

Ручные развертки, регулируемые


| | |
|--------------------------------|---------|
| Артикул № | 415 |
| Стандарт | DIN 859 |
| Режущий материал | HSS |
| Покрытие | ○ |
| Тип | |
| Форма | В |
| Направление резания | правое |
| Допуск | |
| Группа скидок | 105 |
| Техническая информация на стр. | 1278 |



Ручные развёртки
из HSS

| d1 | d2 | l1 | l4 | SW | Z | Цена/шт. в ЕВРО |
|--------|--------|--------|--------|-------|----|-----------------|
| mm | mm | mm | mm | | | |
| 4,000 | 4,000 | 76,00 | 24,00 | 3,00 | 6 | ● |
| 5,000 | 5,000 | 87,00 | 30,00 | 3,80 | 6 | ● |
| 5,500 | 5,500 | 93,00 | 33,00 | 4,30 | 6 | ○ |
| 6,000 | 6,000 | 93,00 | 33,00 | 4,90 | 6 | ● |
| 7,000 | 7,000 | 107,00 | 38,00 | 5,50 | 9 | ● |
| 8,000 | 8,000 | 115,00 | 42,00 | 6,20 | 9 | ● |
| 9,000 | 9,000 | 124,00 | 46,00 | 7,00 | 9 | ● |
| 10,000 | 10,000 | 133,00 | 50,00 | 8,00 | 9 | ● |
| 11,000 | 11,000 | 142,00 | 51,00 | 9,00 | 9 | ● |
| 12,000 | 12,000 | 152,00 | 56,00 | 9,00 | 9 | ● |
| 12,500 | 12,500 | 152,00 | 56,00 | 10,00 | 9 | ○ |
| 13,000 | 13,000 | 152,00 | 56,00 | 10,00 | 9 | ● |
| 14,000 | 14,000 | 163,00 | 61,00 | 11,00 | 9 | ● |
| 15,000 | 15,000 | 163,00 | 61,00 | 12,00 | 9 | ● |
| 16,000 | 16,000 | 175,00 | 67,00 | 12,00 | 9 | ● |
| 17,000 | 17,000 | 175,00 | 67,00 | 13,00 | 9 | ○ |
| 18,000 | 18,000 | 188,00 | 68,00 | 14,50 | 9 | ○ |
| 19,000 | 19,000 | 188,00 | 68,00 | 14,50 | 9 | ● |
| 20,000 | 20,000 | 201,00 | 75,00 | 16,00 | 9 | ● |
| 21,000 | 21,000 | 201,00 | 75,00 | 16,00 | 12 | ○ |
| 22,000 | 22,000 | 215,00 | 82,00 | 18,00 | 12 | ● |
| 24,000 | 24,000 | 231,00 | 85,00 | 18,00 | 12 | ● |
| 25,000 | 25,000 | 231,00 | 85,00 | 20,00 | 12 | ● |
| 26,000 | 26,000 | 231,00 | 85,00 | 20,00 | 12 | ○ |
| 28,000 | 28,000 | 247,00 | 94,00 | 22,00 | 12 | ○ |
| 29,000 | 29,000 | 247,00 | 94,00 | 22,00 | 12 | ○ |
| 30,000 | 30,000 | 247,00 | 94,00 | 24,00 | 12 | ● |
| 31,000 | 31,000 | 265,00 | 99,00 | 24,00 | 12 | ○ |
| 32,000 | 32,000 | 265,00 | 99,00 | 24,00 | 12 | ○ |
| 33,000 | 33,000 | 265,00 | 99,00 | 26,00 | 12 | ● |
| 38,000 | 38,000 | 305,00 | 111,00 | 29,00 | 12 | ● |
| 41,000 | 41,000 | 305,00 | 111,00 | 32,00 | 12 | ○ |
| 43,000 | 43,000 | 326,00 | 120,00 | 35,00 | 12 | ○ |
| 46,000 | 46,000 | 326,00 | 120,00 | 35,00 | 12 | ○ |
| 47,000 | 47,000 | 326,00 | 120,00 | 39,00 | 12 | ○ |
| 49,000 | 49,000 | 347,00 | 131,00 | 39,00 | 12 | ○ |

**без
покрытия**

☐ обработка паром

**азотирование
ленточек**

● азотирование

 **золотисто-коричневый**
цвет

a TiAlN nanoA

A TIAIN SuperA