | 22,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143140 | 00139141 | 00139143 |
| MF 25 × 1                                                                         | 1,0                                                                               | 24,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143150 | 00139151 | 00139153 |
| MF 25 × 1,5                                                                       | 1,5                                                                               | 23,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143170 | 00139171 | 00139173 |
| MF 25 × 2                                                                         | 2,0                                                                               | 23,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143180 | 00139181 | 00139183 |
| MF 26 × 1                                                                         | 1,0                                                                               | 25,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143190 | 00139191 | 00139193 |
| MF 26 × 1,25                                                                      | 1,25                                                                              | 24,75                                                                             | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143200 | 00139201 | 00139203 |
| MF 26 × 1,5                                                                       | 1,5                                                                               | 24,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143210 | 00139211 | 00139213 |
| MF 26 × 2                                                                         | 2,0                                                                               | 24,0                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00143220 | 00139221 | 00139223 |
| MF 27 × 1                                                                         | 1,0                                                                               | 26,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00143230 | 00139231 | 00139233 |
| MF 27 × 1,5                                                                       | 1,5                                                                               | 25,5                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00143240 | 00139241 | 00139243 |
| MF 27 × 2                                                                         | 2,0                                                                               | 25,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00143250 | 00139251 | 00139253 |
| MF 28 × 1                                                                         | 1,0                                                                               | 27,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00143260 | 00139261 | 00139263 |
| MF 28 × 1,5                                                                       | 1,5                                                                               | 26,5                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00143270 | 00139271 | 00139273 |
| MF 28 × 2                                                                         | 2,0                                                                               | 26,0                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00143280 | 00139281 | 00139283 |
| MF 30 × 1                                                                         | 1,0                                                                               | 29,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00143290 | 00139291 | 00139293 |
| MF 30 × 1,5                                                                       | 1,5                                                                               | 28,5                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00143300 | 00139301 | 00139303 |
| MF 30 × 2                                                                         | 2,0                                                                               | 28,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00143310 | 00139311 | 00139313 |
| MF 30 × 3                                                                         | 3,0                                                                               | 27,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00143320 | 00139321 | 00139323 |
| MF 32 × 1                                                                         | 1,0                                                                               | 31,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00143330 | 00139331 | 00139333 |
| MF 32 × 1,5                                                                       | 1,5                                                                               | 30,5                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00143340 | 00139341 | 00139343 |
| MF 32 × 2                                                                         | 2,0                                                                               | 30,0                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00143350 | 00139351 | 00139353 |
| MF 32 × 3                                                                         | 3,0                                                                               | 29,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00143360 | 00139361 | 00139363 |
| MF 33 × 1                                                                         | 1,0                                                                               | 32,0                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00143370 | 00139371 | 00139373 |
| MF 33 × 1,5                                                                       | 1,5                                                                               | 31,5                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00143380 | 00139381 | 00139383 |
| MF 33 × 2                                                                         | 2,0                                                                               | 31,0                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00143390 | 00139391 | 00139393 |
| MF 33 × 3                                                                         | 3,0                                                                               | 30,0                                                                              | 125                                                                               | 50                                                                                | 25,0                                                                              | 20,0                                                                              | 00143400 | 00139401 | 00139403 |
| MF 34 × 1                                                                         | 1,0                                                                               | 33,0                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00143410 | 00139411 | 00139413 |
| MF 34 × 1,5                                                                       | 1,5                                                                               | 32,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00143420 | 00139421 | 00139423 |
| MF 34 × 2                                                                         | 2,0                                                                               | 32,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00143430 | 00139431 | 00139433 |
| MF 34 × 3                                                                         | 3,0                                                                               | 31,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00143440 | 00139441 | 00139443 |
| MF 35 × 1                                                                         | 1,0                                                                               | 34,0                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00143450 | 00139451 | 00139453 |
| MF 35 × 1,5                                                                       | 1,5                                                                               | 33,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00143460 | 00139461 | 00139463 |
| MF 35 × 2                                                                         | 2,0                                                                               | 33,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00143470 | 00139471 | 00139473 |
| MF 35 × 3                                                                         | 3,0                                                                               | 32,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00143480 | 00139481 | 00139483 |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| MF 36 × 1                                                                         | 1,0                                                                               | 35,0                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00143490 | 00139491 | 00139493 |
| MF 36 × 1,5                                                                       | 1,5                                                                               | 34,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00143500 | 00139501 | 00139503 |
| MF 36 × 2                                                                         | 2,0                                                                               | 34,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00143510 | 00139511 | 00139513 |
| MF 36 × 3                                                                         | 3,0                                                                               | 33,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00143520 | 00139521 | 00139523 |

| РУЧНОЙ МЕТЧИК LH                                                                                                                                                       |  | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |          |                |                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|----------|----------------|-------------------|
| <br> |  | Норма                  | DIN 2181 | Обр. Материал  | Сталь             |
|                                                                                                                                                                        |  | Резьба                 | MF       | Вид отверстия  | Сквозное / глухое |
|                                                                                                                                                                        |  | Материал               | HSS-G    | Направление    | левый             |
|                                                                                                                                                                        |  |                        |          | Класс точности | ISO2 / 6H         |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|----------|
| MF 6 × 0,75                                                                         | 0,75                                                                                | 5,25                                                                                | 56                                                                                  | 14                                                                                  | 6,0                                                                                 | 4,9                                                                                 | 00117330 | 00116331 | 00116333 |
| MF 8 × 0,75                                                                         | 0,75                                                                                | 7,25                                                                                | 56                                                                                  | 18                                                                                  | 6,0                                                                                 | 4,9                                                                                 | 00117390 | 00116391 | 00116393 |
| MF 8 × 1                                                                            | 1,0                                                                                 | 7,0                                                                                 | 63                                                                                  | 22                                                                                  | 6,0                                                                                 | 4,9                                                                                 | 00117400 | 00116401 | 00116403 |
| MF 10 × 1                                                                           | 1,0                                                                                 | 9,0                                                                                 | 63                                                                                  | 20                                                                                  | 7,0                                                                                 | 5,5                                                                                 | 00117470 | 00116471 | 00116473 |
| MF 10 × 1,25                                                                        | 1,25                                                                                | 8,8                                                                                 | 70                                                                                  | 24                                                                                  | 7,0                                                                                 | 5,5                                                                                 | 00117480 | 00116481 | 00116483 |
| MF 12 × 1                                                                           | 1,0                                                                                 | 11,0                                                                                | 70                                                                                  | 22                                                                                  | 9,0                                                                                 | 7,0                                                                                 | 00117550 | 00116551 | 00116553 |
| MF 12 × 1,25                                                                        | 1,25                                                                                | 10,8                                                                                | 70                                                                                  | 22                                                                                  | 9,0                                                                                 | 7,0                                                                                 | 00117560 | 00116561 | 00116563 |
| MF 12 × 1,5                                                                         | 1,5                                                                                 | 10,5                                                                                | 70                                                                                  | 22                                                                                  | 9,0                                                                                 | 7,0                                                                                 | 00117570 | 00116571 | 00116573 |
| MF 14 × 1                                                                           | 1,0                                                                                 | 13,0                                                                                | 70                                                                                  | 22                                                                                  | 11,0                                                                                | 9,0                                                                                 | 00117650 | 00116651 | 00116653 |
| MF 14 × 1,25                                                                        | 1,25                                                                                | 12,8                                                                                | 70                                                                                  | 22                                                                                  | 11,0                                                                                | 9,0                                                                                 | 00117660 | 00116661 | 00116663 |
| MF 14 × 1,5                                                                         | 1,5                                                                                 | 12,5                                                                                | 70                                                                                  | 22                                                                                  | 11,0                                                                                | 9,0                                                                                 | 00117670 | 00116671 | 00116673 |
| MF 16 × 1                                                                           | 1,0                                                                                 | 15,0                                                                                | 70                                                                                  | 22                                                                                  | 12,0                                                                                | 9,0                                                                                 | 00117750 | 00116751 | 00116753 |
| MF 16 × 1,5                                                                         | 1,5                                                                                 | 14,5                                                                                | 70                                                                                  | 22                                                                                  | 12,0                                                                                | 9,0                                                                                 | 00117770 | 00116771 | 00116773 |
| MF 18 × 1,5                                                                         | 1,5                                                                                 | 16,5                                                                                | 80                                                                                  | 22                                                                                  | 14,0                                                                                | 11,0                                                                                | 00117860 | 00116861 | 00116863 |
| MF 20 × 1,5                                                                         | 1,5                                                                                 | 18,5                                                                                | 80                                                                                  | 22                                                                                  | 16,0                                                                                | 12,0                                                                                | 00117950 | 00116951 | 00116953 |
| MF 22 × 1,5                                                                         | 1,5                                                                                 | 20,5                                                                                | 80                                                                                  | 22                                                                                  | 18,0                                                                                | 14,5                                                                                | 00126050 | 00124051 | 00124053 |
| MF 24 × 2                                                                           | 2,0                                                                                 | 22,0                                                                                | 90                                                                                  | 22                                                                                  | 18,0                                                                                | 14,5                                                                                | 00126140 | 00124141 | 00124143 |
| MF 30 × 1,5                                                                         | 1,5                                                                                 | 28,5                                                                                | 90                                                                                  | 22                                                                                  | 22,0                                                                                | 18,0                                                                                | 00126300 | 00124301 | 00124303 |
| MF 30 × 2                                                                           | 2,0                                                                                 | 28,0                                                                                | 90                                                                                  | 22                                                                                  | 22,0                                                                                | 18,0                                                                                | 00126310 | 00124311 | 00124313 |



## ► РУЧНОЙ МЕТЧИК

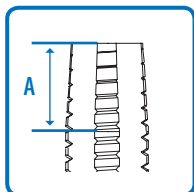
DIN 5157



Двухпроходный набор для  
трубной внутренней резьбы  
– для неплотных соединений  
(G) по DIN ISO 228 часть  
1 – состоит из черногового и  
чистового метчиков. Размеры  
G 1/4 до G 4" изготавливаются  
с проходным хвостовиком  
и четырьмя канавками. Шаг  
резьбы обозначается как  
нити на дюйм.

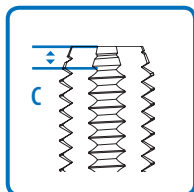
### ЧЕТЫРЁХГРАННИК ПО DIN 10

для закрепления метчиков  
в воротке (vW).



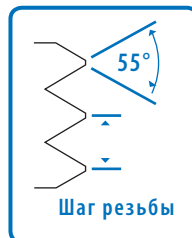
### ПЕРВЫЙ (ЧЕРНОВОЙ МЕТЧИК)

Маркирован одним кольцом,  
длинная заборная часть,  
Форма А / 6-8 витков



### ТРЕТИЙ (ЧИСТОВОЙ)

Без маркировки, короткая  
заборная часть,  
Форма С / 2-3 витка



### РЕЗЬБА С ТРУБНЫМ ПРОФИЛЕМ

Трубные резьбы Витворта имеют профиль резьбы 55° по сравнению с метрическими резьбами с углом в профиле 60°. Различают между цилиндрической и конической резьбами Витворта. Коническая резьба по DIN EN 10226-1 (старое обозначение DIN 2999) является самогерметизирующей (R).

Причина в том, что диаметр конической резьбы после нескольких оборотов полностью соответствует противоположной резьбе. При дальнейшем вкручивании резьбы как бы вливаются друг в друга и таким образом они плотно самогерметизируются. Цилиндрическая резьба по DIN ISO 228 не является самогерметизирующей. (обозначение = G).

**МЕТЧИК**  
**DIN 5157 · 2S · G ½ · 6H · HSS**

### Обозначение

**DIN 5157** = Немецкий институт по стандартизации

2S = Набор метчиков 2-шт.

**G ½ =** Трубая резьба Витворта по DIN ISO 228  
1/2 дюйма (=20,955 мм)

**6H =** класс точности по DIN 802, часть 1

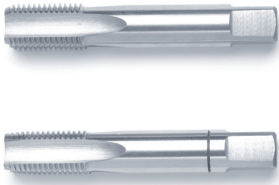
**HSS =** быстрорежущая сталь группы сплавов HSS

Маркировка в соответствии с DIN 2197

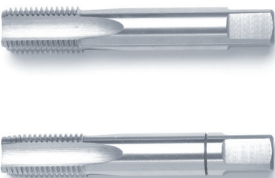
G ½ 6H HSS



РУЧНОЙ МЕТЧИК DIN 5157

| РУЧНОЙ МЕТЧИК                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ                                                            |          |                |                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------------|-------------------|
|  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Норма                                                                             | DIN 5157 | Обр. Материал  | Сталь             |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Резьба                                                                            | BSP      | Вид отверстия  | Сквозное / глухое |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Материал                                                                          | HSS-G    | Направление    | правый            |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |          | Класс точности | 6H                |
|  |  |  |  |  |  |  | Набор    | Нр. 1          | Нр. 2             |
| BSP 1/8                                                                           | 28                                                                                | 8,8                                                                               | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00155020 | 00154021       | 00154023          |
| BSP 1/4                                                                           | 19                                                                                | 11,8                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00155060 | 00154061       | 00154063          |
| BSP 3/8                                                                           | 19                                                                                | 15,3                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00155080 | 00154081       | 00154083          |
| BSP 1/2                                                                           | 14                                                                                | 19,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00155100 | 00154101       | 00154103          |
| BSP 5/8                                                                           | 14                                                                                | 21,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00155120 | 00154121       | 00154123          |
| BSP 3/4                                                                           | 14                                                                                | 24,5                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00155130 | 00154131       | 00154133          |
| BSP 7/8                                                                           | 14                                                                                | 28,3                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00155140 | 00154141       | 00154143          |
| BSP 1                                                                             | 11                                                                                | 30,5                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00155150 | 00154151       | 00154153          |
| BSP 1.1/8                                                                         | 11                                                                                | 35,5                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00155170 | 00154171       | 00154173          |
| BSP 1.1/4                                                                         | 11                                                                                | 39,5                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00155180 | 00154181       | 00154183          |
| BSP 1.3/8                                                                         | 11                                                                                | 42,0                                                                              | 125                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00155190 | 00154191       | 00154193          |
| BSP 1.1/2                                                                         | 11                                                                                | 45,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00155200 | 00154201       | 00154203          |
| BSP 1.5/8                                                                         | 11                                                                                | 49,6                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00155210 | 00154211       | 00154213          |
| BSP 1.3/4                                                                         | 11                                                                                | 51,0                                                                              | 140                                                                               | 40                                                                                | 40,0                                                                              | 32,0                                                                              | 00155220 | 00154221       | 00154223          |
| BSP 2                                                                             | 11                                                                                | 57,0                                                                              | 160                                                                               | 40                                                                                | 45,0                                                                              | 35,0                                                                              | 00155230 | 00154231       | 00154233          |
| BSP 2.1/4                                                                         | 11                                                                                | 63,3                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00155240 | 00154241       | 00154243          |
| BSP 2.1/2                                                                         | 11                                                                                | 72,8                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00155250 | 00154251       | 00154253          |
| BSP 2.3/4                                                                         | 11                                                                                | 79,0                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00155260 | 00154261       | 00154263          |
| BSP 3                                                                             | 11                                                                                | 85,5                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00155270 | 00154271       | 00154273          |
| BSP 3.1/4                                                                         | 11                                                                                | 91,6                                                                              | 180                                                                               | 45                                                                                | 56,0                                                                              | 44,0                                                                              | 00155280 | 00154281       | 00154283          |
| BSP 3.1/2                                                                         | 11                                                                                | 98,0                                                                              | 180                                                                               | 45                                                                                | 63,0                                                                              | 49,0                                                                              | 00155290 | 00154291       | 00154293          |
| BSP 3.3/4                                                                         | 11                                                                                | 104,0                                                                             | 180                                                                               | 45                                                                                | 70,0                                                                              | 55,0                                                                              | 00155300 | 00154301       | 00154303          |
| BSP 4                                                                             | 11                                                                                | 110,7                                                                             | 180                                                                               | 45                                                                                | 70,0                                                                              | 55,0                                                                              | 00155310 | 00154311       | 00154313          |

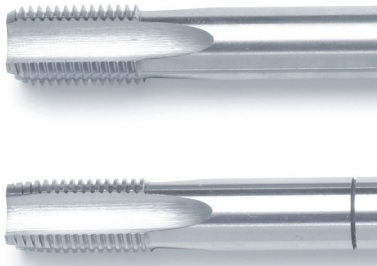
РУЧНОЙ МЕТЧИК



ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

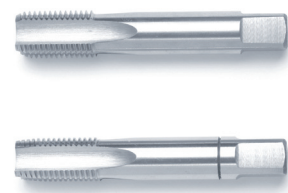
|          |          |                |                   |
|----------|----------|----------------|-------------------|
| Норма    | DIN 5157 | Обр. Материал  | Сталь             |
| Резьба   | BSP      | Вид отверстия  | Сквозное / глухое |
| Материал | HSSE-G   | Направление    | правый            |
|          |          | Класс точности | 6H                |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| BSP 1/8                                                                           | 28                                                                                | 8,8                                                                               | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00159020 | 00158021 | 00158023 |
| BSP 1/4                                                                           | 19                                                                                | 11,8                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00159060 | 00158061 | 00158063 |
| BSP 3/8                                                                           | 19                                                                                | 15,3                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00159080 | 00158081 | 00158083 |
| BSP 1/2                                                                           | 14                                                                                | 19,0                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00159100 | 00158101 | 00158103 |
| BSP 5/8                                                                           | 14                                                                                | 21,0                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00159120 | 00158121 | 00158123 |
| BSP 3/4                                                                           | 14                                                                                | 24,5                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00159130 | 00158131 | 00158133 |
| BSP 7/8                                                                           | 14                                                                                | 28,3                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00159140 | 00158141 | 00158143 |
| BSP 1                                                                             | 11                                                                                | 30,5                                                                              | 100                                                                               | 25                                                                                | 25,0                                                                              | 20,0                                                                              | 00159150 | 00158151 | 00158153 |
| BSP 1.1/8                                                                         | 11                                                                                | 35,5                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00159170 | 00158171 | 00158173 |
| BSP 1.1/4                                                                         | 11                                                                                | 39,5                                                                              | 125                                                                               | 40                                                                                | 32,0                                                                              | 24,0                                                                              | 00159180 | 00158181 | 00158183 |
| BSP 1.3/8                                                                         | 11                                                                                | 42,0                                                                              | 125                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00159190 | 00158191 | 00158193 |
| BSP 1.1/2                                                                         | 11                                                                                | 45,0                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00159200 | 00158201 | 00158203 |
| BSP 1.5/8                                                                         | 11                                                                                | 49,6                                                                              | 140                                                                               | 40                                                                                | 36,0                                                                              | 29,0                                                                              | 00159210 | 00158211 | 00158213 |
| BSP 1.3/4                                                                         | 11                                                                                | 51,0                                                                              | 140                                                                               | 40                                                                                | 40,0                                                                              | 32,0                                                                              | 00159220 | 00158221 | 00158223 |
| BSP 2                                                                             | 11                                                                                | 57,0                                                                              | 160                                                                               | 40                                                                                | 45,0                                                                              | 35,0                                                                              | 00159230 | 00158231 | 00158233 |
| BSP 2.1/4                                                                         | 11                                                                                | 63,3                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00159240 | 00158241 | 00158243 |
| BSP 2.1/2                                                                         | 11                                                                                | 72,8                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00159250 | 00158251 | 00158253 |
| BSP 2.3/4                                                                         | 11                                                                                | 79,0                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00159260 | 00158261 | 00158263 |
| BSP 3                                                                             | 11                                                                                | 85,5                                                                              | 160                                                                               | 40                                                                                | 50,0                                                                              | 39,0                                                                              | 00159270 | 00158271 | 00158273 |





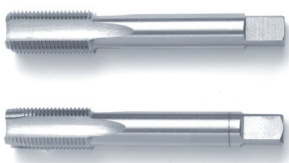
РУЧНОЙ МЕТЧИК LH



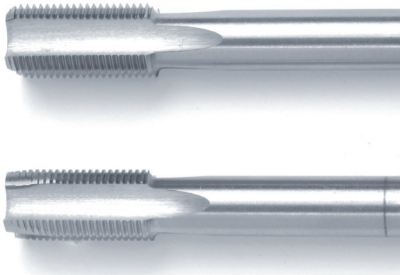
ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

|          |          |                |                   |
|----------|----------|----------------|-------------------|
| Норма    | DIN 5157 | Обр. Материал  | Сталь             |
| Резьба   | BSP      | Вид отверстия  | Сквозное / глухое |
| Материал | HSS-G    | Направление    | левый             |
|          |          | Класс точности | 6H                |

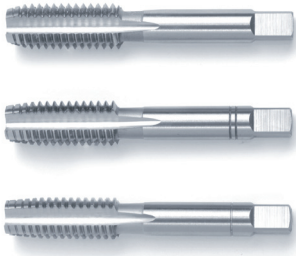
|           |    |      |     |    |      |      | Набор    | Нр. 1    | Нр. 2    |
|-----------|----|------|-----|----|------|------|----------|----------|----------|
| BSP 1/8   | 28 | 8,8  | 63  | 20 | 7,0  | 5,5  | 00157020 | 00156021 | 00156023 |
| BSP 1/4   | 19 | 11,8 | 70  | 22 | 11,0 | 9,0  | 00157060 | 00156061 | 00156063 |
| BSP 3/8   | 19 | 15,3 | 70  | 22 | 12,0 | 9,0  | 00157080 | 00156081 | 00156083 |
| BSP 1/2   | 14 | 19,0 | 80  | 22 | 16,0 | 12,0 | 00157100 | 00156101 | 00156103 |
| BSP 5/8   | 14 | 21,0 | 80  | 22 | 18,0 | 14,5 | 00157120 | 00156121 | 00156123 |
| BSP 3/4   | 14 | 24,5 | 90  | 22 | 20,0 | 16,0 | 00157130 | 00156131 | 00156133 |
| BSP 7/8   | 14 | 28,3 | 90  | 22 | 22,0 | 18,0 | 00157140 | 00156141 | 00156143 |
| BSP 1     | 11 | 30,5 | 100 | 25 | 25,0 | 20,0 | 00157150 | 00156151 | 00156153 |
| BSP 1.1/8 | 11 | 35,5 | 125 | 40 | 28,0 | 22,0 | 00157170 | 00156171 | 00156173 |
| BSP 1.1/4 | 11 | 39,5 | 125 | 40 | 32,0 | 24,0 | 00157180 | 00156181 | 00156183 |
| BSP 1.3/8 | 11 | 42,0 | 125 | 40 | 36,0 | 29,0 | 00157190 | 00156191 | 00156193 |
| BSP 1.1/2 | 11 | 45,0 | 140 | 40 | 36,0 | 29,0 | 00157200 | 00156201 | 00156203 |
| BSP 1.5/8 | 11 | 49,6 | 140 | 40 | 36,0 | 29,0 | 00157210 | 00156211 | 00156213 |
| BSP 1.3/4 | 11 | 51,0 | 140 | 40 | 40,0 | 32,0 | 00157220 | 00156221 | 00156223 |
| BSP 2     | 11 | 57,0 | 160 | 40 | 45,0 | 35,0 | 00157230 | 00156231 | 00156233 |
| BSP 2.1/4 | 11 | 63,3 | 160 | 40 | 50,0 | 39,0 | 00157240 | 00156241 | 00156243 |
| BSP 2.1/2 | 11 | 72,8 | 160 | 40 | 50,0 | 39,0 | 00157250 | 00156251 | 00156253 |
| BSP 2.3/4 | 11 | 79,0 | 160 | 40 | 50,0 | 39,0 | 00157260 | 00156261 | 00156263 |
| BSP 3     | 11 | 85,5 | 160 | 40 | 50,0 | 39,0 | 00157270 | 00156271 | 00156273 |

| РУЧНОЙ МЕТЧИК                                                                     |  | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                        |
|-----------------------------------------------------------------------------------|--|------------------------|------------------------|
|  |  | Норма                  | DIN 2184-2 (~ DIN 352) |
|                                                                                   |  | Резьба                 | BSF                    |
|                                                                                   |  | Материал               | HSS-G                  |
|                                                                                   |  | Обр. Материал          | Сталь                  |
|                                                                                   |  | Вид отверстия          | Сквозное / глухое      |
|                                                                                   |  | Направление            | правый                 |

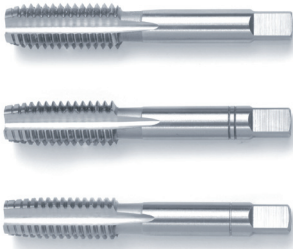
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| BSF 3/16                                                                          | 32                                                                                | 4,0                                                                               | 45                                                                                | 14                                                                                | 5,5                                                                               | 4,3                                                                               | 00145040 | 00144041 | 00144043 |
| BSF 1/4                                                                           | 26                                                                                | 5,3                                                                               | 50                                                                                | 16                                                                                | 6,0                                                                               | 4,9                                                                               | 00145060 | 00144061 | 00144063 |
| BSF 5/16                                                                          | 22                                                                                | 6,8                                                                               | 56                                                                                | 18                                                                                | 6,0                                                                               | 4,9                                                                               | 00145070 | 00144071 | 00144073 |
| BSF 3/8                                                                           | 20                                                                                | 8,3                                                                               | 56                                                                                | 18                                                                                | 7,0                                                                               | 5,5                                                                               | 00145080 | 00144081 | 00144083 |
| BSF 7/16                                                                          | 18                                                                                | 9,7                                                                               | 63                                                                                | 22                                                                                | 8,0                                                                               | 6,2                                                                               | 00145090 | 00144091 | 00144093 |
| BSF 1/2                                                                           | 16                                                                                | 11,1                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00145100 | 00144101 | 00144103 |
| BSF 9/16                                                                          | 16                                                                                | 12,7                                                                              | 70                                                                                | 25                                                                                | 11,0                                                                              | 9,0                                                                               | 00145110 | 00144111 | 00144113 |
| BSF 5/8                                                                           | 14                                                                                | 14,0                                                                              | 70                                                                                | 25                                                                                | 12,0                                                                              | 9,0                                                                               | 00145120 | 00144121 | 00144123 |
| BSF 11/16                                                                         | 14                                                                                | 15,7                                                                              | 80                                                                                | 28                                                                                | 14,0                                                                              | 11,0                                                                              | 00145130 | 00144131 | 00144133 |
| BSF 3/4                                                                           | 12                                                                                | 16,8                                                                              | 80                                                                                | 28                                                                                | 14,0                                                                              | 11,0                                                                              | 00145140 | 00144141 | 00144143 |
| BSF 13/16                                                                         | 12                                                                                | 18,5                                                                              | 90                                                                                | 28                                                                                | 16,0                                                                              | 12,0                                                                              | 00145150 | 00144151 | 00144153 |
| BSF 7/8                                                                           | 11                                                                                | 19,8                                                                              | 90                                                                                | 28                                                                                | 18,0                                                                              | 14,5                                                                              | 00145160 | 00144161 | 00144163 |
| BSF 15/16                                                                         | 11                                                                                | 21,5                                                                              | 90                                                                                | 32                                                                                | 18,0                                                                              | 14,5                                                                              | 00145170 | 00144171 | 00144173 |
| BSF 1                                                                             | 10                                                                                | 22,8                                                                              | 100                                                                               | 32                                                                                | 20,0                                                                              | 16,0                                                                              | 00145180 | 00144181 | 00144183 |
| BSF 1.1/8                                                                         | 9                                                                                 | 25,5                                                                              | 110                                                                               | 40                                                                                | 20,0                                                                              | 16,0                                                                              | 00145200 | 00144201 | 00144203 |
| BSF 1.1/4                                                                         | 9                                                                                 | 28,6                                                                              | 125                                                                               | 46                                                                                | 22,0                                                                              | 18,0                                                                              | 00145210 | 00144211 | 00144213 |
| BSF 1.3/8                                                                         | 8                                                                                 | 31,5                                                                              | 125                                                                               | 46                                                                                | 25,0                                                                              | 20,0                                                                              | 00145220 | 00144221 | 00144223 |
| BSF 1.1/2                                                                         | 8                                                                                 | 34,6                                                                              | 150                                                                               | 55                                                                                | 28,0                                                                              | 22,0                                                                              | 00145230 | 00144231 | 00144233 |
| BSF 1.5/8                                                                         | 8                                                                                 | 38,1                                                                              | 140                                                                               | 45                                                                                | 32,0                                                                              | 24,0                                                                              | 00145240 | 00144241 | 00144243 |
| BSF 1.3/4                                                                         | 7                                                                                 | 40,8                                                                              | 150                                                                               | 50                                                                                | 36,0                                                                              | 29,0                                                                              | 00145250 | 00144251 | 00144253 |
| BSF 2                                                                             | 7                                                                                 | 47,2                                                                              | 150                                                                               | 50                                                                                | 40,0                                                                              | 32,0                                                                              | 00145260 | 00144261 | 00144263 |



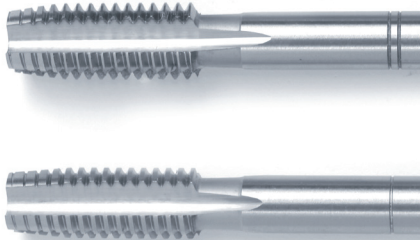
РУЧНОЙ МЕТЧИК DIN 2184-2 / ISO 529

| РУЧНОЙ МЕТЧИК                                                                     |               | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |  |
|-----------------------------------------------------------------------------------|---------------|------------------------|--|
|  | Норма         | DIN 2184-2 (~DIN352)   |  |
|                                                                                   | Резьба        | BSW                    |  |
|                                                                                   | Материал      | HSS-G                  |  |
|                                                                                   | Обр. Материал | Сталь                  |  |
|                                                                                   | Вид отверстия | Сквозное / глухое      |  |
|                                                                                   | Направление   | правый                 |  |

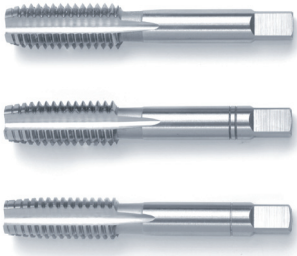
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| BSW 1/16                                                                          | 60                                                                                | 1,2                                                                               | 32                                                                                | 8                                                                                 | 2,5                                                                               | 2,1                                                                               | 00135010 | 00134011 | 00134012 | 00134013 |
| BSW 3/32                                                                          | 48                                                                                | 1,9                                                                               | 40                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00135020 | 00134021 | 00134022 | 00134023 |
| BSW 1/8                                                                           | 40                                                                                | 2,6                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00135030 | 00134031 | 00134032 | 00134033 |
| BSW 5/32                                                                          | 32                                                                                | 3,2                                                                               | 45                                                                                | 13                                                                                | 4,5                                                                               | 3,4                                                                               | 00135040 | 00134041 | 00134042 | 00134043 |
| BSW 3/16                                                                          | 24                                                                                | 3,8                                                                               | 50                                                                                | 16                                                                                | 6,0                                                                               | 4,9                                                                               | 00135050 | 00134051 | 00134052 | 00134053 |
| BSW 7/32                                                                          | 24                                                                                | 4,6                                                                               | 56                                                                                | 17                                                                                | 6,0                                                                               | 4,9                                                                               | 00135060 | 00134061 | 00134062 | 00134063 |
| BSW 1/4                                                                           | 20                                                                                | 5,1                                                                               | 56                                                                                | 19                                                                                | 6,0                                                                               | 4,9                                                                               | 00135070 | 00134071 | 00134072 | 00134073 |
| BSW 5/16                                                                          | 18                                                                                | 6,5                                                                               | 63                                                                                | 22                                                                                | 6,0                                                                               | 4,9                                                                               | 00135080 | 00134081 | 00134082 | 00134083 |
| BSW 3/8                                                                           | 16                                                                                | 7,9                                                                               | 70                                                                                | 24                                                                                | 7,0                                                                               | 5,5                                                                               | 00135090 | 00134091 | 00134092 | 00134093 |
| BSW 7/16                                                                          | 14                                                                                | 9,3                                                                               | 70                                                                                | 24                                                                                | 8,0                                                                               | 6,2                                                                               | 00135100 | 00134101 | 00134102 | 00134103 |
| BSW 1/2                                                                           | 12                                                                                | 10,5                                                                              | 75                                                                                | 28                                                                                | 9,0                                                                               | 7,0                                                                               | 00135110 | 00134111 | 00134112 | 00134113 |
| BSW 9/16                                                                          | 12                                                                                | 12,0                                                                              | 80                                                                                | 30                                                                                | 11,0                                                                              | 9,0                                                                               | 00135120 | 00134121 | 00134122 | 00134123 |
| BSW 5/8                                                                           | 11                                                                                | 13,5                                                                              | 80                                                                                | 32                                                                                | 12,0                                                                              | 9,0                                                                               | 00135130 | 00134131 | 00134132 | 00134133 |
| BSW 3/4                                                                           | 10                                                                                | 16,5                                                                              | 95                                                                                | 34                                                                                | 14,0                                                                              | 11,0                                                                              | 00135140 | 00134141 | 00134142 | 00134143 |
| BSW 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 100                                                                               | 34                                                                                | 18,0                                                                              | 14,5                                                                              | 00135150 | 00134151 | 00134152 | 00134153 |
| BSW 1                                                                             | 8                                                                                 | 22,0                                                                              | 110                                                                               | 38                                                                                | 18,0                                                                              | 14,5                                                                              | 00135160 | 00134161 | 00134162 | 00134163 |
| BSW 1.1/8                                                                         | 7                                                                                 | 25,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00135170 | 00134171 | 00134172 | 00134173 |
| BSW 1.1/4                                                                         | 7                                                                                 | 28,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00135180 | 00134181 | 00134182 | 00134183 |
| BSW 1.3/8                                                                         | 6                                                                                 | 30,5                                                                              | 150                                                                               | 56                                                                                | 28,0                                                                              | 22,0                                                                              | 00135190 | 00134191 | 00134192 | 00134193 |
| BSW 1.1/2                                                                         | 6                                                                                 | 33,5                                                                              | 150                                                                               | 56                                                                                | 28,0                                                                              | 22,0                                                                              | 00135200 | 00134201 | 00134202 | 00134203 |
| BSW 1.5/8                                                                         | 5                                                                                 | 35,5                                                                              | 150                                                                               | 60                                                                                | 32,0                                                                              | 24,0                                                                              | 00135210 | 00134211 | 00134212 | 00134213 |
| BSW 1.3/4                                                                         | 5                                                                                 | 39,0                                                                              | 160                                                                               | 65                                                                                | 36,0                                                                              | 29,0                                                                              | 00135220 | 00134221 | 00134222 | 00134223 |
| BSW 1.7/8                                                                         | 4,5                                                                               | 41,5                                                                              | 180                                                                               | 70                                                                                | 36,0                                                                              | 29,0                                                                              | 00135230 | 00134231 | 00134232 | 00134233 |
| BSW 2                                                                             | 4,5                                                                               | 44,5                                                                              | 180                                                                               | 70                                                                                | 40,0                                                                              | 32,0                                                                              | 00135240 | 00134241 | 00134242 | 00134243 |
| BSW 2.1/4                                                                         | 4                                                                                 | 50,8                                                                              | 200                                                                               | 75                                                                                | 45,0                                                                              | 35,0                                                                              | 00135250 | 00134251 | 00134252 | 00134253 |
| BSW 2.1/2                                                                         | 4                                                                                 | 57,15                                                                             | 220                                                                               | 80                                                                                | 50,0                                                                              | 39,0                                                                              | 00135260 | 00134261 | 00134262 | 00134263 |
| BSW 2.3/4                                                                         | 3,5                                                                               | 62,6                                                                              | 240                                                                               | 80                                                                                | 50,0                                                                              | 39,0                                                                              | 00135270 | 00134271 | 00134272 | 00134273 |
| BSW 3                                                                             | 3,5                                                                               | 68,95                                                                             | 260                                                                               | 85                                                                                | 50,0                                                                              | 39,0                                                                              | 00135280 | 00134281 | 00134282 | 00134283 |

| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |               |                   |  |
|-----------------------------------------------------------------------------------|----------|------------------------|---------------|-------------------|--|
|  | Норма    | ISO 529                | Обр. Материал | Сталь             |  |
|                                                                                   | Резьба   | BSW                    | Вид отверстия | Сквозное / глухое |  |
|                                                                                   | Материал | HSS-G                  | Направление   | правый            |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| BSW 1/8                                                                           | 40                                                                                | 2,6                                                                               | 48                                                                                | 11                                                                                | 3,15                                                                              | 2,5                                                                               | 00137030 | 00136031 | 00136032 | 00136033 |
| BSW 5/32                                                                          | 32                                                                                | 3,2                                                                               | 55                                                                                | 13                                                                                | 4,5                                                                               | 3,55                                                                              | 00137040 | 00136041 | 00136042 | 00136043 |
| BSW 3/16                                                                          | 24                                                                                | 3,8                                                                               | 58                                                                                | 16                                                                                | 5,0                                                                               | 4,0                                                                               | 00137050 | 00136051 | 00136052 | 00136053 |
| BSW 1/4                                                                           | 20                                                                                | 5,1                                                                               | 66                                                                                | 19                                                                                | 6,3                                                                               | 5,0                                                                               | 00137070 | 00136071 | 00136072 | 00136073 |
| BSW 5/16                                                                          | 18                                                                                | 6,5                                                                               | 72                                                                                | 22                                                                                | 8,0                                                                               | 6,3                                                                               | 00137080 | 00136081 | 00136082 | 00136083 |
| BSW 3/8                                                                           | 16                                                                                | 7,9                                                                               | 80                                                                                | 24                                                                                | 10,0                                                                              | 8,0                                                                               | 00137090 | 00136091 | 00136092 | 00136093 |
| BSW 7/16                                                                          | 14                                                                                | 9,3                                                                               | 85                                                                                | 25                                                                                | 8,0                                                                               | 6,3                                                                               | 00137100 | 00136101 | 00136102 | 00136103 |
| BSW 1/2                                                                           | 12                                                                                | 10,5                                                                              | 89                                                                                | 29                                                                                | 9,0                                                                               | 7,1                                                                               | 00137110 | 00136111 | 00136112 | 00136113 |
| BSW 9/16                                                                          | 12                                                                                | 12,0                                                                              | 95                                                                                | 30                                                                                | 11,2                                                                              | 9,0                                                                               | 00137120 | 00136121 | 00136122 | 00136123 |
| BSW 5/8                                                                           | 11                                                                                | 13,5                                                                              | 102                                                                               | 32                                                                                | 12,5                                                                              | 10,0                                                                              | 00137130 | 00136131 | 00136132 | 00136133 |
| BSW 3/4                                                                           | 10                                                                                | 16,5                                                                              | 112                                                                               | 37                                                                                | 14,0                                                                              | 11,2                                                                              | 00137140 | 00136141 | 00136142 | 00136143 |
| BSW 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 118                                                                               | 38                                                                                | 16,0                                                                              | 12,5                                                                              | 00137150 | 00136151 | 00136152 | 00136153 |
| BSW 1                                                                             | 8                                                                                 | 22,0                                                                              | 130                                                                               | 45                                                                                | 18,0                                                                              | 14,0                                                                              | 00137160 | 00136161 | 00136162 | 00136163 |
| BSW 1.1/8                                                                         | 7                                                                                 | 25,0                                                                              | 138                                                                               | 48                                                                                | 20,0                                                                              | 16,0                                                                              | 00137170 | 00136171 | 00136172 | 00136173 |
| BSW 1.1/4                                                                         | 7                                                                                 | 28,0                                                                              | 151                                                                               | 51                                                                                | 22,4                                                                              | 18,0                                                                              | 00137180 | 00136181 | 00136182 | 00136183 |
| BSW 1.3/8                                                                         | 6                                                                                 | 30,5                                                                              | 162                                                                               | 57                                                                                | 25,0                                                                              | 20,0                                                                              | 00137190 | 00136191 | 00136192 | 00136193 |
| BSW 1.1/2                                                                         | 6                                                                                 | 33,5                                                                              | 170                                                                               | 60                                                                                | 28,0                                                                              | 22,4                                                                              | 00137200 | 00136201 | 00136202 | 00136203 |
| BSW 1.3/4                                                                         | 5                                                                                 | 39,0                                                                              | 187                                                                               | 67                                                                                | 31,5                                                                              | 25,0                                                                              | 00137220 | 00136221 | 00136222 | 00136223 |
| BSW 2                                                                             | 4,5                                                                               | 44,5                                                                              | 200                                                                               | 70                                                                                | 35,5                                                                              | 28,0                                                                              | 00137240 | 00136241 | 00136242 | 00136243 |

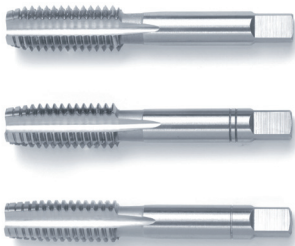


РУЧНОЙ МЕТЧИК DIN 2184-2 / ISO 529

| РУЧНОЙ МЕТЧИК LH                                                                  | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ         |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | НормаDIN 2184-2 (~DIN352)      |
|                                                                                   | РезьбаBSW                      |
|                                                                                   | МатериалHSS-G                  |
|                                                                                   | Обр. МатериалСталь             |
|                                                                                   | Вид отверстияСквозное / глухое |
|                                                                                   | Направлениелевый               |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| BSW 1/16                                                                          | 60                                                                                | 1,2                                                                               | 32                                                                                | 8                                                                                 | 2,5                                                                               | 2,1                                                                               | 00153010 | 00152011 | 00152012 | 00152013 |
| BSW 3/32                                                                          | 48                                                                                | 1,9                                                                               | 40                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00153020 | 00152021 | 00152022 | 00152023 |
| BSW 1/8                                                                           | 40                                                                                | 2,6                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00153030 | 00152031 | 00152032 | 00152033 |
| BSW 5/32                                                                          | 32                                                                                | 3,2                                                                               | 45                                                                                | 13                                                                                | 4,5                                                                               | 3,4                                                                               | 00153040 | 00152041 | 00152042 | 00152043 |
| BSW 3/16                                                                          | 24                                                                                | 3,8                                                                               | 50                                                                                | 16                                                                                | 6,0                                                                               | 4,9                                                                               | 00153050 | 00152051 | 00152052 | 00152053 |
| BSW 7/32                                                                          | 24                                                                                | 4,6                                                                               | 56                                                                                | 17                                                                                | 6,0                                                                               | 4,9                                                                               | 00153060 | 00152061 | 00152062 | 00152063 |
| BSW 1/4                                                                           | 20                                                                                | 5,1                                                                               | 56                                                                                | 19                                                                                | 6,0                                                                               | 4,9                                                                               | 00153070 | 00152071 | 00152072 | 00152073 |
| BSW 5/16                                                                          | 18                                                                                | 6,5                                                                               | 63                                                                                | 22                                                                                | 6,0                                                                               | 4,9                                                                               | 00153080 | 00152081 | 00152082 | 00152083 |
| BSW 3/8                                                                           | 16                                                                                | 7,9                                                                               | 70                                                                                | 24                                                                                | 7,0                                                                               | 5,5                                                                               | 00153090 | 00152091 | 00152092 | 00152093 |
| BSW 7/16                                                                          | 14                                                                                | 9,3                                                                               | 70                                                                                | 24                                                                                | 8,0                                                                               | 6,2                                                                               | 00153100 | 00152101 | 00152102 | 00152103 |
| BSW 1/2                                                                           | 12                                                                                | 10,5                                                                              | 75                                                                                | 28                                                                                | 9,0                                                                               | 7,0                                                                               | 00153110 | 00152111 | 00152112 | 00152113 |
| BSW 9/16                                                                          | 12                                                                                | 12,0                                                                              | 80                                                                                | 30                                                                                | 11,0                                                                              | 9,0                                                                               | 00153120 | 00152121 | 00152122 | 00152123 |
| BSW 5/8                                                                           | 11                                                                                | 13,5                                                                              | 80                                                                                | 32                                                                                | 12,0                                                                              | 9,0                                                                               | 00153130 | 00152131 | 00152132 | 00152133 |
| BSW 3/4                                                                           | 10                                                                                | 16,5                                                                              | 95                                                                                | 34                                                                                | 14,0                                                                              | 11,0                                                                              | 00153140 | 00152141 | 00152142 | 00152143 |
| BSW 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 100                                                                               | 34                                                                                | 18,0                                                                              | 14,5                                                                              | 00153150 | 00152151 | 00152152 | 00152153 |
| BSW 1                                                                             | 8                                                                                 | 22,0                                                                              | 110                                                                               | 38                                                                                | 18,0                                                                              | 14,5                                                                              | 00153160 | 00152161 | 00152162 | 00152163 |
| BSW 1.1/8                                                                         | 7                                                                                 | 25,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00153170 | 00152171 | 00152172 | 00152173 |
| BSW 1.1/4                                                                         | 7                                                                                 | 28,0                                                                              | 125                                                                               | 45                                                                                | 22,0                                                                              | 18,0                                                                              | 00153180 | 00152181 | 00152182 | 00152183 |
| BSW 1.3/8                                                                         | 6                                                                                 | 30,5                                                                              | 150                                                                               | 56                                                                                | 28,0                                                                              | 22,0                                                                              | 00153190 | 00152191 | 00152192 | 00152193 |
| BSW 1.1/2                                                                         | 6                                                                                 | 33,5                                                                              | 150                                                                               | 56                                                                                | 28,0                                                                              | 22,0                                                                              | 00153200 | 00152201 | 00152202 | 00152203 |
| BSW 1.5/8                                                                         | 5                                                                                 | 35,5                                                                              | 150                                                                               | 60                                                                                | 32,0                                                                              | 24,0                                                                              | 00153210 | 00152211 | 00152212 | 00152213 |
| BSW 1.3/4                                                                         | 5                                                                                 | 39                                                                                | 160                                                                               | 65                                                                                | 36,0                                                                              | 29,0                                                                              | 00153220 | 00152321 | 00152322 | 00152323 |
| BSW 1.7/8                                                                         | 4,5                                                                               | 41,5                                                                              | 180                                                                               | 70                                                                                | 36,0                                                                              | 29,0                                                                              | 00153230 | 00152231 | 00152232 | 00152233 |
| BSW 2                                                                             | 4,5                                                                               | 44,5                                                                              | 180                                                                               | 70                                                                                | 40,0                                                                              | 32,0                                                                              | 00153240 | 00152241 | 00152242 | 00152243 |
| BSW 2.1/4                                                                         | 4                                                                                 | 50,8                                                                              | 200                                                                               | 75                                                                                | 45,0                                                                              | 35,0                                                                              | 00153250 | 00152251 | 00152252 | 00152253 |
| BSW 2.1/2                                                                         | 4                                                                                 | 57,15                                                                             | 220                                                                               | 80                                                                                | 50,0                                                                              | 39,0                                                                              | 00153260 | 00152261 | 00152262 | 00152263 |
| BSW 2.3/4                                                                         | 3,5                                                                               | 62,6                                                                              | 240                                                                               | 80                                                                                | 50,0                                                                              | 39,0                                                                              | 00153270 | 00152271 | 00152272 | 00152273 |
| BSW 3                                                                             | 3,5                                                                               | 68,95                                                                             | 260                                                                               | 85                                                                                | 50,0                                                                              | 39,0                                                                              | 00153280 | 00152281 | 00152282 | 00152283 |

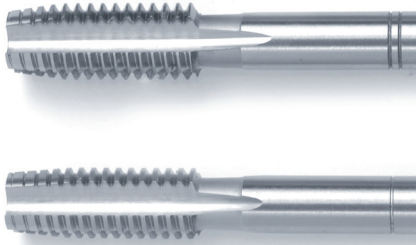
РУЧНОЙ МЕТЧИК LH



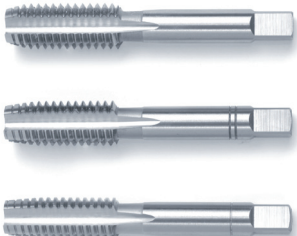
ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

|          |         |               |                   |
|----------|---------|---------------|-------------------|
| Норма    | ISO 529 | Обр. Материал | Сталь             |
| Резьба   | BSW     | Вид отверстия | Сквозное / глухое |
| Материал | HSS-G   | Направление   | левый             |

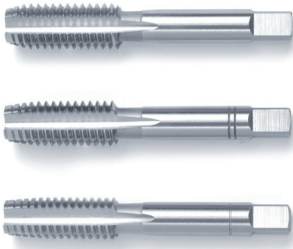
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| BSW 1/8                                                                           | 40                                                                                | 2,6                                                                               | 48                                                                                | 11                                                                                | 3,15                                                                              | 2,5                                                                               | 00129030 | 00127031 | 00127032 | 00127033 |
| BSW 5/32                                                                          | 32                                                                                | 3,2                                                                               | 55                                                                                | 13                                                                                | 4,5                                                                               | 3,55                                                                              | 00129040 | 00127041 | 00127042 | 00127043 |
| BSW 3/16                                                                          | 24                                                                                | 3,8                                                                               | 58                                                                                | 16                                                                                | 5,0                                                                               | 4,0                                                                               | 00129050 | 00127051 | 00127052 | 00127053 |
| BSW 1/4                                                                           | 20                                                                                | 5,1                                                                               | 66                                                                                | 19                                                                                | 6,3                                                                               | 5,0                                                                               | 00129070 | 00127071 | 00127072 | 00127073 |
| BSW 5/16                                                                          | 18                                                                                | 6,5                                                                               | 72                                                                                | 22                                                                                | 8,0                                                                               | 6,3                                                                               | 00129080 | 00127081 | 00127082 | 00127083 |
| BSW 3/8                                                                           | 16                                                                                | 7,9                                                                               | 80                                                                                | 24                                                                                | 10,0                                                                              | 8,0                                                                               | 00129090 | 00127091 | 00127092 | 00127093 |
| BSW 7/16                                                                          | 14                                                                                | 9,3                                                                               | 85                                                                                | 25                                                                                | 8,0                                                                               | 6,3                                                                               | 00129100 | 00127101 | 00127102 | 00127103 |
| BSW 1/2                                                                           | 12                                                                                | 10,5                                                                              | 89                                                                                | 29                                                                                | 9,0                                                                               | 7,1                                                                               | 00129110 | 00127111 | 00127112 | 00127113 |
| BSW 9/16                                                                          | 12                                                                                | 12,0                                                                              | 95                                                                                | 30                                                                                | 11,2                                                                              | 9,0                                                                               | 00129120 | 00127121 | 00127122 | 00127123 |
| BSW 5/8                                                                           | 11                                                                                | 13,5                                                                              | 102                                                                               | 32                                                                                | 12,5                                                                              | 10,0                                                                              | 00129130 | 00127131 | 00127132 | 00127133 |
| BSW 3/4                                                                           | 10                                                                                | 16,5                                                                              | 112                                                                               | 37                                                                                | 14,0                                                                              | 11,2                                                                              | 00129140 | 00127141 | 00127142 | 00127143 |
| BSW 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 118                                                                               | 38                                                                                | 16,0                                                                              | 12,5                                                                              | 00129150 | 00127151 | 00127152 | 00127153 |
| BSW 1                                                                             | 8                                                                                 | 22,0                                                                              | 130                                                                               | 45                                                                                | 18,0                                                                              | 14,0                                                                              | 00129160 | 00127161 | 00127162 | 00127163 |
| BSW 1.1/8                                                                         | 7                                                                                 | 25,0                                                                              | 138                                                                               | 48                                                                                | 20,0                                                                              | 16,0                                                                              | 00129170 | 00127171 | 00127172 | 00127173 |
| BSW 1.1/4                                                                         | 7                                                                                 | 28,0                                                                              | 151                                                                               | 51                                                                                | 22,4                                                                              | 18,0                                                                              | 00129180 | 00127181 | 00127182 | 00127183 |
| BSW 1.3/8                                                                         | 6                                                                                 | 30,5                                                                              | 162                                                                               | 57                                                                                | 25,0                                                                              | 20,0                                                                              | 00129190 | 00127191 | 00127192 | 00127193 |
| BSW 1.1/2                                                                         | 6                                                                                 | 33,5                                                                              | 170                                                                               | 60                                                                                | 28,0                                                                              | 22,4                                                                              | 00129200 | 00127201 | 00127202 | 00127203 |
| BSW 1.3/4                                                                         | 5                                                                                 | 39,0                                                                              | 187                                                                               | 67                                                                                | 31,5                                                                              | 25,0                                                                              | 00129220 | 00127221 | 00127222 | 00127223 |
| BSW 2                                                                             | 4,5                                                                               | 44,5                                                                              | 200                                                                               | 70                                                                                | 35,5                                                                              | 28,0                                                                              | 00129240 | 00127241 | 00127242 | 00127243 |



РУЧНОЙ МЕТЧИК DIN 2184-2 / ISO 529

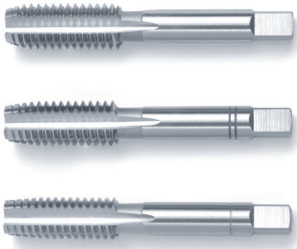
| РУЧНОЙ МЕТЧИК                                                                     | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ         |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | НормаDIN 2184-2 (~ DIN 352)    |
|                                                                                   | РезьбаUNC                      |
|                                                                                   | МатериалHSS-G                  |
|                                                                                   | Обр. МатериалСталь             |
|                                                                                   | Вид отверстияСквозное / глухое |
|                                                                                   | Направлениеправый              |
|                                                                                   | Класс точности2B               |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| UNC Нр. 1                                                                         | 64                                                                                | 1,5                                                                               | 36                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00165010 | 00164011 | 00164012 | 00164013 |
| UNC Нр. 2                                                                         | 56                                                                                | 1,8                                                                               | 36                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00165020 | 00164021 | 00164022 | 00164023 |
| UNC Нр. 3                                                                         | 48                                                                                | 2,1                                                                               | 40                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00165030 | 00164031 | 00164032 | 00164033 |
| UNC Нр. 4                                                                         | 40                                                                                | 2,3                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00165040 | 00164041 | 00164042 | 00164043 |
| UNC Нр. 5                                                                         | 40                                                                                | 2,6                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00165050 | 00164051 | 00164052 | 00164053 |
| UNC Нр. 6                                                                         | 32                                                                                | 2,9                                                                               | 45                                                                                | 12                                                                                | 4                                                                                 | 3                                                                                 | 00165060 | 00164061 | 00164062 | 00164063 |
| UNC Нр. 8                                                                         | 32                                                                                | 3,5                                                                               | 45                                                                                | 13                                                                                | 4,5                                                                               | 3,4                                                                               | 00165080 | 00164081 | 00164082 | 00164083 |
| UNC Нр. 10                                                                        | 24                                                                                | 3,9                                                                               | 50                                                                                | 16                                                                                | 6                                                                                 | 4,9                                                                               | 00165100 | 00164101 | 00164102 | 00164103 |
| UNC Нр. 12                                                                        | 24                                                                                | 4,5                                                                               | 56                                                                                | 17                                                                                | 6                                                                                 | 4,9                                                                               | 00165120 | 00164121 | 00164122 | 00164123 |
| UNC 1/4                                                                           | 20                                                                                | 5,2                                                                               | 56                                                                                | 19                                                                                | 6                                                                                 | 4,9                                                                               | 00165130 | 00164131 | 00164132 | 00164133 |
| UNC 5/16                                                                          | 18                                                                                | 6,6                                                                               | 63                                                                                | 22                                                                                | 6                                                                                 | 4,9                                                                               | 00165140 | 00164141 | 00164142 | 00164143 |
| UNC 3/8                                                                           | 16                                                                                | 8                                                                                 | 70                                                                                | 24                                                                                | 7                                                                                 | 5,5                                                                               | 00165150 | 00164151 | 00164152 | 00164153 |
| UNC 7/16                                                                          | 14                                                                                | 9,4                                                                               | 70                                                                                | 24                                                                                | 8                                                                                 | 6,2                                                                               | 00165160 | 00164161 | 00164162 | 00164163 |
| UNC 1/2                                                                           | 13                                                                                | 10,8                                                                              | 75                                                                                | 28                                                                                | 9                                                                                 | 7                                                                                 | 00165170 | 00164171 | 00164172 | 00164173 |
| UNC 9/16                                                                          | 12                                                                                | 12,3                                                                              | 80                                                                                | 30                                                                                | 11                                                                                | 9                                                                                 | 00165180 | 00164181 | 00164182 | 00164183 |
| UNC 5/8                                                                           | 11                                                                                | 13,5                                                                              | 80                                                                                | 32                                                                                | 12                                                                                | 9                                                                                 | 00165190 | 00164191 | 00164192 | 00164193 |
| UNC 3/4                                                                           | 10                                                                                | 16,5                                                                              | 95                                                                                | 34                                                                                | 14                                                                                | 11                                                                                | 00165210 | 00164211 | 00164212 | 00164213 |
| UNC 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 100                                                                               | 34                                                                                | 18                                                                                | 14,5                                                                              | 00165230 | 00164231 | 00164232 | 00164233 |
| UNC 1                                                                             | 8                                                                                 | 22,3                                                                              | 110                                                                               | 38                                                                                | 18                                                                                | 14,5                                                                              | 00165250 | 00164251 | 00164252 | 00164253 |
| UNC 1.1/8                                                                         | 7                                                                                 | 25                                                                                | 125                                                                               | 45                                                                                | 22                                                                                | 18                                                                                | 00165260 | 00164261 | 00164262 | 00164263 |
| UNC 1.1/4                                                                         | 7                                                                                 | 28,3                                                                              | 125                                                                               | 45                                                                                | 22                                                                                | 18                                                                                | 00165270 | 00164271 | 00164272 | 00164273 |
| UNC 1.3/8                                                                         | 6                                                                                 | 30,8                                                                              | 150                                                                               | 56                                                                                | 28                                                                                | 22                                                                                | 00165280 | 00164281 | 00164282 | 00164283 |
| UNC 1.1/2                                                                         | 6                                                                                 | 34                                                                                | 150                                                                               | 56                                                                                | 28                                                                                | 22                                                                                | 00165290 | 00164291 | 00164292 | 00164293 |
| UNC 1.5/8                                                                         | 5                                                                                 | 37,1                                                                              | 150                                                                               | 60                                                                                | 32                                                                                | 24                                                                                | 00165300 | 00164301 | 00164302 | 00164303 |
| UNC 1.3/4                                                                         | 5                                                                                 | 39,5                                                                              | 160                                                                               | 65                                                                                | 36                                                                                | 29                                                                                | 00165310 | 00164311 | 00164312 | 00164313 |
| UNC 1.7/8                                                                         | 4,5                                                                               | 42                                                                                | 180                                                                               | 70                                                                                | 36                                                                                | 29                                                                                | 00165320 | 00164321 | 00164322 | 00164323 |
| UNC 2                                                                             | 4,5                                                                               | 45                                                                                | 180                                                                               | 70                                                                                | 40                                                                                | 32                                                                                | 00165330 | 00164331 | 00164332 | 00164333 |
| UNC 2.1/4                                                                         | 4,5                                                                               | 51,5                                                                              | 200                                                                               | 75                                                                                | 45                                                                                | 35                                                                                | 00165340 | 00164341 | 00164342 | 00164343 |
| UNC 2.1/2                                                                         | 4                                                                                 | 57,2                                                                              | 220                                                                               | 80                                                                                | 50                                                                                | 39                                                                                | 00165350 | 00164351 | 00164352 | 00164353 |
| UNC 2.3/4                                                                         | 4                                                                                 | 63,25                                                                             | 240                                                                               | 80                                                                                | 50                                                                                | 39                                                                                | 00165360 | 00164361 | 00164362 | 00164363 |
| UNC 3                                                                             | 4                                                                                 | 69,85                                                                             | 260                                                                               | 85                                                                                | 50                                                                                | 39                                                                                | 00165370 | 00164371 | 00164372 | 00164373 |

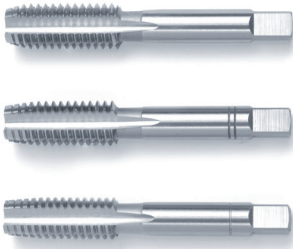
| РУЧНОЙ МЕТЧИК                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |          |                |                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------|----------|----------------|-------------------|
|  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Норма                  | ISO 529  | Обр. Материал  | Сталь             |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Резьба                 | UNC      | Вид отверстия  | Сквозное / глухое |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Материал               | HSS-G    | Направление    | правый            |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                        |          | Класс точности | 2B                |
|  |  |  |  |  |  |  | Набор                  | Нр. 1    | Нр. 2          | Нр. 3             |
| UNC Нр. 1                                                                         | 64                                                                                | 1,5                                                                               | 32                                                                                | 7                                                                                 | 2,5                                                                               | 2,1                                                                               | 00163010               | 00162011 | 00162012       | 00162013          |
| UNC Нр. 2                                                                         | 56                                                                                | 1,8                                                                               | 36                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00163020               | 00162021 | 00162022       | 00162023          |
| UNC Нр. 3                                                                         | 48                                                                                | 2,1                                                                               | 45                                                                                | 10                                                                                | 2,8                                                                               | 2,24                                                                              | 00163030               | 00162031 | 00162032       | 00162033          |
| UNC Нр. 4                                                                         | 40                                                                                | 2,3                                                                               | 48                                                                                | 15                                                                                | 3,15                                                                              | 2,5                                                                               | 00163040               | 00162041 | 00162042       | 00162043          |
| UNC Нр. 5                                                                         | 40                                                                                | 2,6                                                                               | 48                                                                                | 15                                                                                | 3,15                                                                              | 2,5                                                                               | 00163050               | 00162051 | 00162052       | 00162053          |
| UNC Нр. 6                                                                         | 32                                                                                | 2,9                                                                               | 50                                                                                | 17                                                                                | 3,55                                                                              | 2,8                                                                               | 00163060               | 00162061 | 00162062       | 00162063          |
| UNC Нр. 8                                                                         | 32                                                                                | 3,5                                                                               | 53                                                                                | 13                                                                                | 4,5                                                                               | 3,55                                                                              | 00163080               | 00162081 | 00162082       | 00162083          |
| UNC Нр. 10                                                                        | 24                                                                                | 3,9                                                                               | 58                                                                                | 16                                                                                | 5                                                                                 | 4                                                                                 | 00163100               | 00162101 | 00162102       | 00162103          |
| UNC Нр. 12                                                                        | 24                                                                                | 4,5                                                                               | 62                                                                                | 17                                                                                | 5,6                                                                               | 4,5                                                                               | 00163120               | 00162121 | 00162122       | 00162123          |
| UNC 1/4                                                                           | 20                                                                                | 5,2                                                                               | 66                                                                                | 19                                                                                | 6,3                                                                               | 5,0                                                                               | 00163130               | 00162131 | 00162132       | 00162133          |
| UNC 5/16                                                                          | 18                                                                                | 6,6                                                                               | 72                                                                                | 22                                                                                | 8,0                                                                               | 6,3                                                                               | 00163140               | 00162141 | 00162142       | 00162143          |
| UNC 3/8                                                                           | 16                                                                                | 8                                                                                 | 80                                                                                | 24                                                                                | 10,0                                                                              | 8,0                                                                               | 00163150               | 00162151 | 00162152       | 00162153          |
| UNC 7/16                                                                          | 14                                                                                | 9,4                                                                               | 85                                                                                | 25                                                                                | 8,0                                                                               | 6,3                                                                               | 00163160               | 00162161 | 00162162       | 00162163          |
| UNC 1/2                                                                           | 13                                                                                | 10,8                                                                              | 89                                                                                | 29                                                                                | 9,0                                                                               | 7,1                                                                               | 00163170               | 00162171 | 00162172       | 00162173          |
| UNC 9/16                                                                          | 12                                                                                | 12,3                                                                              | 95                                                                                | 30                                                                                | 11,2                                                                              | 9,0                                                                               | 00163180               | 00162181 | 00162182       | 00162183          |
| UNC 5/8                                                                           | 11                                                                                | 13,5                                                                              | 102                                                                               | 32                                                                                | 12,5                                                                              | 10,0                                                                              | 00163190               | 00162191 | 00162192       | 00162193          |
| UNC 3/4                                                                           | 10                                                                                | 16,5                                                                              | 112                                                                               | 37                                                                                | 14,0                                                                              | 11,2                                                                              | 00163210               | 00162211 | 00162212       | 00162213          |
| UNC 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 118                                                                               | 38                                                                                | 16,0                                                                              | 12,5                                                                              | 00163230               | 00162231 | 00162232       | 00162233          |
| UNC 1                                                                             | 8                                                                                 | 22,3                                                                              | 130                                                                               | 45                                                                                | 18,0                                                                              | 14,0                                                                              | 00163250               | 00162251 | 00162252       | 00162253          |
| UNC 1.1/8                                                                         | 7                                                                                 | 25                                                                                | 138                                                                               | 48                                                                                | 20                                                                                | 16                                                                                | 00163260               | 00162261 | 00162262       | 00162263          |
| UNC 1.1/4                                                                         | 7                                                                                 | 28,3                                                                              | 151                                                                               | 51                                                                                | 22,4                                                                              | 18                                                                                | 00163270               | 00162271 | 00162272       | 00162273          |
| UNC 1.1/2                                                                         | 6                                                                                 | 34                                                                                | 170                                                                               | 60                                                                                | 28                                                                                | 22,4                                                                              | 00163290               | 00162291 | 00162292       | 00162293          |
| UNC 1.3/4                                                                         | 5                                                                                 | 39,5                                                                              | 187                                                                               | 67                                                                                | 31,5                                                                              | 25                                                                                | 00163310               | 00162311 | 00162312       | 00162313          |
| UNC 2                                                                             | 4,5                                                                               | 45                                                                                | 200                                                                               | 70                                                                                | 35,5                                                                              | 28                                                                                | 00163330               | 00162331 | 00162332       | 00162333          |



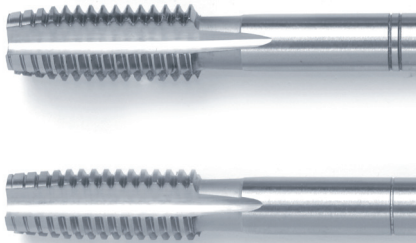
РУЧНОЙ МЕТЧИК DIN 2184-2 / ISO 529

| РУЧНОЙ МЕТЧИК LH                                                                  | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ         |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | НормаDIN 2184-2 (~ DIN 352)    |
|                                                                                   | РезьбаUNC                      |
|                                                                                   | МатериалHSS-G                  |
|                                                                                   | Обр. МатериалСталь             |
|                                                                                   | Вид отверстияСквозное / глухое |
|                                                                                   | Направлениелевый               |
|                                                                                   | Класс точности2B               |

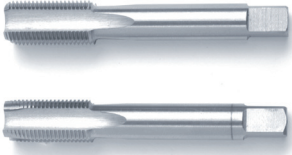
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| UNC Нр. 1                                                                         | 64                                                                                | 1,5                                                                               | 36                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00811010 | 00810011 | 00810012 | 00810013 |
| UNC Нр. 2                                                                         | 56                                                                                | 1,8                                                                               | 36                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00811020 | 00810021 | 00810022 | 00810023 |
| UNC Нр. 3                                                                         | 48                                                                                | 2,1                                                                               | 40                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00811030 | 00810031 | 00810032 | 00810033 |
| UNC Нр. 4                                                                         | 40                                                                                | 2,3                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00811040 | 00810041 | 00810042 | 00810043 |
| UNC Нр. 5                                                                         | 40                                                                                | 2,6                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00811050 | 00810051 | 00810052 | 00810053 |
| UNC Нр. 6                                                                         | 32                                                                                | 2,9                                                                               | 45                                                                                | 12                                                                                | 4                                                                                 | 3                                                                                 | 00811060 | 00810061 | 00810062 | 00810063 |
| UNC Нр. 8                                                                         | 32                                                                                | 3,5                                                                               | 45                                                                                | 13                                                                                | 4,5                                                                               | 3,4                                                                               | 00811080 | 00810081 | 00810082 | 00810083 |
| UNC Нр. 10                                                                        | 24                                                                                | 3,9                                                                               | 50                                                                                | 16                                                                                | 6                                                                                 | 4,9                                                                               | 00811100 | 00810101 | 00810102 | 00810103 |
| UNC Нр. 12                                                                        | 24                                                                                | 4,5                                                                               | 56                                                                                | 17                                                                                | 6                                                                                 | 4,9                                                                               | 00811120 | 00810121 | 00810122 | 00810123 |
| UNC 1/4                                                                           | 20                                                                                | 5,2                                                                               | 56                                                                                | 19                                                                                | 6                                                                                 | 4,9                                                                               | 00811130 | 00810131 | 00810132 | 00810133 |
| UNC 5/16                                                                          | 18                                                                                | 6,6                                                                               | 63                                                                                | 22                                                                                | 6                                                                                 | 4,9                                                                               | 00811140 | 00810141 | 00810142 | 00810143 |
| UNC 3/8                                                                           | 16                                                                                | 8                                                                                 | 70                                                                                | 24                                                                                | 7                                                                                 | 5,5                                                                               | 00811150 | 00810151 | 00810152 | 00810153 |
| UNC 7/16                                                                          | 14                                                                                | 9,4                                                                               | 70                                                                                | 24                                                                                | 8                                                                                 | 6,2                                                                               | 00811160 | 00810161 | 00810162 | 00810163 |
| UNC 1/2                                                                           | 13                                                                                | 10,8                                                                              | 75                                                                                | 28                                                                                | 9                                                                                 | 7                                                                                 | 00811170 | 00810171 | 00810172 | 00810173 |
| UNC 9/16                                                                          | 12                                                                                | 12,3                                                                              | 80                                                                                | 30                                                                                | 11                                                                                | 9                                                                                 | 00811180 | 00810181 | 00810182 | 00810183 |
| UNC 5/8                                                                           | 11                                                                                | 13,5                                                                              | 80                                                                                | 32                                                                                | 12                                                                                | 9                                                                                 | 00811190 | 00810191 | 00810192 | 00810193 |
| UNC 3/4                                                                           | 10                                                                                | 16,5                                                                              | 95                                                                                | 34                                                                                | 14                                                                                | 11                                                                                | 00811210 | 00810211 | 00810212 | 00810213 |
| UNC 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 100                                                                               | 34                                                                                | 18                                                                                | 14,5                                                                              | 00811230 | 00810231 | 00810232 | 00810233 |
| UNC 1                                                                             | 8                                                                                 | 22,3                                                                              | 110                                                                               | 38                                                                                | 18                                                                                | 14,5                                                                              | 00811250 | 00810251 | 00810252 | 00810253 |

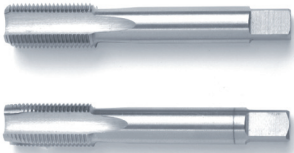
| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                |                   |  |
|-----------------------------------------------------------------------------------|----------|------------------------|----------------|-------------------|--|
|  | Норма    | ISO 529                | Обр. Материал  | Сталь             |  |
|                                                                                   | Резьба   | UNC                    | Вид отверстия  | Сквозное / глухое |  |
|                                                                                   | Материал | HSS-G                  | Направление    | левый             |  |
|                                                                                   |          |                        | Класс точности | 2B                |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| UNC Нр. 1                                                                         | 64                                                                                | 1,5                                                                               | 32                                                                                | 7                                                                                 | 2,5                                                                               | 2,1                                                                               | 00169010 | 00168011 | 00168012 | 00168013 |
| UNC Нр. 2                                                                         | 56                                                                                | 1,8                                                                               | 36                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00169020 | 00168021 | 00168022 | 00168023 |
| UNC Нр. 3                                                                         | 48                                                                                | 2,1                                                                               | 45                                                                                | 10                                                                                | 2,8                                                                               | 2,24                                                                              | 00169030 | 00168031 | 00168032 | 00168033 |
| UNC Нр. 4                                                                         | 40                                                                                | 2,3                                                                               | 48                                                                                | 15                                                                                | 3,15                                                                              | 2,5                                                                               | 00169040 | 00168041 | 00168042 | 00168043 |
| UNC Нр. 5                                                                         | 40                                                                                | 2,6                                                                               | 48                                                                                | 15                                                                                | 3,15                                                                              | 2,5                                                                               | 00169050 | 00168051 | 00168052 | 00168053 |
| UNC Нр. 6                                                                         | 32                                                                                | 2,9                                                                               | 50                                                                                | 17                                                                                | 3,55                                                                              | 2,8                                                                               | 00169060 | 00168061 | 00168062 | 00168063 |
| UNC Нр. 8                                                                         | 32                                                                                | 3,5                                                                               | 53                                                                                | 13                                                                                | 4,5                                                                               | 3,55                                                                              | 00169080 | 00168081 | 00168082 | 00168083 |
| UNC Нр. 10                                                                        | 24                                                                                | 3,9                                                                               | 58                                                                                | 16                                                                                | 5                                                                                 | 4                                                                                 | 00169100 | 00168101 | 00168102 | 00168103 |
| UNC Нр. 12                                                                        | 24                                                                                | 4,5                                                                               | 62                                                                                | 17                                                                                | 5,6                                                                               | 4,5                                                                               | 00169120 | 00168121 | 00168122 | 00168123 |
| UNC 1/4                                                                           | 20                                                                                | 5,2                                                                               | 66                                                                                | 19                                                                                | 6,3                                                                               | 5,0                                                                               | 00169130 | 00168131 | 00168132 | 00168133 |
| UNC 5/16                                                                          | 18                                                                                | 6,6                                                                               | 72                                                                                | 22                                                                                | 8,0                                                                               | 6,3                                                                               | 00169140 | 00168141 | 00168142 | 00168143 |
| UNC 3/8                                                                           | 16                                                                                | 8                                                                                 | 80                                                                                | 24                                                                                | 10,0                                                                              | 8,0                                                                               | 00169150 | 00168151 | 00168152 | 00168153 |
| UNC 7/16                                                                          | 14                                                                                | 9,4                                                                               | 85                                                                                | 25                                                                                | 8,0                                                                               | 6,3                                                                               | 00169160 | 00168161 | 00168162 | 00168163 |
| UNC 1/2                                                                           | 13                                                                                | 10,8                                                                              | 89                                                                                | 29                                                                                | 9,0                                                                               | 7,1                                                                               | 00169170 | 00168171 | 00168172 | 00168173 |
| UNC 9/16                                                                          | 12                                                                                | 12,3                                                                              | 95                                                                                | 30                                                                                | 11,2                                                                              | 9,0                                                                               | 00169180 | 00168181 | 00168182 | 00168183 |
| UNC 5/8                                                                           | 11                                                                                | 13,5                                                                              | 102                                                                               | 32                                                                                | 12,5                                                                              | 10,0                                                                              | 00169190 | 00168191 | 00168192 | 00168193 |
| UNC 3/4                                                                           | 10                                                                                | 16,5                                                                              | 112                                                                               | 37                                                                                | 14,0                                                                              | 11,2                                                                              | 00169210 | 00168211 | 00168212 | 00168213 |
| UNC 7/8                                                                           | 9                                                                                 | 19,5                                                                              | 118                                                                               | 38                                                                                | 16,0                                                                              | 12,5                                                                              | 00169230 | 00168231 | 00168232 | 00168233 |
| UNC 1                                                                             | 8                                                                                 | 22,3                                                                              | 130                                                                               | 45                                                                                | 18,0                                                                              | 14,0                                                                              | 00169250 | 00168251 | 00168252 | 00168253 |



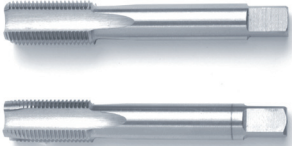
РУЧНОЙ МЕТЧИК DIN 2184-2 / ISO 529

| РУЧНОЙ МЕТЧИК                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ                                                            |                                                                                   |          |          |          |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
|  |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Норма                                                                             | DIN 2184-2 (~ DIN 352)                                                            |          |          |          |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Резьба                                                                            | UNF                                                                               |          |          |          |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Материал                                                                          | HSS-G                                                                             |          |          |          |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Обр. Материал                                                                     | Сталь                                                                             |          |          |          |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Вид отверстия                                                                     | Сквозное / глухое                                                                 |          |          |          |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Направление                                                                       | правый                                                                            |          |          |          |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Класс точности                                                                    | 2B                                                                                |          |          |          |
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
| UNF Нр. 0                                                                         | 80                                                                                | 1,25                                                                              | 32                                                                                | 8                                                                                 | 2,5                                                                               | 2,1                                                                               | 00175000 | 00174001 | 00174003 |
| UNF Нр. 1                                                                         | 72                                                                                | 1,55                                                                              | 36                                                                                | 8                                                                                 | 2,8                                                                               | 2,1                                                                               | 00175010 | 00174011 | 00174013 |
| UNF Нр. 2                                                                         | 64                                                                                | 1,85                                                                              | 36                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00175020 | 00174021 | 00174023 |
| UNF Нр. 3                                                                         | 56                                                                                | 2,1                                                                               | 40                                                                                | 9                                                                                 | 2,8                                                                               | 2,1                                                                               | 00175030 | 00174031 | 00174033 |
| UNF Нр. 4                                                                         | 48                                                                                | 2,4                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00175040 | 00174041 | 00174043 |
| UNF Нр. 5                                                                         | 44                                                                                | 2,7                                                                               | 40                                                                                | 11                                                                                | 3,5                                                                               | 2,7                                                                               | 00175050 | 00174051 | 00174053 |
| UNF Нр. 6                                                                         | 40                                                                                | 3,0                                                                               | 45                                                                                | 12                                                                                | 4,0                                                                               | 3,0                                                                               | 00175060 | 00174061 | 00174063 |
| UNF Нр. 8                                                                         | 36                                                                                | 3,5                                                                               | 45                                                                                | 13                                                                                | 4,5                                                                               | 3,4                                                                               | 00175080 | 00174081 | 00174083 |
| UNF Нр. 10                                                                        | 32                                                                                | 4,1                                                                               | 50                                                                                | 16                                                                                | 6,0                                                                               | 4,9                                                                               | 00175100 | 00174101 | 00174103 |
| UNF Нр. 12                                                                        | 28                                                                                | 4,65                                                                              | 56                                                                                | 17                                                                                | 6,0                                                                               | 4,9                                                                               | 00175120 | 00174121 | 00174123 |
| UNF 1/4                                                                           | 28                                                                                | 5,5                                                                               | 56                                                                                | 19                                                                                | 6,0                                                                               | 4,9                                                                               | 00175130 | 00174131 | 00174133 |
| UNF 5/16                                                                          | 24                                                                                | 6,9                                                                               | 63                                                                                | 22                                                                                | 6,0                                                                               | 4,9                                                                               | 00175140 | 00174141 | 00174143 |
| UNF 3/8                                                                           | 24                                                                                | 8,5                                                                               | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00175150 | 00174151 | 00174153 |
| UNF 7/16                                                                          | 20                                                                                | 9,9                                                                               | 70                                                                                | 24                                                                                | 8,0                                                                               | 6,2                                                                               | 00175160 | 00174161 | 00174163 |
| UNF 1/2                                                                           | 20                                                                                | 11,5                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00175170 | 00174171 | 00174173 |
| UNF 9/16                                                                          | 18                                                                                | 13,0                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00175180 | 00174181 | 00174183 |
| UNF 5/8                                                                           | 18                                                                                | 14,5                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00175190 | 00174191 | 00174193 |
| UNF 3/4                                                                           | 16                                                                                | 17,5                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00175210 | 00174211 | 00174213 |
| UNF 7/8                                                                           | 14                                                                                | 20,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00175230 | 00174231 | 00174233 |
| UNF 1 (14)                                                                        | 14                                                                                | 23,3                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00175250 | 00174251 | 00174253 |
| UNF 1 (12)                                                                        | 12                                                                                | 23,3                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00175260 | 00174261 | 00174263 |
| UNF 1.1/8                                                                         | 12                                                                                | 26,5                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00175270 | 00174271 | 00174273 |
| UNF 1.1/4                                                                         | 12                                                                                | 29,5                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00175280 | 00174281 | 00174283 |
| UNF 1.3/8                                                                         | 12                                                                                | 32,5                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00175290 | 00174291 | 00174293 |
| UNF 1.1/2                                                                         | 12                                                                                | 36,0                                                                              | 125                                                                               | 40                                                                                | 28,0                                                                              | 22,0                                                                              | 00175300 | 00174301 | 00174303 |

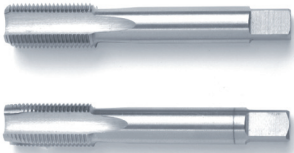
| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                |                   |  |
|-----------------------------------------------------------------------------------|----------|------------------------|----------------|-------------------|--|
|  | Норма    | ISO 529                | Обр. Материал  | Сталь             |  |
|                                                                                   | Резьба   | UNF                    | Вид отверстия  | Сквозное / глухое |  |
|                                                                                   | Материал | HSS-G                  | Направление    | правый            |  |
|                                                                                   |          |                        | Класс точности | 2B                |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| UNF Нр. 1                                                                         | 72                                                                                | 1,55                                                                              | 41                                                                                | 8                                                                                 | —                                                                                 | 2                                                                                 | 00173040 | 00172041 | 00172043 |
| UNF Нр. 2                                                                         | 64                                                                                | 1,85                                                                              | 44,5                                                                              | 9,5                                                                               | —                                                                                 | 2,24                                                                              | 00173050 | 00172051 | 00172053 |
| UNF Нр. 3                                                                         | 56                                                                                | 2,1                                                                               | 44,5                                                                              | 9,5                                                                               | —                                                                                 | 2,24                                                                              | 00173060 | 00172061 | 00172063 |
| UNF Нр. 4                                                                         | 48                                                                                | 2,4                                                                               | 48                                                                                | 11                                                                                | 2,12                                                                              | 2,5                                                                               | 00173040 | 00172041 | 00172043 |
| UNF Нр. 5                                                                         | 44                                                                                | 2,7                                                                               | 48                                                                                | 11                                                                                | 2,36                                                                              | 2,5                                                                               | 00173050 | 00172051 | 00172053 |
| UNF Нр. 6                                                                         | 40                                                                                | 3                                                                                 | 50                                                                                | 13                                                                                | 2,5                                                                               | 2,8                                                                               | 00173060 | 00172061 | 00172063 |
| UNF Нр. 8                                                                         | 36                                                                                | 3,5                                                                               | 53                                                                                | 13                                                                                | 3,15                                                                              | 3,55                                                                              | 00173080 | 00172081 | 00172083 |
| UNF Нр. 10                                                                        | 32                                                                                | 4,1                                                                               | 58                                                                                | 16                                                                                | 3,55                                                                              | 4                                                                                 | 00173100 | 00172101 | 00172103 |
| UNF Нр. 12                                                                        | 28                                                                                | 4,65                                                                              | 62                                                                                | 17                                                                                | 4,25                                                                              | 4,5                                                                               | 00173120 | 00172121 | 00172123 |
| UNF 1/4                                                                           | 28                                                                                | 5,5                                                                               | 66                                                                                | 19                                                                                | 6,3                                                                               | 5,0                                                                               | 00173130 | 00172131 | 00172133 |
| UNF 5/16                                                                          | 24                                                                                | 6,9                                                                               | 69                                                                                | 19                                                                                | 8,0                                                                               | 6,3                                                                               | 00173140 | 00172141 | 00172143 |
| UNF 3/8                                                                           | 24                                                                                | 8,5                                                                               | 76                                                                                | 20                                                                                | 10,0                                                                              | 8,0                                                                               | 00173150 | 00172151 | 00172153 |
| UNF 7/16                                                                          | 20                                                                                | 9,9                                                                               | 82                                                                                | 22                                                                                | 8,0                                                                               | 6,3                                                                               | 00173160 | 00172161 | 00172163 |
| UNF 1/2                                                                           | 20                                                                                | 11,5                                                                              | 84                                                                                | 24                                                                                | 9,0                                                                               | 7,1                                                                               | 00173170 | 00172171 | 00172173 |
| UNF 9/16                                                                          | 18                                                                                | 13,0                                                                              | 90                                                                                | 25                                                                                | 11,2                                                                              | 9,0                                                                               | 00173180 | 00172181 | 00172183 |
| UNF 5/8                                                                           | 18                                                                                | 14,5                                                                              | 95                                                                                | 25                                                                                | 12,5                                                                              | 10,0                                                                              | 00173190 | 00172191 | 00172193 |
| UNF 3/4                                                                           | 16                                                                                | 17,5                                                                              | 104                                                                               | 29                                                                                | 14,0                                                                              | 11,2                                                                              | 00173210 | 00172211 | 00172213 |
| UNF 7/8                                                                           | 14                                                                                | 20,5                                                                              | 113                                                                               | 33                                                                                | 16,0                                                                              | 12,5                                                                              | 00173230 | 00172231 | 00172233 |
| UNF 1 (14)                                                                        | 14                                                                                | 23,3                                                                              | 120                                                                               | 35                                                                                | 18,0                                                                              | 14,0                                                                              | 00173250 | 00172251 | 00172253 |
| UNF 1 (12)                                                                        | 12                                                                                | 23,3                                                                              | 120                                                                               | 35                                                                                | 18,0                                                                              | 14,0                                                                              | 00173260 | 00172261 | 00172263 |
| UNF 1.1/8                                                                         | 12                                                                                | 26,5                                                                              | 127                                                                               | 37                                                                                | 20,0                                                                              | 16,0                                                                              | 00173270 | 00172271 | 00172273 |
| UNF 1.1/4                                                                         | 12                                                                                | 29,5                                                                              | 137                                                                               | 37                                                                                | 22,4                                                                              | 18,0                                                                              | 00173280 | 00172281 | 00172283 |
| UNF 1.3/8                                                                         | 12                                                                                | 32,5                                                                              | 144                                                                               | 39                                                                                | 25,0                                                                              | 20,0                                                                              | 00173290 | 00172291 | 00172293 |
| UNF 1.1/2                                                                         | 12                                                                                | 36,0                                                                              | 149                                                                               | 39                                                                                | 28,0                                                                              | 22,4                                                                              | 00173300 | 00172301 | 00172303 |

РУЧНОЙ МЕТЧИК DIN 2184-2 / ISO 529

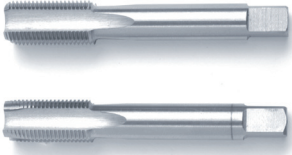
| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                |                   |  |
|-----------------------------------------------------------------------------------|----------|------------------------|----------------|-------------------|--|
|  | Норма    | DIN 2184-2             | Обр. Материал  | Сталь             |  |
|                                                                                   | Резьба   | UNEF                   | Вид отверстия  | Сквозное / глухое |  |
|                                                                                   | Материал | HSS-G                  | Направление    | правый            |  |
|                                                                                   |          |                        | Класс точности | 2B                |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| UNEF Нр. 12                                                                       | 32                                                                                | 4,7                                                                               | 56                                                                                | 17                                                                                | 6                                                                                 | 4,9                                                                               | 00177010 | 00176011 | 00176013 |
| UNEF 1/4                                                                          | 32                                                                                | 5,55                                                                              | 56                                                                                | 14                                                                                | 6,0                                                                               | 4,9                                                                               | 00177020 | 00176021 | 00176023 |
| UNEF 5/16                                                                         | 32                                                                                | 7,15                                                                              | 56                                                                                | 18                                                                                | 6,0                                                                               | 4,9                                                                               | 00177030 | 00176031 | 00176033 |
| UNEF 3/8                                                                          | 32                                                                                | 8,75                                                                              | 63                                                                                | 20                                                                                | 7,0                                                                               | 5,5                                                                               | 00177040 | 00176041 | 00176043 |
| UNEF 7/16                                                                         | 28                                                                                | 10,2                                                                              | 63                                                                                | 20                                                                                | 8,0                                                                               | 6,2                                                                               | 00177050 | 00176051 | 00176053 |
| UNEF 1/2                                                                          | 28                                                                                | 11,8                                                                              | 70                                                                                | 22                                                                                | 9,0                                                                               | 7,0                                                                               | 00177060 | 00176061 | 00176063 |
| UNEF 9/16                                                                         | 24                                                                                | 13,2                                                                              | 70                                                                                | 22                                                                                | 11,0                                                                              | 9,0                                                                               | 00177070 | 00176071 | 00176073 |
| UNEF 5/8                                                                          | 24                                                                                | 14,8                                                                              | 70                                                                                | 22                                                                                | 12,0                                                                              | 9,0                                                                               | 00177080 | 00176081 | 00176083 |
| UNEF 11/16                                                                        | 24                                                                                | 16,4                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00177090 | 00176091 | 00176093 |
| UNEF 3/4                                                                          | 20                                                                                | 17,8                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00177100 | 00176101 | 00176103 |
| UNEF 13/16                                                                        | 20                                                                                | 19,4                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00177110 | 00176111 | 00176113 |
| UNEF 7/8                                                                          | 20                                                                                | 21                                                                                | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00177120 | 00176121 | 00176123 |
| UNEF 15/16                                                                        | 20                                                                                | 22,5                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00177130 | 00176131 | 00176133 |
| UNEF 1                                                                            | 20                                                                                | 24,1                                                                              | 90                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00177140 | 00176141 | 00176143 |
| UNEF 1.1/16                                                                       | 18                                                                                | 25,6                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00177150 | 00176151 | 00176153 |
| UNEF 1.1/8                                                                        | 18                                                                                | 27,2                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00177160 | 00176161 | 00176163 |
| UNEF 1.3/16                                                                       | 18                                                                                | 28,8                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00177170 | 00176171 | 00176173 |
| UNEF 1.1/4                                                                        | 18                                                                                | 30,3                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00177180 | 00176181 | 00176183 |
| UNEF 1.5/16                                                                       | 18                                                                                | 31,9                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00177190 | 00176191 | 00176193 |
| UNEF 1.3/8                                                                        | 18                                                                                | 33,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00177200 | 00176201 | 00176203 |
| UNEF 1.7/16                                                                       | 18                                                                                | 35,1                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00177210 | 00176211 | 00176213 |
| UNEF 1.1/2                                                                        | 18                                                                                | 36,7                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00177220 | 00176221 | 00176223 |
| UNEF 1.9/16                                                                       | 18                                                                                | 38,3                                                                              | 100                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00177230 | 00176231 | 00176233 |
| UNEF 1.5/8                                                                        | 18                                                                                | 39,9                                                                              | 100                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00177240 | 00176241 | 00176243 |
| UNEF 1.11/16                                                                      | 18                                                                                | 41,5                                                                              | 100                                                                               | 25                                                                                | 36,0                                                                              | 29,0                                                                              | 00177250 | 00176251 | 00176253 |

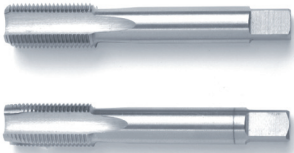
| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                |                   |  |
|-----------------------------------------------------------------------------------|----------|------------------------|----------------|-------------------|--|
|  | Норма    | ISO 529                | Обр. Материал  | Сталь             |  |
|                                                                                   | Резьба   | UNEF                   | Вид отверстия  | Сквозное / глухое |  |
|                                                                                   | Материал | HSS-G                  | Направление    | правый            |  |
|                                                                                   |          |                        | Класс точности | 2B                |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| UNEF Нр. 12                                                                       | 32                                                                                | 4,7                                                                               | 48                                                                                | 16                                                                                | 6,0                                                                               | 4,9                                                                               | 00179010 | 00178011 | 00178013 |
| UNEF 1/4                                                                          | 32                                                                                | 5,55                                                                              | 48                                                                                | 16                                                                                | 6,0                                                                               | 4,9                                                                               | 00179020 | 00178021 | 00178023 |
| UNEF 5/16                                                                         | 32                                                                                | 7,15                                                                              | 56                                                                                | 16                                                                                | 6,0                                                                               | 4,9                                                                               | 00179030 | 00178031 | 00178033 |
| UNEF 3/8                                                                          | 32                                                                                | 8,75                                                                              | 63                                                                                | 18                                                                                | 7,0                                                                               | 5,5                                                                               | 00179040 | 00178041 | 00178043 |
| UNEF 7/16                                                                         | 28                                                                                | 10,2                                                                              | 63                                                                                | 18                                                                                | 9,0                                                                               | 7,0                                                                               | 00179050 | 00178051 | 00178053 |
| UNEF 1/2                                                                          | 28                                                                                | 11,8                                                                              | 70                                                                                | 20                                                                                | 9,0                                                                               | 7,0                                                                               | 00179060 | 00178061 | 00178063 |
| UNEF 9/16                                                                         | 24                                                                                | 13,2                                                                              | 70                                                                                | 20                                                                                | 11,0                                                                              | 9,0                                                                               | 00179070 | 00178071 | 00178073 |
| UNEF 5/8                                                                          | 24                                                                                | 14,8                                                                              | 70                                                                                | 20                                                                                | 12,0                                                                              | 9,0                                                                               | 00179080 | 00178081 | 00178083 |
| UNEF 11/16                                                                        | 24                                                                                | 16,4                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00179090 | 00178091 | 00178093 |
| UNEF 3/4                                                                          | 20                                                                                | 17,8                                                                              | 80                                                                                | 22                                                                                | 14,0                                                                              | 11,0                                                                              | 00179100 | 00178101 | 00178103 |
| UNEF 13/16                                                                        | 20                                                                                | 19,4                                                                              | 80                                                                                | 22                                                                                | 16,0                                                                              | 12,0                                                                              | 00179110 | 00178111 | 00178113 |
| UNEF 7/8                                                                          | 20                                                                                | 21                                                                                | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00179120 | 00178121 | 00178123 |
| UNEF 15/16                                                                        | 20                                                                                | 22,5                                                                              | 80                                                                                | 22                                                                                | 18,0                                                                              | 14,5                                                                              | 00179130 | 00178131 | 00178133 |
| UNEF 1                                                                            | 20                                                                                | 24,1                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00179140 | 00178141 | 00178143 |
| UNEF 1.1/16                                                                       | 18                                                                                | 25,6                                                                              | 90                                                                                | 22                                                                                | 20,0                                                                              | 16,0                                                                              | 00179150 | 00178151 | 00178153 |
| UNEF 1.1/8                                                                        | 18                                                                                | 27,2                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00179160 | 00178161 | 00178163 |
| UNEF 1.3/16                                                                       | 18                                                                                | 28,8                                                                              | 90                                                                                | 22                                                                                | 22,0                                                                              | 18,0                                                                              | 00179170 | 00178171 | 00178173 |
| UNEF 1.1/4                                                                        | 18                                                                                | 30,3                                                                              | 90                                                                                | 22                                                                                | 25,0                                                                              | 20,0                                                                              | 00179180 | 00178181 | 00178183 |
| UNEF 1.5/16                                                                       | 18                                                                                | 31,9                                                                              | 90                                                                                | 22                                                                                | 25,0                                                                              | 20,0                                                                              | 00179190 | 00178191 | 00178193 |
| UNEF 1.3/8                                                                        | 18                                                                                | 33,5                                                                              | 100                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00179200 | 00178201 | 00178203 |
| UNEF 1.7/16                                                                       | 18                                                                                | 35,1                                                                              | 110                                                                               | 25                                                                                | 28,0                                                                              | 22,0                                                                              | 00179210 | 00178211 | 00178213 |
| UNEF 1.1/2                                                                        | 18                                                                                | 36,7                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00179220 | 00178221 | 00178223 |
| UNEF 1.9/16                                                                       | 18                                                                                | 38,3                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00179230 | 00178231 | 00178233 |
| UNEF 1.5/8                                                                        | 18                                                                                | 39,9                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00179240 | 00178241 | 00178243 |
| UNEF 1.11/16                                                                      | 18                                                                                | 41,5                                                                              | 110                                                                               | 25                                                                                | 32,0                                                                              | 24,0                                                                              | 00179250 | 00178251 | 00178253 |

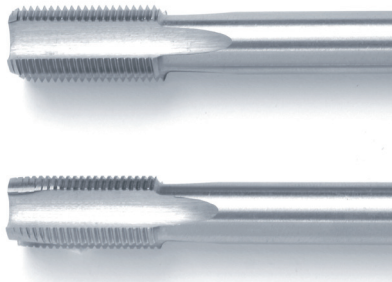
РУЧНОЙ МЕТЧИК DIN 2184-2

| РУЧНОЙ МЕТЧИК                                                                     | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ         |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | НормаDIN 2184-2 (~ DIN 352)    |
|                                                                                   | РезьбаUN / UNS                 |
|                                                                                   | МатериалHSS-G                  |
|                                                                                   | Обр. МатериалСталь             |
|                                                                                   | Вид отверстияСквозное / глухое |
|                                                                                   | Направлениеправый              |
|                                                                                   | Класс точности2B               |

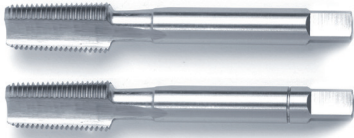
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| UNS 1/4                                                                           | 40                                                                                | 5,7                                                                               | 56                                                                                | 14                                                                                | 6                                                                                 | 4,9                                                                               | 00167010 | 00166011 | 00166013 |
| UNS 1/4                                                                           | 36                                                                                | 5,65                                                                              | 56                                                                                | 14                                                                                | 6                                                                                 | 4,9                                                                               | 00167020 | 00166021 | 00166023 |
| UNS 1/4                                                                           | 24                                                                                | 5,3                                                                               | 56                                                                                | 19                                                                                | 6                                                                                 | 4,9                                                                               | 00167030 | 00166031 | 00166033 |
| UNS 7/16                                                                          | 24                                                                                | 10,1                                                                              | 63                                                                                | 20                                                                                | 8                                                                                 | 6,2                                                                               | 00167040 | 00166041 | 00166043 |
| UNS 1/2                                                                           | 24                                                                                | 11,65                                                                             | 70                                                                                | 22                                                                                | 9                                                                                 | 7,0                                                                               | 00167050 | 00166051 | 00166053 |
| UN 9/16                                                                           | 20                                                                                | 13,0                                                                              | 70                                                                                | 22                                                                                | 11                                                                                | 9,0                                                                               | 00167060 | 00166061 | 00166063 |
| UN 11/16                                                                          | 20                                                                                | 16,2                                                                              | 80                                                                                | 22                                                                                | 14                                                                                | 11                                                                                | 00167070 | 00166071 | 00166073 |
| UN 11/16                                                                          | 16                                                                                | 15,9                                                                              | 80                                                                                | 22                                                                                | 14                                                                                | 11                                                                                | 00167080 | 00166081 | 00166083 |
| UNS 1                                                                             | 23,6                                                                              | 23,6                                                                              | 90                                                                                | 22                                                                                | 18                                                                                | 14,5                                                                              | 00167090 | 00166091 | 00166093 |
| UN 1.1/16                                                                         | 12                                                                                | 24,9                                                                              | 90                                                                                | 22                                                                                | 20                                                                                | 16                                                                                | 00167100 | 00166101 | 00166103 |
| UN 1.1/8                                                                          | 8                                                                                 | 25,4                                                                              | 125                                                                               | 45                                                                                | 22                                                                                | 18                                                                                | 00167110 | 00166111 | 00166113 |
| UN 1.3/16                                                                         | 12                                                                                | 28,1                                                                              | 90                                                                                | 22                                                                                | 22                                                                                | 18                                                                                | 00167120 | 00166121 | 00166123 |
| UN 1.1/4                                                                          | 8                                                                                 | 28,6                                                                              | 125                                                                               | 45                                                                                | 22                                                                                | 18                                                                                | 00167130 | 00166131 | 00166133 |
| UN 1.5/16                                                                         | 12                                                                                | 31,3                                                                              | 125                                                                               | 40                                                                                | 28                                                                                | 22                                                                                | 00167140 | 00166141 | 00166143 |
| UN 1.3/8                                                                          | 8                                                                                 | 31,75                                                                             | 125                                                                               | 40                                                                                | 28                                                                                | 22                                                                                | 00167150 | 00166151 | 00166153 |
| UN 1.1/2                                                                          | 8                                                                                 | 34,9                                                                              | 125                                                                               | 40                                                                                | 25                                                                                | 22                                                                                | 00167160 | 00166161 | 00166163 |
| UN 1.5/8                                                                          | 12                                                                                | 39,2                                                                              | 125                                                                               | 40                                                                                | 32                                                                                | 24                                                                                | 00167170 | 00166171 | 00166173 |
| UN 1.5/8                                                                          | 8                                                                                 | 38,1                                                                              | 125                                                                               | 40                                                                                | 32                                                                                | 24                                                                                | 00167180 | 00166181 | 00166183 |
| UN 1.3/4                                                                          | 12                                                                                | 42,4                                                                              | 125                                                                               | 40                                                                                | 36                                                                                | 29                                                                                | 00167190 | 00166191 | 00166193 |
| UN 1.3/4                                                                          | 8                                                                                 | 41,3                                                                              | 125                                                                               | 40                                                                                | 36                                                                                | 29                                                                                | 00167200 | 00166201 | 00166203 |
| UN 1.7/8                                                                          | 12                                                                                | 45,5                                                                              | 140                                                                               | 40                                                                                | 36                                                                                | 29                                                                                | 00167210 | 00166211 | 00166213 |
| UN 1.7/8                                                                          | 8                                                                                 | 44,5                                                                              | 140                                                                               | 40                                                                                | 36                                                                                | 29                                                                                | 00167220 | 00166221 | 00166223 |
| UN 2                                                                              | 12                                                                                | 48,7                                                                              | 140                                                                               | 40                                                                                | 40                                                                                | 32                                                                                | 00167230 | 00166231 | 00166233 |
| UN 2                                                                              | 8                                                                                 | 47,7                                                                              | 140                                                                               | 40                                                                                | 40                                                                                | 32                                                                                | 00167240 | 00166241 | 00166243 |
| UN 2.1/4                                                                          | 8                                                                                 | 54,0                                                                              | 160                                                                               | 40                                                                                | 45                                                                                | 35                                                                                | 00167250 | 00166251 | 00166253 |
| UN 2.1/2                                                                          | 8                                                                                 | 60,3                                                                              | 180                                                                               | 56                                                                                | 50                                                                                | 39                                                                                | 00167260 | 00166261 | 00166263 |
| UN 2.3/4                                                                          | 8                                                                                 | 66,7                                                                              | 200                                                                               | 56                                                                                | 50                                                                                | 39                                                                                | 00167270 | 00166271 | 00166273 |
| UN 3                                                                              | 8                                                                                 | 73,0                                                                              | 220                                                                               | 60                                                                                | 50                                                                                | 39                                                                                | 00167280 | 00166281 | 00166283 |

| РУЧНОЙ МЕТЧИК                                                                     | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ         |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | НормаDIN 2184-2 (~ DIN40430)   |
|                                                                                   | РезьбаPG                       |
|                                                                                   | МатериалHSS-G                  |
|                                                                                   | Обр. МатериалСталь             |
|                                                                                   | Вид отверстияСквозное / глухое |
|                                                                                   | Направлениеправый              |
|                                                                                   | Класс точности2B               |

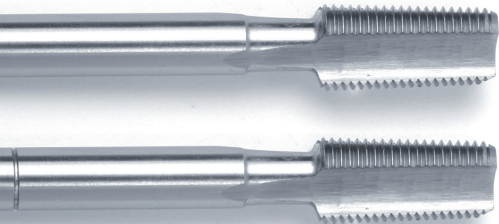
|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| Pg 7                                                                              | 20                                                                                | 11,4                                                                              | 70                                                                                | 22                                                                                | 9                                                                                 | 7                                                                                 | 00191010 | 00190011 | 00190013 |
| Pg 9                                                                              | 18                                                                                | 14,0                                                                              | 70                                                                                | 22                                                                                | 12                                                                                | 9                                                                                 | 00191020 | 00190021 | 00190023 |
| Pg 11                                                                             | 18                                                                                | 17,3                                                                              | 80                                                                                | 22                                                                                | 14                                                                                | 11                                                                                | 00191030 | 00190031 | 00190033 |
| Pg 13,5                                                                           | 18                                                                                | 19,0                                                                              | 80                                                                                | 22                                                                                | 16                                                                                | 12                                                                                | 00191040 | 00190041 | 00190043 |
| Pg 16                                                                             | 18                                                                                | 21,3                                                                              | 80                                                                                | 22                                                                                | 18                                                                                | 14,5                                                                              | 00191050 | 00190051 | 00190053 |
| Pg 21                                                                             | 16                                                                                | 27,0                                                                              | 90                                                                                | 22                                                                                | 22                                                                                | 18                                                                                | 00191060 | 00190061 | 00190063 |
| Pg 29                                                                             | 16                                                                                | 35,5                                                                              | 100                                                                               | 25                                                                                | 28                                                                                | 22                                                                                | 00191070 | 00190071 | 00190073 |
| Pg 36                                                                             | 16                                                                                | 45,5                                                                              | 140                                                                               | 40                                                                                | 36                                                                                | 29                                                                                | 00191080 | 00190081 | 00190083 |
| Pg 42                                                                             | 16                                                                                | 52,5                                                                              | 140                                                                               | 40                                                                                | 40                                                                                | 32                                                                                | 00191090 | 00190091 | 00190093 |
| Pg 48                                                                             | 16                                                                                | 58,0                                                                              | 160                                                                               | 40                                                                                | 45                                                                                | 35                                                                                | 00191100 | 00190101 | 00190103 |



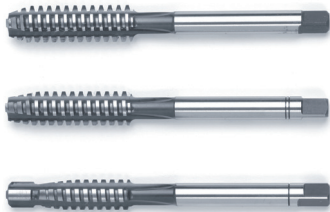


| РУЧНОЙ МЕТЧИК                                                                     | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |            |               |                   |
|-----------------------------------------------------------------------------------|------------------------|------------|---------------|-------------------|
|  | Норма                  | DIN 2184-2 | Обр. Материал | Сталь             |
|                                                                                   | Резьба                 | NPT        | Вид отверстия | Сквозное / глухое |
|                                                                                   | Материал               | HSS-G      | Направление   | правый            |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|
| NPT 1/16                                                                          | 27                                                                                | 6,25                                                                              | 55                                                                                | 13                                                                                | 7,0                                                                               | 5,5                                                                               | 00181010 | 00180011 | 00180013 |
| NPT 1/8                                                                           | 27                                                                                | 8,5                                                                               | 63                                                                                | 15                                                                                | 7,0                                                                               | 5,5                                                                               | 00181020 | 00180021 | 00180023 |
| NPT 1/4                                                                           | 18                                                                                | 11,1                                                                              | 63                                                                                | 21                                                                                | 11,0                                                                              | 9,0                                                                               | 00181030 | 00180031 | 00180033 |
| NPT 3/8                                                                           | 18                                                                                | 14,7                                                                              | 70                                                                                | 21                                                                                | 12,0                                                                              | 9,0                                                                               | 00181040 | 00180041 | 00180043 |
| NPT 1/2                                                                           | 14                                                                                | 18,0                                                                              | 80                                                                                | 27                                                                                | 16,0                                                                              | 12,0                                                                              | 00181050 | 00180051 | 00180053 |
| NPT 3/4                                                                           | 14                                                                                | 23,3                                                                              | 100                                                                               | 27                                                                                | 20,0                                                                              | 16,0                                                                              | 00181060 | 00180061 | 00180063 |
| NPT 1                                                                             | 11,5                                                                              | 29,3                                                                              | 110                                                                               | 32                                                                                | 25,0                                                                              | 20,0                                                                              | 00181070 | 00180071 | 00180073 |
| NPT 1.1/4                                                                         | 11,5                                                                              | 38,0                                                                              | 125                                                                               | 33                                                                                | 32,0                                                                              | 24,0                                                                              | 00181080 | 00180081 | 00180083 |
| NPT 1.1/2                                                                         | 11,5                                                                              | 44,3                                                                              | 140                                                                               | 33                                                                                | 36,0                                                                              | 29,0                                                                              | 00181090 | 00180091 | 00180093 |
| NPT 2                                                                             | 11,5                                                                              | 56,3                                                                              | 160                                                                               | 33                                                                                | 36,0                                                                              | 29,0                                                                              | 00181100 | 00180101 | 00180103 |
| NPT 2.1/2                                                                         | 8                                                                                 | 66,5                                                                              | 180                                                                               | 75                                                                                | 45,0                                                                              | 35,0                                                                              | 00181110 | 00180111 | 00180113 |
| NPT 3                                                                             | 8                                                                                 | 82,5                                                                              | 200                                                                               | 75                                                                                | 50,0                                                                              | 39,0                                                                              | 00181120 | 00180121 | 00180123 |
| NPT 3.1/2                                                                         | 8                                                                                 | 95                                                                                | 220                                                                               | 75                                                                                | 63,0                                                                              | 49,0                                                                              | 00181130 | 00180131 | 00180133 |
| NPT 4                                                                             | 8                                                                                 | 107,7                                                                             | 240                                                                               | 75                                                                                | 70,0                                                                              | 55,0                                                                              | 00181140 | 00180141 | 00180143 |



РУЧНОЙ МЕТЧИК



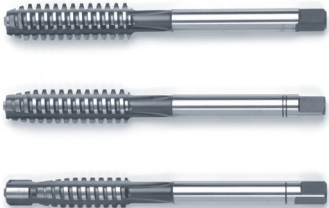
ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

|          |                    |                |              |
|----------|--------------------|----------------|--------------|
| Норма    | Заводской стандарт | Обр. Материал  | Сталь        |
| Резьба   | Tr                 | Вид отверстия  | Глухое < 3×d |
| Материал | HSS-G              | Направление    | правый       |
|          |                    | Класс точности | ISO3 / 7H    |

|          |   |      |     |     |      |      | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|----------|---|------|-----|-----|------|------|----------|----------|----------|----------|
| Tr 10×2* | 2 | 8,0  | 90  | 33  | 7,0  | 5,5  | 00193010 | 00192011 | —        | 00192013 |
| Tr 10×3  | 3 | 7,0  | 100 | 40  | 7,0  | 5,5  | 00193020 | 00192021 | 00192022 | 00192023 |
| Tr 12×2* | 2 | 10,0 | 110 | 35  | 8,0  | 6,2  | 00193030 | 00192031 | —        | 00192033 |
| Tr 12×3  | 3 | 9,0  | 110 | 42  | 8,0  | 6,2  | 00193040 | 00192041 | 00192042 | 00192043 |
| Tr 14×2* | 2 | 12,0 | 120 | 36  | 10,0 | 8,0  | 00193050 | 00192051 | —        | 00192053 |
| Tr 14×3  | 3 | 11,0 | 130 | 43  | 10,0 | 8,0  | 00193060 | 00192061 | 00192062 | 00192063 |
| Tr 14×4  | 4 | 10,0 | 130 | 54  | 10,0 | 8,0  | 00193070 | 00192071 | 00192072 | 00192073 |
| Tr 16×2* | 2 | 14,0 | 125 | 38  | 11,0 | 9,0  | 00193080 | 00192081 | —        | 00192083 |
| Tr 16×4  | 4 | 12,0 | 140 | 56  | 11,0 | 9,0  | 00193090 | 00192091 | 00192092 | 00192093 |
| Tr 18×2* | 2 | 16,0 | 135 | 40  | 12,0 | 9,0  | 00193100 | 00192101 | —        | 00192103 |
| Tr 18×4  | 4 | 14,0 | 150 | 58  | 12,0 | 9,0  | 00193110 | 00192111 | 00192112 | 00192113 |
| Tr 20×2* | 2 | 18,0 | 145 | 42  | 14,0 | 11,0 | 00193120 | 00192121 | —        | 00192123 |
| Tr 20×4  | 4 | 16,0 | 160 | 60  | 14,0 | 11,0 | 00193130 | 00192131 | 00192132 | 00192133 |
| Tr 22×5  | 5 | 17,0 | 175 | 72  | 16,0 | 12,0 | 00193140 | 00192141 | 00192142 | 00192143 |
| Tr 24×3* | 3 | 21,0 | 170 | 52  | 18,0 | 14,5 | 00193150 | 00192151 | —        | 00192153 |
| Tr 24×5  | 5 | 19,0 | 190 | 74  | 18,0 | 14,5 | 00193160 | 00192161 | 00192162 | 00192163 |
| Tr 26×5  | 5 | 21,0 | 210 | 76  | 20,0 | 16,0 | 00193170 | 00192171 | 00192172 | 00192173 |
| Tr 28×5  | 5 | 23,0 | 220 | 78  | 22,0 | 18,0 | 00193180 | 00192181 | 00192182 | 00192183 |
| Tr 30×3* | 3 | 27,0 | 210 | 57  | 22,0 | 18,0 | 00193190 | 00192191 | —        | 00192193 |
| Tr 30×6  | 6 | 24,0 | 240 | 90  | 22,0 | 18,0 | 00193200 | 00192201 | 00192202 | 00192203 |
| Tr 32×6  | 6 | 26,0 | 255 | 92  | 25,0 | 20,0 | 00193210 | 00192211 | 00192212 | 00192213 |
| Tr 36×3* | 3 | 33,0 | 240 | 68  | 28,0 | 22,0 | 00193220 | 00192221 | —        | 00192223 |
| Tr 36×6  | 6 | 30,0 | 280 | 96  | 28,0 | 22,0 | 00193230 | 00192231 | 00192232 | 00192233 |
| Tr 40×7  | 7 | 33,0 | 310 | 107 | 32,0 | 24,0 | 00193240 | 00192241 | 00192242 | 00192243 |

\* Набор 2-шт.

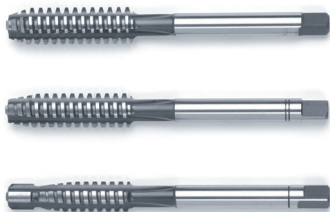
РУЧНОЙ МЕТЧИК ЗАВОДСКОЙ СТАНДАРТ

| РУЧНОЙ МЕТЧИК                                                                     |          | ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ |                |              |  |
|-----------------------------------------------------------------------------------|----------|------------------------|----------------|--------------|--|
|  | Норма    | Заводской стандарт     | Обр. Материал  | Сталь        |  |
|                                                                                   | Резьба   | Tr                     | Вид отверстия  | Глухое < 3×d |  |
|                                                                                   | Материал | HSSE-G                 | Направление    | правый       |  |
|                                                                                   |          |                        | Класс точности | ISO3 / 7H    |  |

|  |  |  |  |  |  |  | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|----------|----------|----------|
| Tr 10×2*                                                                          | 2                                                                                 | 8,0                                                                               | 90                                                                                | 33                                                                                | 7,0                                                                               | 5,5                                                                               | 00183010 | 00182011 | —        | 00182013 |
| Tr 10×3                                                                           | 3                                                                                 | 7,0                                                                               | 100                                                                               | 40                                                                                | 7,0                                                                               | 5,5                                                                               | 00183020 | 00182021 | 00182022 | 00182023 |
| Tr 12×2*                                                                          | 2                                                                                 | 10,0                                                                              | 110                                                                               | 35                                                                                | 8,0                                                                               | 6,2                                                                               | 00183030 | 00182031 | —        | 00182033 |
| Tr 12×3                                                                           | 3                                                                                 | 9,0                                                                               | 110                                                                               | 42                                                                                | 8,0                                                                               | 6,2                                                                               | 00183040 | 00182041 | 00182042 | 00182043 |
| Tr 14×2*                                                                          | 2                                                                                 | 12,0                                                                              | 120                                                                               | 36                                                                                | 10,0                                                                              | 8,0                                                                               | 00183050 | 00182051 | —        | 00182053 |
| Tr 14×3                                                                           | 3                                                                                 | 11,0                                                                              | 130                                                                               | 43                                                                                | 10,0                                                                              | 8,0                                                                               | 00183060 | 00182061 | 00182062 | 00182063 |
| Tr 14×4                                                                           | 4                                                                                 | 10,0                                                                              | 130                                                                               | 54                                                                                | 10,0                                                                              | 8,0                                                                               | 00183070 | 00182071 | 00182072 | 00182073 |
| Tr 16×2*                                                                          | 2                                                                                 | 14,0                                                                              | 125                                                                               | 38                                                                                | 11,0                                                                              | 9,0                                                                               | 00183080 | 00182081 | —        | 00182083 |
| Tr 16×4                                                                           | 4                                                                                 | 12,0                                                                              | 140                                                                               | 56                                                                                | 11,0                                                                              | 9,0                                                                               | 00183090 | 00182091 | 00182092 | 00182093 |
| Tr 18×2*                                                                          | 2                                                                                 | 16,0                                                                              | 135                                                                               | 40                                                                                | 12,0                                                                              | 9,0                                                                               | 00183100 | 00182101 | —        | 00182103 |
| Tr 18×4                                                                           | 4                                                                                 | 14,0                                                                              | 150                                                                               | 58                                                                                | 12,0                                                                              | 9,0                                                                               | 00183110 | 00182111 | 00182112 | 00182113 |
| Tr 20×2*                                                                          | 2                                                                                 | 18,0                                                                              | 145                                                                               | 42                                                                                | 14,0                                                                              | 11,0                                                                              | 00183120 | 00182121 | —        | 00182123 |
| Tr 20×4                                                                           | 4                                                                                 | 16,0                                                                              | 160                                                                               | 60                                                                                | 14,0                                                                              | 11,0                                                                              | 00183130 | 00182131 | 00182132 | 00182133 |
| Tr 22×5                                                                           | 5                                                                                 | 17,0                                                                              | 175                                                                               | 72                                                                                | 16,0                                                                              | 12,0                                                                              | 00183140 | 00182141 | 00182142 | 00182143 |
| Tr 24×3*                                                                          | 3                                                                                 | 21,0                                                                              | 170                                                                               | 52                                                                                | 18,0                                                                              | 14,5                                                                              | 00183150 | 00182151 | —        | 00182153 |
| Tr 24×5                                                                           | 5                                                                                 | 19,0                                                                              | 190                                                                               | 74                                                                                | 18,0                                                                              | 14,5                                                                              | 00183160 | 00182161 | 00182162 | 00182163 |
| Tr 26×5                                                                           | 5                                                                                 | 21,0                                                                              | 210                                                                               | 76                                                                                | 20,0                                                                              | 16,0                                                                              | 00183170 | 00182171 | 00182172 | 00182173 |
| Tr 28×5                                                                           | 5                                                                                 | 23,0                                                                              | 220                                                                               | 78                                                                                | 22,0                                                                              | 18,0                                                                              | 00183180 | 00182181 | 00182182 | 00182183 |
| Tr 30×3*                                                                          | 3                                                                                 | 27,0                                                                              | 210                                                                               | 57                                                                                | 22,0                                                                              | 18,0                                                                              | 00183190 | 00182191 | —        | 00182193 |
| Tr 30×6                                                                           | 6                                                                                 | 24,0                                                                              | 240                                                                               | 90                                                                                | 22,0                                                                              | 18,0                                                                              | 00183200 | 00182201 | 00182202 | 00182203 |
| Tr 32×6                                                                           | 6                                                                                 | 26,0                                                                              | 255                                                                               | 92                                                                                | 25,0                                                                              | 20,0                                                                              | 00183210 | 00182211 | 00182212 | 00182213 |
| Tr 36×3*                                                                          | 3                                                                                 | 33,0                                                                              | 240                                                                               | 68                                                                                | 28,0                                                                              | 22,0                                                                              | 00183220 | 00182221 | —        | 00182223 |
| Tr 36×6                                                                           | 6                                                                                 | 30,0                                                                              | 280                                                                               | 96                                                                                | 28,0                                                                              | 22,0                                                                              | 00183230 | 00182231 | 00182232 | 00182233 |
| Tr 40×7                                                                           | 7                                                                                 | 33,0                                                                              | 310                                                                               | 107                                                                               | 32,0                                                                              | 24,0                                                                              | 00183240 | 00182241 | 00182242 | 00182243 |

\* Набор 2-шт.

РУЧНОЙ МЕТЧИК



ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

|          |                    |                |              |
|----------|--------------------|----------------|--------------|
| Норма    | Заводской стандарт | Обр. Материал  | Сталь        |
| Резьба   | Tr                 | Вид отверстия  | Глухое < 3×d |
| Материал | HSSE-G             | Направление    | левый        |
|          |                    | Класс точности | ISO3 / 7H    |

|          |   |      |     |     |      |      | Набор    | Нр. 1    | Нр. 2    | Нр. 3    |
|----------|---|------|-----|-----|------|------|----------|----------|----------|----------|
| Tr 10×2* | 2 | 8,0  | 90  | 33  | 7,0  | 5,5  | 00189010 | 00188011 | —        | 00188013 |
| Tr 10×3  | 3 | 7,0  | 100 | 40  | 7,0  | 5,5  | 00189020 | 00188021 | 00188022 | 00188023 |
| Tr 12×2* | 2 | 10,  | 110 | 35  | 8,0  | 6,2  | 00189030 | 00188031 | —        | 00188033 |
| Tr 12×3  | 3 | 9,0  | 110 | 42  | 8,0  | 6,2  | 00189040 | 00188041 | 00188042 | 00188043 |
| Tr 14×2* | 2 | 12,0 | 120 | 36  | 10,0 | 8,0  | 00189050 | 00188051 | —        | 00188053 |
| Tr 14×3  | 3 | 11,0 | 130 | 43  | 10,0 | 8,0  | 00189060 | 00188061 | 00188062 | 00188063 |
| Tr 14×4  | 4 | 10,0 | 130 | 54  | 10,0 | 8,0  | 00189070 | 00188071 | 00188072 | 00188073 |
| Tr 16×2* | 2 | 14,0 | 125 | 38  | 11,0 | 9,0  | 00189080 | 00188081 | —        | 00188083 |
| Tr 16×4  | 4 | 12,0 | 140 | 56  | 11,0 | 9,0  | 00189090 | 00188091 | 00188092 | 00188093 |
| Tr 18×2* | 2 | 16,0 | 135 | 40  | 12,0 | 9,0  | 00189100 | 00188101 | —        | 00188103 |
| Tr 18×4  | 4 | 14,0 | 150 | 58  | 12,0 | 9,0  | 00189110 | 00188111 | 00188112 | 00188113 |
| Tr 20×2* | 2 | 18,0 | 145 | 42  | 14,0 | 11,0 | 00189120 | 00188121 | —        | 00188123 |
| Tr 20×4  | 4 | 16,0 | 160 | 60  | 14,0 | 11,0 | 00189130 | 00188131 | 00188132 | 00188133 |
| Tr 22×5  | 5 | 17,0 | 175 | 72  | 16,0 | 12,0 | 00189140 | 00188141 | 00188142 | 00188143 |
| Tr 24×3* | 3 | 21,0 | 170 | 52  | 18,0 | 14,5 | 00189150 | 00188151 | —        | 00188153 |
| Tr 24×5  | 5 | 19,0 | 190 | 74  | 18,0 | 14,5 | 00189160 | 00188161 | 00188162 | 00188163 |
| Tr 26×5  | 5 | 21,0 | 210 | 76  | 20,0 | 16,0 | 00189170 | 00188171 | 00188172 | 00188173 |
| Tr 28×5  | 5 | 23,0 | 220 | 78  | 22,0 | 18,0 | 00189180 | 00188181 | 00188182 | 00188183 |
| Tr 30×3* | 3 | 27,0 | 210 | 57  | 22,0 | 18,0 | 00189190 | 00188191 | —        | 00188193 |
| Tr 30×6  | 6 | 24,0 | 240 | 90  | 22,0 | 18,0 | 00189200 | 00188201 | 00188202 | 00188203 |
| Tr 32×6  | 6 | 26,0 | 255 | 92  | 25,0 | 20,0 | 00189210 | 00188211 | 00188212 | 00188213 |
| Tr 36×3* | 3 | 33,0 | 240 | 68  | 28,0 | 22,0 | 00189220 | 00188221 | —        | 00188223 |
| Tr 36×6  | 6 | 30,0 | 280 | 96  | 28,0 | 22,0 | 00189230 | 00188231 | 00188232 | 00188233 |
| Tr 40×7  | 7 | 33,0 | 310 | 107 | 32,0 | 24,0 | 00189240 | 00188241 | 00188242 | 00188243 |

\* Набор 2-шт.

