



**ТАНАКПРО**

Метчики



 **ТАНАКПРО**

# ИНСТРУМЕНТ ТАНАКПРО

ТАНАКПРО – это новая российская марка высококачественного режущего инструмента, который производится на предприятиях России и Китая на современном технологическом оборудовании с использованием современных технологий.

Широкая номенклатура инструмента ТАНАКПРО используется в различных областях машиностроения, включая аэрокосмическую и автомобильную отрасли, и отвечает всем современным требованиям производств.

Инструмент ТАНАКПРО зарекомендовал себя как эффективное и надежное средство для решения задач механической обработки любой сложности, включая автоматизированное производство.

Наши специалисты с многолетним опытом работы (более 20 лет) в металлообрабатывающей промышленности проконсультируют Вас в выборе необходимого инструмента, который не только поможет качественно справиться с Вашей производственной задачей, но и будет экономически оптимален.

ТАНАКПРО – это инструмент Вашего производственного успеха и уверенности в завтрашнем дне.

А

### Метчики из быстрорежущей стали

- Метчики для обработки углеродистой и легированной стали \_\_\_\_\_ A1
- Метчики для обработки нержавеющей стали \_\_\_\_\_ A31
- Метчики для обработки алюминия, меди и цветных сплавов \_\_\_\_\_ A51
- Метчики для обработки чугуна \_\_\_\_\_ A71



В

### Метчики твердосплавные

- Метчики для обработки алюминия, меди и цветных сплавов \_\_\_\_\_ B1
- Метчики для обработки чугуна \_\_\_\_\_ B11



С

Техническая информация \_\_\_\_\_ C1





# Обозначение метчиков

**TFS01-SC-SK-L-1-M-45-M4×0.7-CR-LH**

**Тип инструмента**

**T** — Tanak (бренд)  
**F** — метчик-раскатник  
**C** — метчик режущий

**Тип канавки**

**S** — прямая  
**R** — спиральная правая  
**L** — спиральная левая

**Материал метчика**

**O** — быстрорежущий  
**1** — твердосплавный

**Материал обработки**

**1** — сталь  
**2** — нержавеющая сталь  
**3** — чугун  
**4** — алюминий и цветные сплавы

**Режущая (формирующая) часть**

**SC** — короткая  
**LC** — длинная  
Может не указываться

**Заборный конус**

**SK** — укороченный (1.5P\*)  
**LK** — удлиненный (5P ... 7.5P)  
**VK** — с подточкой удлиненного (5P)  
Может не указываться

**Хвостовик**

**L** — удлиненный  
Может не указываться

**Для отверстий**

**1** — сквозных (3.5P, 4P, 5P, 7.5P)  
**2** — глухих (1.5P, 2P, 2.5P)  
**3** — сквозных и глухих (1.5P, 2P, 2.5P)

**Мелкий шаг**

Может не указываться

**45** — большой угол спирали 45°  
Может не указываться

**Тип и размер резьбы**

**Подвод СОЖ**

**CC** — центральный  
**CR** — радиальный  
☐ — без подвода

**Направление резьбы**

☐ — правая  
**LH** — левая

Примеры обозначения: TFS01-1-M10x1.00-CC

TCS01-VK-1-M4x0.7

TFL01-LC-1-M1x0.25-6H-LH

TCR12-SC-SK-L-2-M-45-No...UNC/UNF

**Метчики**  
**из быстрорежущей стали**  
для обработки  
углеродистой  
и легированной стали

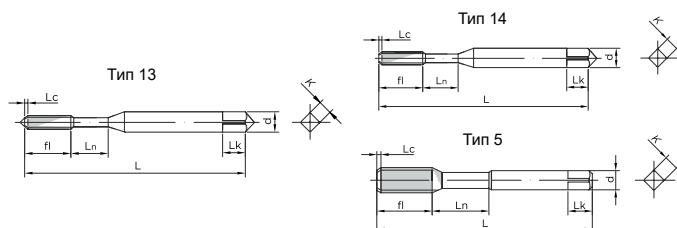




# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS01-SC-L-1/2

HSS-PM M ISO 6HX DIN COATING FUTURA HRC ≤35



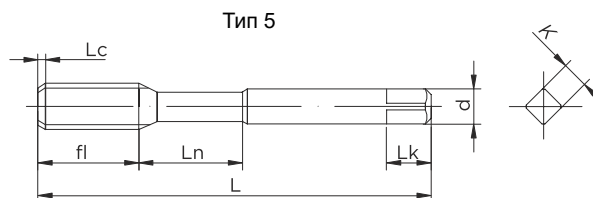
| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |
| TFS01-SC-L-1-M4x0.7   | M4x0.7   | 6HX      | 4P   | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS01-SC-L-2-M4x0.7   | M4x0.7   | 6HX      | 2.5P | 14  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS01-SC-L-1-M5x0.8   | M5x0.8   | 6HX      | 4P   | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS01-SC-L-2-M5x0.8   | M5x0.8   | 6HX      | 2.5P | 14  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS01-SC-L-1-M6x1     | M6x1     | 6HX      | 4P   | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS01-SC-L-2-M6x1     | M6x1     | 6HX      | 2.5P | 14  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS01-SC-L-1-M7x1     | M7x1     | 6HX      | 4P   | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS01-SC-L-2-M7x1     | M7x1     | 6HX      | 2.5P | 14  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS01-SC-L-1-M8x1.25  | M8x1.25  | 6HX      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS01-SC-L-2-M8x1.25  | M8x1.25  | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS01-SC-L-1-M8x1     | M8x1     | 6HX      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS01-SC-L-2-M8x1     | M8x1     | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS01-SC-L-1-M10x1.5  | M10x1.5  | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS01-SC-L-2-M10x1.5  | M10x1.5  | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS01-SC-L-1-M10x1.25 | M10x1.25 | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS01-SC-L-2-M10x1.25 | M10x1.25 | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS01-SC-L-1-M10x1    | M10x1    | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS01-SC-L-2-M10x1    | M10x1    | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS01-SC-L-1-M12x1.75 | M12x1.75 | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-2-M12x1.75 | M12x1.75 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-1-M12x1.5  | M12x1.5  | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-2-M12x1.5  | M12x1.5  | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-1-M12x1.25 | M12x1.25 | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-2-M12x1.25 | M12x1.25 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-1-M12x1    | M12x1    | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-2-M12x1    | M12x1    | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS01-SC-L-1-M14x2    | M14x2    | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS01-SC-L-2-M14x2    | M14x2    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS01-SC-L-1-M14x1.5  | M14x1.5  | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS01-SC-L-2-M14x1.5  | M14x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS01-SC-L-1-M14x1.25 | M14x1.25 | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS01-SC-L-2-M14x1.25 | M14x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS01-SC-L-1-M14x1    | M14x1    | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS01-SC-L-2-M14x1    | M14x1    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS01-SC-L-1/2

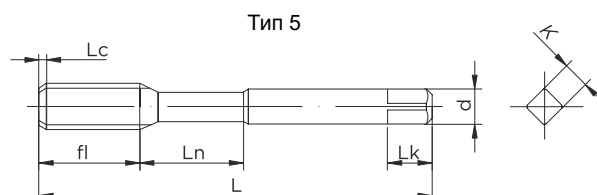


| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    |
|-----------------------|----------|----------|------|-----|------------|----|----|----|------|----|
|                       |          |          |      |     | L          | fl | Ln | d  | K    | Lk |
| TFS01-SC-L-1-M16x2    | M16x2    | 6HX      | 4P   | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-2-M16x2    | M16x2    | 6HX      | 2.5P | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-1-M16x1.5  | M16x1.5  | 6HX      | 4P   | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-2-M16x1.5  | M16x1.5  | 6HX      | 2.5P | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-1-M16x1.25 | M16x1.25 | 6HX      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-2-M16x1.25 | M16x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-1-M16x1    | M16x1    | 6HX      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-2-M16x1    | M16x1    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS01-SC-L-1-M18x2.5  | M18x2.5  | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS01-SC-L-2-M18x2.5  | M18x2.5  | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS01-SC-L-1-M18x2    | M18x2    | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS01-SC-L-2-M18x2    | M18x2    | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS01-SC-L-1-M18x1.5  | M18x1.5  | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS01-SC-L-2-M18x1.5  | M18x1.5  | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS01-SC-L-1-M20x2.5  | M20x2.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS01-SC-L-2-M20x2.5  | M20x2.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS01-SC-L-1-M20x2    | M20x2    | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS01-SC-L-2-M20x2    | M20x2    | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS01-SC-L-1-M20x1.5  | M20x1.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS01-SC-L-2-M20x1.5  | M20x1.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS01-SC-L-1-M22x2.5  | M22x2.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS01-SC-L-2-M22x2.5  | M22x2.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS01-SC-L-1-M22x2    | M22x2    | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS01-SC-L-2-M22x2    | M22x2    | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS01-SC-L-1-M22x1.5  | M22x1.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS01-SC-L-2-M22x1.5  | M22x1.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS01-SC-L-1/2



| Обозначением         | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    |
|----------------------|---------|----------|------|-----|------------|----|----|----|------|----|
|                      |         |          |      |     | L          | fl | Ln | d  | K    | Lk |
| TFS01-SC-L-1-M24x3   | M24x3   | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-2-M24x3   | M24x3   | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-1-M24x2.5 | M24x2.5 | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-2-M24x2.5 | M24x2.5 | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-1-M24x2   | M24x2   | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-2-M24x2   | M24x2   | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-1-M27x2.5 | M27x2.5 | 6HX      | 4P   | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS01-SC-L-2-M27x2.5 | M27x2.5 | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS01-SC-L-1-M27x2   | M27x2   | 6HX      | 4P   | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS01-SC-L-2-M27x2   | M27x2   | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS01-SC-L-1-M30x3.5 | M30x3.5 | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-2-M30x3.5 | M30x3.5 | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-1-M30x3   | M30x3   | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-2-M30x3   | M30x3   | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-1-M30x2.5 | M30x2.5 | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-2-M30x2.5 | M30x2.5 | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-1-M30x2   | M30x2   | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-2-M30x2   | M30x2   | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |

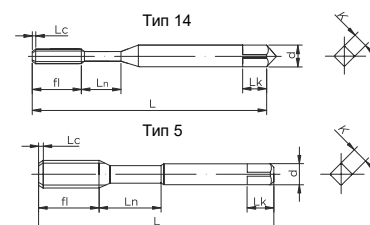
Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, укороченным заборным конусом и удлиненным хвостовиком

Серия TFS01-SC-L-3

HSS-PM M ISO 6HX DIN COATING FUTURA HRC ≤35



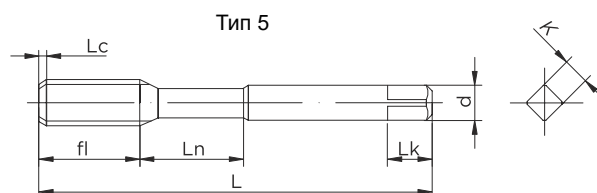
| Обозначение            | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |      |    |
|------------------------|----------|----------|------|-----|------------|----|----|-----|------|----|
|                        |          |          |      |     | L          | fl | Ln | d   | K    | Lk |
| TFS01-SC-L-3-M4x0.7    | M4x0.7   | 6HX      | 1.5P | 14  | 63         | 9  | 12 | 4.5 | 3.4  | 6  |
| TFS01-SC-L-3-M5x0.8    | M5x0.8   | 6HX      | 1.5P | 14  | 70         | 10 | 15 | 6   | 4.9  | 8  |
| TFS01-SC-L-3-M6x1      | M6x1     | 6HX      | 1.5P | 14  | 80         | 10 | 20 | 6   | 4.9  | 8  |
| TFS01-SC-L-3-M7x1      | M7x1     | 6HX      | 1.5P | 14  | 80         | 10 | 20 | 7   | 5.5  | 8  |
| TFS01-SC-L-3-M8x1.25   | M8x1.25  | 6HX      | 1.5P | 5   | 90         | 13 | 22 | 8   | 6.2  | 9  |
| TFS01-SC-L-3-M8x1      | M8x1     | 6HX      | 1.5P | 5   | 90         | 13 | 22 | 8   | 6.2  | 9  |
| TFS01-SC-L-3-M10x1.5   | M10x1.5  | 6HX      | 1.5P | 5   | 100        | 15 | 24 | 10  | 8    | 11 |
| TFS01-SC-L-3-M10x1.25  | M10x1.25 | 6HX      | 1.5P | 5   | 100        | 15 | 24 | 10  | 8    | 11 |
| TFS01-SC-L-3-M10x1     | M10x1    | 6HX      | 1.5P | 5   | 100        | 15 | 24 | 10  | 8    | 11 |
| TFS01-SC-L-3-M12x1.75  | M12x1.75 | 6HX      | 1.5P | 5   | 110        | 17 | 32 | 9   | 7    | 10 |
| TFS01-SC-L-3-M12x1.5   | M12x1.5  | 6HX      | 1.5P | 5   | 110        | 17 | 32 | 9   | 7    | 10 |
| TFS01-SC-L-3-M12x1.25  | M12x1.25 | 6HX      | 1.5P | 5   | 110        | 17 | 32 | 9   | 7    | 10 |
| TFS01-SC-L-3-M12x1     | M12x1    | 6HX      | 1.5P | 5   | 110        | 17 | 32 | 9   | 7    | 10 |
| TFS01-SC-L-3-M14x2     | M14x2    | 6HX      | 1.5P | 5   | 110        | 20 | 33 | 11  | 9    | 12 |
| TFS01-SC-L-3-M14x1.5   | M14x1.5  | 6HX      | 1.5P | 5   | 110        | 20 | 33 | 11  | 9    | 12 |
| TFS01-SC-L-3-M14x1.25  | M14x1.25 | 6HX      | 1.5P | 5   | 110        | 20 | 33 | 11  | 9    | 12 |
| TFS01-SC-L-3-M14x1     | M14x1    | 6HX      | 1.5P | 5   | 110        | 20 | 33 | 11  | 9    | 12 |
| TFS01-SC-L-3-M16x2     | M16x2    | 6HX      | 1.5P | 5   | 110        | 20 | 34 | 12  | 9    | 12 |
| TFS01-SC-L-3-M16x1.5   | M16x1.5  | 6HX      | 1.5P | 5   | 110        | 20 | 34 | 12  | 9    | 12 |
| TFS01-SC-L-3-M16x1.25  | M16x1.25 | 6HX      | 1.5P | 5   | 110        | 20 | 34 | 12  | 9    | 12 |
| TFS01-SC-L-3-M16x1     | M16x1    | 6HX      | 1.5P | 5   | 110        | 20 | 34 | 12  | 9    | 12 |
| TFS01-SC-L-3-M18x2.5   | M18x2.5  | 6HX      | 1.5P | 5   | 125        | 25 | 36 | 14  | 11   | 14 |
| TFS01-SC-L-3-M18x2     | M18x2    | 6HX      | 1.5P | 5   | 125        | 25 | 36 | 14  | 11   | 14 |
| TFS01-SC-L-3-M18x1.5 B | M18x1.5  | 6HX      | 1.5P | 5   | 125        | 25 | 36 | 14  | 11   | 14 |
| TFS01-SC-L-3-M20x2.5   | M20x2.5  | 6HX      | 1.5P | 5   | 140        | 25 | 44 | 16  | 12   | 15 |
| TFS01-SC-L-3-M20x2     | M20x2    | 6HX      | 1.5P | 5   | 140        | 25 | 44 | 16  | 12   | 15 |
| TFS01-SC-L-3-M20x1.5   | M20x1.5  | 6HX      | 1.5P | 5   | 140        | 25 | 44 | 16  | 12   | 15 |
| TFS01-SC-L-3-M22x2.5   | M22x2.5  | 6HX      | 1.5P | 5   | 140        | 25 | 44 | 18  | 14.5 | 17 |
| TFS01-SC-L-3-M22x2     | M22x2    | 6HX      | 1.5P | 5   | 140        | 25 | 44 | 18  | 14.5 | 17 |
| TFS01-SC-L-3-M22x1.5   | M22x1.5  | 6HX      | 1.5P | 5   | 140        | 25 | 44 | 18  | 14.5 | 17 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, укороченным заборным конусом и удлиненным хвостовиком

Серия TFS01-SC-L-3



| Обозначение          | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    |
|----------------------|---------|----------|------|-----|------------|----|----|----|------|----|
|                      |         |          |      |     | L          | fl | Ln | d  | K    | Lk |
| TFS01-SC-L-3-M24x3   | M24x3   | 6HX      | 1.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-3-M24x2.5 | M24x2.5 | 6HX      | 1.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-3-M24x2   | M24x2   | 6HX      | 1.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS01-SC-L-3-M27x3   | M27x3   | 6HX      | 1.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS01-SC-L-3-M27x2.5 | M27x2.5 | 6HX      | 1.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS01-SC-L-3-M27x2   | M27x2   | 6HX      | 1.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS01-SC-L-3-M30x3.5 | M30x3.5 | 6HX      | 1.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-3-M30x3   | M30x3   | 6HX      | 1.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-3-M30x2.5 | M30x2.5 | 6HX      | 1.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS01-SC-L-3-M30x2   | M30x2   | 6HX      | 1.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью, удлиненным хвостовиком и подводом СОЖ

Серия TFS01-SC-L-1/2-CR/CC

HSS-PM

M

СОЖ CR/CC

ISO 6HX



DIN

COATING FUTURA

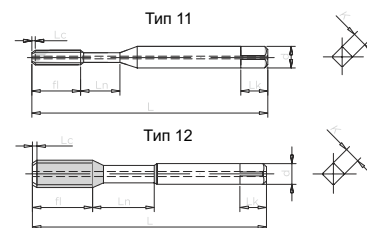
HRC ≤35



Тип CC



Тип CR

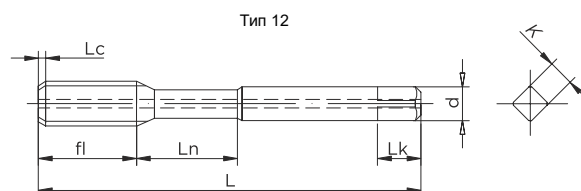


| Обозначение              | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    | Тип подвода СОЖ |
|--------------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|-----------------|
|                          |          |          |      |     | L          | fl | Ln | d   | K   | Lk |                 |
| TFS01-SC-L-1-M4x0.7-CR   | M4x0.7   | 6HX      | 4P   | 11  | 63         | 9  | 12 | 4.5 | 3.4 | 6  | CR              |
| TFS01-SC-L-2-M4x0.7-CC   | M4x0.7   | 6HX      | 2.5P | 11  | 63         | 9  | 12 | 4.5 | 3.4 | 6  | CC              |
| TFS01-SC-L-1-M5x0.8-CR   | M5x0.8   | 6HX      | 4P   | 11  | 70         | 10 | 15 | 6   | 4.9 | 8  | CR              |
| TFS01-SC-L-2-M5x0.8-CC   | M5x0.8   | 6HX      | 2.5P | 11  | 70         | 10 | 15 | 6   | 4.9 | 8  | CC              |
| TFS01-SC-L-1-M6x1-CR     | M6x1     | 6HX      | 4P   | 11  | 80         | 10 | 20 | 6   | 4.9 | 8  | CR              |
| TFS01-SC-L-2-M6x1-CC     | M6x1     | 6HX      | 2.5P | 11  | 80         | 10 | 20 | 6   | 4.9 | 8  | CC              |
| TFS01-SC-L-1-M7x1-CR     | M7x1     | 6HX      | 4P   | 11  | 80         | 10 | 20 | 7   | 5.5 | 8  | CR              |
| TFS01-SC-L-2-M7x1-CC     | M7x1     | 6HX      | 2.5P | 11  | 80         | 10 | 20 | 7   | 5.5 | 8  | CC              |
| TFS01-SC-L-1-M8x1.25-CR  | M8x1.25  | 6HX      | 4P   | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CR              |
| TFS01-SC-L-2-M8x1.25-CC  | M8x1.25  | 6HX      | 2.5P | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CC              |
| TFS01-SC-L-1-M8x1-CR     | M8x1     | 6HX      | 4P   | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CR              |
| TFS01-SC-L-2-M8x1-CC     | M8x1     | 6HX      | 2.5P | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CC              |
| TFS01-SC-L-1-M10x1.5-CR  | M10x1.5  | 6HX      | 4P   | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CR              |
| TFS01-SC-L-2-M10x1.5-CC  | M10x1.5  | 6HX      | 2.5P | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CC              |
| TFS01-SC-L-1-M10x1.25-CR | M10x1.25 | 6HX      | 4P   | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CR              |
| TFS01-SC-L-2-M10x1.25-CC | M10x1.25 | 6HX      | 2.5P | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CC              |
| TFS01-SC-L-1-M10x1-CR    | M10x1    | 6HX      | 4P   | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CR              |
| TFS01-SC-L-2-M10x1-CC    | M10x1    | 6HX      | 2.5P | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CC              |
| TFS01-SC-L-1-M12x1.75-CR | M12x1.75 | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS01-SC-L-2-M12x1.75-CC | M12x1.75 | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS01-SC-L-1-M12x1.5-CR  | M12x1.5  | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS01-SC-L-2-M12x1.5-CC  | M12x1.5  | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS01-SC-L-1-M12x1.25-CR | M12x1.25 | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS01-SC-L-2-M12x1.25-CC | M12x1.25 | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS01-SC-L-1-M12x1-CR    | M12x1    | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS01-SC-L-2-M12x1-CC    | M12x1    | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS01-SC-L-1-M14x2-CR    | M14x2    | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS01-SC-L-2-M14x2-CC    | M14x2    | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |
| TFS01-SC-L-1-M14x1.5-CR  | M14x1.5  | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS01-SC-L-2-M14x1.5-CC  | M14x1.5  | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |
| TFS01-SC-L-1-M14x1.25-CR | M14x1.25 | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS01-SC-L-2-M14x1.25-CC | M14x1.25 | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |
| TFS01-SC-L-1-M14x1-CR    | M14x1    | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS01-SC-L-2-M14x1-CC    | M14x1    | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |



# Метчик-раскатник с прямыми канавками, короткой формирующей частью, удлиненным хвостовиком и подводом СОЖ

Серия TFS01-SC-L-1/2-CR/CC



| Обозначение              | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    | Тип подвода СОЖ |
|--------------------------|----------|----------|------|-----|------------|----|----|----|------|----|-----------------|
|                          |          |          |      |     | L          | fl | Ln | d  | K    | Lk |                 |
| TFS01-SC-L-1-M16x2-CR    | M16x2    | 6HX      | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS01-SC-L-2-M16x2-CC    | M16x2    | 6HX      | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS01-SC-L-1-M16x1.5-CR  | M16x1.5  | 6HX      | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS01-SC-L-2-M16x1.5-CC  | M16x1.5  | 6HX      | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS01-SC-L-1-M16x1.25-CR | M16x1.25 | 6HX      | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS01-SC-L-2-M16x1.25-CC | M16x1.25 | 6HX      | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS01-SC-L-1-M16x1-CR    | M16x1    | 6HX      | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS01-SC-L-2-M16x1-CC    | M16x1    | 6HX      | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS01-SC-L-1-M18x2.5-CR  | M18x2.5  | 6HX      | 4P   | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CR              |
| TFS01-SC-L-2-M18x2.5-CC  | M18x2.5  | 6HX      | 2.5P | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CC              |
| TFS01-SC-L-1-M18x2-CR    | M18x2    | 6HX      | 4P   | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CR              |
| TFS01-SC-L-2-M18x2-CC    | M18x2    | 6HX      | 2.5P | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CC              |
| TFS01-SC-L-1-M18x1.5-CR  | M18x1.5  | 6HX      | 4P   | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CR              |
| TFS01-SC-L-2-M18x1.5-CC  | M18x1.5  | 6HX      | 2.5P | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CC              |
| TFS01-SC-L-1-M20x2.5-CR  | M20x2.5  | 6HX      | 4P   | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CR              |
| TFS01-SC-L-2-M20x2.5-CC  | M20x2.5  | 6HX      | 2.5P | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CC              |
| TFS01-SC-L-1-M20x2-CR    | M20x2    | 6HX      | 4P   | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CR              |
| TFS01-SC-L-2-M20x2-CC    | M20x2    | 6HX      | 2.5P | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CC              |
| TFS01-SC-L-1-M20x1.5-CR  | M20x1.5  | 6HX      | 4P   | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CR              |
| TFS01-SC-L-2-M20x1.5-CC  | M20x1.5  | 6HX      | 2.5P | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CC              |
| TFS01-SC-L-1-M22x2.5-CR  | M22x2.5  | 6HX      | 4P   | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CR              |
| TFS01-SC-L-2-M22x2.5-CC  | M22x2.5  | 6HX      | 2.5P | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CC              |
| TFS01-SC-L-1-M22x2-CR    | M22x2    | 6HX      | 4P   | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CR              |
| TFS01-SC-L-2-M22x2-CC    | M22x2    | 6HX      | 2.5P | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CC              |
| TFS01-SC-L-1-M22x1.5-CR  | M22x1.5  | 6HX      | 4P   | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CR              |
| TFS01-SC-L-2-M22x1.5-CC  | M22x1.5  | 6HX      | 2.5P | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CC              |
| TFS01-SC-L-1-M24x3-CR    | M24x3    | 6HX      | 4P   | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CR              |
| TFS01-SC-L-2-M24x3-CC    | M24x3    | 6HX      | 2.5P | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CC              |
| TFS01-SC-L-1-M24x2.5-CR  | M24x2.5  | 6HX      | 4P   | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CR              |
| TFS01-SC-L-2-M24x2.5-CC  | M24x2.5  | 6HX      | 2.5P | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CC              |
| TFS01-SC-L-1-M24x2-CR    | M24x2    | 6HX      | 4P   | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CR              |
| TFS01-SC-L-2-M24x2-CC    | M24x2    | 6HX      | 2.5P | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CC              |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью, удлиненным хвостовиком и подводом СОЖ

Серия TFS01-SC-L-1/2-CR/CC

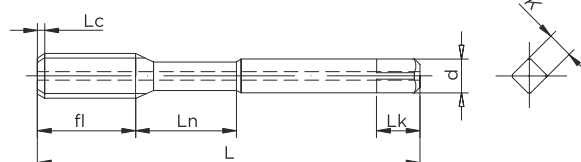
HSS-PM M СОЖ CR/CC ISO 6HX   DIN COATING FUTURA HRC ≤35



Тип CC

Тип CR

Тип 12



| Обозначение             | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |    |    | Тип подвода СОЖ |
|-------------------------|---------|----------|------|-----|------------|----|----|----|----|----|-----------------|
|                         |         |          |      |     | L          | fl | Ln | d  | K  | Lk |                 |
| TFS01-SC-L-1-M27x3-CR   | M27x3   | 6HX      | 4P   | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CR              |
| TFS01-SC-L-2-M27x3-CC   | M27x3   | 6HX      | 2.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS01-SC-L-1-M27x2.5-CR | M27x2.5 | 6HX      | 4P   | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CR              |
| TFS01-SC-L-2-M27x2.5-CC | M27x2.5 | 6HX      | 2.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS01-SC-L-1-M27x2-CR   | M27x2   | 6HX      | 4P   | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CR              |
| TFS01-SC-L-2-M27x2-CC   | M27x2   | 6HX      | 2.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS01-SC-L-1-M30x3.5-CR | M30x3.5 | 6HX      | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS01-SC-L-2-M30x3.5-CC | M30x3.5 | 6HX      | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS01-SC-L-1-M30x3-CR   | M30x3   | 6HX      | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS01-SC-L-2-M30x3-CC   | M30x3   | 6HX      | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS01-SC-L-1-M30x2.5-CR | M30x2.5 | 6HX      | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS01-SC-L-2-M30x2.5-CC | M30x2.5 | 6HX      | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS01-SC-L-1-M30x2-CR   | M30x2   | 6HX      | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS01-SC-L-2-M30x2-CC   | M30x2   | 6HX      | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |

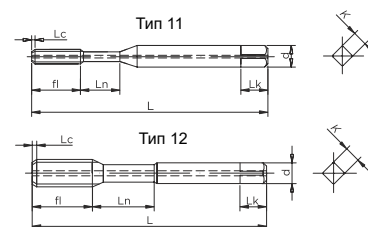




# Метчик-раскатчик с прямыми канавками, укороченным заборным конусом, удлиненным хвостовиком и подводом СОЖ для глухих отверстий

Серия TFS01-SK-L-2-CC

HSS-PM M СОЖ CC ISO 6HX DIN COATING FUTURA HRC ≤35



| Обозначение              | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |      |    | Тип подвода СОЖ |
|--------------------------|----------|----------|------|-----|------------|----|----|-----|------|----|-----------------|
|                          |          |          |      |     | L          | fl | Ln | d   | K    | Lk |                 |
| TFS01-SK-L-2-M4x0.7-CC   | M4x0.7   | 6HX      | 1.5P | 11  | 63         | 9  | 12 | 4.5 | 3.4  | 6  | CC              |
| TFS01-SK-L-2-M5x0.7-CC   | M5x0.8   | 6HX      | 1.5P | 11  | 70         | 10 | 15 | 6   | 4.9  | 8  | CC              |
| TFS01-SK-L-2-M6x1-CC     | M6x1     | 6HX      | 1.5P | 11  | 80         | 10 | 20 | 6   | 4.9  | 8  | CC              |
| TFS01-SK-L-2-M7x1-CC     | M7x1     | 6HX      | 1.5P | 11  | 80         | 10 | 20 | 7   | 5.5  | 8  | CC              |
| TFS01-SK-L-2-M8x1.25-CC  | M8x1.25  | 6HX      | 1.5P | 12  | 90         | 13 | 22 | 8   | 6.2  | 9  | CC              |
| TFS01-SK-L-2-M8x1-CC     | M8x1     | 6HX      | 1.5P | 12  | 90         | 13 | 22 | 8   | 6.2  | 9  | CC              |
| TFS01-SK-L-2-M10x1.5-CC  | M10x1.5  | 6HX      | 1.5P | 12  | 100        | 15 | 24 | 10  | 8    | 11 | CC              |
| TFS01-SK-L-2-M10x1.25-CC | M10x1.25 | 6HX      | 1.5P | 12  | 100        | 15 | 24 | 10  | 8    | 11 | CC              |
| TFS01-SK-L-2-M10x1-CC    | M10x1    | 6HX      | 1.5P | 12  | 100        | 15 | 24 | 10  | 8    | 11 | CC              |
| TFS01-SK-L-2-M12x1.75-CC | M12x1.75 | 6HX      | 1.5P | 12  | 110        | 17 | 32 | 9   | 7    | 10 | CC              |
| TFS01-SK-L-2-M12x1.5-CC  | M12x1.5  | 6HX      | 1.5P | 12  | 110        | 17 | 32 | 9   | 7    | 10 | CC              |
| TFS01-SK-L-2-M12x1.25-CC | M12x1.25 | 6HX      | 1.5P | 12  | 110        | 17 | 32 | 9   | 7    | 10 | CC              |
| TFS01-SK-L-2-M12x1-CC    | M12x1    | 6HX      | 1.5P | 12  | 110        | 17 | 32 | 9   | 7    | 10 | CC              |
| TFS01-SK-L-2-M14x2-CC    | M14x2    | 6HX      | 1.5P | 12  | 110        | 20 | 33 | 11  | 9    | 12 | CC              |
| TFS01-SK-L-2-M14x1.5-CC  | M14x1.5  | 6HX      | 1.5P | 12  | 110        | 20 | 33 | 11  | 9    | 12 | CC              |
| TFS01-SK-L-2-M14x1.25-CC | M14x1.25 | 6HX      | 1.5P | 12  | 110        | 20 | 33 | 11  | 9    | 12 | CC              |
| TFS01-SK-L-2-M14x1-CC    | M14x1    | 6HX      | 1.5P | 12  | 110        | 20 | 33 | 11  | 9    | 12 | CC              |
| TFS01-SK-L-2-M16x2-CC    | M16x2    | 6HX      | 1.5P | 12  | 110        | 20 | 34 | 12  | 9    | 12 | CC              |
| TFS01-SK-L-2-M16x1.5-CC  | M16x1.5  | 6HX      | 1.5P | 12  | 110        | 20 | 34 | 12  | 9    | 12 | CC              |
| TFS01-SK-L-2-M16x1.25-CC | M16x1.25 | 6HX      | 1.5P | 12  | 110        | 20 | 34 | 12  | 9    | 12 | CC              |
| TFS01-SK-L-2-M16x1-CC    | M16x1    | 6HX      | 1.5P | 12  | 110        | 20 | 34 | 12  | 9    | 12 | CC              |
| TFS01-SK-L-2-M18x2.5-CC  | M18x2.5  | 6HX      | 1.5P | 12  | 125        | 25 | 36 | 14  | 11   | 14 | CC              |
| TFS01-SK-L-2-M18x2-CC    | M18x2    | 6HX      | 1.5P | 12  | 125        | 25 | 36 | 14  | 11   | 14 | CC              |
| TFS01-SK-L-2-M18x1.5-CC  | M18x1.5  | 6HX      | 1.5P | 12  | 125        | 25 | 36 | 14  | 11   | 14 | CC              |
| TFS01-SK-L-2-M20x2.5-CC  | M20x2.5  | 6HX      | 1.5P | 12  | 140        | 25 | 44 | 16  | 12   | 15 | CC              |
| TFS01-SK-L-2-M20x2-CC    | M20x2    | 6HX      | 1.5P | 12  | 140        | 25 | 44 | 16  | 12   | 15 | CC              |
| TFS01-SK-L-2-M20x1.5-CC  | M20x1.5  | 6HX      | 1.5P | 12  | 140        | 25 | 44 | 16  | 12   | 15 | CC              |
| TFS01-SK-L-2-M22x2.5-CC  | M22x2.5  | 6HX      | 1.5P | 12  | 140        | 25 | 44 | 18  | 14.5 | 17 | CC              |
| TFS01-SK-L-2-M22x2-CC    | M22x2    | 6HX      | 1.5P | 12  | 140        | 25 | 44 | 18  | 14.5 | 17 | CC              |
| TFS01-SK-L-2-M22x1.5-CC  | M22x1.5  | 6HX      | 1.5P | 12  | 140        | 25 | 44 | 18  | 14.5 | 17 | CC              |
| TFS01-SK-L-2-M24x3-CC    | M24x3    | 6HX      | 1.5P | 12  | 160        | 30 | 48 | 18  | 14.5 | 17 | CC              |
| TFS01-SK-L-2-M24x2.5-CC  | M24x2.5  | 6HX      | 1.5P | 12  | 160        | 30 | 48 | 18  | 14.5 | 17 | CC              |
| TFS01-SK-L-2-M24x2-CC    | M24x2    | 6HX      | 1.5P | 12  | 160        | 30 | 48 | 18  | 14.5 | 17 | CC              |

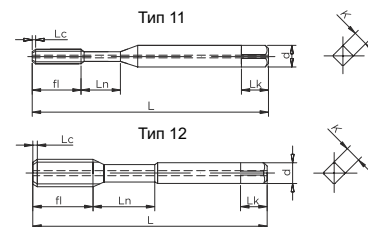
Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, укороченным заборным конусом, удлиненным хвостовиком и подводом СОЖ для глухих отверстий

Серия TFS01-SK-L-2-CC

HSS-PM M СОЖ CC ISO 6HX DIN COATING FUTURA HRC ≤35

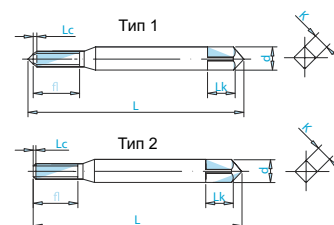


| Обозначение             | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |    |    | Тип подвода СОЖ |
|-------------------------|---------|----------|------|-----|------------|----|----|----|----|----|-----------------|
|                         |         |          |      |     | L          | fl | Ln | d  | K  | Lk |                 |
| TFS01-SK-L-2-M27x3-CC   | M27x3   | 6HX      | 1.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS01-SK-L-2-M27x2.5-CC | M27x2.5 | 6HX      | 1.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS01-SK-L-2-M27x2-CC   | M27x2   | 6HX      | 1.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS01-SK-L-2-M30x3.5-CC | M30x3.5 | 6HX      | 1.5P | 12  | 180        | 35 | 53 | 22 | 18 | 19 | CC              |
| TFS01-SK-L-2-M30x3-CC   | M30x3   | 6HX      | 1.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS01-SK-L-2-M30x2.5-CC | M30x2.5 | 6HX      | 1.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS01-SK-L-2-M30x2-CC   | M30x2   | 6HX      | 1.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |



# Метчик-раскатчик с прямыми канавками и длинной формирующей частью

Серия TFS01-LC-1/2



| Обозначение          | Резьба    | Точность | Lc | Тип | Размер, мм |     |    |     |     |    | Кол-во зубьев |
|----------------------|-----------|----------|----|-----|------------|-----|----|-----|-----|----|---------------|
|                      |           |          |    |     | L          | fl  | Ln | d   | K   | Lk |               |
| TFS01-LC-1-M1x0.25   | M1x0.25   | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M1x0.25   | M1x0.25   | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M1.2x0.25 | M1.2x0.25 | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M1.2x0.25 | M1.2x0.25 | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M1.4x0.3  | M1.4x0.3  | RH4      | 4P | 1   | 37         | 6.5 | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M1.4x0.3  | M1.4x0.3  | RH4      | 2P | 2   | 36         | 6.5 | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M1.6x0.35 | M1.6x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M1.6x0.35 | M1.6x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M1.7x0.35 | M1.7x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M1.7x0.35 | M1.7x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M2x0.4    | M2x0.4    | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M2x0.4    | M2x0.4    | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M2.3x0.4  | M2.3x0.4  | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M2.3x0.4  | M2.3x0.4  | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M2.5x0.45 | M2.5x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M2.5x0.45 | M2.5x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M2.6x0.45 | M2.6x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-2-M2.6x0.45 | M2.6x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS01-LC-1-M3x0.5    | M3x0.5    | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS01-LC-2-M3x0.5    | M3x0.5    | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS01-LC-1-M3.5x0.6  | M3.5x0.6  | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS01-LC-2-M3.5x0.6  | M3.5x0.6  | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS01-LC-1-M4x0.7    | M4x0.7    | RH7      | 4P | 1   | 57         | 18  | -  | 5   | 4   | 7  | -             |
| TFS01-LC-2-M4x0.7    | M4x0.7    | RH7      | 2P | 2   | 55         | 18  | -  | 5   | 4   | 7  | -             |
| TFS01-LC-1-M5x0.8    | M5x0.8    | RH7      | 4P | 1   | 66         | 20  | -  | 5.5 | 4.5 | 7  | -             |
| TFS01-LC-2-M5x0.8    | M5x0.8    | RH7      | 2P | 2   | 63.5       | 20  | -  | 5.5 | 4.5 | 7  | -             |
| TFS01-LC-1-M6x1      | M6x1      | RH7      | 4P | 1   | 69         | 27  | -  | 6   | 4.5 | 7  | 2             |
| TFS01-LC-2-M6x1      | M6x1      | RH7      | 2P | 2   | 66.5       | 27  | -  | 6   | 4.5 | 7  | 2             |

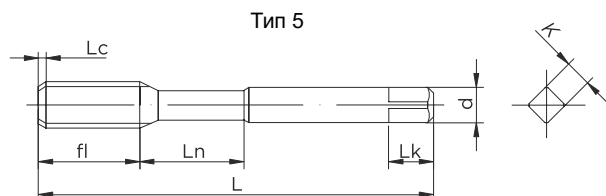
Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками и короткой формирующей частью

Серия TFS01-SC-1/2

HSS-PM M Coating TiCN-AL JIS HRC ≤35



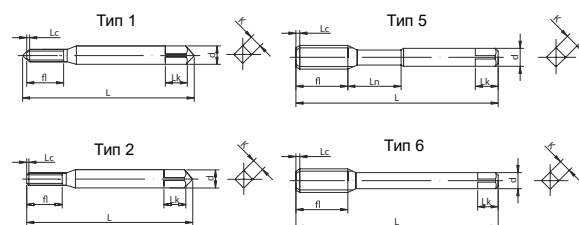
| Обозначение         | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|---------------------|----------|----------|----|-----|------------|----|----|------|-----|----|------------------|
|                     |          |          |    |     | L          | fl | Ln | d    | K   | Lk |                  |
| TFS01-SC-1-M7x1     | M7x1     | RH7      | 4P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFS01-SC-2-M7x1     | M7x1     | RH7      | 2P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFS01-SC-1-M8x1.25  | M8x1.25  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFS01-SC-2-M8x1.25  | M8x1.25  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFS01-SC-1-M10x1.5  | M10x1.5  | RH8      | 4P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFS01-SC-2-M10x1.5  | M10x1.5  | RH8      | 2P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFS01-SC-1-M12x1.75 | M12x1.75 | RH9      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS01-SC-2-M12x1.75 | M12x1.75 | RH9      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS01-SC-1-M14x2    | M14x2    | RH10     | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-SC-2-M14x2    | M14x2    | RH10     | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-SC-1-M16x2    | M16x2    | RH10     | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS01-SC-2-M16x2    | M16x2    | RH10     | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |



# Метчик-раскатчик дюймовый с прямыми канавками

Серия TFS01-1/2-UNC

HSS-PM U Coating TiCN-AL JIS HRC ≤30



| Обозначение         | Резьба      | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во зубьев |
|---------------------|-------------|----------|----|-----|------------|----|----|------|-----|----|---------------|
|                     |             |          |    |     | L          | fl | Ln | d    | K   | Lk |               |
| TFS01-1-NO.1-64UNC  | NO.1-64UNC  | RH4      | 4P | 1   | 37         | 9  | -  | 3    | 2.5 | 3  | -             |
| TFS01-2-NO.1-64UNC  | NO.1-64UNC  | RH4      | 2P | 2   | 35.5       | 9  | -  | 3    | 2.5 | 3  | -             |
| TFS01-1-NO.2-56UNC  | NO.2-56UNC  | RH4      | 4P | 1   | 45         | 12 | -  | 3    | 2.5 | 3  | -             |
| TFS01-1-NO.2-56UNC  | NO.2-56UNC  | RH4      | 2P | 2   | 43.5       | 12 | -  | 3    | 2.5 | 3  | -             |
| TFS01-1-NO.3-48UNC  | NO.3-48UNC  | RH4      | 4P | 1   | 45         | 15 | -  | 3    | 2.5 | 3  | -             |
| TFS01-2-NO.3-48UNC  | NO.3-48UNC  | RH4      | 2P | 2   | 43.5       | 15 | -  | 3    | 2.5 | 3  | -             |
| TFS01-1-NO.4-40UNC  | NO.4-40UNC  | RH4      | 4P | 1   | 45         | 15 | -  | 3    | 2.5 | 3  | -             |
| TFS01-2-NO.4-40UNC  | NO.4-40UNC  | RH4      | 2P | 2   | 43.5       | 15 | -  | 3    | 2.5 | 3  | -             |
| TFS01-1-NO.5-40UNC  | NO.5-40UNC  | RH4      | 4P | 1   | 50         | 15 | -  | 4    | 3.2 | 6  | -             |
| TFS01-2-NO.5-40UNC  | NO.5-40UNC  | RH4      | 2P | 2   | 48         | 15 | -  | 4    | 3.2 | 6  | -             |
| TFS01-1-NO.6-32UNC  | NO.6-32UNC  | RH7      | 4P | 1   | 50         | 16 | -  | 4    | 3.2 | 6  | -             |
| TFS02-2-NO.6-32UNC  | NO.6-32UNC  | RH7      | 2P | 2   | 48         | 16 | -  | 4    | 3.2 | 6  | -             |
| TFS01-1-NO.8-32UNC  | NO.8-32UNC  | RH7      | 4P | 1   | 57         | 18 | -  | 5    | 4   | 7  | -             |
| TFS01-2-NO.8-32UNC  | NO.8-32UNC  | RH7      | 2P | 2   | 54.5       | 18 | -  | 5    | 4   | 7  | -             |
| TFS01-1-NO.10-24UNC | NO.10-24UNC | RH7      | 4P | 1   | 66         | 20 | -  | 5.5  | 4.5 | 7  | -             |
| TFS01-2-NO.10-24UNC | NO.10-24UNC | RH7      | 2P | 2   | 63.5       | 20 | -  | 5.5  | 4.5 | 7  | -             |
| TFS01-1-NO.12-24UNC | NO.12-24UNC | RH7      | 4P | 1   | 66         | 23 | -  | 5.5  | 4.5 | 7  | -             |
| TFS01-2-NO.12-24UNC | NO.12-24UNC | RH7      | 2P | 2   | 63.5       | 23 | -  | 5.5  | 4.5 | 7  | -             |
| TFS01-1-1/4-20UNC   | 1/4-20UNC   | RH7      | 4P | 6   | 62         | 27 | -  | 6    | 4.5 | 7  | 2             |
| TFS01-2-1/4-20UNC   | 1/4-20UNC   | RH7      | 2P | 6   | 62         | 27 | -  | 6    | 4.5 | 7  | 2             |
| TFS01-1-5/16-18UNC  | 5/16-18UNC  | RH8      | 4P | 5   | 70         | 15 | 15 | 6.1  | 5   | 8  | 3             |
| TFS01-2-5/16-18UNC  | 5/16-18UNC  | RH8      | 2P | 5   | 70         | 15 | 15 | 6.1  | 5   | 8  | 3             |
| TFS01-1-3/8-16UNC   | 3/8-16UNC   | RH8      | 4P | 5   | 75         | 16 | 27 | 7    | 5.5 | 8  | 6             |
| TFS01-2-3/8-16UNC   | 3/8-16UNC   | RH8      | 2P | 5   | 75         | 16 | 27 | 7    | 5.5 | 8  | 6             |
| TFS01-1-7/16-14UNC  | 7/16-14UNC  | RH8      | 4P | 5   | 80         | 20 | 20 | 8    | 6   | 9  | 6             |
| TFS01-2-7/16-14UNC  | 7/16-14UNC  | RH8      | 2P | 5   | 80         | 20 | 20 | 8    | 6   | 9  | 6             |
| TFS01-1-1/2-13UNC   | 1/2-13UNC   | RH8      | 4P | 5   | 85         | 21 | 27 | 9    | 7   | 10 | 6             |
| TFS01-2-1/2-13UNC   | 1/2-13UNC   | RH8      | 2P | 5   | 85         | 21 | 27 | 9    | 7   | 10 | 6             |
| TFS01-1-9/16-12UNC  | 9/16-12UNC  | RH9      | 4P | 5   | 90         | 21 | 29 | 10.5 | 8   | 11 | 6             |
| TFS01-2-9/16-12UNC  | 9/16-12UNC  | RH9      | 2P | 5   | 90         | 21 | 29 | 10.5 | 8   | 11 | 6             |
| TFS01-1-5/8-11UNC   | 5/8-11UNC   | RH10     | 4P | 5   | 95         | 23 | 25 | 12   | 9   | 12 | 6             |
| TFS01-2-5/8-11UNC   | 5/8-11UNC   | RH10     | 2P | 5   | 95         | 23 | 25 | 12   | 9   | 12 | 6             |

Метчики из быстрорежущей стали

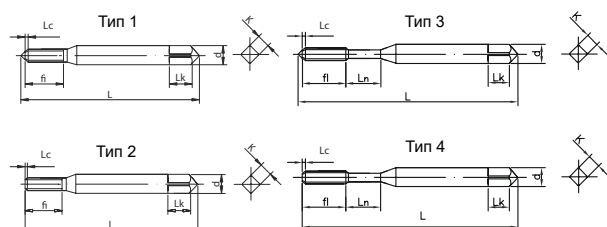


# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и мелким шагом

Серия TFS01-1/2-M



HSS-PM M Coating TiCN-AL JIS HRC ≤30

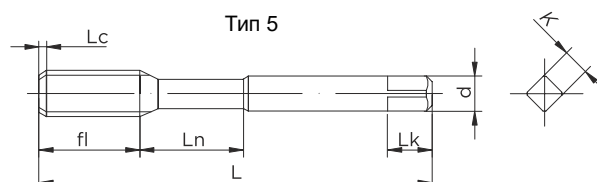


| Обозначение        | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |     |     |    | Кол-во зубьев |
|--------------------|----------|----------|----|-----|------------|----|----|-----|-----|----|---------------|
|                    |          |          |    |     | L          | fl | Ln | d   | K   | Lk |               |
| TFS01-1-M-M1x0.2   | M1x0.2   | RH4      | 4P | 1   | 32         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-2-M-M1x0.2   | M1x0.2   | RH4      | 2P | 2   | 31         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-1-M-M1.2x0.2 | M1.2x0.2 | RH4      | 4P | 1   | 32         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-2-M-M1.2x0.2 | M1.2x0.2 | RH4      | 2P | 2   | 31         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-1-M-M1.4x0.2 | M1.4x0.2 | RH4      | 4P | 1   | 37         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-2-M-M1.4x0.2 | M1.4x0.2 | RH4      | 2P | 2   | 36         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-1-M-M1.6x0.2 | M1.6x0.2 | RH4      | 4P | 1   | 37         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-2-M-M1.6x0.2 | M1.6x0.2 | RH4      | 2P | 2   | 36         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS01-1-M-M2x0.25  | M2x0.25  | RH4      | 4P | 1   | 45         | 4  | -  | 3   | 2.5 | 3  | -             |
| TFS01-2-M-M2x0.25  | M2x0.25  | RH4      | 2P | 2   | 43.5       | 4  | -  | 3   | 2.5 | 3  | -             |
| TFS01-1-M-M3x0.35  | M3x0.35  | RH4      | 4P | 3   | 50         | 6  | 8  | 4   | 3.2 | 6  | -             |
| TFS01-2-M-M3x0.35  | M3x0.35  | RH4      | 2P | 4   | 48         | 6  | 8  | 4   | 3.2 | 6  | -             |
| TFS01-1-M-M4x0.5   | M4x0.5   | RH7      | 4P | 3   | 57         | 8  | 8  | 5   | 4   | 7  | -             |
| TFS01-2-M-M4x0.5   | M4x0.5   | RH7      | 2P | 4   | 55         | 8  | 8  | 5   | 4   | 7  | -             |
| TFS01-1-M-M5x0.5   | M5x0.5   | RH7      | 4P | 3   | 66         | 8  | 8  | 5.5 | 4.5 | 7  | -             |
| TFS01-2-M-M5x0.5   | M5x0.5   | RH7      | 2P | 4   | 64         | 8  | 8  | 5.5 | 4.5 | 7  | -             |
| TFS01-1-M-M6x0.5   | M6x0.5   | RH7      | 4P | 3   | 69         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS01-2-M-M6x0.5   | M6x0.5   | RH7      | 2P | 4   | 66         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS01-1-M-M6x0.75  | M6x0.75  | RH7      | 4P | 3   | 69         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS01-2-M-M6x0.75  | M6x0.75  | RH7      | 2P | 4   | 66         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS01-1-M-M8x1     | M8x1     | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2 | 5   | 8  | 3             |
| TFS01-2-M-M8x1     | M8x1     | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2 | 5   | 8  | 3             |
| TFS01-1-M-M8x0.75  | M8x0.75  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2 | 5   | 8  | 3             |
| TFS01-2-M-M8x0.75  | M8x0.75  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2 | 5   | 8  | 3             |



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и мелким шагом

Серия TFS01-1/2-M



| Обозначение        | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|--------------------|----------|----------|----|-----|------------|----|----|------|-----|----|------------------|
|                    |          |          |    |     | L          | fl | Ln | d    | K   | Lk |                  |
| TFS01-1-M-M10x1.25 | M10x1.25 | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6                |
| TFS01-2-M-M10x1.25 | M10x1.25 | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6                |
| TFS01-1-M-M10x1    | M10x1    | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6                |
| TFS01-2-M-M10x1    | M10x1    | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6                |
| TFS01-1-M-M10x0.75 | M10x0.75 | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6                |
| TFS01-2-M-M10x0.75 | M10x0.75 | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6                |
| TFS01-1-M-M12x1.5  | M12x1.5  | RH8      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS01-2-M-M12x1.5  | M12x1.5  | RH8      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS01-1-M-M12x1.25 | M12x1.25 | RH7      | 4P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6                |
| TFS01-2-M-M12x1.25 | M12x1.25 | RH7      | 2P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6                |
| TFS01-1-M-M12x1    | M12x1    | RH7      | 4P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6                |
| TFS01-2-M-M12x1    | M12x1    | RH7      | 2P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6                |
| TFS01-1-M-M14x1.5  | M14x1.5  | RH8      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-2-M-M14x1.5  | M14x1.5  | RH8      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-1-M-M14x1.25 | M14x1.25 | RH7      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-2-M-M14x1.25 | M14x1.25 | RH7      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-1-M-M14x1    | M14x1    | RH7      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-2-M-M14x1    | M14x1    | RH7      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS01-1-M-M16x1.5  | M16x1.5  | RH8      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS01-2-M-M16x1.5  | M16x1.5  | RH8      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS01-1-M-M16x1.25 | M16x1.25 | RH7      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS01-2-M-M16x1.25 | M16x1.25 | RH7      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS01-1-M-M16x1    | M16x1    | RH7      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS01-2-M-M16x1    | M16x1    | RH7      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |

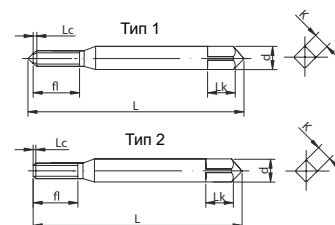
Метчики из быстрорежущей стали



# Метчик-раскатчик с левой резьбой, прямыми канавками и длинной формирующей частью

Серия TFL01-LC-1/2-LH

HSS-PM M LH Coating TiCN-AL JIS HRC ≤30



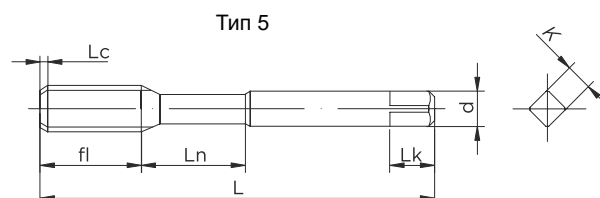
| Обозначение             | Резьба    | Точность | Lc | Тип | Размер, мм |     |    |     |     |    | Кол-во<br>зубьев |
|-------------------------|-----------|----------|----|-----|------------|-----|----|-----|-----|----|------------------|
|                         |           |          |    |     | L          | fl  | Ln | d   | K   | Lk |                  |
| TFL01-LC-1-M1x0.25-LH   | M1x0.25   | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M1x0.25-LH   | M1x0.25   | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M1.2x0.25-LH | M1.2x0.25 | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M1.2x0.25-LH | M1.2x0.25 | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M1.4x0.3-LH  | M1.4x0.3  | RH4      | 4P | 1   | 37         | 6.5 | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M1.4x0.3-LH  | M1.4x0.3  | RH4      | 2P | 2   | 36         | 6.5 | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M1.6x0.35-LH | M1.6x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M1.6x0.35-LH | M1.6x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M1.7x0.35-LH | M1.7x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M1.7x0.35-LH | M1.7x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M2x0.4-LH    | M2x0.4    | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M2x0.4-LH    | M2x0.4    | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M2.3x0.4-LH  | M2.3x0.4  | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M2.3x0.4-LH  | M2.3x0.4  | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M2.5x0.45-LH | M2.5x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M2.5x0.45-LH | M2.5x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M2.6x0.45-LH | M2.6x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-2-M2.6x0.45-LH | M2.6x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL01-LC-1-M3x0.5-LH    | M3x0.5    | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFL01-LC-2-M3x0.5-LH    | M3x0.5    | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFL01-LC-1-M3.5x0.6-LH  | M3.5x0.6  | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFL01-LC-2-M3.5x0.6-LH  | M3.5x0.6  | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFL01-LC-1-M4x0.7-LH    | M4x0.7    | RH7      | 4P | 1   | 57         | 18  | -  | 5   | 4   | 7  | -                |
| TFL01-LC-2-M4x0.7-LH    | M4x0.7    | RH7      | 2P | 2   | 55         | 18  | -  | 5   | 4   | 7  | -                |
| TFL01-LC-1-M5x0.8-LH    | M5x0.8    | RH7      | 4P | 1   | 66         | 20  | -  | 5.5 | 4.5 | 7  | -                |
| TFL01-LC-2-M5x0.8-LH    | M5x0.8    | RH7      | 2P | 2   | 63.5       | 20  | -  | 5.5 | 4.5 | 7  | -                |
| TFL01-LC-1-M6x1-LH      | M6x1      | RH7      | 4P | 1   | 69         | 27  | -  | 6   | 4.5 | 7  | 2                |
| TFL01-LC-2-M6x1-LH      | M6x1      | RH7      | 2P | 2   | 66.5       | 27  | -  | 6   | 4.5 | 7  | 2                |





# Метчик-раскатник с левой резьбой, прямыми канавками и короткой формирующей частью

Серия TFL01-SC-1/2-LH



| Обозначение            | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|------------------------|----------|----------|----|-----|------------|----|----|------|-----|----|------------------|
|                        |          |          |    |     | L          | fl | Ln | d    | K   | Lk |                  |
| TFL01-SC-1-M7x1-LH     | M7x1     | RH7      | 4P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFL01-SC-2-M7x1-LH     | M7x1     | RH7      | 2P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFL01-SC-1-M8x1.25-LH  | M8x1.25  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFL01-SC-2-M8x1.25-LH  | M8x1.25  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFL01-SC-1-M10x1.5-LH  | M10x1.5  | RH8      | 4P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFL01-SC-2-M10x1.5-LH  | M10x1.5  | RH8      | 2P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFL01-SC-1-M12x1.75-LH | M12x1.75 | RH9      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFL01-SC-2-M12x1.75-LH | M12x1.75 | RH9      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFL01-SC-1-M14x2-LH    | M14x2    | RH10     | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFL01-SC-2-M14x2-LH    | M14x2    | RH10     | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFL01-SC-1-M16x2-LH    | M16x2    | RH10     | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFL01-SC-2-M16x2-LH    | M16x2    | RH10     | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |

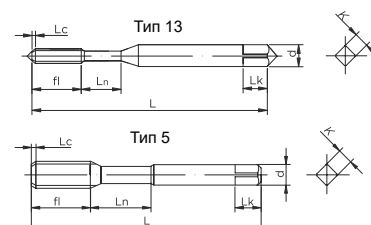
Метчики из быстрорежущей стали



# Метчик с правыми спиральными канавками, короткой режущей частью и удлиненным хвостовиком

Серия TCR01-SC-L-3

HSS-PM M ISO 6HX DIN Coating HRC ≤35



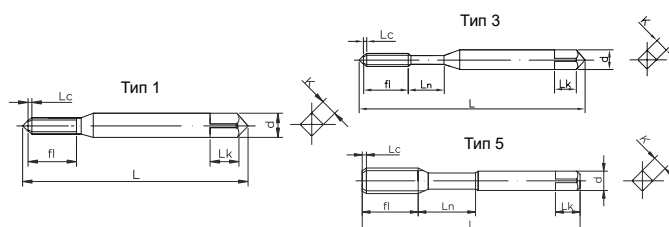
| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    | Кол-во<br>зубьев |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|------------------|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |                  |
| TCR01-SC-L-3-M4x0.7   | M4x0.7   | 6HX      | 2.5P | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  | 2                |
| TCR01-SC-L-3-M5x0.8   | M5x0.8   | 6HX      | 2.5P | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  | 2                |
| TCR01-SC-L-3-M6x1     | M6x1     | 6HX      | 2.5P | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  | 2                |
| TCR01-SC-L-3-M7x1     | M7x1     | 6HX      | 2.5P | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  | 2                |
| TCR01-SC-L-3-M8x1.25  | M8x1.25  | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  | 3                |
| TCR01-SC-L-3-M8x1     | M8x1     | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  | 3                |
| TCR01-SC-L-3-M10x1.5  | M10x1.5  | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 | 3                |
| TCR01-SC-L-3-M10x1.25 | M10x1.25 | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 | 3                |
| TCR01-SC-L-3-M10x1    | M10x1    | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 | 3                |
| TCR01-SC-L-3-M12x1.75 | M12x1.75 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCR01-SC-L-3-M12x1.5  | M12x1.5  | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCR01-SC-L-3-M12x1.25 | M12x1.25 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCR01-SC-L-3-M12x1    | M12x1    | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCR01-SC-L-3-M14x2    | M14x2    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCR01-SC-L-3-M14x1.5  | M14x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCR01-SC-L-3-M14x1.25 | M14x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCR01-SC-L-3-M14x1    | M14x1    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCR01-SC-L-3-M16x2    | M16x2    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |
| TCR01-SC-L-3-M16x1.5  | M16x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |
| TCR01-SC-L-3-M16x1.25 | M16x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |
| TCR01-SC-L-3-M16x1    | M16x1    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |



# Метчик с правыми спиральными канавками, углом спирали 45° и укороченным заборным конусом

Серия TCR01-SK-3-45

HSS-PM M Coating TiCN-AL JIS HRC ≤35



| Обозначение             | Резьба    | Точность | Lc   | Тип | Размер, мм |     |    |      |     |    | Кол-во<br>зубьев |
|-------------------------|-----------|----------|------|-----|------------|-----|----|------|-----|----|------------------|
|                         |           |          |      |     | L          | fl  | Ln | d    | K   | Lk |                  |
| TCR01-SK-3-45-M1x0.25   | M1x0.25   | P1       | 1.5P | 1   | 37         | 4.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR01-SK-3-45-M1.2x0.25 | M1.2x0.25 | P1       | 1.5P | 1   | 37         | 4.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR01-SK-3-45-M1.4x0.3  | M1.4x0.3  | P1       | 1.5P | 1   | 37         | 6.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR01-SK-3-45-M1.6x0.35 | M1.6x0.35 | P2       | 1.5P | 1   | 37         | 8   | -  | 3    | 2.5 | 3  | 2                |
| TCR01-SK-3-45-M2x0.4    | M2x0.4    | P2       | 2.5P | 1   | 45         | 11  | -  | 3    | 2.5 | 3  | 2                |
| TCR01-SK-3-45-M2.5x0.45 | M2.5x0.45 | P2       | 2.5P | 1   | 45         | 12  | -  | 3    | 2.5 | 3  | 2                |
| TCR01-SK-3-45-M3x0.5    | M3x0.5    | P2       | 2.5P | 3   | 50         | 5   | 13 | 4    | 3.2 | 6  | 3                |
| TCR01-SK-3-45-M3.5x0.6  | M3.5x0.6  | P2       | 2.5P | 3   | 50         | 6   | 13 | 4    | 3.2 | 6  | 3                |
| TCR01-SK-3-45-M4x0.7    | M4x0.7    | P2       | 2.5P | 3   | 57         | 9   | 11 | 5    | 4   | 7  | 3                |
| TCR01-SK-3-45-M5x0.8    | M5x0.8    | P2       | 2.5P | 3   | 66         | 8   | 17 | 5.5  | 4.5 | 7  | 3                |
| TCR01-SK-3-45-M6x1      | M6x1      | P2       | 2.5P | 3   | 69         | 12  | 12 | 6    | 4.5 | 7  | 3                |
| TCR01-SK-3-45-M7x1      | M7x1      | P3       | 2.5P | 3   | 78         | 13  | 10 | 6.2  | 5   | 8  | 3                |
| TCR01-SK-3-45-M8x1.25   | M8x1.25   | P3       | 2.5P | 5   | 70         | 13  | 23 | 6.2  | 5   | 8  | 3                |
| TCR01-SK-3-45-M8x1      | M8x1      | P3       | 3.5P | 5   | 70         | 13  | 23 | 6.2  | 5   | 8  | 3                |
| TCR01-SK-3-45-M10x1.5   | M10x1.5   | P4       | 2.5P | 5   | 75         | 15  | 28 | 7    | 5.5 | 8  | 3                |
| TCR01-SK-3-45-M10x1.25  | M10x1.25  | P3       | 2.5P | 5   | 75         | 13  | 30 | 7    | 5.5 | 8  | 3                |
| TCR01-SK-3-45-M10x1     | M10x1     | P3       | 2.5P | 5   | 75         | 13  | 30 | 7    | 5.5 | 8  | 3                |
| TCR01-SK-3-45-M12x1.75  | M12x1.75  | P4       | 2.5P | 5   | 82         | 17  | 25 | 8.5  | 6.5 | 9  | 3                |
| TCR01-SK-3-45-M12x1.5   | M12x1.5   | P4       | 2.5P | 5   | 82         | 17  | 25 | 8.5  | 6.5 | 9  | 3                |
| TCR01-SK-3-45-M12x1.25  | M12x1.25  | P4       | 2.5P | 5   | 82         | 13  | 29 | 8.5  | 6.5 | 9  | 3                |
| TCR01-SK-3-45-M12x1     | M12x1     | P3       | 2.5P | 5   | 82         | 13  | 29 | 8.5  | 6.5 | 9  | 3                |
| TCR01-SK-3-45-M14x2     | M14x2     | P5       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-SK-3-45-M14x1.5   | M14x1.5   | P4       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-SK-3-45-M14x1.25  | M14x1.25  | P4       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-SK-3-45-M14x1     | M14x1     | P3       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-SK-3-45-M16x2     | M16x2     | P5       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-SK-3-45-M16x1.5   | M16x1.5   | P4       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-SK-3-45-M16x1.25  | M16x1.25  | P4       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-SK-3-45-M16x1     | M16x1     | P3       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |

Метчики из быстрорежущей стали



# Метчик дюймовый с правыми спиральными канавками и углом спирали 45°

Серия TCR01-3-45-UNF/UNC

HSS-  
PM

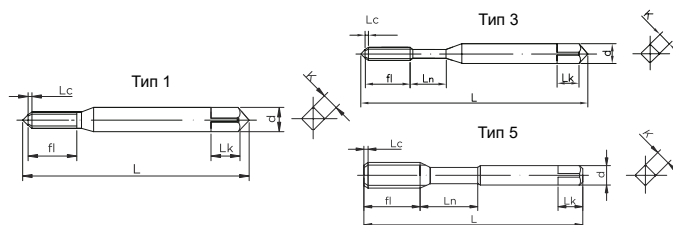
U



Coating  
TiCN-AL

JIS

HRC  
≤35



| Обозначение            | Резьба      | Точность | Lc   | Тип | Размер, мм |    |      |      |     |    | Кол-во<br>зубьев |
|------------------------|-------------|----------|------|-----|------------|----|------|------|-----|----|------------------|
|                        |             |          |      |     | L          | fl | Ln   | d    | K   | Lk |                  |
| TCR01-3-45-NO.0-80UNF  | NO.0-80UNF  | P1       | 1.5P | 1   | 37         | 10 | -    | 3    | 2.5 | 3  | 2                |
| TCR01-3-45-NO.1-64UNC  | NO.1-64UNC  | P1       | 1.5P | 1   | 37         | 11 | -    | 3    | 2.5 | 3  | 2                |
| TCR01-3-45-NO.2-56UNC  | NO.2-56UNC  | P1       | 2.5P | 1   | 45         | 12 | -    | 3    | 2.5 | 3  | 2                |
| TCR01-3-45-NO.3-48UNC  | NO.3-48UNC  | P1       | 2.5P | 1   | 45         | 14 | -    | 3    | 2.5 | 3  | 2                |
| TCR01-3-45-NO.4-40UNC  | NO.4-40UNC  | P2       | 2.5P | 1   | 45         | 6  | 10   | 3    | 2.5 | 3  | 3                |
| TCR01-3-45-NO.5-40UNC  | NO.5-40UNC  | P2       | 2.5P | 3   | 50         | 7  | 12   | 4    | 3.2 | 6  | 3                |
| TCR01-3-45-NO.6-32UNC  | NO.6-32UNC  | P2       | 2.5P | 3   | 50         | 8  | 12   | 4    | 3.2 | 6  | 3                |
| TCR01-3-45-NO.6-40UNF  | NO.6-40UNF  | P2       | 2.5P | 3   | 50         | 8  | 12   | 4    | 3.2 | 6  | 3                |
| TCR01-3-45-NO.8-32UNC  | NO.8-32UNC  | P2       | 2.5P | 3   | 57         | 8  | 13.5 | 5    | 4   | 7  | 3                |
| TCR01-3-45-NO.8-36UNF  | NO.8-36UNF  | P2       | 2.5P | 3   | 57         | 8  | 13.5 | 5    | 4   | 7  | 3                |
| TCR01-3-45-NO.10-24UNC | NO.10-24UNC | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR01-3-45-NO.12-24UNC | NO.12-24UNC | P2       | 2.5  | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR01-3-45-1/4-20UNC   | 1/4-20UNC   | P2       | 2.5P | 3   | 69         | 12 | 17   | 6    | 4.5 | 7  | 3                |
| TCR01-3-45-1/4-28UNF   | 1/4-28UNF   | P2       | 2.5P | 3   | 69         | 12 | 17   | 6    | 4.5 | 7  | 3                |
| TCR01-3-45-5/16-18UNC  | 5/16-18UNC  | P3       | 2.5P | 5   | 70         | 15 | 15   | 6.1  | 5   | 8  | 3                |
| TCR01-3-45-5/16-24UNF  | 5/16-24UNF  | P3       | 2.5P | 5   | 70         | 11 | 19   | 6.1  | 5   | 8  | 3                |
| TCR01-3-45-3/8-16UNC   | 3/8-16UNC   | P3       | 2.5P | 5   | 75         | 16 | 27   | 7    | 5.5 | 8  | 3                |
| TCR01-3-45-3/8-24UNF   | 3/8-24UNF   | P3       | 2.5P | 5   | 75         | 11 | 32   | 7    | 5.5 | 8  | 3                |
| TCR01-3-45-7/16-14UNC  | 7/16-14UNC  | P4       | 2.5P | 5   | 80         | 20 | 20   | 8    | 6   | 9  | 3                |
| TCR01-3-45-7/16-20UNF  | 7/16-20UNF  | P3       | 2.5P | 5   | 80         | 13 | 27   | 8    | 6   | 9  | 3                |
| TCR01-3-45-1/2-13UNC   | 1/2-13UNC   | P4       | 2.5P | 5   | 85         | 21 | 27   | 9    | 7   | 10 | 3                |
| TCR01-3-45-1/2-20UNF   | 1/2-20UNF   | P3       | 2.5P | 5   | 85         | 13 | 35   | 9    | 7   | 10 | 3                |
| TCR01-3-45-9/16-12UNC  | 9/16-12UNC  | P4       | 2.5P | 5   | 90         | 21 | 29   | 10.5 | 8   | 11 | 3                |
| TCR01-3-45-9/16-18UNF  | 9/16-18UNF  | P3       | 2.5P | 5   | 90         | 15 | 35   | 10.5 | 8   | 11 | 3                |
| TCR01-3-45-5/8-11UNC   | 5/8-11UNC   | P4       | 2.5P | 5   | 95         | 23 | 25   | 12   | 9   | 12 | 3                |
| TCR01-3-45-5/8-18UNF   | 5/8-18UNF   | P3       | 2.5P | 5   | 95         | 23 | 25   | 12   | 9   | 12 | 3                |

Метчики из быстрорежущей стали

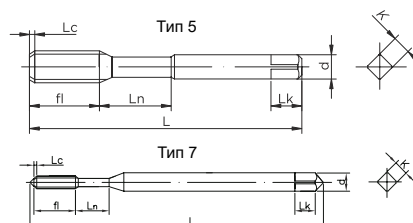


# Метчик с правыми спиральными канавками, длинной режущей частью и удлиненным хвостовиком

Серия TCR01-LC-L-3



HSS-PM M Coating TiCN-AL JIS HRC ≤35



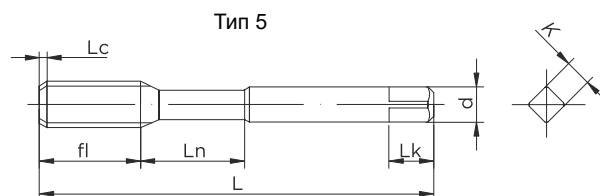
| Обозначение                | Резьба    | Точность | Lc   | Тип | Размер, мм |      |     |     |     |    | Кол-во<br>зубьев |
|----------------------------|-----------|----------|------|-----|------------|------|-----|-----|-----|----|------------------|
|                            |           |          |      |     | L          | fl   | Ln  | d   | K   | Lk |                  |
| TCR01-LC-L-3-M2x0.4-80     | M2x0.4    | P2       | 2.5P | 7   | 80         | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR01-LC-L-3-M2x0.4-100    | M2x0.4    | P2       | 2.5P | 7   | 100        | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR01-LC-L-3-M2.5x0.45-80  | M2.5x0.45 | P2       | 2.5P | 7   | 80         | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR01-LC-L-3-M2.5x0.45-100 | M2.5x0.45 | P2       | 2.5P | 7   | 100        | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR01-LC-L-3-M3x0.5-80     | M3x0.5    | P2       | 2.5P | 7   | 80         | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M3x0.5-100    | M3x0.5    | P2       | 2.5P | 7   | 100        | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M3x0.5-120    | M3x0.5    | P2       | 2.5P | 7   | 120        | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M3x0.5-150    | M3x0.5    | P2       | 2.5P | 7   | 150        | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M3.5x0.6-80   | M3.5x0.6  | P2       | 2.5P | 7   | 80         | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M3.5x0.6-100  | M3.5x0.6  | P2       | 2.5P | 7   | 100        | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M3.5x0.6-120  | M3.5x0.6  | P2       | 2.5P | 7   | 120        | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M3.5x0.6-150  | M3.5x0.6  | P2       | 2.5P | 7   | 150        | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR01-LC-L-3-M4x0.7-80     | M4x0.7    | P2       | 2.5P | 7   | 80         | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR01-LC-L-3-M4x0.7-100    | M4x0.7    | P2       | 2.5P | 7   | 100        | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR01-LC-L-3-M4x0.7-120    | M4x0.7    | P2       | 2.5P | 7   | 120        | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR01-LC-L-3-M4x0.7-150    | M4x0.7    | P2       | 2.5P | 7   | 150        | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR01-LC-L-3-M5x0.8-80     | M5x0.8    | P2       | 2.5P | 7   | 80         | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M5x0.8-100    | M5x0.8    | P2       | 2.5P | 7   | 100        | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M5x0.8-120    | M5x0.8    | P2       | 2.5P | 7   | 120        | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M5x0.8-150    | M5x0.8    | P2       | 2.5P | 7   | 150        | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M6x1-80       | M6x1      | P2       | 2.5P | 7   | 80         | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M6x1-100      | M6x1      | P2       | 2.5P | 7   | 100        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M6x1-120      | M6x1      | P2       | 2.5P | 7   | 120        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M6x1-150      | M6x1      | P2       | 2.5P | 7   | 150        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR01-LC-L-3-M7x1-100      | M7x1      | P3       | 2.5P | 7   | 100        | 13   | 10  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M7x1-120      | M7x1      | P3       | 2.5P | 7   | 120        | 13   | 10  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M7x1-150      | M7x1      | P3       | 2.5P | 7   | 150        | 13   | 10  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M8x1.25-100   | M8x1.25   | P3       | 2.5P | 5   | 100        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M8x1.25-120   | M8x1.25   | P3       | 2.5P | 5   | 120        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M8x1.25-150   | M8x1.25   | P3       | 2.5P | 5   | 150        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M8x1-100      | M8x1      | P3       | 2.5P | 5   | 100        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M8x1-120      | M8x1      | P3       | 2.5P | 5   | 120        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR01-LC-L-3-M8x1-150      | M8x1      | P3       | 2.5P | 5   | 150        | 22   | 15  | 6.2 | 5   | 8  | 3                |

Метчики из быстрорежущей стали



# Метчик с правыми спиральными канавками и удлиненным хвостовиком

Серия TCR01-LC-L-3



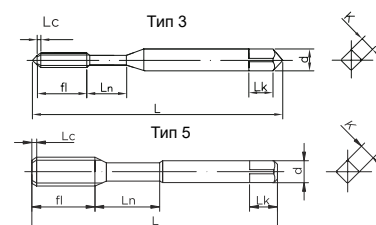
| Обозначение               | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|---------------------------|----------|----------|------|-----|------------|----|----|------|-----|----|------------------|
|                           |          |          |      |     | L          | fl | Ln | d    | K   | Lk |                  |
| TCR01-LC-L-3-M10x1.5-100  | M10x1.5  | P4       | 2.5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1.5-120  | M10x1.5  | P4       | 2.5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1.5-150  | M10x1.5  | P4       | 2.5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1.25-100 | M10x1.25 | P3       | 2.5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1.25-120 | M10x1.25 | P3       | 2.5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1.25-150 | M10x1.25 | P3       | 2.5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1-100    | M10x1    | P3       | 2.5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1-120    | M10x1    | P3       | 2.5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M10x1-150    | M10x1    | P3       | 2.5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR01-LC-L-3-M12x1.75-100 | M12x1.75 | P4       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.75-120 | M12x1.75 | P4       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.75-150 | M12x1.75 | P4       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.5-100  | M12x1.5  | P4       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.5-120  | M12x1.5  | P4       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.5-150  | M12x1.5  | P4       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.25-100 | M12x1.25 | P4       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.25-120 | M12x1.25 | P4       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1.25-150 | M12x1.25 | P4       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1-6H-100 | M12x1    | P3       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1-120    | M12x1    | P3       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M12x1-150    | M12x1    | P3       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR01-LC-L-3-M14x2-120    | M14x2    | P5       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M14x2-150    | M14x2    | P5       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M14x1.5-120  | M14x1.5  | P4       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M14x1.5-L2   | M14x1.5  | P4       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M14x1.25-120 | M14x1.25 | P4       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M14x1.25-150 | M14x1.25 | P4       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M14x1-120    | M14x1    | P3       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M14x1-150    | M14x1    | P3       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR01-LC-L-3-M16x2-120    | M16x2    | P5       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-LC-L-3-M16x2-150    | M16x2    | P5       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-LC-L-3-M16x1.5-120  | M16x1.5  | P4       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-LC-L-3-M16x1.5-150  | M16x1.5  | P4       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-LC-L-3-M16x1.25-120 | M16x1.25 | P4       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-LC-L-3-M16x1.25-150 | M16x1.25 | P4       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-LC-L-3-M16x1-120    | M16x1    | P3       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR01-LC-L-3-M16x1-150    | M16x1    | P3       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |



# Метчик с правыми спиральными канавками для сквозных отверстий

Серия TCR01-1

HSS-PM M Coating TiCN-AL JIS Coating HRC ≤35



| Обозначение      | Резьба   | Точность | Lc   | Тип | Размер, мм |      |     |      |     |    | Кол-во зубьев |
|------------------|----------|----------|------|-----|------------|------|-----|------|-----|----|---------------|
|                  |          |          |      |     | L          | fl   | Ln  | d    | K   | Lk |               |
| TCR01-1-M4x0.7   | M4x0.7   | P2       | 3.5P | 3   | 57         | 14   | 7   | 5    | 4   | 7  | 3             |
| TCR01-1-M5x0.8   | M5x0.8   | P2       | 3.5P | 3   | 66         | 16   | 9   | 5.5  | 4.5 | 7  | 3             |
| TCR01-1-M6x1     | M6x1     | P2       | 3.5P | 3   | 69         | 19.5 | 9.5 | 6    | 4.5 | 7  | 3             |
| TCR01-1-M7x1     | M7x1     | P3       | 3.5P | 3   | 78         | 13   | 10  | 6.2  | 5   | 8  | 3             |
| TCR01-1-M8x1.25  | M8x1.25  | P3       | 3.5P | 5   | 70         | 22   | 15  | 6.2  | 5   | 8  | 3             |
| TCR01-1-M8x1     | M8x1     | P3       | 3.5P | 5   | 70         | 22   | 15  | 6.2  | 5   | 8  | 3             |
| TCR01-1-M10x1.5  | M10x1.5  | P4       | 3.5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3             |
| TCR01-1-M10x1.25 | M10x1.25 | P3       | 3.5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3             |
| TCR01-1-M10x1    | M10x1    | P3       | 3.5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3             |
| TCR01-1-M12x1.75 | M12x1.75 | P4       | 3.5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCR01-1-M12x1.5  | M12x1.5  | P4       | 3.5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCR01-1-M12x1.25 | M12x1.25 | P4       | 3.5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCR01-1-M12x1    | M12x1    | P3       | 3.5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCR01-1-M14x2    | M14x2    | P5       | 3.5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCR01-1-M14x1.5  | M14x1.5  | P4       | 3.5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCR01-1-M14x1.25 | M14x1.25 | P4       | 3.5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCR01-1-M14x1    | M14x1    | P3       | 3.5P | 5   | 92         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCR01-1-M16x2    | M16x2    | P5       | 3.5P | 5   | 92         | 20   | 32  | 12.5 | 10  | 13 | 3             |
| TCR01-1-M16x1.5  | M16x1.5  | P4       | 3.5P | 5   | 92         | 20   | 32  | 12.5 | 10  | 13 | 3             |
| TCR01-1-M16x1.25 | M16x1.25 | P4       | 3.5P | 5   | 92         | 20   | 32  | 12.5 | 10  | 13 | 3             |
| TCR01-1-M16x1    | M16x1    | P3       | 3.5P | 5   | 92         | 20   | 32  | 12.5 | 10  | 13 | 3             |

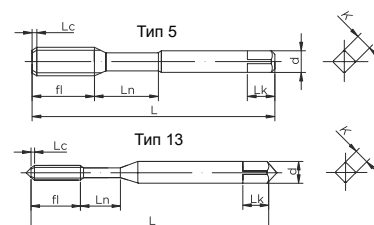
Метчики из быстрорежущей стали



# Метчик с прямыми канавками и подточкой заборного конуса для сквозных отверстий

Серия TCS01-VK-1

HSS-PM M ISO 6H DIN Coating HRC ≤35



| Обозначение         | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |     |     |    | Кол-во<br>зубьев |
|---------------------|----------|----------|----|-----|------------|----|----|-----|-----|----|------------------|
|                     |          |          |    |     | L          | fl | Ln | d   | K   | Lk |                  |
| TCS01-VK-1-M4x0.7   | M4x0.7   | 6HX      | 5P | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  | 2                |
| TCS01-VK-1-M5x0.8   | M5x0.8   | 6HX      | 5P | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  | 2                |
| TCS01-VK-1-M6x1     | M6x1     | 6HX      | 5P | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  | 2                |
| TCS01-VK-1-M7x1     | M7x1     | 6HX      | 5P | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  | 2                |
| TCS01-VK-1-M8x1.25  | M8x1.25  | 6HX      | 5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  | 3                |
| TCS01-VK-1-M8x1     | M8x1     | 6HX      | 5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  | 3                |
| TCS01-VK-1-M10x1.5  | M10x1.5  | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 | 3                |
| TCS01-VK-1-M10x1.25 | M10x1.25 | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 | 3                |
| TCS01-VK-1-M10x1    | M10x1    | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 | 3                |
| TCS01-VK-1-M12x1.75 | M12x1.75 | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCS01-VK-1-M12x1.5  | M12x1.5  | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCS01-VK-1-M12x1.25 | M12x1.25 | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCS01-VK-1-M12x1    | M12x1    | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 | 3                |
| TCS01-VK-1-M14x2    | M14x2    | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCS01-VK-1-M14x1.5  | M14x1.5  | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCS01-VK-1-M14x1.25 | M14x1.25 | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCS01-VK-1-M14x1    | M14x1    | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 | 3                |
| TCS01-VK-1-M16x2    | M16x2    | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |
| TCS01-VK-1-M16x1.5  | M16x1.5  | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |
| TCS01-VK-1-M16x1.25 | M16x1.25 | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |
| TCS01-VK-1-M16x1    | M16x1    | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 | 3                |

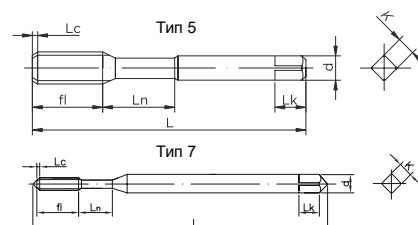




# Метчик с прямыми канавками, подточкой заборного конуса и удлиненным хвостовиком для сквозных отверстий

Серия TCS01-VK-L-1

HSS-PM M Coating TiCN-AL JIS HRC ≤30



| Обозначение                | Резьба    | Точность | Lc | Тип | Размер, мм |      |     |     |     |    | Кол-во зубьев |
|----------------------------|-----------|----------|----|-----|------------|------|-----|-----|-----|----|---------------|
|                            |           |          |    |     | L          | fl   | Ln  | d   | K   | Lk |               |
| TCS01-VK-L-1-M2x0.4-80     | M2x0.4    | P2       | 5P | 7   | 80         | 9    | 6   | 5   | 2.5 | 5  | 2             |
| TCS01-VK-L-1-M2x0.4-100    | M2x0.4    | P2       | 5P | 7   | 100        | 9    | 6   | 5   | 2.5 | 5  | 2             |
| TCS01-VK-L-1-M2.5x0.45-80  | M2.5x0.45 | P2       | 5P | 7   | 80         | 9    | 6   | 5   | 2.5 | 5  | 2             |
| TCS01-VK-L-1-M2.5x0.45-100 | M2.5x0.45 | P2       | 5P | 7   | 100        | 9    | 6   | 5   | 2.5 | 5  | 2             |
| TCS01-VK-L-1-M3x0.5-80     | M3x0.5    | P2       | 5P | 7   | 80         | 12   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M3x0.5-100    | M3x0.5    | P2       | 5P | 7   | 100        | 12   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M3x0.5-120    | M3x0.5    | P2       | 5P | 7   | 120        | 12   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M3x0.5-150    | M3x0.5    | P2       | 5P | 7   | 150        | 12   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M3.5x0.6-80   | M3.5x0.6  | P2       | 5P | 7   | 80         | 13   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M3.5x0.6-100  | M3.5x0.6  | P2       | 5P | 7   | 100        | 13   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M3.5x0.6-120  | M3.5x0.6  | P2       | 5P | 7   | 120        | 13   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M3.5x0.6-150  | M3.5x0.6  | P2       | 5P | 7   | 150        | 13   | 7   | 4   | 3.2 | 6  | 3             |
| TCS01-VK-L-1-M4x0.7-P2-80  | M4x0.7    | P2       | 5P | 7   | 80         | 14   | 7   | 5   | 4   | 7  | 3             |
| TCS01-VK-L-1-M4x0.7-100    | M4x0.7    | P2       | 5P | 7   | 100        | 14   | 7   | 5   | 4   | 7  | 3             |
| TCS01-VK-L-1-M4x0.7-120    | M4x0.7    | P2       | 5P | 7   | 120        | 14   | 7   | 5   | 4   | 7  | 3             |
| TCS01-VK-L-1-M4x0.7-150    | M4x0.7    | P2       | 5P | 7   | 150        | 14   | 7   | 5   | 4   | 7  | 3             |
| TCS01-VK-L-1-M5x0.8-80     | M5x0.8    | P2       | 5P | 7   | 80         | 16   | 9   | 5.5 | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M5x0.8-100    | M5x0.8    | P2       | 5P | 7   | 100        | 16   | 9   | 5.5 | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M5x0.8-120    | M5x0.8    | P2       | 5P | 7   | 120        | 16   | 9   | 5.5 | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M5x0.8-150    | M5x0.8    | P2       | 5P | 7   | 150        | 16   | 9   | 5.5 | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M6x1-80       | M6x1      | P2       | 5P | 7   | 80         | 19.5 | 9.5 | 6   | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M6x1-100      | M6x1      | P2       | 5P | 7   | 100        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M6x1-120      | M6x1      | P2       | 5P | 7   | 120        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M6x1-150      | M6x1      | P2       | 5P | 7   | 150        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3             |
| TCS01-VK-L-1-M7x1-100      | M7x1      | P3       | 5P | 7   | 100        | 13   | 10  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M7x1-120      | M7x1      | P3       | 5P | 7   | 120        | 13   | 10  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M7x1-150      | M7x1      | P3       | 5P | 7   | 150        | 13   | 10  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M8x1.25-100   | M8x1.25   | P3       | 5P | 5   | 100        | 22   | 15  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M8x1.25-120   | M8x1.25   | P3       | 5P | 5   | 120        | 22   | 15  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M8x1.25-150   | M8x1.25   | P3       | 5P | 5   | 150        | 22   | 15  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M8x1-100      | M8x1      | P3       | 5P | 5   | 100        | 22   | 15  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M8x1-120      | M8x1      | P3       | 5P | 5   | 120        | 22   | 15  | 6.2 | 5   | 8  | 3             |
| TCS01-VK-L-1-M8x1-150      | M8x1      | P3       | 5P | 5   | 150        | 22   | 15  | 6.2 | 5   | 8  | 3             |

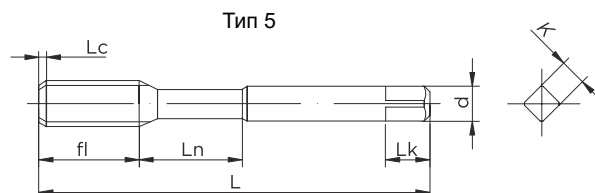
Метчики из быстрорежущей стали



# Метчик с прямыми канавками, подточкой заборного конуса и удлиненным хвостовиком для сквозных отверстий

Серия TCS01-VK-L-1

HSS-PM M Coating TiCN-AL JIS HRC ≤30



| Обозначение               | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|---------------------------|----------|----------|----|-----|------------|----|----|------|-----|----|------------------|
|                           |          |          |    |     | L          | fl | Ln | d    | K   | Lk |                  |
| TCS01-VK-L-1-M10x1.5-100  | M10x1.5  | P4       | 5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1.5-120  | M10x1.5  | P4       | 5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1.5-150  | M10x1.5  | P4       | 5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1.25-100 | M10x1.25 | P3       | 5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1.25-120 | M10x1.25 | P3       | 5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1.25-150 | M10x1.25 | P3       | 5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1-150    | M10x1    | P3       | 5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1-120    | M10x1    | P3       | 5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M10x1-150    | M10x1    | P3       | 5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCS01-VK-L-1-M12x1.75-100 | M12x1.75 | P4       | 5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.75-120 | M12x1.75 | P4       | 5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.75-150 | M12x1.75 | P4       | 5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.5-100  | M12x1.5  | P4       | 5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.5-120  | M12x1.5  | P4       | 5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.5-150  | M12x1.5  | P4       | 5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.25-100 | M12x1.25 | P4       | 5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.25-120 | M12x1.25 | P4       | 5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1.25-150 | M12x1.25 | P4       | 5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1-100    | M12x1    | P3       | 5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1-120    | M12x1    | P3       | 5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M12x1-150    | M12x1    | P3       | 5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCS01-VK-L-1-M14x2-120    | M14x2    | P5       | 5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M14x2-150    | M14x2    | P5       | 5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M14x1.5-120  | M14x1.5  | P4       | 5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M14x1.5-150  | M14x1.5  | P4       | 5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M14x1.25-120 | M14x1.25 | P4       | 5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M14x1.25-150 | M14x1.25 | P4       | 5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M14x1-120    | M14x1    | P3       | 5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M14x1-150    | M14x1    | P3       | 5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCS01-VK-L-1-M16x2-120    | M16x2    | P5       | 5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCS01-VK-L-1-M16x2-150    | M16x2    | P5       | 5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCS01-VK-L-1-M16x1.5-120  | M16x1.5  | P4       | 5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCS01-VK-L-1-M16x1.5-150  | M16x1.5  | P4       | 5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCS01-VK-L-1-M16x1.25-120 | M16x1.25 | P4       | 5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCS01-VK-L-1-M16x1.25-150 | M16x1.25 | P4       | 5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCS01-VK-L-1-M16x1-120    | M16x1    | P3       | 5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCS01-VK-L-1-M16x1-150    | M16x1    | P3       | 5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |

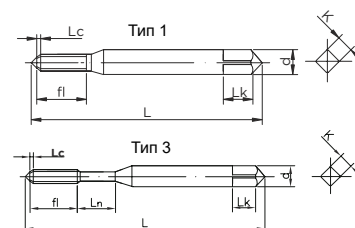


# Метчик с прямыми канавками, длинной режущей частью для сквозных отверстий

Серия TCS01-LC-1



HSS-PM M Coating YC-200 JIS HRC ≤48



| Обозначение          | Резьба    | Точность | Lc | Тип | Размер, мм |    |    |   |     |    | Кол-во<br>зубьев |
|----------------------|-----------|----------|----|-----|------------|----|----|---|-----|----|------------------|
|                      |           |          |    |     | L          | fl | Ln | d | K   | Lk |                  |
| TCS01-LC-1-M1.6x0.35 | M1.6x0.35 | P1       | 5P | 1   | 37         | 8  | -  | 3 | 2.5 | 3  | 2                |
| TCS01-LC-1-M1.8x0.35 | M1.8x0.35 | P2       | 5P | 1   | 37         | 8  | -  | 3 | 2.5 | 3  | 2                |
| TCS01-LC-1-M2x0.4    | M2x0.4    | P2       | 5P | 1   | 45         | 11 | -  | 3 | 2.5 | 3  | 2                |
| TCS01-LC-1-M2.2x0.45 | M2.2x0.45 | P2       | 5P | 1   | 45         | 12 | -  | 3 | 2.5 | 3  | 2                |
| TCS01-LC-1-M2.5x0.45 | M2.5x0.45 | P2       | 5P | 1   | 45         | 12 | -  | 3 | 2.5 | 3  | 2                |
| TCS01-LC-1-M3x0.5    | M3x0.5    | P2       | 5P | 3   | 50         | 12 | 7  | 4 | 3.2 | 6  | 3                |
| TCS01-LC-1-M4x0.7    | M4x0.7    | P2       | 5P | 3   | 57         | 14 | 7  | 5 | 4   | 7  | 3                |

Метчики из быстрорежущей стали

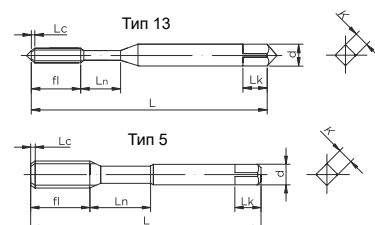


# Метчик с левыми спиральными канавками и удлиненным заборным конусом для сквозных отверстий

Серия TCL01-LK-1



HSS-PM M ISO 6HX DIN HRC ≤35 Coating



| Обозначение         | Резьба   | Точность | Lc  | Тип | Размер, мм |    |    |    |     |    |
|---------------------|----------|----------|-----|-----|------------|----|----|----|-----|----|
|                     |          |          |     |     | L          | fl | Ln | d  | K   | Lk |
| TCL01-LK-1-M6x1     | M6x1     | 6HX      | 7.5 | 13  | 80         | 10 | 20 | 6  | 4.9 | 8  |
| TCL01-LK-1-M7x1     | M7x1     | 6HX      | 7.5 | 13  | 80         | 10 | 20 | 7  | 5.5 | 8  |
| TCL01-LK-1-M8x1.25  | M8x1.25  | 6HX      | 7.5 | 5   | 90         | 13 | 22 | 8  | 6.2 | 9  |
| TCL01-LK-1-M8x1     | M8x1     | 6HX      | 7.5 | 5   | 90         | 13 | 22 | 8  | 6.2 | 9  |
| TCL01-LK-1-M10x1.5  | M10x1.5  | 6HX      | 7.5 | 5   | 100        | 15 | 24 | 10 | 8   | 11 |
| TCL01-LK-1-M10x1.25 | M10x1.25 | 6HX      | 7.5 | 5   | 100        | 15 | 24 | 10 | 8   | 11 |
| TCL0107P-M10x1      | M10x1    | 6HX      | 7.5 | 5   | 100        | 15 | 24 | 10 | 8   | 11 |
| TCL0107P-M12x1.75   | M12x1.75 | 6HX      | 7.5 | 5   | 110        | 17 | 32 | 9  | 7   | 10 |
| TCL01-LK-1-M12x1.5  | M12x1.5  | 6HX      | 7.5 | 5   | 110        | 17 | 32 | 9  | 7   | 10 |
| TCL01-LK-1-M12x1.25 | M12x1.25 | 6HX      | 7.5 | 5   | 110        | 17 | 32 | 9  | 7   | 10 |
| TCL01-LK-1-M12x1    | M12x1    | 6HX      | 7.5 | 5   | 110        | 17 | 32 | 9  | 7   | 10 |
| TCL01-LK-1-M14x2    | M14x2    | 6HX      | 7.5 | 5   | 110        | 20 | 33 | 11 | 9   | 12 |
| TCL01-LK-1-M14x1.5  | M14x1.5  | 6HX      | 7.5 | 5   | 110        | 20 | 33 | 11 | 9   | 12 |
| TCL01-LK-1-M14x1.25 | M14x1.25 | 6HX      | 7.5 | 5   | 110        | 20 | 33 | 11 | 9   | 12 |
| TCL01-LK-1-M14x1    | M14x1    | 6HX      | 7.5 | 5   | 110        | 20 | 33 | 11 | 9   | 12 |
| TCL01-LK-1-M16x2    | M16x2    | 6HX      | 7.5 | 5   | 110        | 20 | 34 | 12 | 9   | 12 |
| TCL01-LK-1-M16x1.5  | M16x1.5  | 6HX      | 7.5 | 5   | 110        | 20 | 34 | 12 | 9   | 12 |
| TCL01-LK-1-M16x1.25 | M16x1.25 | 6HX      | 7.5 | 5   | 110        | 20 | 34 | 12 | 9   | 12 |
| TCL01-LK-1-M16x1    | M16x1    | 6HX      | 7.5 | 5   | 110        | 20 | 34 | 12 | 9   | 12 |

Метчики из быстрорежущей стали



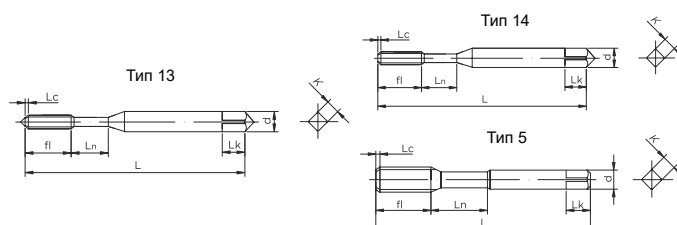
**Метчики**  
**из быстрорежущей стали**  
для обработки  
нержавеющей стали



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS02-SC-L-1/2

HSS-PM M ISO 6HX DIN Coating Futura HRC 38



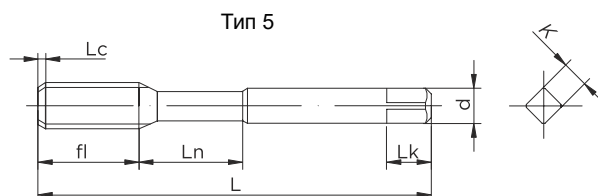
| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |
| TFS02-SC-L-1-M4x0.7   | M4x0.7   | 6HX      | 4P   | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS02-SC-L-2-M4x0.7   | M4x0.7   | 6HX      | 2.5P | 14  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS02-SC-L-1-M5x0.8   | M5x0.8   | 6HX      | 4P   | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS02-SC-L-2-M5x0.8   | M5x0.8   | 6HX      | 2.5P | 14  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS02-SC-L-1-M6x1     | M6x1     | 6HX      | 4P   | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS02-SC-L-2-M6x1     | M6x1     | 6HX      | 2.5P | 14  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS02-SC-L-1-M7x1     | M7x1     | 6HX      | 4P   | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS02-SC-L-2-M7x1     | M7x1     | 6HX      | 2.5P | 14  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS02-SC-L-1-M8x1.25  | M8x1.25  | 6HX      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS02-SC-L-2-M8x1.25  | M8x1.25  | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS02-SC-L-1-M8x1     | M8x1     | 6HX      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS02-SC-L-2-M8x1     | M8x1     | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS02-SC-L-1-M10x1.5  | M10x1.5  | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS02-SC-L-2-M10x1.5  | M10x1.5  | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS02-SC-L-1-M10x1.25 | M10x1.25 | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS02-SC-L-2-M10x1.25 | M10x1.25 | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS02-SC-L-2-M10x1    | M10x1    | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS02-SC-L-2-M10x1    | M10x1    | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS02-SC-L-1-M12x1.75 | M12x1.75 | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-2-M12x1.75 | M12x1.75 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-1-M12x1.5  | M12x1.5  | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-2-M12x1.5  | M12x1.5  | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-1-M12x1.25 | M12x1.25 | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-2-M12x1.25 | M12x1.25 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-1-M12x1    | M12x1    | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-2-M12x1    | M12x1    | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS02-SC-L-1-M14x2    | M14x2    | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS02-SC-L-2-M14x2    | M14x2    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS02-SC-L-1-M14x1.5  | M14x1.5  | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS02-SC-L-2-M14x1.5  | M14x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS02-SC-L-1-M14x1.25 | M14x1.25 | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS02-SC-L-2-M14x1.25 | M14x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS02-SC-L-1-M14x1    | M14x1    | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS02-SC-L-2-M14x1    | M14x1    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS02-SC-L-1/2



| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    |
|-----------------------|----------|----------|------|-----|------------|----|----|----|------|----|
|                       |          |          |      |     | L          | fl | Ln | d  | K    | Lk |
| TFS02-SC-L-1-M16x2    | M16x2    | 6HX      | 4P   | 13  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-2-M16x2    | M16x2    | 6HX      | 2.5P | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-1-M16x1.5  | M16x1.5  | 6HX      | 4P   | 13  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-2-M16x1.5  | M16x1.5  | 6HX      | 2.5P | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-1-M16x1.25 | M16x1.25 | 6HX      | 4P   | 13  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-2-M16x1.25 | M16x1.25 | 6HX      | 2.5P | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-1-M16x1    | M16x1    | 6HX      | 4P   | 13  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-2-M16x1    | M16x1    | 6HX      | 2.5P | 14  | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS02-SC-L-1-M18x2.5  | M18x2.5  | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS02-SC-L-2-M18x2.5  | M18x2.5  | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS02-SC-L-1-M18x2    | M18x2    | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS02-SC-L-2-M18x2    | M18x2    | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS02-SC-L-1-M18x1.5  | M18x1.5  | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS02-SC-L-2-M18x1.5  | M18x1.5  | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS02-SC-L-1-M20x2.5  | M20x2.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS02-SC-L-2-M20x2.5  | M20x2.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS02-SC-L-1-M20x2    | M20x2    | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS02-SC-L-2-M20x2    | M20x2    | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS02-SC-L-1-M20x1.5  | M20x1.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS02-SC-L-2-M20x1.5  | M20x1.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS02-SC-L-1-M22x2.5  | M22x2.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS02-SC-L-2-M22x2.5  | M22x2.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS02-SC-L-1-M22x2    | M22x2    | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS02-SC-L-2-M22x2    | M22x2    | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS02-SC-L-1-M22x1.5  | M22x1.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS02-SC-L-2-M22x1.5  | M22x1.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS02-SC-L-1-M24x3    | M24x3    | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS02-SC-L-2-M24x3    | M24x3    | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS02-SC-L-1-M24x2.5  | M24x2.5  | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS02-SC-L-2-M24x2.5  | M24x2.5  | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS02-SC-L-1-M24x2    | M24x2    | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS02-SC-L-2-M24x2    | M24x2    | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |

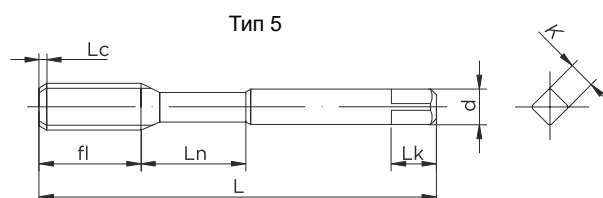
Метчики из быстрорежущей стали





# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS02-SC-L-1/2



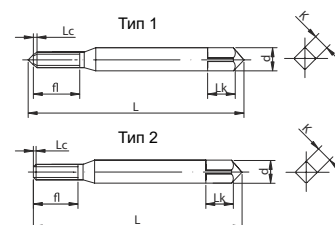
| Обозначение          | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |    |    |
|----------------------|---------|----------|------|-----|------------|----|----|----|----|----|
|                      |         |          |      |     | L          | fl | Ln | d  | K  | Lk |
| TFS02-SC-L-1-M27x2.5 | M27x2.5 | 6HX      | 4P   | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS02-SC-L-2-M27x2.5 | M27x2.5 | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS02-SC-L-1-M27x2   | M27x2   | 6HX      | 4P   | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS02-SC-L-2-M27x2   | M27x2   | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS02-SC-L-1-M30x3.5 | M30x3.5 | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS02-SC-L-2-M30x3.5 | M30x3.5 | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS02-SC-L-1-M30x3   | M30x3   | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS02-SC-L-2-M30x3   | M30x3   | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS02-SC-L-1-M30x2.5 | M30x2.5 | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS02-SC-L-2-M30x2.5 | M30x2.5 | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS02-SC-L-1-M30x2   | M30x2   | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS02-SC-L-2-M30x2   | M30x2   | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками и длинной формирующей частью

Серия TFS02-LC-1/2



| Обозначение          | Резьба    | Точность | Lc | Тип | Размер, мм |     |    |     |     |    | Кол-во зубьев |
|----------------------|-----------|----------|----|-----|------------|-----|----|-----|-----|----|---------------|
|                      |           |          |    |     | L          | fl  | Ln | d   | K   | Lk |               |
| TFS02-LC-1-M1x0.25   | M1x0.25   | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M1x0.25   | M1x0.25   | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M1.2x0.25 | M1.2x0.25 | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M1.2x0.25 | M1.2x0.25 | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M1.4x0.3  | M1.4x0.3  | RH4      | 4P | 1   | 37         | 6.5 | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M1.4x0.3  | M1.4x0.3  | RH4      | 2P | 2   | 36         | 6.5 | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M1.6x0.35 | M1.6x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M1.6x0.35 | M1.6x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M1.7x0.35 | M1.7x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M1.7x0.35 | M1.7x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M2x0.4    | M2x0.4    | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M2x0.4    | M2x0.4    | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M2.3x0.4  | M2.3x0.4  | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M2.3x0.4  | M2.3x0.4  | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M2.5x0.45 | M2.5x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M2.5x0.45 | M2.5x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M2.6x0.45 | M2.6x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-2-M2.6x0.45 | M2.6x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS02-LC-1-M3x0.5    | M3x0.5    | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS02-LC-2-M3x0.5    | M3x0.5    | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS02-LC-1-M3.5x0.6  | M3.5x0.6  | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS02-LC-2-M3.5x0.6  | M3.5x0.6  | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS02-LC-1-M4x0.7    | M4x0.7    | RH7      | 4P | 1   | 57         | 18  | -  | 5   | 4   | 7  | -             |
| TFS02-LC-2-M4x0.7    | M4x0.7    | RH7      | 2P | 2   | 55         | 18  | -  | 5   | 4   | 7  | -             |
| TFS02-LC-1-M5x0.8    | M5x0.8    | RH7      | 4P | 1   | 66         | 20  | -  | 5.5 | 4.5 | 7  | -             |
| TFS02-LC-2-M5x0.8    | M5x0.8    | RH7      | 2P | 2   | 63.5       | 20  | -  | 5.5 | 4.5 | 7  | -             |
| TFS02-LC-1-M6x1      | M6x1      | RH7      | 4P | 1   | 69         | 27  | -  | 6   | 4.5 | 7  | 2             |
| TFS02-LC-2-M6x1      | M6x1      | RH7      | 2P | 2   | 66.5       | 27  | -  | 6   | 4.5 | 7  | 2             |

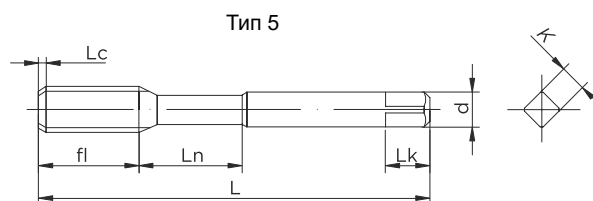
Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками и короткой формирующей частью

Серия TFS02-SC-1/2

HSS-PM M   Coating YC-200 JIS



| Обозначение         | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во зубьев |
|---------------------|----------|----------|----|-----|------------|----|----|------|-----|----|---------------|
|                     |          |          |    |     | L          | fl | Ln | d    | K   | Lk |               |
| TFS02-SC-1-M7x1     | M7x1     | RH7      | 4P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2             |
| TFS02-SC-2-M7x1     | M7x1     | RH7      | 2P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2             |
| TFS02-SC-1-M8x1.25  | M8x1.25  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS02-SC-2-M8x1.25  | M8x1.25  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS02-SC-1-M10x1.5  | M10x1.5  | RH8      | 4P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6             |
| TFS02-SC-2-M10x1.5  | M10x1.5  | RH8      | 2P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6             |
| TFS02-LC-1-M12x1.75 | M12x1.75 | RH9      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS02-SC-2-M12x1.75 | M12x1.75 | RH9      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS02-SC-1-M14x2    | M14x2    | RH10     | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-SC-2-M14x2    | M14x2    | RH10     | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-SC-1-M16x2    | M16x2    | RH10     | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS02-SC-2-M16x2    | M16x2    | RH10     | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |

Метчики из быстрорежущей стали

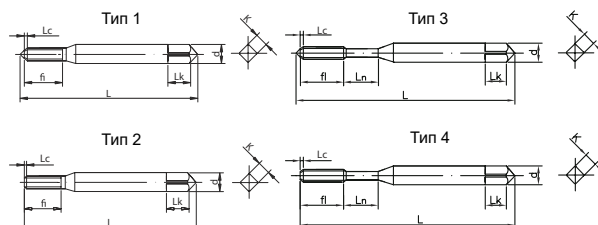


# Метчик-раскатчик с прямыми канавками и мелким шагом

Серия TFS02-M-1/2



HSS-PM M Coating YC-200 JIS



| Обозначение        | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |     |     |    | Кол-во зубьев |
|--------------------|----------|----------|----|-----|------------|----|----|-----|-----|----|---------------|
|                    |          |          |    |     | L          | fl | Ln | d   | K   | Lk |               |
| TFS02-M-1-M1x0.2   | M1x0.2   | RH4      | 4P | 1   | 32         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-2-M1x0.2   | M1x0.2   | RH4      | 2P | 2   | 31         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-1-M1.2x0.2 | M1.2x0.2 | RH4      | 4P | 1   | 32         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-2-M1.2x0.2 | M1.2x0.2 | RH4      | 2P | 2   | 31         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-1-M1.4x0.2 | M1.4x0.2 | RH4      | 4P | 1   | 37         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-2-M1.4x0.2 | M1.4x0.2 | RH4      | 2P | 2   | 36         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-1-M1.6x0.2 | M1.6x0.2 | RH4      | 4P | 1   | 37         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-2-M1.6x0.2 | M1.6x0.2 | RH4      | 2P | 2   | 36         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-1-M2x0.25  | M2x0.25  | RH4      | 4P | 6   | 45         | 4  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-2-M2x0.25  | M2x0.25  | RH4      | 2P | 6   | 43.5       | 4  | -  | 3   | 2.5 | 3  | -             |
| TFS02-M-1-M3x0.35  | M3x0.35  | RH4      | 4P | 5   | 50         | 6  | 8  | 4   | 3.2 | 6  | -             |
| TFS02-M-2-M3x0.35  | M3x0.35  | RH4      | 2P | 5   | 48         | 6  | 8  | 4   | 3.2 | 6  | -             |
| TFS02-M-1-M4x0.5   | M4x0.5   | RH7      | 4P | 5   | 57         | 8  | 8  | 5   | 4   | 7  | -             |
| TFS02-M-2-M4x0.5   | M4x0.5   | RH7      | 2P | 5   | 55         | 8  | 8  | 5   | 4   | 7  | -             |
| TFS02-M-1-M5x0.5   | M5x0.5   | RH7      | 4P | 5   | 66         | 8  | 8  | 5.5 | 4.5 | 7  | -             |
| TFS02-M-2-M5x0.5   | M5x0.5   | RH7      | 2P | 5   | 64         | 8  | 8  | 5.5 | 4.5 | 7  | -             |
| TFS02-M-1-M6x0.5   | M6x0.5   | RH7      | 4P | 5   | 69         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS02-M-2-M6x0.5   | M6x0.5   | RH7      | 2P | 5   | 66         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS02-M-1-M6x0.75  | M6x0.75  | RH7      | 4P | 5   | 69         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS02-M-2-M6x0.75  | M6x0.75  | RH7      | 2P | 5   | 66         | 12 | 12 | 6   | 4.5 | 7  | 2             |

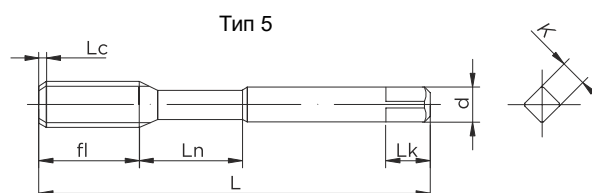
Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками и мелким шагом

Серия TFS02-M-1/2

HSS-PM M   Coating YC-200 JIS



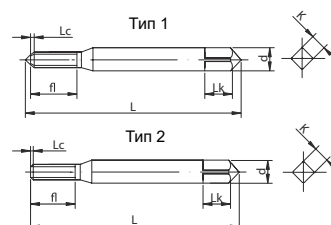
| Обозначение        | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во зубьев |
|--------------------|----------|----------|----|-----|------------|----|----|------|-----|----|---------------|
|                    |          |          |    |     | L          | fl | Ln | d    | K   | Lk |               |
| TFS02-M-1-M8x1     | M8x1     | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS02-M-2-M8x1     | M8x1     | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS02-M-1-M8x0.75  | M8x0.75  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS02-M-2-M8x0.75  | M8x0.75  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS02-M-1-M10x1.25 | M10x1.25 | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS02-M-2-M10x1.25 | M10x1.25 | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS02-M-1-M10x1    | M10x1    | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS02-M-2-M10x1    | M10x1    | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS02-M-1-M10x0.75 | M10x0.75 | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS02-M-2-M10x0.75 | M10x0.75 | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS02-M-1-M12x1.5  | M12x1.5  | RH8      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS02-M-2-M12x1.5  | M12x1.5  | RH8      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS02-M-1-M12x1.25 | M12x1.25 | RH7      | 4P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS02-M-2-M12x1.25 | M12x1.25 | RH7      | 2P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS02-M-1-M12x1    | M12x1    | RH7      | 4P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS02-M-2-M12x1    | M12x1    | RH7      | 2P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS02-M-1-M14x1.5  | M14x1.5  | RH8      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-M-2-M14x1.5  | M14x1.5  | RH8      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-M-1-M14x1.25 | M14x1.25 | RH7      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-M-2-M14x1.25 | M14x1.25 | RH7      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-M-1-M14x1    | M14x1    | RH7      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-M-2-M14x1    | M14x1    | RH7      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS02-M-1-M16x1.5  | M16x1.5  | RH8      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS02-M-2-M16x1.5  | M16x1.5  | RH8      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS02-M-1-M16x1.25 | M16x1.25 | RH7      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS02-M-2-M16x1.25 | M16x1.25 | RH7      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS02-M-1-M16x1    | M16x1    | RH7      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS02-M-2-M16x1    | M16x1    | RH7      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |

Метчики из быстрорежущей стали



# Метчик-раскатчик с левой резьбой, прямыми канавками и длинной формирующей частью

Серия TFS02-LC-1/2-LH



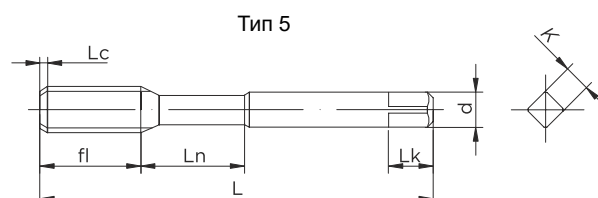
| Обозначение             | Резьба    | Точность | Lc | Тип | Размер, мм |     |    |     |     |    | Кол-во<br>зубьев |
|-------------------------|-----------|----------|----|-----|------------|-----|----|-----|-----|----|------------------|
|                         |           |          |    |     | L          | fl  | Ln | d   | K   | Lk |                  |
| TFS02-LC-1-M1x0.25-LH   | M1x0.25   | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M1x0.25-LH   | M1x0.25   | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M1.2x0.25-LH | M1.2x0.25 | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M1.2x0.25-LH | M1.2x0.25 | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M1.4x0.3-LH  | M1.4x0.3  | RH4      | 4P | 1   | 37         | 6.5 | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M1.4x0.3-LH  | M1.4x0.3  | RH4      | 2P | 2   | 36         | 6.5 | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M1.6x0.35-LH | M1.6x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M1.6x0.35-LH | M1.6x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M1.7x0.35-LH | M1.7x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M1.7x0.35-LH | M1.7x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M2x0.4-LH    | M2x0.4    | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M2x0.4-LH    | M2x0.4    | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M2.3x0.4-LH  | M2.3x0.4  | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M2.3x0.4-LH  | M2.3x0.4  | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M2.5x0.45-LH | M2.5x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M2.5x0.45-LH | M2.5x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M2.6x0.45-LH | M2.6x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-2-M2.6x0.45-LH | M2.6x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -                |
| TFS02-LC-1-M3x0.5-LH    | M3x0.5    | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFS02-LC-2-M3x0.5-LH    | M3x0.5    | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFS02-LC-1-M3.5x0.6-LH  | M3.5x0.6  | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFS02-LC-2-M3.5x0.6-LH  | M3.5x0.6  | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFS02-LC-1-M4x0.7-LH    | M4x0.7    | RH7      | 4P | 1   | 57         | 18  | -  | 5   | 4   | 7  | -                |
| TFS02-LC-2-M4x0.7-LH    | M4x0.7    | RH7      | 2P | 2   | 55         | 18  | -  | 5   | 4   | 7  | -                |
| TFS02-LC-1-M5x0.8-LH    | M5x0.8    | RH7      | 4P | 1   | 66         | 20  | -  | 5.5 | 4.5 | 7  | -                |
| TFS02-LC-2-M5x0.8-LH    | M5x0.8    | RH7      | 2P | 2   | 63.5       | 20  | -  | 5.5 | 4.5 | 7  | -                |
| TFS02-LC-1-M6x1-LH      | M6x1      | RH7      | 4P | 1   | 69         | 27  | -  | 6   | 4.5 | 7  | 2                |
| TFS02-LC-2-M6x1-LH      | M6x1      | RH7      | 2P | 2   | 66.5       | 27  | -  | 6   | 4.5 | 7  | 2                |

Метчики из быстрорежущей стали



# Метчик-раскатник с левой резьбой, прямыми канавками и короткой формирующей частью

Серия TFS02-SC-1/2-LH



| Обозначение            | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|------------------------|----------|----------|----|-----|------------|----|----|------|-----|----|------------------|
|                        |          |          |    |     | L          | fl | Ln | d    | K   | Lk |                  |
| TFS02-SC-1-M7x1-LH     | M7x1     | RH7      | 4P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFS02-SC-2-M7x1-LH     | M7x1     | RH7      | 2P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFS02-SC-1-M8x1.25-LH  | M8x1.25  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFS02-SC-2-M8x1.25-LH  | M8x1.25  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFS02-SC-1-M10x1.5-LH  | M10x1.5  | RH8      | 4P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFS02-SC-2-M10x1.5-LH  | M10x1.5  | RH8      | 2P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFS02-SC-1-M12x1.75-LH | M12x1.75 | RH9      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS02-SC-2-M12x1.75-LH | M12x1.75 | RH9      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS02-SC-1-M14x2-LH    | M14x2    | RH10     | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS02-SC-2-M14x2-LH    | M14x2    | RH10     | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS02-SC-1-M16x2-LH    | M16x2    | RH10     | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS02-SC-2-M16x2-LH    | M16x2    | RH10     | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |

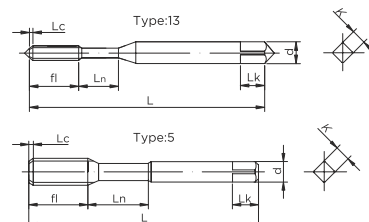
Метчики из быстрорежущей стали



# Метчик с правыми спиральными канавками, короткой режущей частью и удлиненным хвостовиком

Серия TCR02-SC-L-3

HSS-PM M ISO 6HX DIN Coating Futura HRC 38



| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |
| TCR02-SC-L-3-M4x0.7   | M4x0.7   | 6HX      | 2.5P | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TCR02-SC-L-3-M5x0.8   | M5x0.8   | 6HX      | 2.5P | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TCR02-SC-L-3-M6x1     | M6x1     | 6HX      | 2.5P | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TCR02-SC-L-3-M7x1     | M7x1     | 6HX      | 2.5P | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TCR02-SC-L-3-M8x1.25  | M8x1.25  | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCR02-SC-L-3-M8x1     | M8x1     | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCR02-SC-L-3-M10x1.5  | M10x1.5  | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCR02-SC-L-3-M10x1.25 | M10x1.25 | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCR02-SC-L-3-M10x1    | M10x1    | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCR02-SC-L-3-M12x1.75 | M12x1.75 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR02-SC-L-3-M12x1.5  | M12x1.5  | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR02-SC-L-3-M12x1.25 | M12x1.25 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR02-SC-L-3-M12x1    | M12x1    | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR02-SC-L-3-M14x2    | M14x2    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR02-SC-L-3-M14x1.5  | M14x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR02-SC-L-3-M14x1.25 | M14x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR02-SC-L-3-M14x1    | M14x1    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR02-SC-L-3-M16x2    | M16x2    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCR02-SC-L-3-M16x1.5  | M16x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCR02-SC-L-3-M16x1.25 | M16x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCR02-SC-L-3-M16x1    | M16x1    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |

Метчики из быстрорежущей стали

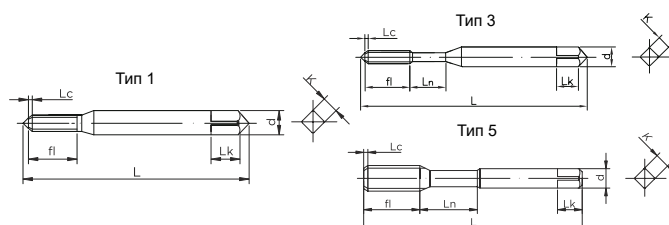




# Метчик с правыми спиральными канавками, углом спирали 45° и короткой режущей частью

Серия TCR02-SC-3-45

HSS-PM M Coating YC-200 JIS



| Обозначение             | Резьба    | Точность | Lc   | Тип | Размер, мм |     |    |      |     |    | Кол-во<br>зубьев |
|-------------------------|-----------|----------|------|-----|------------|-----|----|------|-----|----|------------------|
|                         |           |          |      |     | L          | fl  | Ln | d    | K   | Lk |                  |
| TCR02-SC-3-45-M1x0.25   | M1x0.25   | P1       | 1.5P | 1   | 37         | 4.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR02-SC-3-45-M1.2x0.25 | M1.2x0.25 | P1       | 1.5P | 1   | 37         | 5.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR02-SC-3-45-M1.4x0.3  | M1.4x0.3  | P1       | 1.5P | 1   | 37         | 6.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR02-SC-3-45-M1.6x0.35 | M1.6x0.35 | P1       | 1.5P | 1   | 37         | 8   | -  | 3    | 2.5 | 3  | 2                |
| TCR02-SC-3-45-M2x0.4    | M2x0.4    | P2       | 2.5P | 1   | 45         | 11  | -  | 3    | 2.5 | 3  | 2                |
| TCR02-SC-3-45-M2.5x0.45 | M2.5x0.45 | P2       | 2.5P | 1   | 45         | 12  | -  | 3    | 2.5 | 3  | 2                |
| TCR02-SC-3-45-M3x0.5    | M3x0.5    | P2       | 2.5P | 3   | 50         | 5   | 13 | 4    | 3.2 | 6  | 3                |
| TCR02-SC-3-45-M3.5x0.6  | M3.5x0.6  | P2       | 2.5P | 3   | 50         | 6   | 13 | 4    | 3.2 | 6  | 3                |
| TCR02-SC-3-45-M4x0.7    | M4x0.7    | P2       | 2.5P | 3   | 57         | 9   | 11 | 5    | 4   | 7  | 3                |
| TCR02-SC-3-45-M5x0.8    | M5x0.8    | P2       | 2.5P | 3   | 66         | 8   | 17 | 5.5  | 4.5 | 7  | 3                |
| TCR02-SC-3-45-M6x1      | M6x1      | P2       | 2.5P | 3   | 69         | 12  | 12 | 6    | 4.5 | 7  | 3                |
| TCR02-SC-3-45-M7x1      | M7x1      | P3       | 2.5P | 3   | 78         | 13  | 10 | 6.2  | 5   | 8  | 3                |
| TCR02-SC-3-45-M8x1.25   | M8x1.25   | P3       | 2.5P | 5   | 70         | 13  | 23 | 6.2  | 5   | 8  | 3                |
| TCR02-SC-3-45-M8x1      | M8x1      | P3       | 2.5P | 5   | 70         | 13  | 23 | 6.2  | 5   | 8  | 3                |
| TCR02-SC-3-45-M10x1.5   | M10x1.5   | P4       | 2.5P | 5   | 75         | 15  | 28 | 7    | 5.5 | 8  | 3                |
| TCR02-SC-3-45-M10x1.25  | M10x1.25  | P3       | 2.5P | 5   | 75         | 13  | 30 | 7    | 5.5 | 8  | 3                |
| TCR02-SC-3-45-M10x1     | M10x1     | P3       | 2.5P | 5   | 75         | 13  | 30 | 7    | 5.5 | 8  | 3                |
| TCR02-SC-3-45-M12x1.75  | M12x1.75  | P4       | 2.5P | 5   | 82         | 17  | 25 | 8.5  | 6.5 | 9  | 3                |
| TCR02-SC-3-45-M12x1.5   | M12x1.5   | P4       | 2.5P | 5   | 82         | 17  | 25 | 8.5  | 6.5 | 9  | 3                |
| TCR02-SC-3-45-M12x1.25  | M12x1.25  | P4       | 2.5P | 5   | 82         | 13  | 29 | 8.5  | 6.5 | 9  | 3                |
| TCR02-SC-3-45-M12x1     | M12x1     | P3       | 2.5P | 5   | 82         | 13  | 29 | 8.5  | 6.5 | 9  | 3                |
| TCR02-SC-3-45-M14x2     | M14x2     | P5       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-SC-3-45-M14x1.5   | M14x1.5   | P4       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-SC-3-45-M14x1.25  | M14x1.25  | P4       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-SC-3-45-M14x1     | M14x1     | P3       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-SC-3-45-M16x2     | M16x2     | P5       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-SC-3-45-M16x1.5   | M16x1.5   | P4       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-SC-3-45-M16x1.25  | M16x1.25  | P4       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-SC-3-45-M16x1     | M16x1     | P3       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |

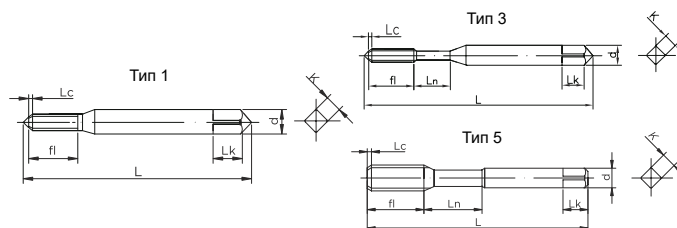
Метчики из быстрорежущей стали



# Метчик дюймовый с правыми спиральными канавками и углом спирали 45°

Серия TCR02-3-45-UNF/UNC

HSS-PM U Coating YC-200 JIS



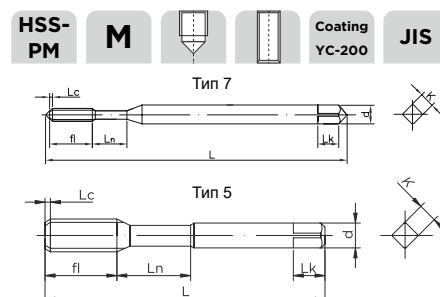
| Обозначение            | Резьба      | Точность | Lc   | Тип | Размер, мм |    |      |      |     |    | Кол-во<br>зубьев |
|------------------------|-------------|----------|------|-----|------------|----|------|------|-----|----|------------------|
|                        |             |          |      |     | L          | fl | Ln   | d    | K   | Lk |                  |
| TCR02-3-45-NO.0-80UNF  | NO.0-80UNF  | P1       | 1.5P | 1   | 37         | 10 | -    | 3    | 2.5 | 3  | 2                |
| TCR02-3-45-NO.1-64UNC  | NO.1-64UNC  | P1       | 1.5P | 1   | 37         | 11 | -    | 3    | 2.5 | 3  | 2                |
| TCR02-3-45-NO.2-56UNC  | NO.2-56UNC  | P1       | 2.5P | 1   | 45         | 12 | -    | 3    | 2.5 | 3  | 2                |
| TCR02-3-45-NO.3-48UNC  | NO.3-48UNC  | P1       | 2.5P | 1   | 45         | 14 | -    | 3    | 2.5 | 3  | 2                |
| TCR02-3-45-NO.4-40UNC  | NO.4-40UNC  | P2       | 2.5P | 3   | 45         | 6  | 10   | 3    | 2.5 | 3  | 3                |
| TCR02-3-45-NO.5-40UNC  | NO.5-40UNC  | P2       | 2.5P | 3   | 50         | 7  | 12   | 4    | 3.2 | 6  | 3                |
| TCR02-3-45-NO.6-32UNC  | NO.6-32UNC  | P2       | 2.5P | 3   | 50         | 8  | 12   | 4    | 3.2 | 6  | 3                |
| TCR02-3-45-NO.8-32UNC  | NO.8-32UNC  | P2       | 2.5P | 3   | 57         | 8  | 13.5 | 5    | 4   | 7  | 3                |
| TCR02-3-45-NO.10-24UNC | NO.10-24UNC | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR02-3-45-NO.10-32UNF | NO.10-32UNF | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR02-3-45-NO.12-24UNC | NO.12-24UNC | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR02-3-45-NO.12-28UNF | NO.12-28UNF | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR02-3-45-1/4-20UNC   | 1/4-20UNC   | P2       | 2.5P | 3   | 69         | 12 | 17   | 6    | 4.5 | 7  | 3                |
| TCR02-3-45-1/4-28UNF   | 1/4-28UNF   | P2       | 2.5P | 3   | 69         | 12 | 17   | 6    | 4.5 | 7  | 3                |
| TCR02-3-45-5/16-18UNC  | 5/16-18UNC  | P3       | 2.5P | 5   | 70         | 15 | 15   | 6.1  | 5   | 8  | 3                |
| TCR02-3-45-5/16-24UNF  | 5/16-24UNF  | P3       | 2.5P | 5   | 70         | 11 | 19   | 6.1  | 5   | 8  | 3                |
| TCR02-3-45-3/8-16UNC   | 3/8-16UNC   | P3       | 2.5P | 5   | 75         | 16 | 27   | 7    | 5.5 | 8  | 3                |
| TCR02-3-45-3/8-24UNF   | 3/8-24UNF   | P3       | 2.5P | 5   | 75         | 11 | 32   | 7    | 5.5 | 8  | 3                |
| TCR02-3-45-7/16-14UNC  | 7/16-14UNC  | P4       | 2.5P | 5   | 80         | 20 | 20   | 8    | 6   | 9  | 3                |
| TCR02-3-45-7/16-20UNF  | 7/16-20UNF  | P3       | 2.5P | 5   | 80         | 13 | 27   | 8    | 6   | 9  | 3                |
| TCR02-3-45-1/2-13UNC   | 1/2-13UNC   | P4       | 2.5P | 5   | 85         | 21 | 27   | 9    | 7   | 10 | 3                |
| TCR02-3-45-1/2-20UNF   | 1/2-20UNF   | P3       | 2.5P | 5   | 85         | 13 | 35   | 9    | 7   | 10 | 3                |
| TCR02-3-45-9/16-12UNC  | 9/16-12UNC  | P4       | 2.5P | 5   | 90         | 21 | 29   | 10.5 | 8   | 11 | 3                |
| TCR02-3-45-9/16-18UNF  | 9/16-18UNF  | P3       | 2.5P | 5   | 90         | 15 | 35   | 10.5 | 8   | 11 | 3                |
| TCR02-3-45-5/8-11UNC   | 5/8-11UNC   | P4       | 2.5P | 5   | 95         | 23 | 25   | 12   | 9   | 12 | 3                |
| TCR02-3-45-5/8-18UNF   | 5/8-18UNF   | P3       | 2.5P | 5   | 95         | 23 | 25   | 12   | 9   | 12 | 3                |

Метчики из быстрорежущей стали



# Метчик с правыми спиральными канавками, длинной режущей частью и удлиненным хвостовиком

Серия TCR02-LC-L-3



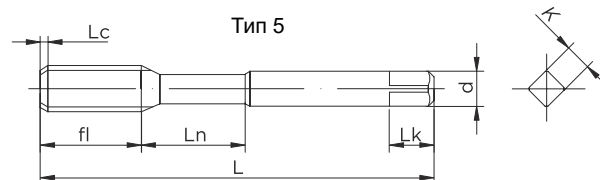
| Размер, мм                | Резьба    | Точность | Lc   | Тип | Размер, мм |      |     |     |     |    | Кол-во<br>зубьев |
|---------------------------|-----------|----------|------|-----|------------|------|-----|-----|-----|----|------------------|
|                           |           |          |      |     | L          | fl   | Ln  | d   | K   | Lk |                  |
| TCR02-LC-L-3-M2x0.4-80    | M2x0.4    | P2       | 2.5P | 7   | 80         | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR02-LC-L-3-M2x0.4-100   | M2x0.4    | P2       | 2.5P | 7   | 100        | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR02-LC-L-3-M2.5x0.5-80  | M2.5x0.45 | P2       | 2.5P | 7   | 80         | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR02-LC-L-3-M2.5x0.5-100 | M2.5x0.45 | P2       | 2.5P | 7   | 100        | 9    | 6   | 3   | 2.5 | 5  | 2                |
| TCR02-LC-L-3-M3x0.5-80    | M3x0.5    | P2       | 2.5P | 7   | 80         | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M3x0.5-100   | M3x0.5    | P2       | 2.5P | 7   | 100        | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M3x0.5-120   | M3x0.5    | P2       | 2.5P | 7   | 120        | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M3x0.5-150   | M3x0.5    | P2       | 2.5P | 7   | 150        | 12   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M3.5x0.6-80  | M3.5x0.6  | P2       | 2.5P | 7   | 80         | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M3.5x0.6-100 | M3.5x0.6  | P2       | 2.5P | 7   | 100        | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M3.5x0.6-120 | M3.5x0.6  | P2       | 2.5P | 7   | 120        | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M3.5x0.6-150 | M3.5x0.6  | P2       | 2.5P | 7   | 150        | 13   | 7   | 4   | 3.2 | 6  | 3                |
| TCR02-LC-L-3-M4x0.7-80    | M4x0.7    | P2       | 2.5P | 7   | 80         | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR02-LC-L-3-M4x0.7-100   | M4x0.7    | P2       | 2.5P | 7   | 100        | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR02-LC-L-3-M4x0.7-120   | M4x0.7    | P2       | 2.5P | 7   | 120        | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR02-LC-L-3-M4x0.7-150   | M4x0.7    | P2       | 2.5P | 7   | 150        | 14   | 7   | 5   | 4   | 7  | 3                |
| TCR02-LC-L-3-M5x0.8-80    | M5x0.8    | P2       | 2.5P | 7   | 80         | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M5x0.8-100   | M5x0.8    | P2       | 2.5P | 7   | 100        | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M5x0.8-120   | M5x0.8    | P2       | 2.5P | 7   | 120        | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M5x0.8-150   | M5x0.8    | P2       | 2.5P | 7   | 150        | 16   | 9   | 5.5 | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M6x1-80      | M6x1      | P2       | 2.5P | 7   | 80         | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M6x1-100     | M6x1      | P2       | 2.5P | 7   | 100        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M6x1-120     | M6x1      | P2       | 2.5P | 7   | 120        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M6x1-150     | M6x1      | P2       | 2.5P | 7   | 150        | 19.5 | 9.5 | 6   | 4.5 | 7  | 3                |
| TCR02-LC-L-3-M7x1-100     | M7x1      | P3       | 2.5P | 7   | 100        | 13   | 10  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M7x1-120     | M7x1      | P3       | 2.5P | 7   | 120        | 13   | 10  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M7x1-150     | M7x1      | P3       | 2.5P | 7   | 150        | 13   | 10  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M8x1.25-100  | M8x1.25   | P3       | 2.5P | 5   | 100        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M8x1.25-120  | M8x1.25   | P3       | 2.5P | 5   | 120        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M8x1.25-150  | M8x1.25   | P3       | 2.5P | 5   | 150        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M8x1-100     | M8x1      | P3       | 2.5P | 5   | 100        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M8x1-120     | M8x1      | P3       | 2.5P | 5   | 120        | 22   | 15  | 6.2 | 5   | 8  | 3                |
| TCR02-LC-L-3-M8x1-150     | M8x1      | P3       | 2.5P | 5   | 150        | 22   | 15  | 6.2 | 5   | 8  | 3                |

Метчики из быстрорежущей стали



# Метчик с правыми спиральными канавками, длинной режущей частью и удлиненным хвостовиком

Серия TCR02-LC-L-3



| Обозначение               | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|---------------------------|----------|----------|------|-----|------------|----|----|------|-----|----|------------------|
|                           |          |          |      |     | L          | fl | Ln | d    | K   | Lk |                  |
| TCR02-LC-L-3-M10x1.5-100  | M10x1.5  | P4       | 2.5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1.5-120  | M10x1.5  | P4       | 2.5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1.5-150  | M10x1.5  | P4       | 2.5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1.25-100 | M10x1.25 | P3       | 2.5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1.25-120 | M10x1.25 | P3       | 2.5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1.25-150 | M10x1.25 | P3       | 2.5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1-100    | M10x1    | P3       | 2.5P | 5   | 100        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1-120    | M10x1    | P3       | 2.5P | 5   | 120        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M10x1-150    | M10x1    | P3       | 2.5P | 5   | 150        | 24 | 19 | 7    | 5.5 | 8  | 3                |
| TCR02-LC-L-3-M12x1.75-100 | M12x1.75 | P4       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.75-120 | M12x1.75 | P4       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.75-150 | M12x1.75 | P4       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.5-100  | M12x1.5  | P4       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.5-120  | M12x1.5  | P4       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.5-150  | M12x1.5  | P4       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.25-100 | M12x1.25 | P4       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.25-120 | M12x1.25 | P4       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1.25-150 | M12x1.25 | P4       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1-100    | M12x1    | P3       | 2.5P | 5   | 100        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1-120    | M12x1    | P3       | 2.5P | 5   | 120        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M12x1-150    | M12x1    | P3       | 2.5P | 5   | 150        | 29 | 17 | 8.5  | 6.5 | 9  | 3                |
| TCR02-LC-L-3-M14x2-120    | M14x2    | P5       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M14x2-150    | M14x2    | P5       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M14x1.5-120  | M14x1.5  | P4       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M14x1.5-150  | M14x1.5  | P4       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M14x1.25-120 | M14x1.25 | P4       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M14x1.25-150 | M14x1.25 | P4       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M14x1-120    | M14x1    | P3       | 2.5P | 5   | 120        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M14x1-150    | M14x1    | P3       | 2.5P | 5   | 150        | 20 | 31 | 10.5 | 8   | 11 | 3                |
| TCR02-LC-L-3-M16x2-120    | M16x2    | P5       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-LC-L-3-M16x2-150    | M16x2    | P5       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-LC-L-3-M16x1.5-120  | M16x1.5  | P4       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-LC-L-3-M16x1.5-150  | M16x1.5  | P4       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-LC-L-3-M16x1.25-120 | M16x1.25 | P4       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-LC-L-3-M16x1.25-150 | M16x1.25 | P4       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-LC-L-3-M16x1-120    | M16x1    | P3       | 2.5P | 5   | 120        | 20 | 32 | 12.5 | 10  | 13 | 3                |
| TCR02-LC-L-3-M16x1-150    | M16x1    | P3       | 2.5P | 5   | 150        | 20 | 32 | 12.5 | 10  | 13 | 3                |

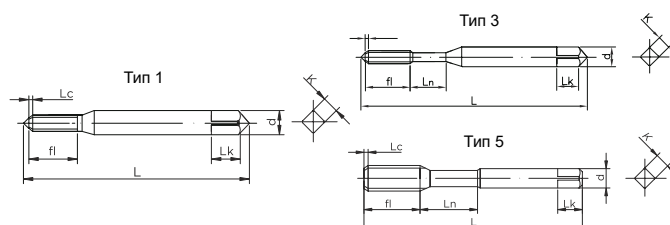
Метчики из быстрорежущей стали



# Метчик с прямыми канавками и подточкой заборного конуса для сквозных отверстий

Серия TCS02-VK-1

HSS-PM M Coating YC-200 JIS



| Обозначение          | Резьба    | Точность | Lc | Тип | Размер, мм |      |     |      |     |    | Кол-во зубьев |
|----------------------|-----------|----------|----|-----|------------|------|-----|------|-----|----|---------------|
|                      |           |          |    |     | L          | fl   | Ln  | d    | K   | Lk |               |
| TCS02-VK-1-M1x0.25   | M1x0.25   | P1       | 5P | 1   | 37         | 4.5  | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-M1.2x0.25 | M1.2x0.25 | P1       | 5P | 1   | 37         | 5.5  | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-M1.4x0.3  | M1.4x0.3  | P1       | 5P | 1   | 37         | 9    | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-M1.6x0.35 | M1.6x0.35 | P2       | 5P | 1   | 37         | 8    | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-M2x0.4    | M2x0.4    | P2       | 5P | 1   | 45         | 11   | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-M2.5x0.45 | M2.5x0.45 | P2       | 5P | 1   | 45         | 12   | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-M3x0.5    | M3x0.5    | P2       | 5P | 3   | 50         | 12   | 7   | 4    | 3.2 | 6  | 3             |
| TCS02-VK-1-M3.5x0.6  | M3.5x0.6  | P2       | 5P | 3   | 50         | 13   | 7   | 4    | 3.2 | 6  | 3             |
| TCS02-VK-1-M4x0.7    | M4x0.7    | P2       | 5P | 3   | 57         | 14   | 7   | 5    | 4   | 7  | 3             |
| TCS02-VK-1-M5x0.8    | M5x0.8    | P2       | 5P | 3   | 66         | 16   | 9   | 5.5  | 4.5 | 7  | 3             |
| TCS02-VK-1-M6x1      | M6x1      | P2       | 5P | 3   | 69         | 19.5 | 9.5 | 6    | 4.5 | 7  | 3             |
| TCS02-VK-1-M7x1      | M7x1      | P3       | 5P | 3   | 78         | 13   | 10  | 6.2  | 5   | 8  | 3             |
| TCS02-VK-1-M8x1.25   | M8x1.25   | P3       | 5P | 5   | 70         | 22   | 15  | 6.2  | 5   | 8  | 3             |
| TCS02-VK-1-M8x1      | M8x1      | P3       | 5P | 5   | 70         | 22   | 15  | 6.2  | 5   | 8  | 3             |
| TCS02-VK-1-M10x1.5   | M10x1.5   | P4       | 5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3             |
| TCS02-VK-1-M10x1.25  | M10x1.25  | P3       | 5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3             |
| TCS02-VK-1-M10x1     | M10x1     | P3       | 5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3             |
| TCS02-VK-1-M12x1.75  | M12x1.75  | P4       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCS02-VK-1-M12x1.5   | M12x1.5   | P4       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCS02-VK-1-M12x1.25  | M12x1.25  | P4       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCS02-VK-1-M12x1     | M12x1     | P3       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3             |
| TCS02-VK-1-M14x2     | M14x2     | P5       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCS02-VK-1-M14x1.5   | M14x1.5   | P4       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCS02-VK-1-M14x1.25  | M14x1.25  | P4       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCS02-VK-1-M14x1     | M14x1     | P3       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3             |
| TCS02-VK-1-M16x2     | M16x2     | P5       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3             |
| TCS02-VK-1-M16x1.5   | M16x1.5   | P4       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3             |
| TCS02-VK-1-M16x1.25  | M16x1.25  | P4       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3             |
| TCS02-VK-1-M16x1     | M16x1     | P3       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3             |

Метчики из быстрорежущей стали

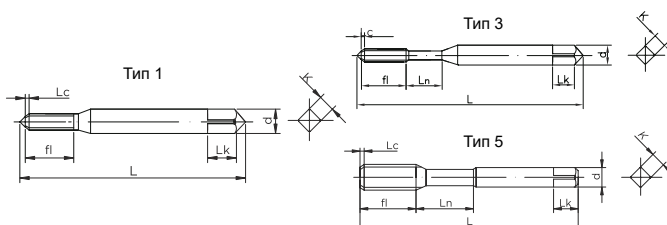


# Метчик дюймовый с прямыми канавками и подточкой заборного конуса для сквозных отверстий

Серия TCS02-VK-1-UNF/UNC



HSS-PM U Coating YC-200 JIS

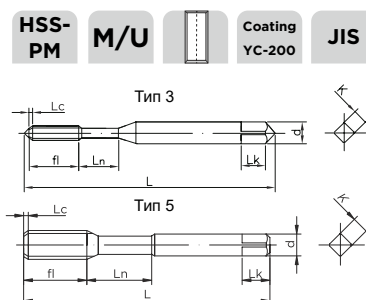


| Размер, мм             | Резьба      | Точность | Lc | Тип | Размер, мм |      |     |      |     |    | Кол-во зубьев |
|------------------------|-------------|----------|----|-----|------------|------|-----|------|-----|----|---------------|
|                        |             |          |    |     | L          | fl   | Ln  | d    | K   | Lk |               |
| TCS02-VK-1-NO.0-80UNF  | NO.0-80UNF  | P1       | 5P | 1   | 37         | 10   | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-NO.1-64UNC  | NO.1-64UNC  | P1       | 5P | 1   | 37         | 11   | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-NO.2-56UNC  | NO.2-56UNC  | P1       | 5P | 1   | 45         | 12   | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-NO.3-48UNC  | NO.3-48UNC  | P1       | 5P | 1   | 45         | 14   | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-NO.4-40UNC  | NO.4-40UNC  | P2       | 5P | 1   | 45         | 13   | -   | 3    | 2.5 | 3  | 2             |
| TCS02-VK-1-NO.5-40UNC  | NO.5-40UNC  | P2       | 5P | 3   | 50         | 12   | 7   | 4    | 3.2 | 6  | 3             |
| TCS02-VK-1-NO.6-32UNC  | NO.6-32UNC  | P2       | 5P | 3   | 50         | 13   | 7   | 4    | 3.2 | 6  | 3             |
| TCS02-VK-1-NO.8-32UNC  | NO.8-32UNC  | P2       | 5P | 3   | 57         | 13.5 | 8   | 5    | 4   | 7  | 3             |
| TCS02-VK-1-NO.10-24UNC | NO.10-24UNC | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS02-VK-1-NO.10-32UNF | NO.10-32UNF | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS02-VK-1-NO.12-24UNC | NO.12-24UNC | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS02-VK-1-NO.12-28UNF | NO.12-28UNF | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS02-VK-1-1/4-20UNC   | 1/4-20UNC   | P2       | 5P | 3   | 69         | 19.5 | 9.5 | 6    | 4.5 | 7  | 3             |
| TCS02-VK-1-1/4-28UNF   | 1/4-28UNF   | P2       | 5P | 3   | 69         | 19.5 | 9.5 | 6    | 4.5 | 7  | 3             |
| TCS02-VK-1-5/16-18UNC  | 5/16-18UNC  | P3       | 5P | 5   | 70         | 23   | 15  | 6.1  | 5   | 8  | 3             |
| TCS02-VK-1-5/16-24UNF  | 5/16-24UNF  | P3       | 5P | 5   | 70         | 23   | 15  | 6.1  | 5   | 8  | 3             |
| TCS02-VK-1-3/8-16UNC   | 3/8-16UNC   | P3       | 5P | 5   | 75         | 25   | 18  | 7    | 5.5 | 8  | 3             |
| TCS02-VK-1-3/8-24UNF   | 3/8-24UNF   | P3       | 5P | 5   | 75         | 25   | 18  | 7    | 5.5 | 8  | 3             |
| TCS02-VK-1-7/16-14UNC  | 7/16-14UNC  | P4       | 5P | 5   | 80         | 29   | 16  | 8    | 6   | 9  | 3             |
| TCS02-VK-1-7/16-20UNF  | 7/16-20UNF  | P3       | 5P | 5   | 80         | 29   | 16  | 8    | 6   | 9  | 3             |
| TCS02-VK-1-1/2-13UNC   | 1/2-13UNC   | P4       | 5P | 5   | 85         | 30   | 18  | 9    | 7   | 10 | 3             |
| TCS02-VK-1-1/2-20UNF   | 1/2-20UNF   | P3       | 5P | 5   | 85         | 30   | 18  | 9    | 7   | 10 | 3             |
| TCS02-VK-1-9/16-12UNC  | 9/16-12UNC  | P4       | 5P | 5   | 90         | 30   | 20  | 10.5 | 8   | 11 | 3             |
| TCS02-VK-1-9/16-18UNF  | 9/16-18UNF  | P3       | 5P | 5   | 90         | 30   | 20  | 10.5 | 8   | 11 | 3             |
| TCS02-VK-1-5/8-11UNC   | 5/8-11UNC   | P4       | 5P | 5   | 95         | 23   | 25  | 12   | 9   | 12 | 3             |
| TCS02-VK-1-5/8-18UNF   | 5/8-18UNF   | P3       | 5P | 5   | 95         | 23   | 25  | 12   | 9   | 12 | 3             |



# Метчик с мелким шагом, прямыми канавками и подточкой заборного конуса для сквозных отверстий

Серия TCS02-VK-1-M



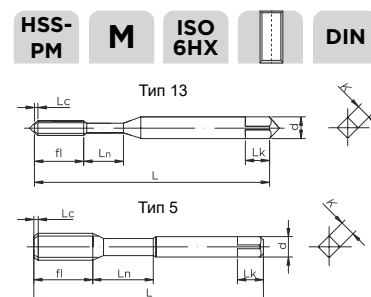
| Обозначение             | Резьба     | Точность | Lc | Тип | Размер, мм |    |      |     |     |    | Кол-во<br>зубьев |
|-------------------------|------------|----------|----|-----|------------|----|------|-----|-----|----|------------------|
|                         |            |          |    |     | L          | fl | Ln   | d   | K   | Lk |                  |
| TCS02-VK-1-M-M3x0.35    | M3x0.35    | P2       | 5P | 3   | 50         | 5  | 13   | 4   | 3.2 | 6  | 3                |
| TCS02-VK-1-M-M3.5x0.35  | M3.5x0.35  | P2       | 5P | 3   | 50         | 6  | 13   | 4   | 3.2 | 6  | 3                |
| TCS02-VK-1-M-M4x0.5     | M4x0.5     | P2       | 5P | 3   | 57         | 9  | 11   | 5   | 4   | 7  | 3                |
| TCS02-VK-1-M-M5x0.5     | M5x0.5     | P2       | 5P | 3   | 66         | 8  | 17   | 5.5 | 4.5 | 7  | 3                |
| TCS02-VK-1-M-M6x0.5     | M6x0.5     | P2       | 5P | 3   | 69         | 12 | 12   | 6   | 4.5 | 7  | 3                |
| TCS02-VK-1-M-M6x0.75    | M6x0.75    | P2       | 5P | 3   | 69         | 12 | 12   | 6   | 4.5 | 7  | 3                |
| TCS02-VK-1-M-M7x0.75    | M7x0.75    | P3       | 5P | 3   | 78         | 13 | 10   | 6.2 | 5   | 8  | 3                |
| TCS02-VK-1-M-M8x0.75    | M8x0.75    | P3       | 5P | 5   | 70         | 13 | 23   | 6.2 | 5   | 8  | 3                |
| TCS02-VK-1-M-M10x0.75   | M10x0.75   | P3       | 5P | 5   | 75         | 13 | 30   | 7   | 5.5 | 8  | 3                |
| TCS02-VK-1-M-NO.1-64UNF | NO.6-40UNF | P2       | 5P | 3   | 50         | 8  | 12   | 4   | 3.2 | 6  | 3                |
| TCS02-VK-1-M-NO.8-36UNF | NO.8-36UNF | P2       | 5P | 3   | 57         | 8  | 13.5 | 5   | 4   | 7  | 3                |

Метчики из быстрорежущей стали



# Метчик с прямыми канавками, короткой режущей частью, подточкой заборного конуса и удлиненным хвостовиком для сквозных отверстий

Серия TCS02-SC-L-VK-1

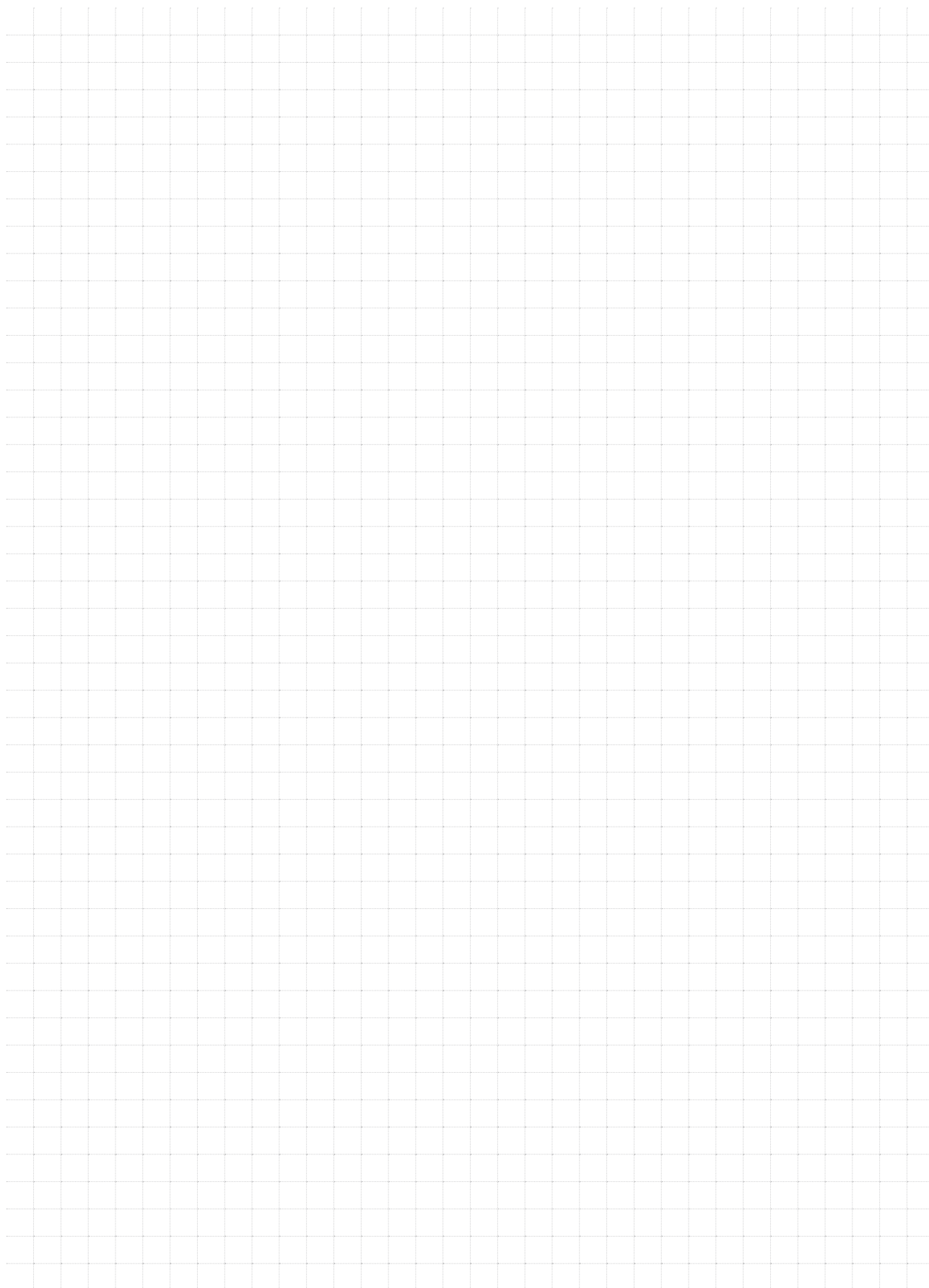


| Обозначение              | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |     |     |    |
|--------------------------|----------|----------|----|-----|------------|----|----|-----|-----|----|
|                          |          |          |    |     | L          | fl | Ln | d   | K   | Lk |
| TCS02-SC-L-VK-1-M4x0.7   | M4x0.7   | 6HX      | 5P | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TCS02-SC-L-VK-1-M5x0.8   | M5x0.8   | 6HX      | 5P | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TCS02-SC-L-VK-1-M6x1     | M6x1     | 6HX      | 5P | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TCS02-SC-L-VK-1-M7x1     | M7x1     | 6HX      | 5P | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TCS02-SC-L-VK-1-M8x1.25  | M8x1.25  | 6HX      | 5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCS02-SC-L-VK-1-M8x1     | M8x1     | 6HX      | 5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCS02-SC-L-VK-1-M10x1.5  | M10x1.5  | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCS02-SC-L-VK-1-M10x1.25 | M10x1.25 | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCS02-SC-L-VK-1-M10x1    | M10x1    | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCS02-SC-L-VK-1-M12x1.75 | M12x1.75 | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS02-SC-L-VK-1-M12x1.5  | M12x1.5  | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS02-SC-L-VK-1-M12x1.25 | M12x1.25 | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS02-SC-L-VK-1-M12x1    | M12x1    | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS02-SC-L-VK-1-M14x2    | M14x2    | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS02-SC-L-VK-1-M14x1.5  | M14x1.5  | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS02-SC-L-VK-1-M14x1.25 | M14x1.25 | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS02-SC-L-VK-1-M14x1    | M14x1    | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS02-SC-L-VK-1-M16x2    | M16x2    | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCS02-SC-L-VK-1-M16x1.5  | M16x1.5  | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCS02-SC-L-VK-1-M16x1.25 | M16x1.25 | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCS02-SC-L-VK-1-M16x1    | M16x1    | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |





Для заметок



Метчики из быстрорежущей стали

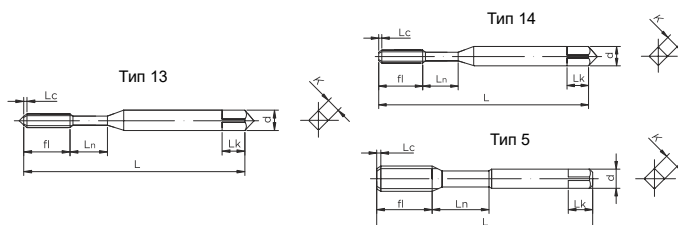
**Метчики**  
**из быстрорежущей стали**  
для обработки алюминия,  
меди и цветных сплавов



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS05-SC-L-1/2

HSS-PM M ISO 6HX



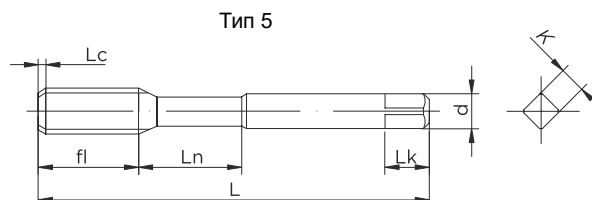
| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |
| TFS05-SC-L-1-M4x0.7   | M4x0.7   | 6HX      | 4P   | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS05-SC-L-2-M4x0.7   | M4x0.7   | 6HX      | 2.5P | 14  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS05-SC-L-1-M5x0.8   | M5x0.8   | 6HX      | 4P   | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS05-SC-L-2-M5x0.8   | M5x0.8   | 6HX      | 2.5P | 14  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS05-SC-L-1-M6x1     | M6x1     | 6HX      | 4P   | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS05-SC-L-2-M6x1     | M6x1     | 6HX      | 2.5P | 14  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS05-SC-L-1-M7x1     | M7x1     | 6HX      | 4P   | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS05-SC-L-2-M7x1     | M7x1     | 6HX      | 2.5P | 14  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS05-SC-L-1-M8x1.25  | M8x1.25  | 6HX      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS05-SC-L-2-M8x1.25  | M8x1.25  | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS05-SC-L-1-M8x1     | M8x1     | 6HX      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS05-SC-L-2-M8x1     | M8x1     | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS05-SC-L-1-M10x1.5  | M10x1.5  | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS05-SC-L-2-M10x1.5  | M10x1.5  | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS05-SC-L-1-M10x1.25 | M10x1.25 | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS05-SC-L-2-M10x1.25 | M10x1.25 | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS05-SC-L-1-M10x1    | M10x1    | 6HX      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS05-SC-L-2-M10x1    | M10x1    | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS05-SC-L-1-M12x1.75 | M12x1.75 | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-2-M12x1.75 | M12x1.75 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-1-M12x1.5  | M12x1.5  | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-2-M12x1.5  | M12x1.5  | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-1-M12x1.25 | M12x1.25 | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-2-M12x1.25 | M12x1.25 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-1-M12x1    | M12x1    | 6HX      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-2-M12x1    | M12x1    | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS05-SC-L-1-M14x2    | M14x2    | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS05-SC-L-2-M14x2    | M14x2    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS05-SC-L-1-M14x1.5  | M14x1.5  | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS05-SC-L-2-M14x1.5  | M14x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS05-SC-L-1-M14x1.25 | M14x1.25 | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS05-SC-L-2-M14x1.25 | M14x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS05-SC-L-1-M14x1    | M14x1    | 6HX      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS05-SC-L-2-M14x1    | M14x1    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS05-SC-L-1/2



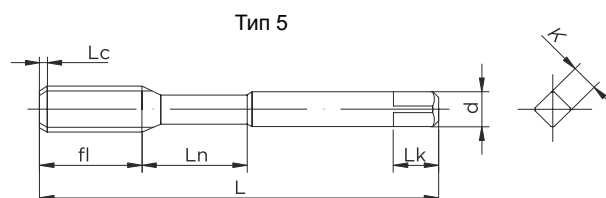
| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    |
|-----------------------|----------|----------|------|-----|------------|----|----|----|------|----|
|                       |          |          |      |     | L          | fl | Ln | d  | K    | Lk |
| TFS05-SC-L-1-M16x2    | M16x2    | 6HX      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-2-M16x2    | M16x2    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-1-M16x1.5  | M16x1.5  | 6HX      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-2-M16x1.5  | M16x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-1-M16x1.25 | M16x1.25 | 6HX      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-2-M16x1.25 | M16x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-1-M16x1    | M16x1    | 6HX      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-2-M16x1    | M16x1    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS05-SC-L-1-M18x2.5  | M18x2.5  | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS05-SC-L-2-M18x2.5  | M18x2.5  | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS05-SC-L-1-M18x2    | M18x2    | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS05-SC-L-2-M18x2    | M18x2    | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS05-SC-L-1-M18x1.5  | M18x1.5  | 6HX      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS05-SC-L-2-M18x1.5  | M18x1.5  | 6HX      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS05-SC-L-1-M20x2.5  | M20x2.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS05-SC-L-1-M20x2.5  | M20x2.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS05-SC-L-1-M20x2    | M20x2    | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS05-SC-L-1-M20x2    | M20x2    | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS05-SC-L-1-M20x1.5  | M20x1.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS05-SC-L-2-M20x1.5  | M20x1.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS05-SC-L-1-M22x2.5  | M22x2.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS05-SC-L-2-M22x2.5  | M22x2.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS05-SC-L-1-M22x2    | M22x2    | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS05-SC-L-2-M22x2    | M22x2    | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS05-SC-L-1-M22x1.5  | M22x1.5  | 6HX      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS05-SC-L-2-M22x1.5  | M22x1.5  | 6HX      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS05-SC-L-1-M24x3    | M24x3    | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS05-SC-L-2-M24x3    | M24x3    | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS05-SC-L-1-M24x2.5  | M24x2.5  | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS05-SC-L-2-M24x2.5  | M24x2.5  | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS05-SC-L-1-M24x2    | M24x2    | 6HX      | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS05-SC-L-2-M24x2    | M24x2    | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS05-SC-L-1/2



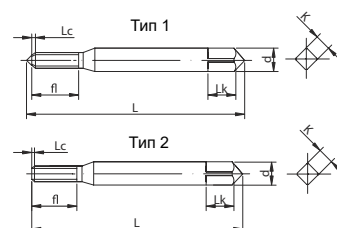
| Обозначение          | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |    |    |
|----------------------|---------|----------|------|-----|------------|----|----|----|----|----|
|                      |         |          |      |     | L          | fl | Ln | d  | K  | Lk |
| TFS05-SC-L-1-M27x2.5 | M27x2.5 | 6HX      | 4P   | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS05-SC-L-2-M27x2.5 | M27x2.5 | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS05-SC-L-1-M27x2   | M27x2   | 6HX      | 4P   | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS05-SC-L-2-M27x2   | M27x2   | 6HX      | 2.5P | 5   | 160        | 30 | 48 | 20 | 16 | 19 |
| TFS05-SC-L-1-M30x3.5 | M30x3.5 | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS05-SC-L-2-M30x3.5 | M30x3.5 | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS05-SC-L-1-M30x3   | M30x3   | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS05-SC-L-2-M30x3   | M30x3   | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS05-SC-L-1-M30x2.5 | M30x2.5 | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS05-SC-L-2-M30x2.5 | M30x2.5 | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS05-SC-L-1-M30x2   | M30x2   | 6HX      | 4P   | 5   | 180        | 35 | 53 | 22 | 18 | 21 |
| TFS05-SC-L-2-M30x2   | M30x2   | 6HX      | 2.5P | 5   | 180        | 35 | 53 | 22 | 18 | 21 |

Метчики из быстрорежущей стали



# Метчик-раскатчик с прямыми канавками и длинной формирующей частью

Серия TFS05-LC-1/2

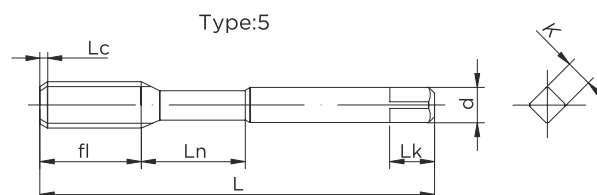


| Обозначение          | Резьба    | Точность | Lc | Тип | Размер, мм |     |    |     |     |    | Кол-во зубьев |
|----------------------|-----------|----------|----|-----|------------|-----|----|-----|-----|----|---------------|
|                      |           |          |    |     | L          | fl  | Ln | d   | K   | Lk |               |
| TFS05-LC-1-M1x0.25   | M1x0.25   | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M1x0.25   | M1x0.25   | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M1.2x0.25 | M1.2x0.25 | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M1.2x0.25 | M1.2x0.25 | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M1.4x0.3  | M1.4x0.3  | RH4      | 4P | 1   | 37         | 6.5 | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M1.4x0.3  | M1.4x0.3  | RH4      | 2P | 2   | 36         | 6.5 | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M1.6x0.35 | M1.6x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M1.6x0.35 | M1.6x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M1.7x0.35 | M1.7x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M1.7x0.35 | M1.7x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M2x0.4    | M2x0.4    | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M2x0.4    | M2x0.4    | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M2.3x0.4  | M2.3x0.4  | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M2.3x0.4  | M2.3x0.4  | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M2.5x0.45 | M2.5x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M2.5x0.45 | M2.5x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M2.6x0.45 | M2.6x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-2-M2.6x0.45 | M2.6x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -             |
| TFS05-LC-1-M3x0.5    | M3x0.5    | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS05-LC-2-M3x0.5    | M3x0.5    | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS05-LC-1-M3.5x0.6  | M3.5x0.6  | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS05-LC-2-M3.5x0.6  | M3.5x0.6  | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -             |
| TFS05-LC-1-M4x0.7    | M4x0.7    | RH7      | 4P | 1   | 57         | 18  | -  | 5   | 4   | 7  | -             |
| TFS05-LC-2-M4x0.7    | M4x0.7    | RH7      | 2P | 2   | 55         | 18  | -  | 5   | 4   | 7  | -             |
| TFS05-LC-1-M5x0.8    | M5x0.8    | RH7      | 4P | 1   | 66         | 20  | -  | 5.5 | 4.5 | 7  | -             |
| TFS05-LC-2-M5x0.8    | M5x0.8    | RH7      | 2P | 2   | 63.5       | 20  | -  | 5.5 | 4.5 | 7  | -             |
| TFS05-LC-1-M6x1      | M6x1      | RH7      | 4P | 1   | 69         | 27  | -  | 6   | 4.5 | 7  | 2             |
| TFS05-LC-2-M6x1      | M6x1      | RH7      | 2P | 2   | 66.5       | 27  | -  | 6   | 4.5 | 7  | 2             |



# Метчик-раскатчик с прямыми канавками и короткой формирующей частью

Серия TFS05-SC-1/2



| Обозначение         | Резьба   | Точность | SC | Тип | Размер, мм |    |    |      |     |    | Кол-во зубьев |
|---------------------|----------|----------|----|-----|------------|----|----|------|-----|----|---------------|
|                     |          |          |    |     | L          | fl | Ln | d    | K   | Lk |               |
| TFS05-SC-1-M7x1     | M7x1     | RH7      | 4P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2             |
| TFS05-SC-2-M7x1     | M7x1     | RH7      | 2P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2             |
| TFS05-SC-1-M8x1.25  | M8x1.25  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS05-SC-2-M8x1.25  | M8x1.25  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS05-SC-1-M10x1.5  | M10x1.5  | RH8      | 4P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-2-M10x1.5  | M10x1.5  | RH8      | 2P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-1-M12x1.75 | M12x1.75 | RH9      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-2-M12x1.75 | M12x1.75 | RH9      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-1-M14x2    | M14x2    | RH10     | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-2-M14x2    | M14x2    | RH10     | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-1-M16x2    | M16x2    | RH10     | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS05-SC-2-M16x2    | M16x2    | RH10     | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |

Метчики из быстрорежущей стали

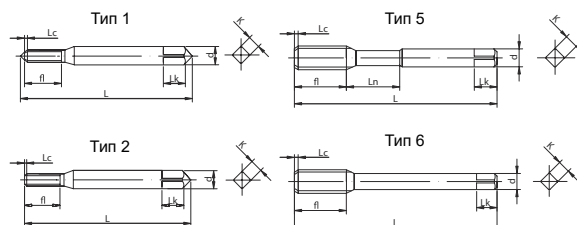


# Метчик-раскатчик дюймовый с прямыми канавками

Серия TFS05-1/2-UNC



HSS-PM U Coating YC-C50 JIS



| Обозначение         | Резьба      | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|---------------------|-------------|----------|----|-----|------------|----|----|------|-----|----|------------------|
|                     |             |          |    |     | L          | fl | Ln | d    | K   | Lk |                  |
| TFS05-1-NO.1-64UNC  | NO.1-64UNC  | RH4      | 4P | 1   | 37         | 9  | -  | 3    | 2.5 | 3  | -                |
| TFS05-2-NO.1-64UNC  | NO.1-64UNC  | RH4      | 2P | 2   | 35.5       | 9  | -  | 3    | 2.5 | 3  | -                |
| TFS05-1-NO.2-56UNC  | NO.2-56UNC  | RH4      | 4P | 1   | 45         | 12 | -  | 3    | 2.5 | 3  | -                |
| TFS05-2-NO.2-56UNC  | NO.2-56UNC  | RH4      | 2P | 2   | 43.5       | 12 | -  | 3    | 2.5 | 3  | -                |
| TFS05-1-NO.3-48UNC  | NO.3-48UNC  | RH4      | 4P | 1   | 45         | 15 | -  | 3    | 2.5 | 3  | -                |
| TFS05-2-NO.3-48UNC  | NO.3-48UNC  | RH4      | 2P | 2   | 43.5       | 15 | -  | 3    | 2.5 | 3  | -                |
| TFS05-1-NO.4-40UNC  | NO.4-40UNC  | RH4      | 4P | 1   | 45         | 15 | -  | 3    | 2.5 | 3  | -                |
| TFS05-2-NO.4-40UNC  | NO.4-40UNC  | RH4      | 2P | 2   | 43.5       | 15 | -  | 3    | 2.5 | 3  | -                |
| TFS05-1-NO.5-40UNC  | NO.5-40UNC  | RH4      | 4P | 1   | 50         | 15 | -  | 4    | 3.2 | 6  | -                |
| TFS05-2-NO.5-40UNC  | NO.5-40UNC  | RH4      | 2P | 2   | 48         | 15 | -  | 4    | 3.2 | 6  | -                |
| TFS05-1-NO.6-32UNC  | NO.6-32UNC  | RH7      | 4P | 1   | 50         | 16 | -  | 4    | 3.2 | 6  | -                |
| TFS05-2-NO.6-32UNC  | NO.6-32UNC  | RH7      | 2P | 2   | 48         | 16 | -  | 4    | 3.2 | 6  | -                |
| TFS05-1-NO.8-32UNC  | NO.8-32UNC  | RH7      | 4P | 1   | 57         | 18 | -  | 5    | 4   | 7  | -                |
| TFS05-2-NO.8-32UNC  | NO.8-32UNC  | RH7      | 2P | 2   | 54.5       | 18 | -  | 5    | 4   | 7  | -                |
| TFS05-1-NO.10-24UNC | NO.10-24UNC | RH7      | 4P | 1   | 66         | 20 | -  | 5.5  | 4.5 | 7  | -                |
| TFS05-2-NO.10-24UNC | NO.10-24UNC | RH7      | 2P | 2   | 63.5       | 20 | -  | 5.5  | 4.5 | 7  | -                |
| TFS05-1-NO.12-24UNC | NO.12-24UNC | RH7      | 4P | 1   | 66         | 23 | -  | 5.5  | 4.5 | 7  | -                |
| TFS05-2-NO.12-24UNC | NO.12-24UNC | RH7      | 2P | 2   | 63.5       | 23 | -  | 5.5  | 4.5 | 7  | -                |
| TFS05-1-1/4-20UNC   | 1/4-20UNC   | RH7      | 4P | 6   | 62         | 27 | -  | 6    | 4.5 | 7  | 2                |
| TFS05-2-1/4-20UNC   | 1/4-20UNC   | RH7      | 2P | 6   | 62         | 27 | -  | 6    | 4.5 | 7  | 2                |
| TFS05-1-5/16-18UNC  | 5/16-18UNC  | RH8      | 4P | 5   | 70         | 15 | 15 | 6.1  | 5   | 8  | 3                |
| TFS05-2-5/16-18UNC  | 5/16-18UNC  | RH8      | 2P | 5   | 70         | 15 | 15 | 6.1  | 5   | 8  | 3                |
| TFS05-1-3/8-16UNC   | 3/8-16UNC   | RH8      | 4P | 5   | 75         | 16 | 27 | 7    | 5.5 | 8  | 6                |
| TFS05-2-3/8-16UNC   | 3/8-16UNC   | RH8      | 2P | 5   | 75         | 16 | 27 | 7    | 5.5 | 8  | 6                |
| TFS05-1-7/16-14UNC  | 7/16-14UNC  | RH8      | 4P | 5   | 80         | 20 | 20 | 8    | 6   | 9  | 6                |
| TFS05-2-7/16-14UNC  | 7/16-14UNC  | RH8      | 2P | 5   | 80         | 20 | 20 | 8    | 6   | 9  | 6                |
| TFS05-1-1/2-13UNC   | 1/2-13UNC   | RH8      | 4P | 5   | 85         | 21 | 27 | 9    | 7   | 10 | 6                |
| TFS05-2-1/2-13UNC   | 1/2-13UNC   | RH8      | 2P | 5   | 85         | 21 | 27 | 9    | 7   | 10 | 6                |
| TFS05-1-9/16-12UNC  | 9/16-12UNC  | RH9      | 4P | 5   | 90         | 21 | 29 | 10.5 | 8   | 11 | 6                |
| TFS05-2-9/16-12UNC  | 9/16-12UNC  | RH9      | 2P | 5   | 90         | 21 | 29 | 10.5 | 8   | 11 | 6                |
| TFS05-1-5/8-11UNC   | 5/8-11UNC   | RH10     | 4P | 5   | 95         | 23 | 25 | 12   | 9   | 12 | 6                |
| TFS05-2-5/8-11UNC   | 5/8-11UNC   | RH10     | 2P | 5   | 95         | 23 | 25 | 12   | 9   | 12 | 6                |

Метчики из быстрорежущей стали



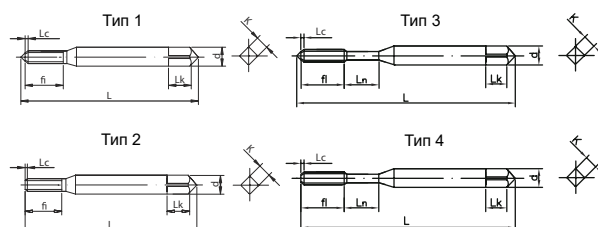


# Метчик-раскатчик с прямыми канавками и мелким шагом

Серия TFS05-1/2-M



HSS-PM M Coating YC-CS0 JIS



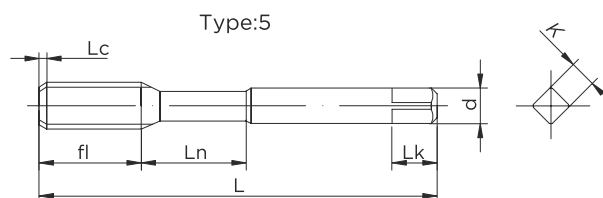
| Обозначение        | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |     |     |    | Кол-во зубьев |
|--------------------|----------|----------|----|-----|------------|----|----|-----|-----|----|---------------|
|                    |          |          |    |     | L          | fl | Ln | d   | K   | Lk |               |
| TFS05-1-M-M1x0.2   | M1x0.2   | RH4      | 4P | 1   | 32         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-2-M-M1x0.2   | M1x0.2   | RH4      | 2P | 2   | 31         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-1-M-M1.2x0.2 | M1.2x0.2 | RH4      | 4P | 1   | 32         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-2-M-M1.2x0.2 | M1.2x0.2 | RH4      | 2P | 2   | 31         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-1-M-M1.4x0.2 | M1.4x0.2 | RH4      | 4P | 1   | 37         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-2-M-M1.4x0.2 | M1.4x0.2 | RH4      | 2P | 2   | 36         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-1-M-M1.6x0.2 | M1.6x0.2 | RH4      | 4P | 1   | 37         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-2-M-M1.6x0.2 | M1.6x0.2 | RH4      | 2P | 2   | 36         | 3  | -  | 3   | 2.5 | 3  | -             |
| TFS05-1-M-M2x0.25  | M2x0.25  | RH4      | 4P | 1   | 45         | 4  | -  | 3   | 2.5 | 3  | -             |
| TFS05-2-M-M2x0.25  | M2x0.25  | RH4      | 2P | 2   | 43.5       | 4  | -  | 3   | 2.5 | 3  | -             |
| TFS05-1-M-M3x0.35  | M3x0.35  | RH4      | 4P | 3   | 50         | 6  | 8  | 4   | 3.2 | 6  | -             |
| TFS05-2-M-M3x0.35  | M3x0.35  | RH4      | 2P | 4   | 48         | 6  | 8  | 4   | 3.2 | 6  | -             |
| TFS05-1-M-M4x0.5   | M4x0.5   | RH7      | 4P | 3   | 57         | 8  | 8  | 5   | 4   | 7  | -             |
| TFS05-2-M-M4x0.5   | M4x0.5   | RH7      | 2P | 4   | 55         | 8  | 8  | 5   | 4   | 7  | -             |
| TFS05-1-M-M5x0.5   | M5x0.5   | RH7      | 4P | 3   | 66         | 8  | 8  | 5.5 | 4.5 | 7  | -             |
| TFS05-2-M-M5x0.5   | M5x0.5   | RH7      | 2P | 4   | 64         | 8  | 8  | 5.5 | 4.5 | 7  | -             |
| TFS05-1-M-M6x0.5   | M6x0.5   | RH7      | 4P | 3   | 69         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS05-2-M-M6x0.5   | M6x0.5   | RH7      | 2P | 4   | 66         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS05-1-M-M6x0.75  | M6x0.75  | RH7      | 4P | 3   | 69         | 12 | 12 | 6   | 4.5 | 7  | 2             |
| TFS05-2-M-M6x0.75  | M6x0.75  | RH7      | 2P | 4   | 66         | 12 | 12 | 6   | 4.5 | 7  | 2             |

Метчики из быстрорежущей стали



# Метчик-раскатник с прямыми канавками, короткой формирующей частью и мелким шагом

Серия TFS05-SC-1/2-M



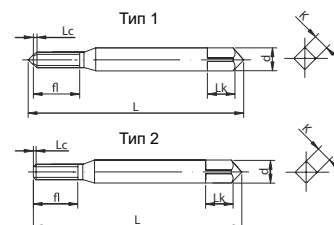
| Обозначение           | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во зубьев |
|-----------------------|----------|----------|----|-----|------------|----|----|------|-----|----|---------------|
|                       |          |          |    |     | L          | fl | Ln | d    | K   | Lk |               |
| TFS05-SC-1-M-M8x1     | M8x1     | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS05-SC-2-M-M8x1     | M8x1     | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS05-SC-1-M-M8x0.75  | M8x0.75  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS05-SC-2-M-M8x0.75  | M8x0.75  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3             |
| TFS05-SC-1-M-M10x1.25 | M10x1.25 | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-2-M-M10x1.25 | M10x1.25 | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-1-M-M10x1    | M10x1    | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-2-M-M10x1    | M10x1    | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-1-M-M10x0.75 | M10x0.75 | RH7      | 4P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-2-M-M10x0.75 | M10x0.75 | RH7      | 2P | 5   | 75         | 13 | 30 | 7    | 5.5 | 8  | 6             |
| TFS05-SC-1-M-M12x1.5  | M12x1.5  | RH8      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-2-M-M12x1.5  | M12x1.5  | RH8      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-1-M-M12x1.25 | M12x1.25 | RH7      | 4P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-2-M-M12x1.25 | M12x1.25 | RH7      | 2P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-1-M-M12x1    | M12x1    | RH7      | 4P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-2-M-M12x1    | M12x1    | RH7      | 2P | 5   | 82         | 13 | 29 | 8.5  | 6.5 | 9  | 6             |
| TFS05-SC-1-M-M14x1.5  | M14x1.5  | RH8      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-2-M-M14x1.5  | M14x1.5  | RH8      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-1-M-M14x1.25 | M14x1.25 | RH7      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-2-M-M14x1.25 | M14x1.25 | RH7      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-1-M-M14x1    | M14x1    | RH7      | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-2-M-M14x1    | M14x1    | RH7      | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6             |
| TFS05-SC-1-M-M16x1.5  | M16x1.5  | RH8      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS05-SC-2-M-M16x1.5  | M16x1.5  | RH8      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS05-SC-1-M-M16x1.25 | M16x1.25 | RH7      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS05-SC-2-M-M16x1.25 | M16x1.25 | RH7      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS05-SC-1-M-M16x1    | M16x1    | RH7      | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |
| TFS05-SC-2-M-M16x1    | M16x1    | RH7      | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6             |

Метчики из быстрорежущей стали



# Метчик-раскатчик с левой резьбой, прямыми канавками и длинной формирующей частью

Серия TFL05-LC-1/2-LH



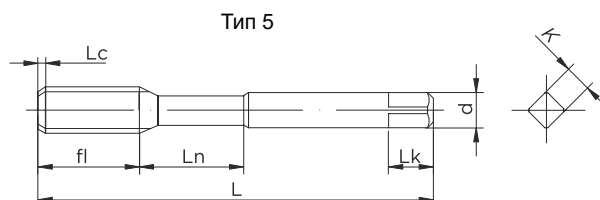
| Обозначение             | Резьба    | Точность | Lc | Тип | Размер, мм |     |    |     |     |    | Кол-во<br>зубьев |
|-------------------------|-----------|----------|----|-----|------------|-----|----|-----|-----|----|------------------|
|                         |           |          |    |     | L          | fl  | Ln | d   | K   | Lk |                  |
| TFL05-LC-1-M1x0.25-LH   | M1x0.25   | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M1x0.25-LH   | M1x0.25   | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M1.2x0.25-LH | M1.2x0.25 | RH4      | 4P | 1   | 32         | 4.5 | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M1.2x0.25-LH | M1.2x0.25 | RH4      | 2P | 2   | 31         | 3.5 | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M1.4x0.3-LH  | M1.4x0.3  | RH4      | 4P | 1   | 37         | 6.5 | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M1.4x0.3-LH  | M1.4x0.3  | RH4      | 2P | 2   | 36         | 6.5 | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M1.6x0.35-LH | M1.6x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M1.6x0.35-LH | M1.6x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M1.7x0.35-LH | M1.7x0.35 | RH4      | 4P | 1   | 37         | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M1.7x0.35-LH | M1.7x0.35 | RH4      | 2P | 2   | 35.5       | 8   | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M2x0.4-LH    | M2x0.4    | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M2x0.4-LH    | M2x0.4    | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M2.3x0.4-LH  | M2.3x0.4  | RH5      | 4P | 1   | 45         | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M2.3x0.4-LH  | M2.3x0.4  | RH5      | 2P | 2   | 43.5       | 10  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M2.5x0.45-LH | M2.5x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M2.5x0.45-LH | M2.5x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M2.6x0.45-LH | M2.6x0.45 | RH5      | 4P | 1   | 45         | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-2-M2.6x0.45-LH | M2.6x0.45 | RH5      | 2P | 2   | 43.5       | 13  | -  | 3   | 2.5 | 3  | -                |
| TFL05-LC-1-M3x0.5-LH    | M3x0.5    | RH7      | 4P | 1   | 50         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFL05-LC-2-M3x0.5-LH    | M3x0.5    | RH7      | 2P | 2   | 48         | 16  | -  | 4   | 3.2 | 6  | -                |
| TFL05-LC-1-M3.5x0.6-LH  | M3.5x0.6  | RH7      | 4P | 1   | 50         | 16  |    | 4   | 3.2 | 6  | -                |
| TFL05-LC-2-M3.5x0.6-LH  | M3.5x0.6  | RH7      | 2P | 2   | 48         | 16  |    | 4   | 3.2 | 6  | -                |
| TFL05-LC-1-M4x0.7-LH    | M4x0.7    | RH7      | 4P | 1   | 57         | 18  |    | 5   | 4   | 7  | -                |
| TFL05-LC-2-M4x0.7-LH    | M4x0.7    | RH7      | 2P | 2   | 55         | 18  |    | 5   | 4   | 7  | -                |
| TFL05-LC-1-M5x0.8-LH    | M5x0.8    | RH7      | 4P | 1   | 66         | 20  |    | 5.5 | 4.5 | 7  | -                |
| TFL05-LC-2-M5x0.8-LH    | M5x0.8    | RH7      | 2P | 2   | 63.5       | 20  |    | 5.5 | 4.5 | 7  | -                |
| TFL05-LC-1-M6x1-LH      | M6x1      | RH7      | 4P | 1   | 69         | 27  |    | 6   | 4.5 | 7  | 2                |
| TFL05-LC-2-M6x1-LH      | M6x1      | RH7      | 2P | 2   | 66.5       | 27  |    | 6   | 4.5 | 7  | 2                |

Метчики из быстрорежущей стали



# Метчик-раскатчик с левой резьбой, прямыми канавками и короткой формирующей частью

Серия TFS05-SC-1/2-LH



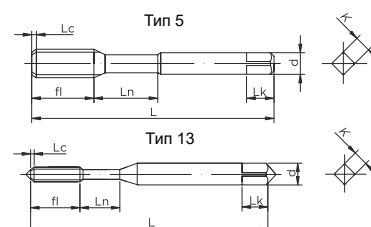
| Обозначение            | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |      |     |    | Кол-во<br>зубьев |
|------------------------|----------|----------|----|-----|------------|----|----|------|-----|----|------------------|
|                        |          |          |    |     | L          | fl | Ln | d    | K   | Lk |                  |
| TFS05-SC-1-M7x1-LH     | M7x1     | RH7      | 4P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFS05-SC-2-M7x1-LH     | M7x1     | RH7      | 2P | 5   | 70         | 13 | 10 | 6.2  | 5   | 8  | 2                |
| TFS05-SC-1-M8x1.25-LH  | M8x1.25  | RH7      | 4P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFS05-SC-2-M8x1.25-LH  | M8x1.25  | RH7      | 2P | 5   | 70         | 13 | 23 | 6.2  | 5   | 8  | 3                |
| TFS05-SC-1-M10x1.5-LH  | M10x1.5  | RH8      | 4P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFS05-SC-2-M10x1.5-LH  | M10x1.5  | RH8      | 2P | 5   | 75         | 15 | 28 | 7    | 5.5 | 8  | 6                |
| TFS05-SC-1-M12x1.75-LH | M12x1.75 | RH9      | 4P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS05-SC-2-M12x1.75-LH | M12x1.75 | RH9      | 2P | 5   | 82         | 17 | 25 | 8.5  | 6.5 | 9  | 6                |
| TFS05-SC-1-M14x2-LH    | M14x2    | RH10     | 4P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS05-SC-2-M14x2-LH    | M14x2    | RH10     | 2P | 5   | 88         | 20 | 31 | 10.5 | 8   | 11 | 6                |
| TFS05-SC-1-M16x2-LH    | M16x2    | RH10     | 4P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |
| TFS05-SC-2-M16x2-LH    | M16x2    | RH10     | 2P | 5   | 95         | 20 | 32 | 12.5 | 10  | 13 | 6                |

Метчики из быстрорежущей стали



# Метчик со спиральными канавками, короткой режущей частью и удлиненным хвостовиком

Серия TCR05-SC-L-3



| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |
| TCR05-SC-L-3-M4x0.7   | M4x0.7   | 6HX      | 2.5P | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TCR05-SC-L-3-M5x0.8   | M5x0.8   | 6HX      | 2.5P | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TCR05-SC-L-3-M6x1     | M6x1     | 6HX      | 2.5P | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TCR05-SC-L-3-M7x1     | M7x1     | 6HX      | 2.5P | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TCR05-SC-L-3-M8x1.25  | M8x1.25  | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCR05-SC-L-3-M8x1     | M8x1     | 6HX      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCR05-SC-L-3-M10x1.5  | M10x1.5  | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCR05-SC-L-3-M10x1.25 | M10x1.25 | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCR05-SC-L-3-M10x1    | M10x1    | 6HX      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCR05-SC-L-3-M12x1.75 | M12x1.75 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR05-SC-L-3-M12x1.5  | M12x1.5  | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR05-SC-L-3-M12x1.25 | M12x1.25 | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR05-SC-L-3-M12x1    | M12x1    | 6HX      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCR05-SC-L-3-M14x2    | M14x2    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR05-SC-L-3-M14x1.5  | M14x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR05-SC-L-3-M14x1.25 | M14x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR05-SC-L-3-M14x1    | M14x1    | 6HX      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCR05-SC-L-3-M16x2    | M16x2    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCR05-SC-L-3-M16x1.5  | M16x1.5  | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCR05-SC-L-3-M16x1.25 | M16x1.25 | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCR05-SC-L-3-M16x1    | M16x1    | 6HX      | 2.5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |

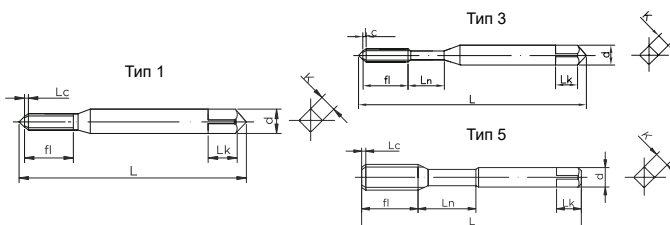
Метчики из быстрорежущей стали



# Метчик с правыми спиральными канавками и углом спирали 45°

Серия TCR05-3-45

HSS-PM M Coating YC-C50 JIS



| Обозначение          | Резьба    | Точность | Lc   | Тип | Размер, мм |     |    |      |     |    | Кол-во<br>зубьев |
|----------------------|-----------|----------|------|-----|------------|-----|----|------|-----|----|------------------|
|                      |           |          |      |     | L          | fl  | Ln | d    | K   | Lk |                  |
| TCR05-3-45-M1x0.25   | M1x0.25   | P1       | 1.5P | 1   | 37         | 4.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-M1.2x0.25 | M1.2x0.25 | P1       | 1.5P | 1   | 37         | 5.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-M1.4x0.3  | M1.4x0.3  | P1       | 1.5P | 1   | 37         | 6.5 | -  | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-M1.6x0.35 | M1.6x0.35 | P2       | 1.5P | 1   | 37         | 8   | -  | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-M2x0.4    | M2x0.4    | P2       | 2.5P | 1   | 45         | 11  | -  | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-M2.5x0.45 | M2.5x0.45 | P2       | 2.5P | 1   | 45         | 12  | -  | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-M3x0.5    | M3x0.5    | P2       | 2.5P | 3   | 50         | 5   | 13 | 4    | 3.2 | 6  | 3                |
| TCR05-3-45-M3.5x0.6  | M3.5x0.6  | P2       | 2.5P | 3   | 50         | 6   | 13 | 4    | 3.2 | 6  | 3                |
| TCR05-3-45-M4x0.7    | M4x0.7    | P2       | 2.5P | 3   | 57         | 9   | 11 | 5    | 4   | 7  | 3                |
| TCR05-3-45-M5x0.8    | M5x0.8    | P2       | 2.5P | 3   | 66         | 8   | 17 | 5.5  | 4.5 | 7  | 3                |
| TCR05-3-45-M6x1      | M6x1      | P2       | 2.5P | 3   | 69         | 12  | 12 | 6    | 4.5 | 7  | 3                |
| TCR05-3-45-M7x1      | M7x1      | P3       | 2.5P | 3   | 78         | 13  | 10 | 6.2  | 5   | 8  | 3                |
| TCR05-3-45-M8x1.25   | M8x1.25   | P3       | 2.5P | 5   | 70         | 13  | 23 | 6.2  | 5   | 8  | 3                |
| TCR05-3-45-M8x1      | M8x1      | P3       | 2.5P | 5   | 70         | 13  | 23 | 6.2  | 5   | 8  | 3                |
| TCR05-3-45-M10x1.5   | M10x1.5   | P4       | 2.5P | 5   | 75         | 15  | 28 | 7    | 5.5 | 8  | 3                |
| TCR05-3-45-M10x1.25  | M10x1.25  | P3       | 2.5P | 5   | 75         | 13  | 30 | 7    | 5.5 | 8  | 3                |
| TCR05-3-45-M10x1     | M10x1     | P3       | 2.5P | 5   | 75         | 13  | 30 | 7    | 5.5 | 8  | 3                |
| TCR05-3-45-M12x1.75  | M12x1.75  | P4       | 2.5P | 5   | 82         | 17  | 25 | 8.5  | 6.5 | 9  | 3                |
| TCR05-3-45-M12x1.5   | M12x1.5   | P4       | 2.5P | 5   | 82         | 17  | 25 | 8.5  | 6.5 | 9  | 3                |
| TCR05-3-45-M12x1.25  | M12x1.25  | P4       | 2.5P | 5   | 82         | 13  | 29 | 8.5  | 6.5 | 9  | 3                |
| TCR05-3-45-M12x1     | M12x1     | P3       | 2.5P | 5   | 82         | 13  | 29 | 8.5  | 6.5 | 9  | 3                |
| TCR05-3-45-M14x2     | M14x2     | P5       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR05-3-45-M14x1.5   | M14x1.5   | P4       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR05-3-45-M14x1.25  | M14x1.25  | P4       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR05-3-45-M14x1     | M14x1     | P3       | 2.5P | 5   | 88         | 20  | 31 | 10.5 | 8   | 11 | 3                |
| TCR05-3-45-M16x2     | M16x2     | P5       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR05-3-45-M16x1.5   | M16x1.5   | P4       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR05-3-45-M16x1.25  | M16x1.25  | P4       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |
| TCR05-3-45-M16x1     | M16x1     | P3       | 2.5P | 5   | 95         | 20  | 32 | 12.5 | 10  | 13 | 3                |

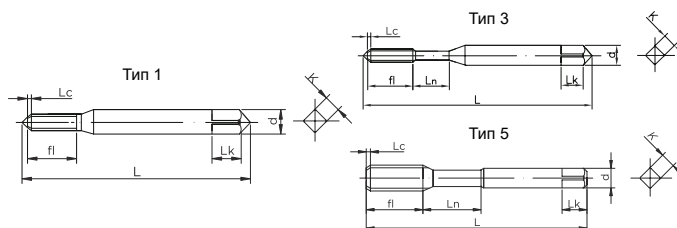
Метчики из быстрорежущей стали



# Метчик дюймовый с правыми спиральными канавками и углом спирали 45°

Серия TCR05-3-45-UNF/UNC

HSS-PM U Coating YC-C50 JIS



| Обозначение            | Резьба      | Точность | Lc   | Тип | Размер, мм |    |      |      |     |    | Кол-во<br>зубьев |
|------------------------|-------------|----------|------|-----|------------|----|------|------|-----|----|------------------|
|                        |             |          |      |     | L          | fl | Ln   | d    | K   | Lk |                  |
| TCR05-3-45-NO.0-80UNF  | NO.0-80UNF  | P1       | 1.5P | 1   | 37         | 10 | -    | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-NO.1-64UNC  | NO.1-64UNC  | P1       | 1.5P | 1   | 37         | 11 | -    | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-NO.2-56UNC  | NO.2-56UNC  | P1       | 2.5P | 1   | 45         | 12 | -    | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-NO.3-48UNC  | NO.3-48UNC  | P1       | 2.5P | 1   | 45         | 14 | -    | 3    | 2.5 | 3  | 2                |
| TCR05-3-45-NO.4-40UNC  | NO.4-40UNC  | P2       | 2.5P | 3   | 45         | 6  | 10   | 3    | 2.5 | 3  | 3                |
| TCR05-3-45-NO.5-40UNC  | NO.5-40UNC  | P2       | 2.5P | 3   | 50         | 7  | 12   | 4    | 3.2 | 6  | 3                |
| TCR05-3-45-NO.6-32UNC  | NO.6-32UNC  | P2       | 2.5P | 3   | 50         | 8  | 12   | 4    | 3.2 | 6  | 3                |
| TCR05-3-45-NO.6-40UNF  | NO.8-32UNC  | P2       | 2.5P | 3   | 57         | 8  | 13.5 | 5    | 4   | 7  | 3                |
| TCR05-3-45-NO.8-32UNC  | NO.10-24UNC | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR05-3-45-NO.8-36UNF  | NO.10-32UNF | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR05-3-45-NO.10-24UNC | NO.12-24UNC | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR05-3-45-NO.12-24UNC | NO.12-28UNF | P2       | 2.5P | 3   | 66         | 10 | 16   | 5.5  | 4.5 | 7  | 3                |
| TCR05-3-45-1/4-20UNC   | 1/4-20UNC   | P2       | 2.5P | 3   | 69         | 12 | 17   | 6    | 4.5 | 7  | 3                |
| TCR05-3-45-1/4-28UNF   | 1/4-28UNF   | P2       | 2.5P | 3   | 69         | 12 | 17   | 6    | 4.5 | 7  | 3                |
| TCR05-3-45-5/16-18UNC  | 5/16-18UNC  | P3       | 2.5P | 5   | 70         | 15 | 15   | 6.1  | 5   | 8  | 3                |
| TCR05-3-45-5/16-24UNF  | 5/16-24UNF  | P3       | 2.5P | 5   | 70         | 11 | 19   | 6.1  | 5   | 8  | 3                |
| TCR05-3-45-3/8-16UNC   | 3/8-16UNC   | P3       | 2.5P | 5   | 75         | 16 | 27   | 7    | 5.5 | 8  | 3                |
| TCR05-3-45-3/8-24UNF   | 3/8-24UNF   | P3       | 2.5P | 5   | 75         | 11 | 32   | 7    | 5.5 | 8  | 3                |
| TCR05-3-45-7/16-14UNC  | 7/16-14UNC  | P4       | 2.5P | 5   | 80         | 20 | 20   | 8    | 6   | 9  | 3                |
| TCR05-3-45-7/16-20UNF  | 7/16-20UNF  | P3       | 2.5P | 5   | 80         | 13 | 27   | 8    | 6   | 9  | 3                |
| TCR05-3-45-1/2-13UNC   | 1/2-13UNC   | P4       | 2.5P | 5   | 85         | 21 | 27   | 9    | 7   | 10 | 3                |
| TCR05-3-45-1/2-20UNF   | 1/2-20UNF   | P3       | 2.5P | 5   | 85         | 13 | 35   | 9    | 7   | 10 | 3                |
| TCR05-3-45-9/16-12UNC  | 9/16-12UNC  | P4       | 2.5P | 5   | 90         | 21 | 29   | 10.5 | 8   | 11 | 3                |
| TCR05-3-45-9/16-18UNF  | 9/16-18UNF  | P3       | 2.5P | 5   | 90         | 15 | 35   | 10.5 | 8   | 11 | 3                |
| TCR05-3-45-5/8-11UNC   | 5/8-11UNC   | P4       | 2.5P | 5   | 95         | 23 | 25   | 12   | 9   | 12 | 3                |
| TCR05-3-45-5/8-18UNF   | 5/8-18UNF   | P3       | 2.5P | 5   | 95         | 23 | 25   | 12   | 9   | 12 | 3                |

Метчики из быстрорежущей стали

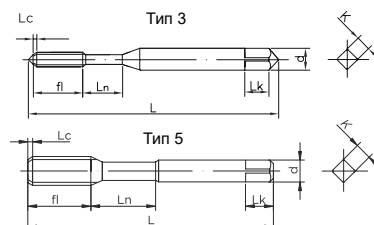


# Метчик с правыми спиральными канавками и мелким шагом

Серия TCR05-3-M/UNF



HSS-PM M/U Coating YC-200 JIS



| Обозначение          | Резьба     | Точность | Lc   | Тип | Размер, мм |    |      |     |     |    | Кол-во зубьев |
|----------------------|------------|----------|------|-----|------------|----|------|-----|-----|----|---------------|
|                      |            |          |      |     | L          | fl | Ln   | d   | K   | Lk |               |
| TCR05-3-M-M3x0.35    | M3x0.35    | P2       | 2.5P | 3   | 50         | 5  | 13   | 4   | 3.2 | 6  | 3             |
| TCR05-3-M-M3.5x0.35  | M3.5x0.35  | P2       | 2.5P | 3   | 50         | 6  | 13   | 4   | 3.2 | 6  | 3             |
| TCR05-3-M-M4x0.5     | M4x0.5     | P2       | 2.5P | 3   | 57         | 9  | 11   | 5   | 4   | 7  | 3             |
| TCR05-3-M-M5x0.5     | M5x0.5     | P2       | 2.5P | 3   | 66         | 8  | 17   | 5.5 | 4.5 | 7  | 3             |
| TCR05-3-M-M6x0.5     | M6x0.5     | P2       | 2.5P | 3   | 69         | 12 | 12   | 6   | 4.5 | 7  | 3             |
| TCR05-3-M-M6x0.75    | M6x0.75    | P2       | 2.5P | 3   | 69         | 12 | 12   | 6   | 4.5 | 7  | 3             |
| TCR05-3-M-M7x0.75    | M7x0.75    | P3       | 2.5P | 3   | 78         | 13 | 10   | 6.2 | 5   | 8  | 3             |
| TCR05-3-M-M8x0.75    | M8x0.75    | P3       | 2.5P | 5   | 70         | 13 | 23   | 6.2 | 5   | 8  | 3             |
| TCR05-3-M-M10x0.75   | M10x0.75   | P3       | 2.5P | 5   | 75         | 13 | 30   | 7   | 5.5 | 8  | 3             |
| TCR05-3-M-NO.6-40UNF | NO.6-40UNF | P2       | 2.5P | 3   | 50         | 8  | 12   | 4   | 3.2 | 6  | 3             |
| TCR05-3-M-NO.8-36UNF | NO.8-36UNF | P2       | 2.5P | 3   | 57         | 8  | 13.5 | 5   | 4   | 7  | 3             |

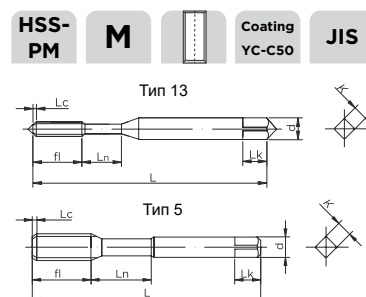
Метчики из быстрорежущей стали





# Метчик с прямыми канавками, подточкой заборного конуса и удлиненным хвостовиком для сквозных отверстий

Серия TCS05-VK-L-1



| Обозначение           | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |     |     |    |
|-----------------------|----------|----------|----|-----|------------|----|----|-----|-----|----|
|                       |          |          |    |     | L          | fl | Ln | d   | K   | Lk |
| TCS05-VK-L-1-M4x0.7   | M4x0.7   | 6HX      | 5P | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TCS05-VK-L-1-M5x0.8   | M5x0.8   | 6HX      | 5P | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TCS05-VK-L-1-M6x1     | M6x1     | 6HX      | 5P | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TCS05-VK-L-1-M7x1     | M7x1     | 6HX      | 5P | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TCS05-VK-L-1-M8x1.25  | M8x1.25  | 6HX      | 5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCS05-VK-L-1-M8x1     | M8x1     | 6HX      | 5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TCS05-VK-L-1-M10x1.5  | M10x1.5  | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCS05-VK-L-1-M10x1.25 | M10x1.25 | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCS05-VK-L-1-M10x1    | M10x1    | 6HX      | 5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TCS05-VK-L-1-M12x1.75 | M12x1.75 | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS05-VK-L-1-M12x1.5  | M12x1.5  | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS05-VK-L-1-M12x1.25 | M12x1.25 | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS05-VK-L-1-M12x1    | M12x1    | 6HX      | 5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TCS05-VK-L-1-M14x2    | M14x2    | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS05-VK-L-1-M14x1.5  | M14x1.5  | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS05-VK-L-1-M14x1.25 | M14x1.25 | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS05-VK-L-1-M14x1    | M14x1    | 6HX      | 5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TCS05-VK-L-1-M16x2    | M16x2    | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCS05-VK-L-1-M16x1.5  | M16x1.5  | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCS05-VK-L-1-M16x1.25 | M16x1.25 | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |
| TCS05-VK-L-1-M16x1    | M16x1    | 6HX      | 5P | 5   | 110        | 20 | 34 | 12  | 9   | 12 |

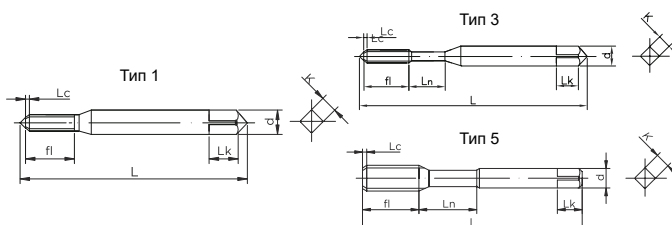
Метчики из быстрорежущей стали



# Метчик с прямыми канавками и подточкой заборного конуса для сквозных отверстий

Серия TCS05-VK-1

HSS-PM M Coating YC-C50 JIS



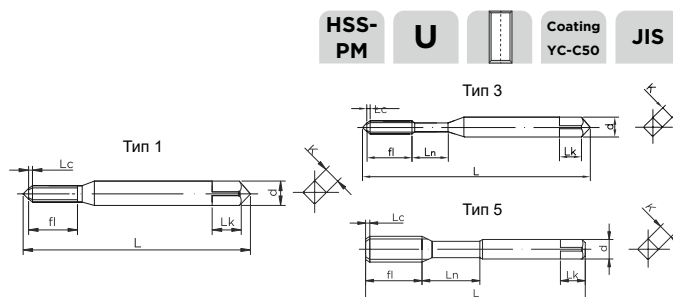
| Обозначение          | Резьба    | Точность | Lc | Тип | Размер, мм |      |     |      |     |    | Кол-во<br>зубьев |
|----------------------|-----------|----------|----|-----|------------|------|-----|------|-----|----|------------------|
|                      |           |          |    |     | L          | fl   | Ln  | d    | K   | Lk |                  |
| TCS05-VK-1-M1x0.25   | M1x0.25   | P1       | 5P | 1   | 37         | 4.5  | -   | 3    | 2.5 | 3  | 2                |
| TCS05-VK-1-M1.2x0.25 | M1.2x0.25 | P1       | 5P | 1   | 37         | 5.5  | -   | 3    | 2.5 | 3  | 2                |
| TCS05-VK-1-M1.4x0.3  | M1.4x0.3  | P1       | 5P | 1   | 37         | 9    | -   | 3    | 2.5 | 3  | 2                |
| TCS05-VK-1-M1.6x0.35 | M1.6x0.35 | P2       | 5P | 1   | 37         | 8    | -   | 3    | 2.5 | 3  | 2                |
| TCS05-VK-1-M2x0.4    | M2x0.4    | P2       | 5P | 1   | 45         | 11   | -   | 3    | 2.5 | 3  | 2                |
| TCS05-VK-1-M2.5x0.45 | M2.5x0.45 | P2       | 5P | 1   | 45         | 12   | -   | 3    | 2.5 | 3  | 2                |
| TCS05-VK-1-M3x0.5    | M3x0.5    | P2       | 5P | 3   | 50         | 12   | 7   | 4    | 3.2 | 6  | 3                |
| TCS05-VK-1-M3.5x0.6  | M3.5x0.6  | P2       | 5P | 3   | 50         | 13   | 7   | 4    | 3.2 | 6  | 3                |
| TCS05-VK-1-M4x0.7    | M4x0.7    | P2       | 5P | 3   | 57         | 14   | 7   | 5    | 4   | 7  | 3                |
| TCS05-VK-1-M5x0.8    | M5x0.8    | P2       | 5P | 3   | 66         | 16   | 9   | 5.5  | 4.5 | 7  | 3                |
| TCS05-VK-1-M6x1      | M6x1      | P2       | 5P | 3   | 69         | 19.5 | 9.5 | 6    | 4.5 | 7  | 3                |
| TCS05-VK-1-M7x1      | M7x1      | P3       | 5P | 3   | 78         | 13   | 10  | 6.2  | 5   | 8  | 3                |
| TCS05-VK-1-M8x1.25   | M8x1.25   | P3       | 5P | 5   | 70         | 22   | 15  | 6.2  | 5   | 8  | 3                |
| TCS05-VK-1-M8x1      | M8x1      | P3       | 5P | 5   | 70         | 22   | 15  | 6.2  | 5   | 8  | 3                |
| TCS05-VK-1-M10x1.5   | M10x1.5   | P4       | 5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3                |
| TCS05-VK-1-M10x1.25  | M10x1.25  | P3       | 5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3                |
| TCS05-VK-1-M10x1     | M10x1     | P3       | 5P | 5   | 75         | 24   | 19  | 7    | 5.5 | 8  | 3                |
| TCS05-VK-1-M12x1.75  | M12x1.75  | P4       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3                |
| TCS05-VK-1-M12x1.5   | M12x1.5   | P4       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3                |
| TCS05-VK-1-M12x1.25  | M12x1.25  | P4       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3                |
| TCS05-VK-1-M12x1     | M12x1     | P3       | 5P | 5   | 82         | 29   | 17  | 8.5  | 6.5 | 9  | 3                |
| TCS05-VK-1-M14x2     | M14x2     | P5       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3                |
| TCS05-VK-1-M14x1.5   | M14x1.5   | P4       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3                |
| TCS05-VK-1-M14x1.25  | M14x1.25  | P4       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3                |
| TCS05-VK-1-M14x1     | M14x1     | P3       | 5P | 5   | 88         | 20   | 31  | 10.5 | 8   | 11 | 3                |
| TCS05-VK-1-M16x2     | M16x2     | P5       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3                |
| TCS05-VK-1-M16x1.5   | M16x1.5   | P4       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3                |
| TCS05-VK-1-M16x1.25  | M16x1.25  | P4       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3                |
| TCS05-VK-1-M16x1     | M16x1     | P3       | 5P | 5   | 95         | 20   | 32  | 12.5 | 10  | 13 | 3                |

Метчики из быстрорежущей стали



# Метчик дюймовый с прямыми канавками и подточкой заборного конуса для сквозных отверстий

Серия TCS05-VK-1-UNF/UNC



HSS-PM U Coating YC-CSO JIS

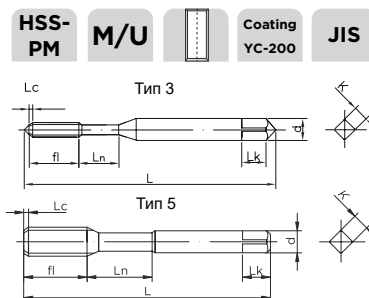
| Обозначение            | Резьба      | Точность | Lc | Тип | Размер, мм |      |     |      |     |    | Кол-во зубьев |
|------------------------|-------------|----------|----|-----|------------|------|-----|------|-----|----|---------------|
|                        |             |          |    |     | L          | fl   | Ln  | d    | K   | Lk |               |
| TCS05-VK-1-NO.0-80UNF  | NO.0-80UNF  | P1       | 5P | 1   | 37         | 10   | -   | 3    | 2.5 | 3  | 2             |
| TCS05-VK-1-NO.1-64UNC  | NO.1-64UNC  | P1       | 5P | 1   | 37         | 11   | -   | 3    | 2.5 | 3  | 2             |
| TCS05-VK-1-NO.2-56UNC  | NO.2-56UNC  | P1       | 5P | 1   | 45         | 12   | -   | 3    | 2.5 | 3  | 2             |
| TCS05-VK-1-NO.3-48UNC  | NO.3-48UNC  | P1       | 5P | 1   | 45         | 14   | -   | 3    | 2.5 | 3  | 2             |
| TCS05-VK-1-NO.4-40UNC  | NO.4-40UNC  | P2       | 5P | 1   | 45         | 13   | -   | 3    | 2.5 | 3  | 2             |
| TCS05-VK-1-NO.5-40UNC  | NO.5-40UNC  | P2       | 5P | 3   | 50         | 12   | 7   | 4    | 3.2 | 6  | 3             |
| TCS05-VK-1-NO.6-32UNC  | NO.6-32UNC  | P2       | 5P | 3   | 50         | 13   | 7   | 4    | 3.2 | 6  | 3             |
| TCS05-VK-1-NO.8-32UNC  | NO.8-32UNC  | P2       | 5P | 3   | 57         | 13.5 | 8   | 5    | 4   | 7  | 3             |
| TCS05-VK-1-NO.10-24UNC | NO.10-24UNC | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS05-VK-1-NO.10-32UNF | NO.10-32UNF | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS05-VK-1-NO.12-24UNC | NO.12-24UNC | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS05-VK-1-NO.12-28UNF | NO.12-28UNF | P2       | 5P | 3   | 66         | 16.5 | 9.5 | 5.5  | 4.5 | 7  | 3             |
| TCS05-VK-1-1/4-20UNC   | 1/4-20UNC   | P2       | 5P | 3   | 69         | 19.5 | 9.5 | 6    | 4.5 | 7  | 3             |
| TCS05-VK-1-1/4-28UNF   | 1/4-28UNF   | P2       | 5P | 3   | 69         | 19.5 | 9.5 | 6    | 4.5 | 7  | 3             |
| TCS05-VK-1-5/16-18UNC  | 5/16-18UNC  | P3       | 5P | 5   | 70         | 23   | 15  | 6.1  | 5   | 8  | 3             |
| TCS05-VK-1-5/16-24UNF  | 5/16-24UNF  | P3       | 5P | 5   | 70         | 23   | 15  | 6.1  | 5   | 8  | 3             |
| TCS05-VK-1-3/8-16UNC   | 3/8-16UNC   | P3       | 5P | 5   | 75         | 25   | 18  | 7    | 5.5 | 8  | 3             |
| TCS05-VK-1-3/8-24UNF   | 3/8-24UNF   | P3       | 5P | 5   | 75         | 25   | 18  | 7    | 5.5 | 8  | 3             |
| TCS05-VK-1-7/16-14UNC  | 7/16-14UNC  | P4       | 5P | 5   | 80         | 29   | 16  | 8    | 6   | 9  | 3             |
| TCS05-VK-1-7/16-20UNF  | 7/16-20UNF  | P3       | 5P | 5   | 80         | 29   | 16  | 8    | 6   | 9  | 3             |
| TCS05-VK-1-1/2-13UNC   | 1/2-13UNC   | P4       | 5P | 5   | 85         | 30   | 18  | 9    | 7   | 10 | 3             |
| TCS05-VK-1-1/2-20UNF   | 1/2-20UNF   | P3       | 5P | 5   | 85         | 30   | 18  | 9    | 7   | 10 | 3             |
| TCS05-VK-1-9/16-12UNC  | 9/16-12UNC  | P4       | 5P | 5   | 90         | 30   | 20  | 10.5 | 8   | 11 | 3             |
| TCS05-VK-1-9/16-18UNF  | 9/16-18UNF  | P3       | 5P | 5   | 90         | 30   | 20  | 10.5 | 8   | 11 | 3             |
| TCS05-VK-1-5/8-11UNC   | 5/8-11UNC   | P4       | 5P | 5   | 95         | 23   | 25  | 12   | 9   | 12 | 3             |
| TCS05-VK-1-5/8-18UNF   | 5/8-18UNF   | P3       | 5P | 5   | 95         | 23   | 25  | 12   | 9   | 12 | 3             |

Метчики из быстрорежущей стали



# Метчик с прямыми канавками, короткой режущей частью, подточкой заборного конуса и мелкой резьбой для сквозных отверстий

Серия TCS05-SC-VK-1-M



| Обозначение                | Резьба     | Точность | Lc | Тип | Размер, мм |    |      |     |     |    | Кол-во зубьев |
|----------------------------|------------|----------|----|-----|------------|----|------|-----|-----|----|---------------|
|                            |            |          |    |     | L          | fl | Ln   | d   | K   | Lk |               |
| TCS05-SC-VK-1-M-M3x0.35    | M3x0.35    | P2       | 5P | 3   | 50         | 5  | 13   | 4   | 3.2 | 6  | 3             |
| TCS05-SC-VK-1-M-M3.5x0.35  | M3.5x0.35  | P2       | 5P | 3   | 50         | 6  | 13   | 4   | 3.2 | 6  | 3             |
| TCS05-SC-VK-1-M-M4x0.5     | M4x0.5     | P2       | 5P | 3   | 57         | 9  | 11   | 5   | 4   | 7  | 3             |
| TCS05-SC-VK-1-M-M5x0.5     | M5x0.5     | P2       | 5P | 3   | 66         | 8  | 17   | 5.5 | 4.5 | 7  | 3             |
| TCS05-SC-VK-1-M-M6x0.5     | M6x0.5     | P2       | 5P | 3   | 69         | 12 | 12   | 6   | 4.5 | 7  | 3             |
| TCS05-SC-VK-1-M-M6x0.75    | M6x0.75    | P2       | 5P | 3   | 69         | 12 | 12   | 6   | 4.5 | 7  | 3             |
| TCS05-SC-VK-1-M-M7x0.75    | M7x0.75    | P3       | 5P | 3   | 78         | 13 | 10   | 6.2 | 5   | 8  | 3             |
| TCS05-SC-VK-1-M-M8x0.75    | M8x0.75    | P3       | 5P | 5   | 70         | 13 | 23   | 6.2 | 5   | 8  | 3             |
| TCS05-SC-VK-1-M-M10x0.75   | M10x0.75   | P3       | 5P | 5   | 75         | 13 | 30   | 7   | 5.5 | 8  | 3             |
| TCS05-SC-VK-1-M-NO.1-64UNF | NO.6-40UNF | P2       | 5P | 3   | 50         | 8  | 12   | 4   | 3.2 | 6  | 3             |
| TCS05-SC-VK-1-M-NO.8-36UNF | NO.8-36UNF | P2       | 5P | 3   | 57         | 8  | 13.5 | 5   | 4   | 7  | 3             |

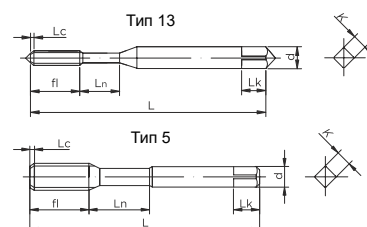


**Метчики  
из быстрорежущей стали  
для обработки чугуна**



# Метчик с прямыми канавками, короткой режущей частью и удлиненным хвостовиком

Серия TCS03-SC-L-3



| Обозначение           | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |    |     |    | Кол-во зубьев |
|-----------------------|----------|----------|----|-----|------------|----|----|----|-----|----|---------------|
|                       |          |          |    |     | L          | fl | Ln | d  | K   | Lk |               |
| TCS03-SC-L-3-M5x0.8   | M5x0.8   | 6HX      | 3P | 13  | 70         | 10 | 15 | 6  | 4.9 | 8  | 3             |
| TCS03-SC-L-3-M6x1     | M6x1     | 6HX      | 3P | 13  | 80         | 10 | 20 | 6  | 4.9 | 8  | 3             |
| TCS03-SC-L-3-M7x1     | M7x1     | 6HX      | 3P | 13  | 80         | 10 | 20 | 7  | 5.5 | 8  | 3             |
| TCS03-SC-L-3-M8x1.25  | M8x1.25  | 6HX      | 3P | 13  | 90         | 13 | 22 | 8  | 6.2 | 9  | 4             |
| TCS03-SC-L-3-M8x1     | M8x1     | 6HX      | 3P | 5   | 90         | 13 | 22 | 8  | 6.2 | 9  | 4             |
| TCS03-SC-L-3-M10x1.5  | M10x1.5  | 6HX      | 3P | 5   | 100        | 15 | 24 | 10 | 8   | 11 | 4             |
| TCS03-SC-L-3-M10x1.25 | M10x1.25 | 6HX      | 3P | 5   | 100        | 15 | 24 | 10 | 8   | 11 | 4             |
| TCS03-SC-L-3-M10x1    | M10x1    | 6HX      | 3P | 5   | 100        | 15 | 24 | 10 | 8   | 11 | 4             |
| TCS03-SC-L-3-M12x1.75 | M12x1.75 | 6HX      | 3P | 5   | 110        | 17 | 32 | 9  | 7   | 10 | 4             |
| TCS03-SC-L-3-M12x1.5  | M12x1.5  | 6HX      | 3P | 5   | 110        | 17 | 32 | 9  | 7   | 10 | 4             |
| TCS03-SC-L-3-M12x1.25 | M12x1.25 | 6HX      | 3P | 5   | 110        | 17 | 32 | 9  | 7   | 10 | 4             |
| TCS03-SC-L-3-M12x1    | M12x1    | 6HX      | 3P | 5   | 110        | 17 | 32 | 9  | 7   | 10 | 4             |
| TCS03-SC-L-3-M14x2    | M14x2    | 6HX      | 3P | 5   | 110        | 20 | 33 | 11 | 9   | 12 | 4             |
| TCS03-SC-L-3-M14x1.5  | M14x1.5  | 6HX      | 3P | 5   | 110        | 20 | 33 | 11 | 9   | 12 | 4             |
| TCS03-SC-L-3-M14x1.25 | M14x1.25 | 6HX      | 3P | 5   | 110        | 20 | 33 | 11 | 9   | 12 | 4             |
| TCS03-SC-L-3-M14x1    | M14x1    | 6HX      | 3P | 5   | 110        | 20 | 33 | 11 | 9   | 12 | 4             |
| TCS03-SC-L-3-M16x2    | M16x2    | 6HX      | 3P | 5   | 110        | 20 | 34 | 12 | 9   | 12 | 4             |
| TCS03-SC-L-3-M16x1.5  | M16x1.5  | 6HX      | 3P | 5   | 110        | 20 | 34 | 12 | 9   | 12 | 4             |
| TCS03-SC-L-3-M16x1.25 | M16x1.25 | 6HX      | 3P | 5   | 110        | 20 | 34 | 12 | 9   | 12 | 4             |
| TCS03-SC-L-3-M16x1    | M16x1    | 6HX      | 3P | 5   | 110        | 20 | 34 | 12 | 9   | 12 | 4             |

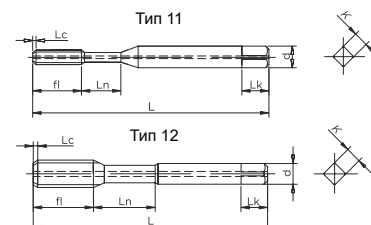
Метчики из быстрорежущей стали



# Метчик с прямыми канавками, короткой режущей частью, удлиненным хвостовиком и подводом СОЖ

Серия TCS03-SC-L-1/2-CC/CR

HSS-PM M СОЖ CC/CR ISO 6HX Coating YC-T50 DIN



| Обозначение              | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |    |     |    | Тип подвода СОЖ | Кол-во зубьев |
|--------------------------|----------|----------|----|-----|------------|----|----|----|-----|----|-----------------|---------------|
|                          |          |          |    |     | L          | fl | Ln | d  | K   | Lk |                 |               |
| TCS03-SC-L-1-M5x0.8-CR   | M5x0.8   | 6HX      | 3P | 11  | 70         | 10 | 15 | 6  | 4.9 | 8  | CR              | 3             |
| TCS03-SC-L-2-M5x0.8-CC   | M5x0.8   | 6HX      | 3P | 11  | 70         | 10 | 15 | 6  | 4.9 | 8  | CC              | 3             |
| TCS03-SC-L-1-M6x1-CR     | M6x1     | 6HX      | 3P | 11  | 80         | 10 | 20 | 6  | 4.9 | 8  | CR              | 3             |
| TCS03-SC-L-2-M6x1-CC     | M6x1     | 6HX      | 3P | 11  | 80         | 10 | 20 | 6  | 4.9 | 8  | CC              | 3             |
| TCS03-SC-L-1-M7x1-CR     | M7x1     | 6HX      | 3P | 11  | 80         | 10 | 20 | 7  | 5.5 | 8  | CR              | 3             |
| TCS03-SC-L-2-M7x1-CC     | M7x1     | 6HX      | 3P | 11  | 80         | 10 | 20 | 7  | 5.5 | 8  | CC              | 3             |
| TCS03-SC-L-1-M8x1.25-CR  | M8x1.25  | 6HX      | 3P | 12  | 90         | 13 | 22 | 8  | 6.2 | 9  | CR              | 4             |
| TCS03-SC-L-2-M8x1.25-CC  | M8x1.25  | 6HX      | 3P | 12  | 90         | 13 | 22 | 8  | 6.2 | 9  | CC              | 4             |
| TCS03-SC-L-1-M8x1-CR     | M8x1     | 6HX      | 3P | 12  | 90         | 13 | 22 | 8  | 6.2 | 9  | CR              | 4             |
| TCS03-SC-L-2-M8x1-CC     | M8x1     | 6HX      | 3P | 12  | 90         | 13 | 22 | 8  | 6.2 | 9  | CC              | 4             |
| TCS03-SC-L-1-M10x1.5-CR  | M10x1.5  | 6HX      | 3P | 12  | 100        | 15 | 24 | 10 | 8   | 11 | CR              | 4             |
| TCS03-SC-L-2-M10x1.5-CC  | M10x1.5  | 6HX      | 3P | 12  | 100        | 15 | 24 | 10 | 8   | 11 | CC              | 4             |
| TCS03-SC-L-1-M10x1.25-CR | M10x1.25 | 6HX      | 3P | 12  | 100        | 15 | 24 | 10 | 8   | 11 | CR              | 4             |
| TCS03-SC-L-2-M10x1.25-CC | M10x1.25 | 6HX      | 3P | 12  | 100        | 15 | 24 | 10 | 8   | 11 | CC              | 4             |
| TCS03-SC-L-1-M10x1-CR    | M10x1    | 6HX      | 3P | 12  | 100        | 15 | 24 | 10 | 8   | 11 | CR              | 4             |
| TCS03-SC-L-2-M10x1-CC    | M10x1    | 6HX      | 3P | 12  | 100        | 15 | 24 | 10 | 8   | 11 | CC              | 4             |
| TCS03-SC-L-1-M12x1.75-CR | M12x1.75 | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CR              | 4             |
| TCS03-SC-L-2-M12x1.75-CC | M12x1.75 | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CC              | 4             |
| TCS03-SC-L-1-M12x1.5-CR  | M12x1.5  | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CR              | 4             |
| TCS03-SC-L-2-M12x1.5-CC  | M12x1.5  | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CC              | 4             |
| TCS03-SC-L-1-M12x1.25-CR | M12x1.25 | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CR              | 4             |
| TCS03-SC-L-2-M12x1.25-CC | M12x1.25 | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CC              | 4             |
| TCS03-SC-L-1-M12x1-CR    | M12x1    | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CR              | 4             |
| TCS03-SC-L-2-M12x1-CC    | M12x1    | 6HX      | 3P | 12  | 110        | 17 | 32 | 9  | 7   | 10 | CC              | 4             |
| TCS03-SC-L-1-M14x2-CR    | M14x2    | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CR              | 4             |
| TCS03-SC-L-2-M14x2-CC    | M14x2    | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CC              | 4             |
| TCS03-SC-L-1-M14x1.5-CR  | M14x1.5  | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CR              | 4             |
| TCS03-SC-L-2-M14x1.5-CC  | M14x1.5  | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CC              | 4             |
| TCS03-SC-L-1-M14x1.25-CR | M14x1.25 | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CR              | 4             |
| TCS03-SC-L-2-M14x1.25-CC | M14x1.25 | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CC              | 4             |
| TCS03-SC-L-1-M14x1-CR    | M14x1    | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CR              | 4             |
| TCS03-SC-L-2-M14x1-CC    | M14x1    | 6HX      | 3P | 12  | 110        | 20 | 33 | 11 | 9   | 12 | CC              | 4             |

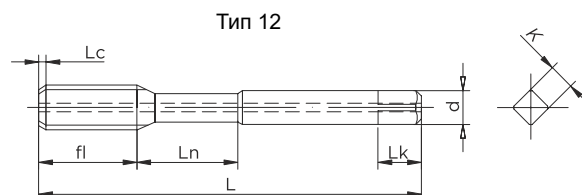
Метчики из быстрорежущей стали





# Метчик с прямыми канавками, короткой режущей частью, удлиненным хвостовиком и подводом СОЖ

Серия TCS03-SC-L-1/2-CC/CR



| Обозначение              | Резьба   | Точность | Lc | Тип | Размер, мм |    |    |    |   |    | Тип подвода СОЖ | Кол-во зубьев |
|--------------------------|----------|----------|----|-----|------------|----|----|----|---|----|-----------------|---------------|
|                          |          |          |    |     | L          | fl | Ln | d  | K | Lk |                 |               |
| TCS03-SC-L-1-M16x2-CR    | M16x2    | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CR              | 4             |
| TCS03-SC-L-2-M16x2-CC    | M16x2    | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CC              | 4             |
| TCS03-SC-L-1-M16x1.5-CR  | M16x1.5  | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CR              | 4             |
| TCS03-SC-L-2-M16x1.5-CC  | M16x1.5  | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CC              | 4             |
| TCS03-SC-L-1-M16x1.25-CR | M16x1.25 | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CR              | 4             |
| TCS03-SC-L-2-M16x1.25-CC | M16x1.25 | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CC              | 4             |
| TCS03-SC-L-1-M16x1-CR    | M16x1    | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CR              | 4             |
| TCS03-SC-L-2-M16x1-6H-CC | M16x1    | 6HX      | 3P | 12  | 110        | 20 | 34 | 12 | 9 | 12 | CC              | 4             |

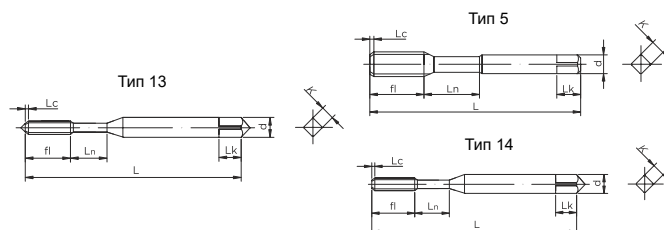
Метчики из быстрорежущей стали

**Метчики из твердого сплава**  
для обработки алюминия,  
меди и цветных сплавов



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS15-SC-L-1/2



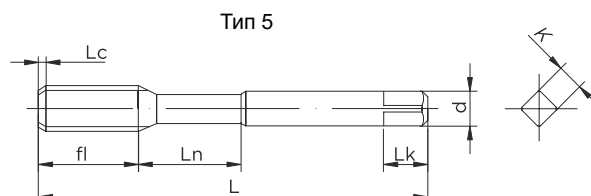
| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |
| TFS15-SC-L-1-M4x0.7   | M4x0.7   | RH7      | 4P   | 13  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS15-SC-L-2-M4x0.7   | M4x0.7   | RH7      | 2.5P | 14  | 63         | 9  | 12 | 4.5 | 3.4 | 6  |
| TFS15-SC-L-1-M5x0.8   | M5x0.8   | RH7      | 4P   | 13  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS15-SC-L-2-M5x0.8   | M5x0.8   | RH7      | 2.5P | 14  | 70         | 10 | 15 | 6   | 4.9 | 8  |
| TFS15-SC-L-1-M6x1     | M6x1     | RH7      | 4P   | 13  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS15-SC-L-2-M6x1     | M6x1     | RH7      | 2.5P | 14  | 80         | 10 | 20 | 6   | 4.9 | 8  |
| TFS15-SC-L-1-M7x1     | M7x1     | RH7      | 4P   | 13  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS15-SC-L-2-M7x1     | M7x1     | RH7      | 2.5P | 14  | 80         | 10 | 20 | 7   | 5.5 | 8  |
| TFS15-SC-L-1-M8x1.25  | M8x1.25  | RH7      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS15-SC-L-2-M8x1.25  | M8x1.25  | RH7      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS15-SC-L-1-M8x1     | M8x1     | RH7      | 4P   | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS15-SC-L-2-M8x1     | M8x1     | RH7      | 2.5P | 5   | 90         | 13 | 22 | 8   | 6.2 | 9  |
| TFS15-SC-L-1-M10x1.5  | M10x1.5  | RH8      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS15-SC-L-2-M10x1.5  | M10x1.5  | RH8      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS15-SC-L-1-M10x1.25 | M10x1.25 | RH7      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS15-SC-L-2-M10x1.25 | M10x1.25 | RH7      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS15-SC-L-1-M10x1    | M10x1    | RH7      | 4P   | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS15-SC-L-2-M10x1    | M10x1    | RH7      | 2.5P | 5   | 100        | 15 | 24 | 10  | 8   | 11 |
| TFS15-SC-L-1-M12x1.75 | M12x1.75 | RH9      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-2-M12x1.75 | M12x1.75 | RH9      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-1-M12x1.5  | M12x1.5  | RH8      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-2-M12x1.5  | M12x1.5  | RH8      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-1-M12x1.25 | M12x1.25 | RH7      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-2-M12x1.25 | M12x1.25 | RH7      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-1-M12x1    | M12x1    | RH7      | 4P   | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-2-M12x1    | M12x1    | RH7      | 2.5P | 5   | 110        | 17 | 32 | 9   | 7   | 10 |
| TFS15-SC-L-1-M14x2    | M14x2    | RH10     | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS15-SC-L-2-M14x2    | M14x2    | RH10     | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS15-SC-L-1-M14x1.5  | M14x1.5  | RH8      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS15-SC-L-2-M14x1.5  | M14x1.5  | RH8      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS15-SC-L-1-M14x1.25 | M14x1.25 | RH7      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS15-SC-L-2-M14x1.25 | M14x1.25 | RH7      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS15-SC-L-1-M14x1    | M14x1    | RH7      | 4P   | 5   | 110        | 20 | 33 | 11  | 9   | 12 |
| TFS15-SC-L-2-M14x1    | M14x1    | RH7      | 2.5P | 5   | 110        | 20 | 33 | 11  | 9   | 12 |

Метчики из твердого сплава



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS15-SC-L-1/2

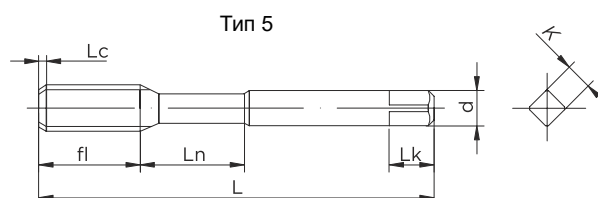


| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    |
|-----------------------|----------|----------|------|-----|------------|----|----|----|------|----|
|                       |          |          |      |     | L          | fl | Ln | d  | K    | Lk |
| TFS15-SC-L-1-M16x2    | M16x2    | RH10     | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-2-M16x2    | M16x2    | RH10     | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-1-M16x1.5  | M16x1.5  | RH8      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-2-M16x1.5  | M16x1.5  | RH8      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-1-M16x1.25 | M16x1.25 | RH7      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-2-M16x1.25 | M16x1.25 | RH7      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-1-M16x1    | M16x1    | RH7      | 4P   | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-2-M16x1    | M16x1    | RH7      | 2.5P | 5   | 110        | 20 | 34 | 12 | 9    | 12 |
| TFS15-SC-L-1-M18x2.5  | M18x2.5  | RH10     | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS15-SC-L-2-M18x2.5  | M18x2.5  | RH10     | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS15-SC-L-1-M18x2    | M18x2    | RH10     | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS15-SC-L-2-M18x2    | M18x2    | RH10     | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS15-SC-L-1-M18x1.5  | M18x1.5  | RH8      | 4P   | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS15-SC-L-2-M18x1.5  | M18x1.5  | RH8      | 2.5P | 5   | 125        | 25 | 36 | 14 | 11   | 14 |
| TFS15-SC-L-1-M20x2.5  | M20x2.5  | RH10     | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS15-SC-L-2-M20x2.5  | M20x2.5  | RH10     | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS15-SC-L-1-M20x2    | M20x2    | RH10     | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS15-SC-L-2-M20x2    | M20x2    | RH10     | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS15-SC-L-1-M20x1.5  | M20x1.5  | RH8      | 4P   | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS15-SC-L-2-M20x1.5  | M20x1.5  | RH8      | 2.5P | 5   | 140        | 25 | 44 | 16 | 12   | 15 |
| TFS15-SC-L-1-M22x2.5  | M22x2.5  | RH10     | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS15-SC-L-2-M22x2.5  | M22x2.5  | RH10     | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS15-SC-L-1-M22x2    | M22x2    | RH10     | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS15-SC-L-2-M22x2    | M22x2    | RH10     | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS15-SC-L-1-M22x1.5  | M22x1.5  | RH8      | 4P   | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |
| TFS15-SC-L-2-M22x1.5  | M22x1.5  | RH8      | 2.5P | 5   | 140        | 25 | 44 | 18 | 14.5 | 17 |



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком

Серия TFS15-SC-L-1/2



| Обозначение          | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    |
|----------------------|---------|----------|------|-----|------------|----|----|----|------|----|
|                      |         |          |      |     | L          | fl | Ln | d  | K    | Lk |
| TFS15-SC-L-1-M24x3   | M24x3   | RH12     | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS15-SC-L-2-M24x3   | M24x3   | RH12     | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS15-SC-L-1-M24x2.5 | M24x2.5 | RH10     | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS15-SC-L-2-M24x2.5 | M24x2.5 | RH10     | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS15-SC-L-1-M24x2   | M24x2   | RH10     | 4P   | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS15-SC-L-2-M24x2   | M24x2   | RH10     | 2.5P | 5   | 160        | 30 | 48 | 18 | 14.5 | 17 |
| TFS15-SC-L-1-M27x3   | M27x3   | RH10     | 4P   | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS15-SC-L-2-M27x3   | M27x3   | RH10     | 2.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS15-SC-L-1-M27x2.5 | M27x2.5 | RH10     | 4P   | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS15-SC-L-2-M27x2.5 | M27x2.5 | RH10     | 2.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS15-SC-L-1-M27x2   | M27x2   | RH10     | 4P   | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS15-SC-L-2-M27x2   | M27x2   | RH10     | 2.5P | 5   | 160        | 30 | 48 | 20 | 16   | 19 |
| TFS15-SC-L-1-M30x3.5 | M30x3.5 | RH13     | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS15-SC-L-2-M30x3.5 | M30x3.5 | RH13     | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS15-SC-L-1-M30x3   | M30x3   | RH12     | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS15-SC-L-2-M30x3   | M30x3   | RH12     | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS15-SC-L-1-M30x2.5 | M30x2.5 | RH10     | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS15-SC-L-2-M30x2.5 | M30x2.5 | RH10     | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS15-SC-L-1-M30x2   | M30x2   | RH10     | 4P   | 5   | 180        | 35 | 53 | 22 | 18   | 21 |
| TFS15-SC-L-2-M30x2   | M30x2   | RH10     | 2.5P | 5   | 180        | 35 | 53 | 22 | 18   | 21 |

Метчики из твердого сплава



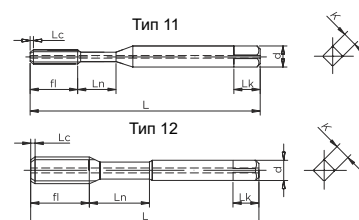
# Метчик-раскатчик с прямыми канавками, короткой формирующей частью, удлиненным хвостовиком и подводом СОЖ

Серия TFS15-SC-L-1/2-CC/CR



Тип CC

Тип CR

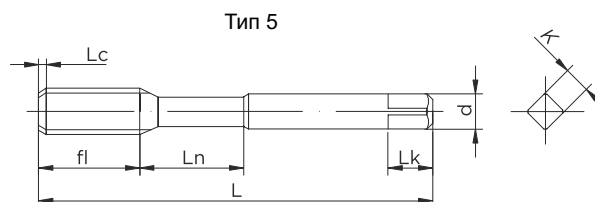


| Обозначение              | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    | Тип подвода СОЖ |
|--------------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|-----------------|
|                          |          |          |      |     | L          | fl | Ln | d   | K   | Lk |                 |
| TFS15-SC-L-1-M4x0.7-CR   | M4x0.7   | 6HX      | 4P   | 11  | 63         | 9  | 12 | 4.5 | 3.4 | 6  | CR              |
| TFS15-SC-L-2-M4x0.7-CC   | M4x0.7   | 6HX      | 2.5P | 11  | 63         | 9  | 12 | 4.5 | 3.4 | 6  | CC              |
| TFS15-SC-L-1-M5x0.8-CR   | M5x0.8   | 6HX      | 4P   | 11  | 70         | 10 | 15 | 6   | 4.9 | 8  | CR              |
| TFS15-SC-L-2-M5x0.8-CC   | M5x0.8   | 6HX      | 2.5P | 11  | 70         | 10 | 15 | 6   | 4.9 | 8  | CC              |
| TFS15-SC-L-1-M6x1-CR     | M6x1     | 6HX      | 4P   | 11  | 80         | 10 | 20 | 6   | 4.9 | 8  | CR              |
| TFS15-SC-L-2-M6x1-CC     | M6x1     | 6HX      | 2.5P | 11  | 80         | 10 | 20 | 6   | 4.9 | 8  | CC              |
| TFS15-SC-L-1-M7x1-CR     | M7x1     | 6HX      | 4P   | 11  | 80         | 10 | 20 | 7   | 5.5 | 8  | CR              |
| TFS15-SC-L-2-M7x1-CC     | M7x1     | 6HX      | 2.5P | 11  | 80         | 10 | 20 | 7   | 5.5 | 8  | CC              |
| TFS15-SC-L-1-M8x1.25-CR  | M8x1.25  | 6HX      | 4P   | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CR              |
| TFS15-SC-L-2-M8x1.25-CC  | M8x1.25  | 6HX      | 2.5P | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CC              |
| TFS15-SC-L-1-M8x1-CR     | M8x1     | 6HX      | 4P   | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CR              |
| TFS15-SC-L-2-M8x1-CC     | M8x1     | 6HX      | 2.5P | 12  | 90         | 13 | 22 | 8   | 6.2 | 9  | CC              |
| TFS15-SC-L-1-M10x1.5-CR  | M10x1.5  | 6HX      | 4P   | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CR              |
| TFS15-SC-L-2-M10x1.5-CC  | M10x1.5  | 6HX      | 2.5P | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CC              |
| TFS15-SC-L-1-M10x1.25-CR | M10x1.25 | 6HX      | 4P   | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CR              |
| TFS15-SC-L-2-M10x1.25-CC | M10x1.25 | 6HX      | 2.5P | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CC              |
| TFS15-SC-L-1-M10x1-CR    | M10x1    | 6HX      | 4P   | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CR              |
| TFS15-SC-L-2-M10x1-CC    | M10x1    | 6HX      | 2.5P | 12  | 100        | 15 | 24 | 10  | 8   | 11 | CC              |
| TFS15-SC-L-1-M12x1.75-CR | M12x1.75 | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS15-SC-L-2-M12x1.75-CC | M12x1.75 | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS15-SC-L-1-M12x1.5-CR  | M12x1.5  | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS15-SC-L-2-M12x1.5-CC  | M12x1.5  | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS15-SC-L-1-M12x1.25-CR | M12x1.25 | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS15-SC-L-2-M12x1.25-CC | M12x1.25 | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS15-SC-L-1-M12x1-CR    | M12x1    | 6HX      | 4P   | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CR              |
| TFS15-SC-L-2-M12x1-CC    | M12x1    | 6HX      | 2.5P | 12  | 110        | 17 | 32 | 9   | 7   | 10 | CC              |
| TFS15-SC-L-1-M14x2-CR    | M14x2    | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS15-SC-L-2-M14x2-CC    | M14x2    | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |
| TFS15-SC-L-1-M14x1.5-CR  | M14x1.5  | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS15-SC-L-2-M14x1.5-CC  | M14x1.5  | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |
| TFS15-SC-L-1-M14x1.25-CR | M14x1.25 | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS15-SC-L-2-M14x1.25-CC | M14x1.25 | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |
| TFS15-SC-L-1-M14x1-CR    | M14x1    | 6HX      | 4P   | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CR              |
| TFS15-SC-L-2-M14x1-CC    | M14x1    | 6HX      | 2.5P | 12  | 110        | 20 | 33 | 11  | 9   | 12 | CC              |



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью, удлиненным хвостовиком и подводом СОЖ

Серия TFS15-SC-L-1/2-CC/CR



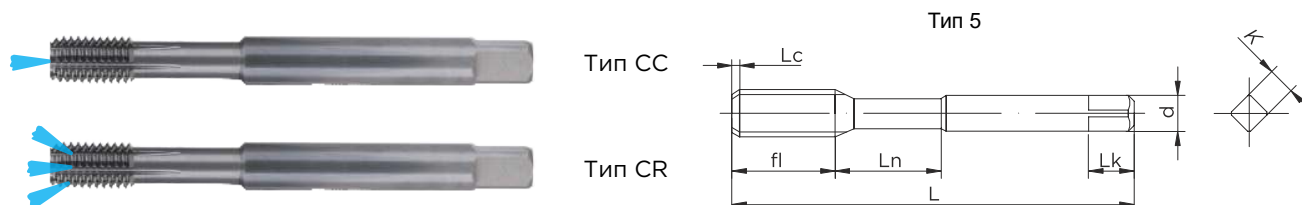
| Обозначение              | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    | Тип подвода СОЖ |
|--------------------------|----------|----------|------|-----|------------|----|----|----|------|----|-----------------|
|                          |          |          |      |     | L          | fl | Ln | d  | K    | Lk |                 |
| TFS15-SC-L-1-M16x2-CR    | M16x2    | RH10     | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS15-SC-L-2-M16x2-CC    | M16x2    | RH10     | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS15-SC-L-1-M16x1.5-CR  | M16x1.5  | RH8      | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS15-SC-L-2-M16x1.5-CC  | M16x1.5  | RH8      | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS15-SC-L-1-M16x1.25-CR | M16x1.25 | RH7      | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS15-SC-L-2-M16x1.25-CC | M16x1.25 | RH7      | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS15-SC-L-1-M16x1-CR    | M16x1    | RH7      | 4P   | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CR              |
| TFS15-SC-L-2-M16x1-CC    | M16x1    | RH7      | 2.5P | 12  | 110        | 20 | 34 | 12 | 9    | 12 | CC              |
| TFS15-SC-L-1-M18x2.5-CR  | M18x2.5  | RH10     | 4P   | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CR              |
| TFS15-SC-L-2-M18x2.5-CC  | M18x2.5  | RH10     | 2.5P | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CC              |
| TFS15-SC-L-1-M18x2-CR    | M18x2    | RH10     | 4P   | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CR              |
| TFS15-SC-L-2-M18x2-CC    | M18x2    | RH10     | 2.5P | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CC              |
| TFS15-SC-L-1-M18x1.5-CR  | M18x1.5  | RH8      | 4P   | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CR              |
| TFS15-SC-L-2-M18x1.5-CC  | M18x1.5  | RH8      | 2.5P | 12  | 125        | 25 | 36 | 14 | 11   | 14 | CC              |
| TFS15-SC-L-1-M20x2.5-CR  | M20x2.5  | RH10     | 4P   | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CR              |
| TFS15-SC-L-2-M20x2.5-CC  | M20x2.5  | RH10     | 2.5P | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CC              |
| TFS15-SC-L-1-M20x2-CR    | M20x2    | RH10     | 4P   | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CR              |
| TFS15-SC-L-2-M20x2-CC    | M20x2    | RH10     | 2.5P | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CC              |
| TFS15-SC-L-1-M20x1.5-CR  | M20x1.5  | RH8      | 4P   | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CR              |
| TFS15-SC-L-2-M20x1.5-CC  | M20x1.5  | RH8      | 2.5P | 12  | 140        | 25 | 44 | 16 | 12   | 15 | CC              |
| TFS15-SC-L-1-M22x2.5-CR  | M22x2.5  | RH10     | 4P   | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CR              |
| TFS15-SC-L-2-M22x2.5-CC  | M22x2.5  | RH10     | 2.5P | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CC              |
| TFS15-SC-L-1-M22x2-CR    | M22x2    | RH10     | 4P   | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CR              |
| TFS15-SC-L-2-M22x2-CC    | M22x2    | RH10     | 2.5P | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CC              |
| TFS15-SC-L-1-M22x1.5-CR  | M22x1.5  | RH8      | 4P   | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CR              |
| TFS15-SC-L-2-M22x1.5-CC  | M22x1.5  | RH8      | 2.5P | 12  | 140        | 25 | 44 | 18 | 14.5 | 17 | CC              |
| TFS15-SC-L-1-M24x3-CR    | M24x3    | RH12     | 4P   | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CR              |
| TFS15-SC-L-2-M24x3-CC    | M24x3    | RH12     | 2.5P | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CC              |
| TFS15-SC-L-1-M24x2.5-CR  | M24x2.5  | RH10     | 4P   | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CR              |
| TFS15-SC-L-2-M24x2.5-CC  | M24x2.5  | RH10     | 2.5P | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CC              |
| TFS15-SC-L-1-M24x2-CR    | M24x2    | RH10     | 4P   | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CR              |
| TFS15-SC-L-2-M24x2-CC    | M24x2    | RH10     | 2.5P | 12  | 160        | 30 | 48 | 18 | 14.5 | 17 | CC              |

Метчики из твердого сплава



# Метчик-раскатчик с прямыми канавками, короткой формирующей частью и удлиненным хвостовиком и подводом СОЖ

Серия TFS15-SC-L-1/2-CC/CR



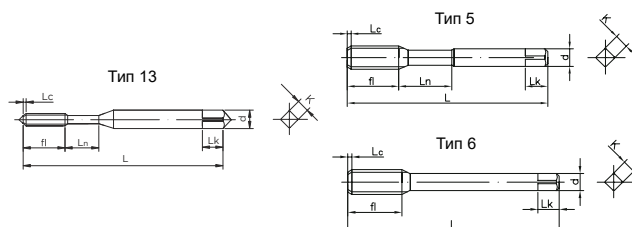
| Обозначение             | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |    |    | Тип подвода СОЖ |
|-------------------------|---------|----------|------|-----|------------|----|----|----|----|----|-----------------|
|                         |         |          |      |     | L          | fl | Ln | d  | K  | Lk |                 |
| TFS15-SC-L-1-M27x3-CR   | M27x3   | RH10     | 4P   | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CR              |
| TFS15-SC-L-2-M27x3-CC   | M27x3   | RH10     | 2.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS15-SC-L-1-M27x2.5-CR | M27x2.5 | RH10     | 4P   | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CR              |
| TFS15-SC-L-2-M27x2.5-CC | M27x2.5 | RH10     | 2.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS15-SC-L-1-M27x2-CR   | M27x2   | RH10     | 4P   | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CR              |
| TFS15-SC-L-2-M27x2-CC   | M27x2   | RH10     | 2.5P | 12  | 160        | 30 | 48 | 20 | 16 | 19 | CC              |
| TFS15-SC-L-1-M30x3.5-CR | M30x3.5 | RH13     | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS15-SC-L-2-M30x3.5-CC | M30x3.5 | RH13     | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS15-SC-L-1-M30x3-CR   | M30x3   | RH12     | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS15-SC-L-2-M30x3-CC   | M30x3   | RH12     | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS15-SC-L-1-M30x2.5-CR | M30x2.5 | RH10     | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS15-SC-L-2-M30x2.5-CC | M30x2.5 | RH10     | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |
| TFS15-SC-L-1-M30x2-CR   | M30x2   | RH10     | 4P   | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CR              |
| TFS15-SC-L-2-M30x2-CC   | M30x2   | RH10     | 2.5P | 12  | 180        | 35 | 53 | 22 | 18 | 21 | CC              |





# Метчик с правыми спиральными канавками и удлиненным хвостовиком

Серия TCR15-L-3



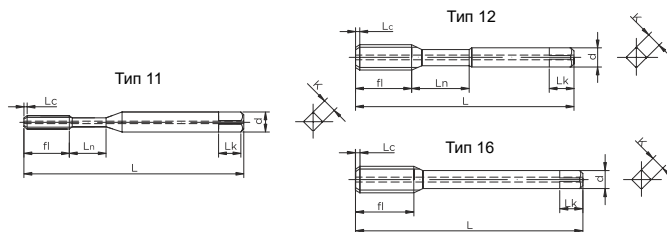
| Обозначение        | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |      |    | Кол-во<br>зубьев |
|--------------------|----------|----------|------|-----|------------|----|----|-----|------|----|------------------|
|                    |          |          |      |     | L          | fl | Ln | d   | K    | Lk |                  |
| TCR15-L-3-M4x0.7   | M4x0.7   | P2       | 2.5P | 13  | 63         | 13 | 8  | 4.5 | 34   | 6  | 3                |
| TCR15-L-3-M5x0.8   | M5x0.8   | P2       | 2.5P | 13  | 70         | 15 | 10 | 6   | 49   | 8  | 3                |
| TCR15-L-3-M6x1     | M6x1     | P2       | 2.5P | 13  | 80         | 17 | 13 | 6   | 49   | 8  | 3                |
| TCR15-L-3-M7x1     | M7x1     | P3       | 2.5P | 13  | 80         | 17 | 13 | 7   | 5.5  | 8  | 3                |
| TCR15-L-3-M8x1     | M8x1     | P3       | 2.5P | 5   | 90         | 16 | 19 | 8   | 6.2  | 9  | 3                |
| TCR15-L-3-M8x1.25  | M8x1.25  | P3       | 2.5P | 5   | 90         | 16 | 19 | 8   | 6.2  | 9  | 3                |
| TCR15-L-3-M10x1.5  | M10x1.5  | P4       | 2.5P | 5   | 100        | 18 | 21 | 10  | 8    | 11 | 3                |
| TCR15-L-3-M10x1.25 | M10x1.25 | P3       | 2.5P | 5   | 100        | 18 | 21 | 10  | 8    | 11 | 3                |
| TCR15-L-3-M12x1.75 | M12x1.75 | P4       | 2.5P | 6   | 110        | 22 | -  | 9   | 7    | 10 | 3                |
| TCR15-L-3-M12x1.5  | M12x1.5  | P4       | 2.5P | 6   | 110        | 22 | -  | 9   | 7    | 10 | 3                |
| TCR15-L-3-M12x1.25 | M12x1.25 | P3       | 2.5P | 6   | 110        | 22 | -  | 9   | -    | 10 | 3                |
| TCR15-L-3-M14x2    | M14x2    | P5       | 2.5P | 6   | 110        | 26 | -  | 11  | 9    | 12 | 3                |
| TCR15-L-3-M14x1.5  | M14x1.5  | P4       | 2.5P | 6   | 110        | 22 | -  | 11  | 9    | 12 | 3                |
| TCR15-L-3-M14x1.25 | M14x1.25 | P3       | 2.5P | 6   | 110        | 22 | -  | 11  | 9    | 12 | 3                |
| TCR15-L-3-M16x2    | M16x2    | P5       | 2.5P | 6   | 110        | 27 | -  | 12  | 9    | 12 | 3                |
| TCR15-L-3-M16x1.5  | M16x1.5  | P4       | 2.5P | 6   | 110        | 22 | -  | 12  | 9    | 12 | 3                |
| TCR15-L-3-M16x1.25 | M16x1.25 | P3       | 2.5P | 6   | 110        | 18 | -  | 12  | 9    | 12 | 3                |
| TCR15-L-3-M18x2.5  | M18x2.5  | P6       | 2.5P | 6   | 125        | 30 | -  | 14  | 11   | 14 | 4                |
| TCR15-L-3-M18x2    | M18x2    | P5       | 2.5P | 6   | 125        | 26 | -  | 14  | 11   | 14 | 4                |
| TCR15-L-3-M18x1.5  | M18x1.5  | P4       | 2.5P | 6   | 125        | 25 | -  | 14  | 11   | 14 | 4                |
| TCR15-L-3-M20x2.5  | M20x2.5  | P6       | 2.5P | 6   | 140        | 32 | -  | 16  | 12   | 15 | 4                |
| TCR15-L-3-M20x2    | M20x2    | P5       | 2.5P | 6   | 140        | 27 | -  | 16  | 12   | 15 | 4                |
| TCR15-L-3-M20x1.5  | M20x1.5  | P4       | 2.5P | 6   | 140        | 25 | -  | 16  | 12   | 15 | 4                |
| TCR15-L-3-M22x2.5  | M22x2.5  | P6       | 2.5P | 6   | 140        | 32 | -  | 18  | 14.5 | 17 | 4                |
| TCR15-L-3-M22x2    | M22x2    | P5       | 2.5P | 6   | 140        | 27 | -  | 18  | 14.5 | 17 | 4                |
| TCR15-L-3-M22x1.5  | M22x1.5  | P4       | 2.5P | 6   | 140        | 25 | -  | 18  | 14.5 | 17 | 4                |
| TCR15-L-3-M24x3    | M24x3    | P6       | 2.5P | 6   | 140        | 34 | -  | 18  | 14.5 | 17 | 4                |
| TCR15-L-3-M24x2    | M24x2    | P5       | 2.5P | 6   | 140        | 27 | -  | 18  | 14.5 | 17 | 4                |
| TCR15-L-3-M24x1.5  | M24x1.5  | P4       | 2.5P | 6   | 140        | 27 | -  | 18  | 14.5 | 17 | 4                |
| TCR15-L-3-M27x3    | M27x3    | P6       | 2.5P | 6   | 160        | 36 | -  | 20  | 16   | 19 | 4                |
| TCR15-L-3-M30x3.5  | M30x3.5  | P7       | 2.5P | 6   | 180        | 40 | -  | 22  | 18   | 21 | 4                |

Метчики из твердого сплава



# Метчик с правыми спиральными канавками, удлинненным хвостовиком и подводом СОЖ

Серия TCR15-L-1/2-CC/CR



| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |     |     |    | Тип подвода СОЖ | Кол-во зубьев |
|-----------------------|----------|----------|------|-----|------------|----|----|-----|-----|----|-----------------|---------------|
|                       |          |          |      |     | L          | fl | Ln | d   | K   | Lk |                 |               |
| TCR15-L-1-M4x0.7-CR   | M4x0.7   | P2       | 2.5P | 11  | 63         | 13 | 8  | 4.5 | 3.4 | 6  | CR              | 3             |
| TCR15-L-2-M4x0.7-CC   | M4x0.7   | P2       | 2.5P | 11  | 63         | 13 | 8  | 4.5 | 3.4 | 6  | CC              | 3             |
| TCR15-L-1-M5x0.8-CR   | M5x0.8   | P2       | 2.5P | 11  | 70         | 15 | 10 | 6   | 4.9 | 8  | CR              | 3             |
| TCR15-L-2-M5x0.8-CC   | M5x0.8   | P2       | 2.5P | 11  | 70         | 15 | 10 | 6   | 4.9 | 8  | CC              | 3             |
| TCR15-L-1-M6x1-CR     | M6x1     | P2       | 2.5P | 11  | 80         | 17 | 13 | 6   | 4.9 | 8  | CR              | 3             |
| TCR15-L-2-M6x1-CC     | M6x1     | P2       | 2.5P | 11  | 80         | 17 | 13 | 6   | 4.9 | 8  | CC              | 3             |
| TCR15-L-1-M7x1-CR     | M7x1     | P3       | 2.5P | 11  | 80         | 17 | 13 | 7   | 5.5 | 8  | CR              | 3             |
| TCR15-L-2-M7x1-CC     | M7x1     | P3       | 2.5P | 11  | 80         | 17 | 13 | 7   | 5.5 | 8  | CC              | 3             |
| TCR15-L-1-M8x1.25-CR  | M8x1     | P3       | 2.5P | 12  | 90         | 16 | 19 | 8   | 6.2 | 9  | CR              | 3             |
| TCR15-L-2-M8x1.25-CC  | M8x1     | P3       | 2.5P | 12  | 90         | 16 | 19 | 8   | 6.2 | 9  | CC              | 3             |
| TCR15-L-1-M8x1.25-CR  | M8x1.25  | P3       | 2.5P | 12  | 90         | 16 | 19 | 8   | 6.2 | 9  | CR              | 3             |
| TCR15-L-2-M8x1.25-CC  | M8x1.25  | P3       | 2.5P | 12  | 90         | 16 | 19 | 8   | 6.2 | 9  | CC              | 3             |
| TCR15-L-1-M10x1.5-CR  | M10x1.5  | P4       | 2.5P | 12  | 100        | 18 | 21 | 10  | 8   | 11 | CR              | 3             |
| TCR15-L-2-M10x1.5-CC  | M10x1.5  | P4       | 2.5P | 12  | 100        | 18 | 21 | 10  | 8   | 11 | CC              | 3             |
| TCR15-L-1-M10x1.25-CR | M10x1.25 | P3       | 2.5P | 12  | 100        | 18 | 21 | 10  | 8   | 11 | CR              | 3             |
| TCR15-L-2-M10x1.25-CC | M10x1.25 | P3       | 2.5P | 12  | 100        | 18 | 21 | 10  | 8   | 11 | CC              | 3             |
| TCR15-L-1-M12x1.75-CR | M12x1.75 | P4       | 2.5P | 16  | 110        | 22 | -  | 9   | 7   | 10 | CR              | 3             |
| TCR15-L-2-M12x1.75-CC | M12x1.75 | P4       | 2.5P | 16  | 110        | 22 | -  | 9   | 7   | 10 | CC              | 3             |
| TCR15-L-1-M12x1.5-CR  | M12x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 9   | 7   | 10 | CR              | 3             |
| TCR15-L-2-M12x1.5-CC  | M12x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 9   | 7   | 10 | CC              | 3             |
| TCR15-L-1-M12x1.25-CR | M12x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 9   | 7   | 10 | CR              | 3             |
| TCR15-L-2-M12x1.25-CC | M12x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 9   | 7   | 10 | CC              | 3             |
| TCR15-L-1-M14x2-CR    | M14x2    | PS       | 2.5P | 16  | 110        | 26 | -  | 11  | 9   | 12 | CR              | 3             |
| TCR15-L-2-M14x2-CC    | M14x2    | PS       | 2.5P | 16  | 110        | 26 | -  | 11  | 9   | 12 | CC              | 3             |
| TCR15-L-1-M14x1.5-CR  | M14x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 11  | 9   | 12 | CR              | 3             |
| TCR15-L-2-M14x1.5-CC  | M14x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 11  | 9   | 12 | CC              | 3             |
| TCR15-L-1-M14x1.25-CR | M14x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 11  | 9   | 12 | CR              | 3             |
| TCR15-L-2-M14x1.25-CC | M14x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 11  | 9   | 12 | CC              | 3             |
| TCR15-L-1-M16x2-CR    | M16x2    | PS       | 2.5P | 16  | 110        | 27 | -  | 12  | 9   | 12 | CR              | 3             |
| TCR15-L-2-M16x2-CC    | M16x2    | PS       | 2.5P | 16  | 110        | 27 | -  | 12  | 9   | 12 | CC              | 3             |
| TCR15-L-1-M16x1.5-CR  | M16x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 12  | 9   | 12 | CR              | 3             |
| TCR15-L-2-M16x1.5-CC  | M16x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 12  | 9   | 12 | CC              | 3             |
| TCR15-L-1-M16x1.25-CR | M16x1.25 | P3       | 2.5P | 16  | 110        | 18 | -  | 12  | 9   | 12 | CR              | 3             |
| TCR15-L-2-M16x1.25-CC | M16x1.25 | P3       | 2.5P | 16  | 110        | 18 | -  | 12  | 9   | 12 | CC              | 3             |

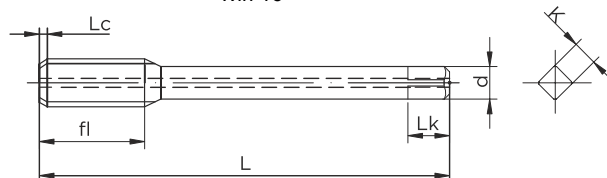


# Метчик с правыми спиральными канавками, удлинённым хвостовиком и подводом СОЖ

Серия TCR15-L-1/2-CC/CR



Тип 16



| Обозначение          | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    | Тип подвода СОЖ | Кол-во зубьев |
|----------------------|---------|----------|------|-----|------------|----|----|----|------|----|-----------------|---------------|
|                      |         |          |      |     | L          | fl | Ln | d  | K    | Lk |                 |               |
| TCR15-L-1-M18x2.5-CR | M18x2.5 | P6       | 2.5P | 16  | 125        | 30 | -  | 14 | 11   | 14 | CR              | 3             |
| TCR15-L-2-M18x2.5-CC | M18x2.5 | P6       | 2.5P | 16  | 125        | 30 | -  | 14 | 11   | 14 | CC              | 3             |
| TCR15-L-1-M18x2-CR   | M18x2   | PS       | 2.5P | 16  | 125        | 26 | -  | 14 | 11   | 14 | CR              | 3             |
| TCR15-L-2-M18x2-CC   | M18x2   | PS       | 2.5P | 16  | 125        | 26 | -  | 14 | 11   | 14 | CC              | 3             |
| TCR15-L-1-M18x1.5-CR | M18x1.5 | P4       | 2.5P | 16  | 125        | 25 | -  | 14 | 11   | 14 | CR              | 3             |
| TCR15-L-2-M18x1.5-CC | M18x1.5 | P4       | 2.5P | 16  | 125        | 25 | -  | 14 | 11   | 14 | CC              | 3             |
| TCR15-L-1-M20x2.5-CR | M20x2.5 | P6       | 2.5P | 16  | 140        | 32 | -  | 16 | 12   | 15 | CR              | 3             |
| TCR15-L-2-M20x2.5-CC | M20x2.5 | P6       | 2.5P | 16  | 140        | 32 | -  | 16 | 12   | 15 | CC              | 3             |
| TCR15-L-1-M20x2-CR   | M20x2   | PS       | 2.5P | 16  | 140        | 27 | -  | 16 | 12   | 15 | CR              | 3             |
| TCR15-L-2-M20x2-CC   | M20x2   | PS       | 2.5P | 16  | 140        | 27 | -  | 16 | 12   | 15 | CC              | 3             |
| TCR15-L-1-M20x1.5-CR | M20x1.5 | P4       | 2.5P | 16  | 140        | 25 | -  | 16 | 12   | 15 | CR              | 3             |
| TCR15-L-2-M20x1.5-CC | M20x1.5 | P4       | 2.5P | 16  | 140        | 25 | -  | 16 | 12   | 15 | CC              | 3             |
| TCR15-L-1-M22x2.5-CR | M22x2.5 | P6       | 2.5P | 16  | 140        | 32 | -  | 18 | 14.5 | 17 | CR              | 3             |
| TCR15-L-2-M22x2.5-CC | M22x2.5 | P6       | 2.5P | 16  | 140        | 32 | -  | 18 | 14.5 | 17 | CC              | 3             |
| TCR15-L-1-M22x2-CR   | M22x2   | PS       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CR              | 3             |
| TCR15-L-2-M22x2-CC   | M22x2   | PS       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CC              | 3             |
| TCR15-L-1-M22x1.5-CR | M22x1.5 | P4       | 2.5P | 16  | 140        | 25 | -  | 18 | 14.5 | 17 | CR              | 3             |
| TCR15-L-2-M22x1.5-CC | M22x1.5 | P4       | 2.5P | 16  | 140        | 25 | -  | 18 | 14.5 | 17 | CC              | 3             |
| TCR15-L-1-M24x3-CR   | M24x3   | P6       | 2.5P | 16  | 140        | 34 | -  | 18 | 14.5 | 17 | CR              | 3             |
| TCR15-L-2-M24x3-CC   | M24x3   | P6       | 2.5P | 16  | 140        | 34 | -  | 18 | 14.5 | 17 | CC              | 3             |
| TCR15-L-1-M24x2-CR   | M24x2   | PS       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CR              | 3             |
| TCR15-L-2-M24x2-CC   | M24x2   | PS       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CC              | 3             |
| TCR15-L-1-M24x1.5-CR | M24x1.5 | P4       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CR              | 3             |
| TCR15-L-2-M24x1.5-CC | M24x1.5 | P4       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CC              | 3             |
| TCR15-L-1-M27x3-CR   | M27x3   | P6       | 2.5P | 16  | 160        | 36 | -  | 20 | 9    | 19 | CR              | 3             |
| TCR15-L-2-M27x3-CC   | M27x3   | P6       | 2.5P | 16  | 160        | 36 | -  | 20 | 9    | 19 | CC              | 3             |
| TCR15-L-1-M30x3.5-CR | M30x3.5 | P7       | 2.5P | 16  | 180        | 40 | -  | 22 | 9    | 21 | CR              | 3             |
| TCR15-L-2-M30x3.5-CC | M30x3.5 | P7       | 2.5P | 16  | 180        | 40 | -  | 22 | 9    | 21 | CC              | 3             |

Метчики из твердого сплава

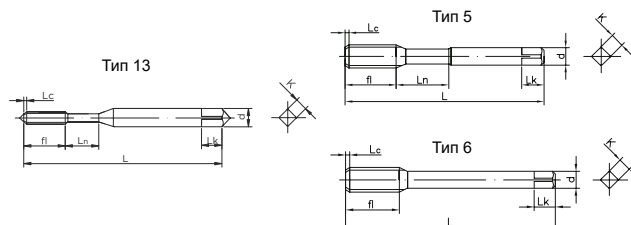
# **Метчики из твердого сплава для обработки чугуна**



# Метчик с прямыми канавками и удлиненным хвостовиком

Серия TCS13-L-3

покрытие YC-T50 CARBIDE M ISO 6HX



| Обозначение        | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |      |      | Кол-во<br>зубьев |
|--------------------|----------|----------|------|-----|------------|----|----|----|------|------|------------------|
|                    |          |          |      |     | L          | fl | Ln | d  | K    | Lk   |                  |
| TCS13-L-3-M5x0.8   | M5x0.8   | P2       | 2.5P | 13  | 70         | 15 | 10 | 6  | 4.9  | 4.9  | 3                |
| TCS13-L-3-M6x1     | M6x1     | P2       | 2.5P | 13  | 80         | 17 | 13 | 6  | 4.9  | 4.9  | 3                |
| TCS13-L-3-M7x1     | M7x1     | P3       | 2.5P | 13  | 80         | 17 | 13 | 7  | 5.5  | 5.5  | 3                |
| TCS13-L-3-M8x1.25  | M8x1     | P3       | 2.5P | 13  | 90         | 16 | 19 | 8  | 6.2  | 6.2  | 4                |
| TCS13-L-3-M8x1     | M8x1.25  | P3       | 2.5P | 5   | 90         | 16 | 19 | 8  | 6.2  | 6.2  | 4                |
| TCS13-L-3-M10x1.5  | M10x1.5  | P4       | 2.5P | 5   | 100        | 18 | 21 | 10 | 8    | 8    | 4                |
| TCS13-L-3-M10x1.25 | M10x1.25 | P3       | 2.5P | 5   | 100        | 18 | 21 | 10 | 8    | 8    | 4                |
| TCS13-L-3-M12x1.75 | M12x1.75 | P4       | 2.5P | 5   | 110        | 22 | -  | 9  | 7    | 7    | 4                |
| TCS13-L-3-M12x1.5  | M12x1.5  | P3       | 2.5P | 6   | 110        | 22 | -  | 9  | 7    | 7    | 4                |
| TCS13-L-3-M12x1.25 | M12x1.25 | P3       | 2.5P | 6   | 110        | 22 | -  | 9  | 7    | 7    | 4                |
| TCS13-L-3-M14x2    | M14x2    | P5       | 2.5P | 6   | 110        | 26 | -  | 11 | 9    | 9    | 4                |
| TCS13-L-3-M14x1.5  | M14x1.5  | P4       | 2.5P | 6   | 110        | 22 | -  | 11 | 9    | 9    | 4                |
| TCS13-L-3-M14x1.25 | M14x1.25 | P3       | 2.5P | 6   | 110        | 22 | -  | 11 | 9    | 9    | 4                |
| TCS13-L-3-M16x2    | M16x2    | P5       | 2.5P | 6   | 110        | 27 | -  | 12 | 9    | 9    | 4                |
| TCS13-L-3-M16x1.5  | M16x1.5  | P4       | 2.5P | 6   | 110        | 22 | -  | 12 | 9    | 9    | 4                |
| TCS13-L-3-M16x1.25 | M16x1.25 | P3       | 2.5P | 6   | 110        | 18 | -  | 12 | 9    | 9    | 4                |
| TCS13-L-3-M18x2.5  | M18x2.5  | P6       | 2.5P | 6   | 125        | 30 | -  | 14 | 11   | 11   | 4                |
| TCS13-L-3-M18x2    | M18x2    | P5       | 2.5P | 6   | 125        | 26 | -  | 14 | 11   | 11   | 4                |
| TCS13-L-3-M18x1.5  | M18x1.5  | P4       | 2.5P | 6   | 125        | 25 | -  | 14 | 11   | 11   | 4                |
| TCS13-L-3-M20x2.5  | M20x2.5  | P6       | 2.5P | 6   | 140        | 32 | -  | 16 | 12   | 12   | 4                |
| TCS13-L-3-M20x2    | M20x2    | P5       | 2.5P | 6   | 140        | 27 | -  | 16 | 12   | 12   | 4                |
| TCS13-L-3-M20x1.5  | M20x1.5  | P4       | 2.5P | 6   | 140        | 25 | -  | 16 | 12   | 12   | 4                |
| TCS13-L-3-M22x2.5  | M22x2.5  | P6       | 2.5P | 6   | 140        | 32 | -  | 18 | 14.5 | 14.5 | 4                |
| TCS13-L-3-M22x2    | M22x2    | P5       | 2.5P | 6   | 140        | 27 | -  | 18 | 14.5 | 14.5 | 4                |
| TCS13-L-3-M22x1.5  | M22x1.5  | P4       | 2.5P | 6   | 140        | 25 | -  | 18 | 14.5 | 14.5 | 4                |
| TCS13-L-3-M24x3    | M24x3    | P6       | 2.5P | 6   | 140        | 34 | -  | 18 | 14.5 | 14.5 | 4                |
| TCS13-L-3-M24x2    | M24x2    | P5       | 2.5P | 6   | 140        | 27 | -  | 18 | 14.5 | 14.5 | 4                |
| TCS13-L-3-M24x1.5  | M24x1.5  | P4       | 2.5P | 6   | 140        | 27 | -  | 18 | 14.5 | 14.5 | 4                |
| TCS13-L-3-M27x3    | M27x3    | P6       | 2.5P | 6   | 160        | 36 | -  | 20 | 16   | 16   | 4                |
| TCS13-L-3-M30x3.5  | M30x3.5  | P6       | 2.5P | 6   | 180        | 40 | -  | 22 | 18   | 18   | 4                |

Метчики из твердого сплава



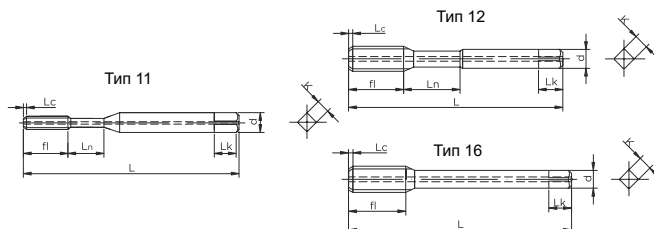
# Метчик с прямыми канавками, удлиненным хвостовиком и подводом СОЖ

Серия TCS13-L-1/2-CC/CR



Тип CR

Тип CC



| Обозначение           | Резьба   | Точность | Lc   | Тип | Размер, мм |    |    |    |     |    | Тип подвода СОЖ | Кол-во зубьев |
|-----------------------|----------|----------|------|-----|------------|----|----|----|-----|----|-----------------|---------------|
|                       |          |          |      |     | L          | fl | Ln | d  | K   | Lk |                 |               |
| TCS13-L-1-M5x0.8-CR   | M5x0.8   | P2       | 2.5P | 11  | 70         | 15 | 10 | 6  | 4.9 | 8  | CR              | 3             |
| TCS13-L-2-M5x0.8-CC   | M5x0.8   | P2       | 2.5P | 11  | 70         | 15 | 10 | 6  | 4.9 | 8  | CC              | 3             |
| TCS13-L-1-M6x1-CR     | M6x1     | P2       | 2.5P | 11  | 80         | 17 | 13 | 6  | 4.9 | 8  | CR              | 3             |
| TCS13-L-2-M6x1-CC     | M6x1     | P2       | 2.5P | 11  | 80         | 17 | 13 | 6  | 4.9 | 8  | CC              | 3             |
| TCS13-L-1-M7x1-CR     | M7x1     | P3       | 2.5P | 11  | 80         | 17 | 13 | 7  | 5.5 | 8  | CR              | 3             |
| TCS13-L-2-M7x1-CC     | M7x1     | P3       | 2.5P | 11  | 80         | 17 | 13 | 7  | 5.5 | 8  | CC              | 3             |
| TCS13-L-1-M8x1.25-CR  | M8x1     | P3       | 2.5P | 12  | 90         | 16 | 19 | 8  | 6.2 | 9  | CR              | 4             |
| TCS13-L-2-M8x1.25-CC  | M8x1     | P3       | 2.5P | 12  | 90         | 16 | 19 | 8  | 6.2 | 9  | CC              | 4             |
| TCS13-L-1-M8x1.25-CR  | M8x1.25  | P3       | 2.5P | 12  | 90         | 16 | 19 | 8  | 6.2 | 9  | CR              | 4             |
| TCS13-L-2-M8x1.25-CC  | M8x1.25  | P3       | 2.5P | 12  | 90         | 16 | 19 | 8  | 6.2 | 9  | CC              | 4             |
| TCS13-L-1-M10x1.5-CR  | M10x1.5  | P4       | 2.5P | 12  | 100        | 18 | 21 | 10 | 8   | 11 | CR              | 4             |
| TCS13-L-2-M10x1.5-CC  | M10x1.5  | P4       | 2.5P | 12  | 100        | 18 | 21 | 10 | 8   | 11 | CC              | 4             |
| TCS13-L-1-M10x1.25-CR | M10x1.25 | P3       | 2.5P | 12  | 100        | 18 | 21 | 10 | 8   | 11 | CR              | 4             |
| TCS13-L-2-M10x1.25-CC | M10x1.25 | P3       | 2.5P | 12  | 100        | 18 | 21 | 10 | 8   | 11 | CC              | 4             |
| TCS13-L-1-M12x1.75-CR | M12x1.75 | P4       | 2.5P | 16  | 110        | 22 | -  | 9  | 7   | 10 | CR              | 4             |
| TCS13-L-2-M12x1.75-CC | M12x1.75 | P4       | 2.5P | 16  | 110        | 22 | -  | 9  | 7   | 10 | CC              | 4             |
| TCS13-L-1-M12x1.5-CR  | M12x1.5  | P3       | 2.5P | 16  | 110        | 22 | -  | 9  | 7   | 10 | CR              | 4             |
| TCS13-L-2-M12x1.5-CC  | M12x1.5  | P3       | 2.5P | 16  | 110        | 22 | -  | 9  | 7   | 10 | CC              | 4             |
| TCS13-L-1-M12x1.25-CR | M12x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 9  | 7   | 10 | CR              | 4             |
| TCS13-L-2-M12x1.25-CC | M12x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 9  | 9   | 10 | CC              | 4             |
| TCS13-L-1-M14x2-CR    | M14x2    | P5       | 2.5P | 16  | 110        | 26 | -  | 11 | 9   | 12 | CR              | 4             |
| TCS13-L-2-M14x2-CC    | M14x2    | P5       | 2.5P | 16  | 110        | 26 | -  | 11 | 9   | 12 | CC              | 4             |
| TCS13-L-1-M14x1.5-CR  | M14x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 11 | 9   | 12 | CR              | 4             |
| TCS13-L-2-M14x1.5-CC  | M14x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 11 | 9   | 12 | CC              | 4             |
| TCS13-L-1-M14x1.25-CR | M14x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 11 | 9   | 12 | CR              | 4             |
| TCS13-L-2-M14x1.25-CC | M14x1.25 | P3       | 2.5P | 16  | 110        | 22 | -  | 11 | 9   | 12 | CC              | 4             |
| TCS13-L-1-M16x2-CR    | M16x2    | P5       | 2.5P | 16  | 110        | 27 | -  | 12 | 9   | 12 | CR              | 4             |
| TCS13-L-2-M16x2-CC    | M16x2    | P5       | 2.5P | 16  | 110        | 27 | -  | 12 | 9   | 12 | CC              | 4             |
| TCS13-L-1-M16x1.5-CR  | M16x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 12 | 9   | 12 | CR              | 4             |
| TCS13-L-2-M16x1.5-CC  | M16x1.5  | P4       | 2.5P | 16  | 110        | 22 | -  | 12 | 9   | 12 | CC              | 4             |
| TCS13-L-1-M16x1.25-CR | M16x1.25 | P3       | 2.5P | 16  | 110        | 18 | -  | 12 | 9   | 12 | CR              | 4             |
| TCS13-L-2-M16x1.25-CC | M16x1.25 | P3       | 2.5P | 16  | 110        | 18 | -  | 12 | 9   | 12 | CC              | 4             |



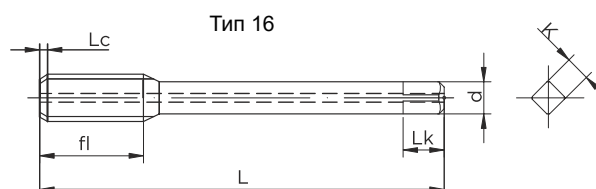
# Метчик с прямыми канавками, удлиненным хвостовиком и подводом СОЖ

Серия TCS13-L-1/2-CC/CR



Тип CR

Тип CC



| Обозначение          | Резьба  | Точность | Lc   | Тип | Размер, мм |    |    |    |      |    | Тип подвода СОЖ | Кол-во зубьев |
|----------------------|---------|----------|------|-----|------------|----|----|----|------|----|-----------------|---------------|
|                      |         |          |      |     | L          | fl | Ln | d  | K    | Lk |                 |               |
| TCS13-L-1-M18x2.5-CR | M18x2.5 | P6       | 2.5P | 16  | 125        | 30 | 10 | 14 | 11   | 14 | CR              | 4             |
| TCS13-L-2-M18x2.5-CC | M18x2.5 | P6       | 2.5P | 16  | 125        | 30 | 10 | 14 | 11   | 14 | CC              | 4             |
| TCS13-L-1-M18x2-CR   | M18x2   | P5       | 2.5P | 16  | 125        | 26 | 13 | 14 | 11   | 14 | CR              | 4             |
| TCS13-L-2-M18x2N-CC  | M18x2   | P5       | 2.5P | 16  | 125        | 26 | 13 | 14 | 11   | 14 | CC              | 4             |
| TCS13-L-1-M18x1.5-CR | M18x1.5 | P4       | 2.5P | 16  | 125        | 25 | 13 | 14 | 11   | 14 | CR              | 4             |
| TCS13-L-2-M18x1.5-CC | M18x1.5 | P4       | 2.5P | 16  | 125        | 25 | 13 | 14 | 11   | 14 | CC              | 4             |
| TCS13-L-1-M20x2.5-CR | M20x2.5 | P6       | 2.5P | 16  | 140        | 32 | 19 | 16 | 12   | 15 | CR              | 4             |
| TCS13-L-2-M20x2.5-CC | M20x2.5 | P6       | 2.5P | 16  | 140        | 32 | 19 | 16 | 12   | 15 | CC              | 4             |
| TCS13-L-1-M20x2-CR   | M20x2   | P5       | 2.5P | 16  | 140        | 27 | 19 | 16 | 12   | 15 | CR              | 4             |
| TCS13-L-2-M20x2-CC   | M20x2   | P5       | 2.5P | 16  | 140        | 27 | 19 | 16 | 12   | 15 | CC              | 4             |
| TCS13-L-1-M20x1.5-CR | M20x1.5 | P4       | 2.5P | 16  | 140        | 25 | 21 | 16 | 12   | 15 | CR              | 4             |
| TCS13-L-2-M20x1.5-CC | M20x1.5 | P4       | 2.5P | 16  | 140        | 25 | 21 | 16 | 12   | 15 | CC              | 4             |
| TCS13-L-1-M22x2.5-CR | M22x2.5 | P6       | 2.5P | 16  | 140        | 32 | 21 | 18 | 14.5 | 17 | CR              | 4             |
| TCS13-L-2-M22x2.5-CC | M22x2.5 | P6       | 2.5P | 16  | 140        | 32 | 21 | 18 | 14.5 | 17 | CC              | 4             |
| TCS13-L-1-M22x2-CR   | M22x2   | P5       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CR              | 4             |
| TCS13-L-2-M22x2-CC   | M22x2   | P5       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CC              | 4             |
| TCS13-L-1-M22x1.5-CR | M22x1.5 | P4       | 2.5P | 16  | 140        | 25 | -  | 18 | 14.5 | 17 | CR              | 4             |
| TCS13-L-2-M22x1.5-CC | M22x1.5 | P4       | 2.5P | 16  | 140        | 25 | -  | 18 | 14.5 | 17 | CC              | 4             |
| TCS13-L-1-M24x3-CR   | M24x3   | P6       | 2.5P | 16  | 140        | 34 | -  | 18 | 14.5 | 17 | CR              | 4             |
| TCS13-L-2-M24x3-CC   | M24x3   | P6       | 2.5P | 16  | 140        | 34 | -  | 18 | 14.5 | 17 | CC              | 4             |
| TCS13-L-1-M24x2-CR   | M24x2   | P5       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CR              | 4             |
| TCS13-L-2-M24x2-CC   | M24x2   | P5       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CC              | 4             |
| TCS13-L-1-M24x1.5-CR | M24x1.5 | P4       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CR              | 4             |
| TCS13-L-2-M24x1.5-CC | M24x1.5 | P4       | 2.5P | 16  | 140        | 27 | -  | 18 | 14.5 | 17 | CC              | 4             |
| TCS13-L-1-M27x3-CR   | M27x3   | P6       | 2.5P | 16  | 160        | 36 | -  | 20 | 16   | 19 | CR              | 4             |
| TCS13-L-2-M27x3-CC   | M27x3   | P6       | 2.5P | 16  | 160        | 36 | -  | 20 | 16   | 19 | CC              | 4             |
| TCS13-L-1-M30x3.5-CR | M30x3.5 | P7       | 2.5P | 16  | 180        | 40 | -  | 22 | 18   | 21 | CR              | 4             |
| TCS13-L-2-M30x3.5-CC | M30x3.5 | P7       | 2.5P | 16  | 180        | 40 | -  | 22 | 18   | 21 | CC              | 4             |

Метчики из твердого сплава

# Техническая информация





## Стандарт JIS

JIS — японский стандарт точности, в том числе для резьбы. По стандарту JIS метрическая резьба почти идентична ISO, но допуски и величины шага могут отличаться. Это важно учитывать при замене инструмента или деталей.

По стандарту JIS допуски на нарезаемую резьбу обозначаются как P1 ... P5 или RH4 ... RH10, где:

- P1 — большой допуск, более свободный, для грубых работ;
- P2 — средний допуск, универсальный, наиболее часто используемый и примерно эквивалентен классу 6H по ISO/ГОСТ;
- P3 — точный допуск, для более плотной посадки и точной сборки.

Как правило, допуски RH4 ... RH10 относятся к резьбам, сформированным метчиками-раскатниками — это классы точности внутренней резьбы, где:

- R — внутренняя резьба;
- H — означает положительное поле допуска;
- 7 — номер допуска, показывает ширину поля допуска: чем больше число, тем больше зазор.

Допуск RH7 чуть свободней, чем допуск 6H и скорее соответствует 6HX.

## Таблица перевода шага резьбы

| Нитей на дюйм, ед. | Шаг резьбы, мм |
|--------------------|----------------|
| 100                | 0.254          |
| 80                 | 0.3175         |
| 72                 | 0.3528         |
| 64                 | 0.3969         |
| 60                 | 0.4233         |
| 56                 | 0.4536         |
| 48                 | 0.5292         |
| 44                 | 0.5773         |
| 40                 | 0.635          |
| 36                 | 0.7056         |
| 32                 | 0.7938         |
| 28                 | 0.9071         |
| 24                 | 1.0583         |
| 20                 | 1.27           |
| 18                 | 1.4111         |
| 16                 | 1.5875         |
| 14                 | 1.8143         |
| 13                 | 1.9538         |
| 12                 | 2.1167         |

## Соотношение шага резьбы в дюймах и миллиметрах

| Резьба UNC | Дюйм  | мм    |
|------------|-------|-------|
| NO. 0      | 0.06  | 1.524 |
| 1          | 0.073 | 1.854 |
| 2          | 0.086 | 2.184 |
| 3          | 0.099 | 2.515 |
| 4          | 0.112 | 2.845 |
| 5          | 0.125 | 3.175 |
| 6          | 0.138 | 3.505 |
| 8          | 0.164 | 4.166 |
| 10         | 0.19  | 4.826 |
| 12         | 0.216 | 5.486 |



## Рекомендуемые диаметры отверстий для метрических метчиков

| Размер резьбы | Стандартный диаметр отверстия, мм | Диаметры отверстий по JIS Class 2, мм |        |
|---------------|-----------------------------------|---------------------------------------|--------|
|               |                                   | мин.                                  | макс.  |
| M1×0.25       | 0.75                              | 0.729                                 | 0.785  |
| M1.1×0.25     | 0.85                              | 0.829                                 | 0.885  |
| M1.2×0.25     | 0.95                              | 0.929                                 | 0.985  |
| M1.4×0.3      | 1.1                               | 1.075                                 | 1.142  |
| M1.6×0.35     | 1.25                              | 1.221                                 | 1.321  |
| M1.7×0.35     | 1.35                              | 1.321                                 | 1.421  |
| M1.8×0.35     | 1.45                              | 1.421                                 | 1.521  |
| M2×0.4        | 1.6                               | 1.567                                 | 1.679  |
| M2.2×0.45     | 1.75                              | 1.713                                 | 1.838  |
| M2.3×0.4      | 1.9                               | 1.867                                 | 1.979  |
| M2.5×0.45     | 2.1                               | 2.013                                 | 2.138  |
| M2.6×0.45     | 2.2                               | 2.113                                 | 2.238  |
| M3×0.5        | 2.5                               | 2.459                                 | 2.599  |
| M3.5×0.6      | 2.9                               | 2.850                                 | 3.01   |
| M4×0.7        | 3.3                               | 3.242                                 | 3.422  |
| M4.5×0.75     | 3.8                               | 3.688                                 | 3.878  |
| M5×0.8        | 4.2                               | 4.134                                 | 4.334  |
| M6×1          | 5.0                               | 4.917                                 | 5.153  |
| M7×1          | 6.0                               | 5.917                                 | 6.153  |
| M8×1.25       | 6.8                               | 6.647                                 | 6.912  |
| M8×1          | 7.0                               | 6.917                                 | 7.153  |
| M9×1.25       | 7.8                               | 7.647                                 | 7.912  |
| M10×1.5       | 8.5                               | 8.376                                 | 8.676  |
| M10×1.25      | 8.8                               | 8.647                                 | 8.912  |
| M10×1         | 9.0                               | 8.917                                 | 9.153  |
| M11×1.5       | 9.5                               | 9.376                                 | 9.676  |
| M12×1.75      | 10.3                              | 10.106                                | 10.441 |
| M12×1.5       | 10.5                              | 10.376                                | 10.676 |
| M12×1.25      | 10.8                              | 10.647                                | 10.912 |
| M12×1         | 11.0                              | 10.917                                | 11.153 |
| M14×2         | 12.0                              | 11.835                                | 12.210 |
| M14×1.5       | 12.5                              | 12.376                                | 12.676 |
| M14×1         | 13.0                              | 12.917                                | 13.153 |
| M16×2         | 14.0                              | 13.835                                | 14.210 |
| M16×1.5       | 14.5                              | 14.376                                | 14.676 |
| M16×1         | 15.0                              | 14.917                                | 15.153 |



## Рекомендуемые диаметры отверстий для метрических метчиков-раскатников

| Размер резьбы | Диаметры отверстий по JIS Class 1, мм |       |       | Диаметры отверстий по JIS Class 2, мм |       |       |
|---------------|---------------------------------------|-------|-------|---------------------------------------|-------|-------|
|               | Точность                              | мин.  | макс. | Точность                              | мин.  | макс. |
| M1×0.25       | 2                                     | 0.87  | 0.89  | 4                                     | 0.90  | 0.92  |
| M1.2×0.25     | 2                                     | 1.07  | 1.09  | 4                                     | 1.10  | 1.12  |
| M1.4×0.3      | 2                                     | 1.244 | 1.263 | 4                                     | 1.270 | 1.294 |
| M1.6×0.35     | 2                                     | 1.40  | 1.44  | 4                                     | 1.44  | 1.48  |
| M1.7×0.35     | 2                                     | 1.51  | 1.54  | 4                                     | 1.54  | 1.58  |
| M2×0.4        | 2                                     | 1.78  | 1.82  | 4                                     | 1.81  | 1.85  |
| M2.3×0.4      | 2                                     | 2.08  | 2.12  | 4                                     | 2.11  | 2.15  |
| M2.5×0.45     | 2                                     | 2.25  | 2.29  | 4                                     | 2.28  | 2.33  |
| M2.6×0.45     | 2                                     | 2.35  | 2.39  | 4                                     | 2.38  | 2.43  |
| M3×0.5        | 3                                     | 2.74  | 2.78  | 5                                     | 2.76  | 2.81  |
| M3.5×0.6      | 3                                     | 3.18  | 3.21  | 5                                     | 3.20  | 3.26  |
| M4×0.7        | 4                                     | 3.63  | 3.67  | 6                                     | 3.65  | 3.70  |
| M5×0.8        | 4                                     | 4.57  | 4.62  | 6                                     | 4.59  | 4.66  |
| M6×1.0        | 4                                     | 5.45  | 5.51  | 7                                     | 5.48  | 5.57  |
| M7×1.0        | 4                                     | 6.45  | 6.51  | 7                                     | 6.48  | 6.57  |
| M8×1.25       | 5                                     | 7.31  | 7.38  | 7                                     | 7.34  | 7.41  |
| M10×1.5       | 5                                     | 9.16  | 9.22  | 7                                     | 9.18  | 9.28  |
| M12×1.75      | 5                                     | 11.01 | 11.08 | 8                                     | 11.05 | 11.15 |
| M14×2.0       | 6                                     | 12.83 | 12.95 | 10                                    | 12.92 | 13.04 |
| M16×2.0       | 6                                     | 14.87 | 14.95 | 10                                    | 14.92 | 15.04 |



## Рекомендуемые диаметры отверстий для дюймовых метчиков

| Резьба <b>UNC</b> | Стандартный диаметр отверстия, мм | Диаметры отверстий класса 2, мм |        |
|-------------------|-----------------------------------|---------------------------------|--------|
|                   |                                   | мин.                            | макс.  |
| N0.1-64           | 1.55                              | 1.425                           | 1.582  |
| N0.2-56           | 1.8                               | 1.695                           | 1.871  |
| N0.3-48           | 2.05                              | 1.941                           | 2.146  |
| N0.4-40           | 2.3                               | 2.157                           | 2.385  |
| N0.5-40           | 2.6                               | 2.487                           | 2.697  |
| N0.6-32           | 2.8                               | 2.642                           | 2.895  |
| N0.8-32           | 3.4                               | 3.302                           | 3.53   |
| N0.10-24          | 3.9                               | 3.683                           | 3.962  |
| N0.12-24          | 4.5                               | 4.344                           | 4.597  |
| 1/4-20            | 5.1                               | 4.979                           | 5.257  |
| 5/16-18           | 6.6                               | 6.401                           | 6.731  |
| 3/8-16            | 8                                 | 7.798                           | 8.153  |
| 7/16-14           | 9.4                               | 9.144                           | 9.55   |
| 1/2-13            | 10.9                              | 10.592                          | 11.023 |
| 9/16-12           | 12.2                              | 11.989                          | 12.466 |
| 5/8-11            | 13.6                              | 13.386                          | 13.868 |

| Резьба <b>UNF</b> | Стандартный диаметр отверстия, мм | Диаметры отверстий класса 2, мм |        |
|-------------------|-----------------------------------|---------------------------------|--------|
|                   |                                   | мин.                            | макс.  |
| N0.0-80           | 1.25                              | 1.182                           | 1.305  |
| N0.1-72           | 1.55                              | 1.474                           | 1.612  |
| N0.2-64           | 1.85                              | 1.756                           | 1.912  |
| N0.3-56           | 2.1                               | 2.025                           | 2.197  |
| N0.4-48           | 2.4                               | 2.271                           | 2.458  |
| N0.5-44           | 2.7                               | 2.551                           | 2.74   |
| N0.6-40           | 2.9                               | 2.82                            | 3.022  |
| N0.8-36           | 3.5                               | 3.404                           | 3.606  |
| N0.10-32          | 4.1                               | 3.963                           | 4.165  |
| N0.12-28          | 4.6                               | 4.496                           | 4.724  |
| 1/4-28            | 5.5                               | 5.36                            | 5.588  |
| 5/16-24           | 6.9                               | 6.782                           | 7.035  |
| 3/8-24            | 8.5                               | 8.382                           | 8.636  |
| 7/16-20           | 9.90                              | 9.729                           | 10.033 |
| 1/2-20            | 11.5                              | 11.329                          | 11.607 |
| 9/16-18           | 12.9                              | 12.751                          | 13.081 |
| 5/8-18            | 14.5                              | 14.351                          | 14.681 |



## Рекомендуемые диаметры отверстий для дюймовых метчиков-раскатников

| Резьба<br>UNC | Стандартный<br>диаметр<br>отверстия,<br>мм | Шаг    | Диаметры отверстий класса 2, мм |       |       | Диаметры отверстий класса 3, мм |       |       |
|---------------|--------------------------------------------|--------|---------------------------------|-------|-------|---------------------------------|-------|-------|
|               |                                            |        | Точность                        | мин.  | макс. | Точность                        | мин.  | макс. |
| N0.1-64       | 1.854                                      | 0.3969 | 4                               | 1.66  | 1.70  | 3                               | 1.65  | 1.69  |
| N0.2-56       | 2.184                                      | 0.4536 | 4                               | 1.96  | 2.02  | 3                               | 1.95  | 2.01  |
| N0.3-48       | 2.514                                      | 0.5292 | 4                               | 2.25  | 2.32  | 3                               | 2.23  | 2.31  |
| N0.4-40       | 2.844                                      | 0.635  | 5                               | 2.52  | 2.60  | 3                               | 2.50  | 2.58  |
| N0.6-32       | 3.504                                      | 0.7938 | 5                               | 3.09  | 3.17  | 3                               | 3.06  | 3.14  |
| N0.8-32       | 4.164                                      | 0.7938 | 5                               | 3.75  | 3.83  | 4                               | 3.74  | 3.82  |
| N0.10-24      | 4.824                                      | 1.0583 | 6                               | 4.26  | 4.35  | 4                               | 4.24  | 4.32  |
| N0.12-24      | 5.484                                      | 1.0583 | 6                               | 4.92  | 5.01  | 4                               | 4.90  | 4.96  |
| 1/4-20        | 6.35                                       | 1.27   | 6                               | 5.66  | 5.76  | 4                               | 5.64  | 5.74  |
| 5/16-18       | 7.9375                                     | 1.4111 | 7                               | 7.18  | 7.29  | 5                               | 7.15  | 7.24  |
| 3/8-16        | 9.525                                      | 1.5875 | 7                               | 8.66  | 8.78  | 5                               | 8.63  | 8.73  |
| 7/16-14       | 11.125                                     | 1.814  | 7                               | 10.11 | 10.25 | 5                               | 10.08 | 10.19 |
| 1/2-13        | 12.7                                       | 1.9538 | 8                               | 11.62 | 11.78 | 6                               | 11.60 | 11.68 |
| 5/8-11        | 15.875                                     | 2.3091 | 11                              | 14.62 | 14.76 | 8                               | 14.58 | 14.67 |

| Резьба<br>UNF | Стандартный<br>диаметр<br>отверстия,<br>мм | Шаг    | Диаметры отверстий класса 2, мм |       |       | Диаметры отверстий класса 3, мм |       |       |
|---------------|--------------------------------------------|--------|---------------------------------|-------|-------|---------------------------------|-------|-------|
|               |                                            |        | Точность                        | мин.  | макс. | Точность                        | мин.  | макс. |
| N0.0-80       | 1.524                                      | 0.3175 | 4                               | 1.38  | 1.41  | 3                               | 1.36  | 1.40  |
| N0.1-72       | 1.854                                      | 0.3528 | 4                               | 1.68  | 1.72  | 3                               | 1.67  | 1.71  |
| N0.2-64       | 2.184                                      | 0.3969 | 4                               | 1.98  | 2.04  | 3                               | 1.97  | 2.03  |
| N0.3-56       | 2.514                                      | 0.4536 | 4                               | 2.29  | 2.35  | 3                               | 2.28  | 2.34  |
| N0.4-48       | 2.844                                      | 0.5292 | 4                               | 2.57  | 2.64  | 3                               | 2.56  | 2.63  |
| N0.6-40       | 3.504                                      | 0.635  | 5                               | 3.19  | 3.26  | 3                               | 3.16  | 3.22  |
| N0.8-36       | 4.164                                      | 0.7056 | 5                               | 3.80  | 3.88  | 4                               | 3.79  | 3.86  |
| N0.10-32      | 4.824                                      | 0.7938 | 5                               | 4.41  | 4.48  | 4                               | 4.40  | 4.46  |
| N0.12-28      | 5.484                                      | 0.9071 | 5                               | 5.00  | 5.08  | 4                               | 4.99  | 5.06  |
| 1/4-28        | 6.350                                      | 0.9071 | 5                               | 5.86  | 5.93  | 4                               | 5.85  | 5.92  |
| 5/16-24       | 7.938                                      | 1.0583 | 6                               | 7.38  | 7.46  | 5                               | 7.36  | 7.43  |
| 3/8-24        | 9.525                                      | 1.0583 | 6                               | 8.96  | 9.05  | 5                               | 8.95  | 9.02  |
| 7/16-20       | 11.113                                     | 1.2700 | 7                               | 10.44 | 10.54 | 5                               | 10.41 | 10.49 |
| 1/2-20        | 12.700                                     | 1.2700 | 7                               | 12.02 | 12.12 | 5                               | 12.00 | 12.05 |
| 5/8-18        | 15.875                                     | 1.4111 | 9                               | 15.14 | 15.25 | 7                               | 15.11 | 15.17 |



## Рекомендуемые скорости резания (м/мин)

| Серия        | Покрытие     | Низко- и средне-углеродистая сталь | Высоко-углеродистая сталь. Легированная сталь | Закаленная сталь | Нержавеющая сталь | Чугун | Алюминий и цветные сплавы |
|--------------|--------------|------------------------------------|-----------------------------------------------|------------------|-------------------|-------|---------------------------|
| TFS01        | Futura       | 15-30                              | 15-25                                         |                  | 15-30             |       | 30-60                     |
| TFS01        | YC-200       |                                    |                                               |                  |                   |       |                           |
| TFS01, TFL01 | TiCNAI       | 5-15                               | 5-10                                          |                  | 5-10              |       | 20-40                     |
| TCS01        | YC-200       | 5-15                               |                                               | 3-8              |                   |       |                           |
| TCS01        | TiCNAI       | 15-25                              | 10-20                                         |                  | 10-25             |       | 20-50                     |
| TCR01        | TiCNAI       | 10-25                              | 8-20                                          | 5-15             | 10-25             |       | 20-50                     |
| TCR01-45     | TiCNAI       | 5-15                               | 5-10                                          |                  | 5-10              |       | 20-40                     |
| TCL01        | без покрытия | 10-25                              | 10-20                                         | 5-15             | 15-30             |       | 30-60                     |
| TFS02, TFL02 | YC-200       | 5-15                               | 5-10                                          | 5-15             | 10-20             |       | 20-40                     |
| TCS02        | YC-200       | 15-25                              | 10-20                                         | 5-15             | 10-25             |       | 20-50                     |
| TCS02        | без покрытия | 5-15                               | 5-10                                          |                  | 5-10              |       | 20-40                     |
| TCR02        | Futura       | 15-25                              | 10-20                                         | 5-15             | 10-25             |       | 20-50                     |
| TCR02        | YC-200       | 10-20                              | 15-25                                         |                  | 10-20             |       | 20-40                     |
| TCR02-45     | YC-200       | 5-15                               | 10-15                                         |                  | 5-10              |       | 20-40                     |
| TCS03        | YC-T50       |                                    |                                               |                  |                   | 10-20 | 20-50                     |
| TFS05, TFL05 | YC-200       | 10-20                              | 10-15                                         |                  | 10-15             |       | 20-50                     |
| TCS05        | YC-C50       | 15-25                              | 10-20                                         | 5-15             | 10-25             |       | 20-50                     |
| TCS05        | YC-200       | 5-15                               | 5-10                                          |                  | 5-10              |       | 20-40                     |
| TCR05        | без покрытия | 5-15                               | 5-10                                          |                  | 5-10              |       | 20-40                     |
| TCR05-45     | YC-C50       | 10-20                              | 10-15                                         |                  | 10-15             |       | 20-50                     |
| TCR05        | YC-200       | 15-25                              | 10-20                                         | 5-15             | 10-25             |       | 20-50                     |
| TCS13        | без покрытия |                                    |                                               |                  |                   | 20-30 | 30-60                     |
| TCR13        | без покрытия |                                    |                                               |                  |                   | 15-25 | 25-50                     |
| TFS 15       | без покрытия | 15-30                              | 15-25                                         | 10-20            | 15-30             |       | 30-50                     |

## Расчет режимов резания

| Частота вращения                                                                                                                                                                                                    | Подача                   | Скорость резания                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| $N = \frac{1,000V}{\pi \cdot d}$                                                                                                                                                                                    | $F = fz \cdot z \cdot N$ | $V = \frac{\pi \cdot d \cdot N}{1,000}$                                                                                                                                              |
| 1. Глухая резьба (-)<br>2. Сквозная резьба (+)<br>3. Скорость резания инструментом с покрытием TiN может быть увеличена на 30%<br>4. Скорость резания должна быть снижена на 20-30%, если глубина резания $\geq 2D$ |                          | N – частота вращения, об/мин<br>$\pi$ – 3,14<br>d – диаметр метчика, мм<br>F – подача, мм/мин<br>fz – подача на зуб, мм<br>z – количество зубьев, ед.<br>V – скорость резания, м/мин |

# Различия изготовления резьбы раскатником и метчиком

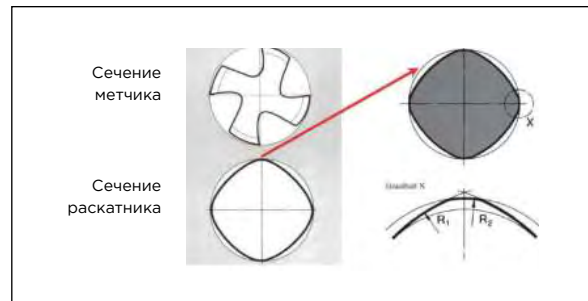
## Раскатник

Раскатник формирует резьбу методом пластического деформирования (выдавливания).

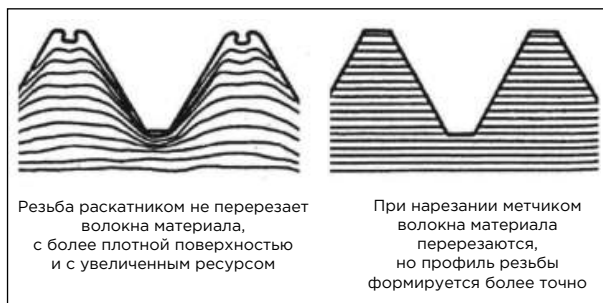
### Преимущества и недостатки

- ⊕ нет проблем резьбонарезания
- ⊕ скорость обработки выше в 2 раза
- ⊕ более плотная поверхность резьбы
- ⊕ больше ресурс инструмента
- ⊖ хрупкие материалы (например, чугун,
- ⊖ твердая сталь) не подходят для раскатника
- ⊖ высокие требования к точности отверстия

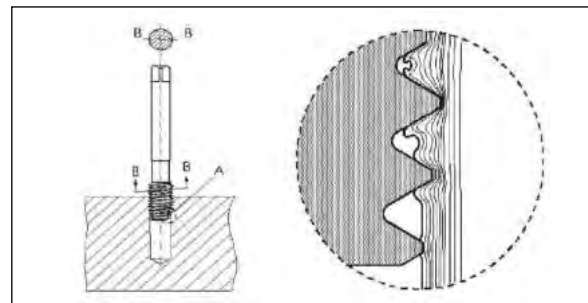
## Сравнение форм инструментов



## Сравнение резьб методом раскатки и резанием



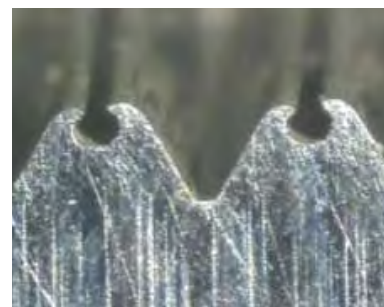
## Формирование резьбы раскатником



Пример формирования резьбы раскатником



Правильная резьба после раскатника



Качественная резьба раскатником формируется при правильно (точно) выполненным диаметром предварительного отверстия.

Примеры некачественной резьбы, когда отверстие сделано неправильно



Отверстие сделано больше, чем необходимо.



Отверстие сделано меньше, чем необходимо.



# Основные проблемы, причины и способы устранения

| Проблема                                                               | Причина                                                                                    | Способы устранения                                                                                                                                         |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Увеличенный размер резьбового отверстия (непроходной калибр проходит)  | Неправильное значение осевой подачи                                                        | Возникает, как правило, у спиральных метчиков. При обработке спиральными метчиками возникают силы в направлении подачи. Необходимо снизить подачу на 5-7%. |
|                                                                        | Малая скорость резания                                                                     | Применять рекомендованные режимы резания.                                                                                                                  |
|                                                                        | Выбран неподходящий тип метчика                                                            | Выбрать метчик с меньшим углом спирали либо метчик с подточкой для прямых канавок.                                                                         |
|                                                                        | Недостаточный подвод СОЖ                                                                   | Обеспечить подвод СОЖ в зону резания для уменьшения наростообразования.                                                                                    |
|                                                                        | Ассиметричность метчика и отверстия                                                        | Убедиться в соосности инструмента и отверстия                                                                                                              |
|                                                                        | Неправильный допуск                                                                        | Допуск метчика и контрольного образца различны. Выбрать метчик с правильным допуском.                                                                      |
| Уменьшенный размер резьбового отверстия (проходной калибр не проходит) | Выбран неподходящий тип метчика                                                            | Выбрать метчик с большим углом спирали.                                                                                                                    |
|                                                                        | Диаметр под резьбу меньше рекомендованного                                                 | Увеличить диаметр отверстия до рекомендованного каталогом (см. рекомендации).                                                                              |
|                                                                        | Недостаточный подвод СОЖ                                                                   | Обеспечить подвод СОЖ в зону резания для уменьшения наростообразования и для вымывания стружки из зоны резания.                                            |
|                                                                        | Неправильный допуск                                                                        | Допуск метчика и контрольного образца различны. Выбрать метчик с правильным допуском.                                                                      |
|                                                                        | В следствие упругих свойств обрабатываемого материала происходит его сужение.              | Выбрать метчик, следуя рекомендациям каталога.                                                                                                             |
| Выкрашивание режущих кромок                                            | Недостаточный подвод СОЖ                                                                   | Обеспечить подвод СОЖ в зону резания для уменьшения наростообразования.                                                                                    |
|                                                                        | Утыкание метчика в дно отверстия                                                           | Увеличить глубину отверстия (если возможно). Использовать метчик с более короткой заходной частью. Уменьшить глубину резьбы.                               |
|                                                                        | Заклинивание стружки при нарезании метчиками со спиральной канавкой на выходе из отверстия | Нарезать резьбу в отверстии без фаски. Заходную фаску делать после обработки резьбы.                                                                       |
|                                                                        | Наклеп                                                                                     | Использовать метчик с износостойким покрытием. Увеличить подачу СОЖ. Уменьшить скорость резания.                                                           |
|                                                                        | Малый диаметр отверстия под резьбу                                                         | Увеличить диаметр отверстия до рекомендованного.                                                                                                           |





# Основные проблемы, причины и способы устранения

| Проблема                    | Причина                                                                                 | Способы устранения                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Выкрашивание режущих кромок | Выкрашивание режущих кромок<br>Сильный износ, приводящий к увеличению крутящего момента | Своевременно менять инструмент на новый (переточенный).                                                                                                                                                    |
|                             | Недостаточный подвод СОЖ                                                                | Обеспечить подвод СОЖ в зону резания для уменьшения наростообразования.                                                                                                                                    |
|                             | Врезание метчика в дно отверстия                                                        | Увеличить глубину отверстия (если возможно).<br>Использовать метчик с более короткой заходной частью. Уменьшить глубину резьбы.<br>Использовать резбонарезные патроны с компенсацией на сжатие/растяжение. |
|                             | Малый диаметр отверстия под резьбу                                                      | Увеличить диаметр отверстия до рекомендованного.                                                                                                                                                           |
|                             | Высокая скорость обработки                                                              | Оптимизировать скорость резания.                                                                                                                                                                           |
| Быстрый износ               | Высокая скорость обработки                                                              | Уменьшить скорость резания.                                                                                                                                                                                |
|                             | Недостаточный подвод СОЖ                                                                | Обеспечить подвод СОЖ в зону резания для уменьшения наростообразования.                                                                                                                                    |
| Нарост на инструменте       | Неправильный тип метчика                                                                | Использовать метчик с увеличенным передним углом. Для мягких материалов использовать метчики с полированными канавками.                                                                                    |
|                             | Маленькая скорость резания                                                              | Применять рекомендованные режимы резания.                                                                                                                                                                  |
|                             | Недостаточный подвод СОЖ                                                                | Обеспечить подвод СОЖ в зону резания для уменьшения наростообразования.                                                                                                                                    |
|                             | Неправильный тип покрытия или его отсутствие                                            | Для мягких материалов использовать метчики без покрытия (для Al сплавов при содержании Si<12%). Для нержавеющей и мягких сталей – тип покрытия PVD.                                                        |
| Поверхность резьбы рваная   | Высокая скорость резания                                                                | Оптимизировать скорость резания.                                                                                                                                                                           |
|                             | Нарост на режущей кромке                                                                | См. Нарост на инструменте.                                                                                                                                                                                 |
|                             | Плохое удаление стружки из зоны резания                                                 | Использовать метчик с соответствующей геометрией канавки (с правой спиралью) и СОЖ.                                                                                                                        |

## Допуски

- Допуск по стандарту ISO-6HX.
- Доступны другие допуски по стандарту JIS.

## Применение

- С заходной частью 1.5, 2 и 2.5 – для глухих отверстий.
- С заходной частью 3.5, 4, 5 и 7.5 – для сквозных отверстий.

Для заметок



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