

Bohrreibahle

Foret alésoir

Punta alesatore

3-хперые сверла, развертки

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SPHINX

Your partner





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|---|-------|---------------------------|---|-----------------------------------|---|--|---|--|
|  | 55652 | 4 | ø 0.20–2.99 | –5xd | VHM MD/SC | |  | |
|  | 55654 | 6 | ø 1.00–14.00 | –5xd | VHM MD/SC | |  | |
|  | 55338 | 7 | ø 1.00–14.00 | –10xd | VHM MD/SC | |  | |
|  | 50840 | 8 | ø 2.00–14.00 | –5xd | VHM MD/SC | |  | |
|  | 58000 | 9 | ø 0.99–6.01 | –8xd | VHM MD/SC | |  | |
|  | 58500 | 9 | ø 0.99–6.01 | –8xd | VHM MD/SC | |  | |
| $V = \frac{d \times \pi \times n}{1000}$ | | 10–11 | Schnittdaten/Données de coupe Режимы резания | | | | | |

✓ hervorragend
remarquablement
ottimo
первый выбор

✓ gut
bien
bene
второй выбор

| | Сталь <math><1000\text{N/mm}^2</math> | Сталь >math>>1000\text{N/mm}^2</math> | Нерж. сталь марганецист. | Нерж. сталь бустепенивая | Сu, Вu, Кч | Al <math><9\% \text{ Si}</math> | Al >math>>9\% \text{ Si}</math> | Ti | CuZn | CuSn | Cu | Mg | Au | Ag |
|--|--|--|-----------------------------|-----------------------------|---------------|------------------------------------|------------------------------------|----|------|------|----|----|----|----|
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | | | ✓ | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |

Mikrotricut mit verstärktem Schaft

Microtricut avec manche renforcé

Microtricut con gambo rinforzato

3-хперое микросверло с усиленным хвостовиком

Арт. 55652

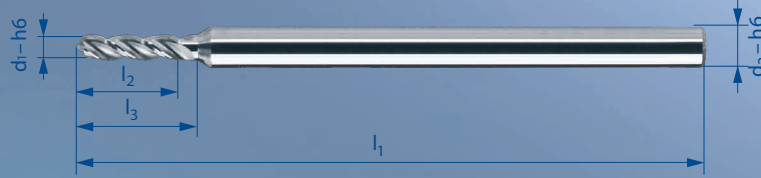
сталь

СЧ, ВЧ,
КЧ

Ti

Al

нерж.сталь



VHM
MD/SC

SPHINX
NORM



Z
3



Vc => S./p. 10

| d1 | l2 | l3 | l1 | d2 |
|------|------|------|-------|------|
| mm | mm | mm | mm | mm |
| 0.20 | 1.00 | 1.50 | 38.00 | 3.00 |
| 0.21 | 1.05 | 1.50 | 38.00 | 3.00 |
| 0.22 | 1.10 | 1.60 | 38.00 | 3.00 |
| 0.23 | 1.15 | 1.60 | 38.00 | 3.00 |
| 0.24 | 1.20 | 1.70 | 38.00 | 3.00 |
| 0.25 | 1.25 | 1.70 | 38.00 | 3.00 |
| 0.26 | 1.30 | 1.80 | 38.00 | 3.00 |
| 0.27 | 1.35 | 1.80 | 38.00 | 3.00 |
| 0.28 | 1.40 | 1.90 | 38.00 | 3.00 |
| 0.29 | 1.45 | 1.90 | 38.00 | 3.00 |
| 0.30 | 1.50 | 2.00 | 38.00 | 3.00 |
| 0.31 | 1.55 | 2.00 | 38.00 | 3.00 |
| 0.32 | 1.60 | 2.10 | 38.00 | 3.00 |
| 0.33 | 1.65 | 2.10 | 38.00 | 3.00 |
| 0.34 | 1.70 | 2.20 | 38.00 | 3.00 |
| 0.35 | 1.75 | 2.20 | 38.00 | 3.00 |
| 0.36 | 1.80 | 2.30 | 38.00 | 3.00 |
| 0.37 | 1.85 | 2.30 | 38.00 | 3.00 |
| 0.38 | 1.90 | 2.40 | 38.00 | 3.00 |
| 0.39 | 1.95 | 2.40 | 38.00 | 3.00 |
| 0.40 | 2.00 | 2.50 | 38.00 | 3.00 |
| 0.41 | 2.05 | 2.50 | 38.00 | 3.00 |
| 0.42 | 2.10 | 2.60 | 38.00 | 3.00 |
| 0.43 | 2.15 | 2.60 | 38.00 | 3.00 |
| 0.44 | 2.20 | 2.70 | 38.00 | 3.00 |
| 0.45 | 2.25 | 2.70 | 38.00 | 3.00 |
| 0.46 | 2.30 | 2.80 | 38.00 | 3.00 |
| 0.47 | 2.35 | 2.80 | 38.00 | 3.00 |
| 0.48 | 2.40 | 2.90 | 38.00 | 3.00 |
| 0.49 | 2.45 | 2.90 | 38.00 | 3.00 |
| 0.50 | 2.50 | 3.00 | 38.00 | 3.00 |
| 0.51 | 2.55 | 3.00 | 38.00 | 3.00 |
| 0.52 | 2.60 | 3.10 | 38.00 | 3.00 |
| 0.53 | 2.65 | 3.10 | 38.00 | 3.00 |
| 0.54 | 2.70 | 3.20 | 38.00 | 3.00 |
| 0.55 | 2.75 | 3.20 | 38.00 | 3.00 |
| 0.56 | 2.80 | 3.30 | 38.00 | 3.00 |
| 0.57 | 2.85 | 3.30 | 38.00 | 3.00 |
| 0.58 | 2.90 | 3.40 | 38.00 | 3.00 |
| 0.59 | 2.95 | 3.40 | 38.00 | 3.00 |

| d1 | l2 | l3 | l1 | d2 |
|------|------|------|-------|------|
| mm | mm | mm | mm | mm |
| 0.60 | 3.00 | 3.50 | 38.00 | 3.00 |
| 0.61 | 3.05 | 3.50 | 38.00 | 3.00 |
| 0.62 | 3.10 | 3.60 | 38.00 | 3.00 |
| 0.63 | 3.15 | 3.60 | 38.00 | 3.00 |
| 0.64 | 3.20 | 3.70 | 38.00 | 3.00 |
| 0.65 | 3.25 | 3.70 | 38.00 | 3.00 |
| 0.66 | 3.30 | 3.80 | 38.00 | 3.00 |
| 0.67 | 3.35 | 3.80 | 38.00 | 3.00 |
| 0.68 | 3.40 | 3.90 | 38.00 | 3.00 |
| 0.69 | 3.45 | 3.90 | 38.00 | 3.00 |
| 0.70 | 3.50 | 4.00 | 38.00 | 3.00 |
| 0.71 | 3.55 | 4.00 | 38.00 | 3.00 |
| 0.72 | 3.60 | 4.10 | 38.00 | 3.00 |
| 0.73 | 3.65 | 4.10 | 38.00 | 3.00 |
| 0.74 | 3.70 | 4.20 | 38.00 | 3.00 |
| 0.75 | 3.75 | 4.20 | 38.00 | 3.00 |
| 0.76 | 3.80 | 4.30 | 38.00 | 3.00 |
| 0.77 | 3.85 | 4.30 | 38.00 | 3.00 |
| 0.78 | 3.90 | 4.40 | 38.00 | 3.00 |
| 0.79 | 3.95 | 4.40 | 38.00 | 3.00 |
| 0.80 | 4.00 | 4.50 | 38.00 | 3.00 |
| 0.81 | 4.05 | 4.50 | 38.00 | 3.00 |
| 0.82 | 4.10 | 4.60 | 38.00 | 3.00 |
| 0.83 | 4.15 | 4.60 | 38.00 | 3.00 |
| 0.84 | 4.20 | 4.70 | 38.00 | 3.00 |
| 0.85 | 4.25 | 4.70 | 38.00 | 3.00 |
| 0.86 | 4.30 | 4.80 | 38.00 | 3.00 |
| 0.87 | 4.35 | 4.80 | 38.00 | 3.00 |
| 0.88 | 4.40 | 4.90 | 38.00 | 3.00 |
| 0.89 | 4.45 | 4.90 | 38.00 | 3.00 |
| 0.90 | 4.50 | 5.00 | 38.00 | 3.00 |
| 0.91 | 4.55 | 5.00 | 38.00 | 3.00 |
| 0.92 | 4.60 | 5.10 | 38.00 | 3.00 |
| 0.93 | 4.65 | 5.10 | 38.00 | 3.00 |
| 0.94 | 4.70 | 5.20 | 38.00 | 3.00 |
| 0.95 | 4.75 | 5.20 | 38.00 | 3.00 |
| 0.96 | 4.80 | 5.30 | 38.00 | 3.00 |
| 0.97 | 4.85 | 5.30 | 38.00 | 3.00 |
| 0.98 | 4.90 | 5.40 | 38.00 | 3.00 |
| 0.99 | 4.95 | 5.40 | 38.00 | 3.00 |

| d1 | l2 | l3 | l1 | d2 |
|------|------|------|-------|-----|
| mm | mm | mm | mm | mm |
| 1.00 | 5.00 | 6.50 | 38.00 | 3.0 |
| 1.01 | 5.05 | 6.50 | 38.00 | 3.0 |
| 1.02 | 5.10 | 6.50 | 38.00 | 3.0 |
| 1.03 | 5.15 | 6.50 | 38.00 | 3.0 |
| 1.04 | 5.20 | 6.50 | 38.00 | 3.0 |
| 1.05 | 5.25 | 6.50 | 38.00 | 3.0 |
| 1.06 | 5.30 | 6.50 | 38.00 | 3.0 |
| 1.07 | 5.35 | 7.50 | 38.00 | 3.0 |
| 1.08 | 5.40 | 7.50 | 38.00 | 3.0 |
| 1.09 | 5.45 | 7.50 | 38.00 | 3.0 |
| 1.10 | 5.50 | 7.50 | 38.00 | 3.0 |
| 1.11 | 5.55 | 7.50 | 38.00 | 3.0 |
| 1.12 | 5.60 | 7.50 | 38.00 | 3.0 |
| 1.13 | 5.65 | 7.50 | 38.00 | 3.0 |
| 1.14 | 5.70 | 7.50 | 38.00 | 3.0 |
| 1.15 | 5.75 | 7.50 | 38.00 | 3.0 |
| 1.16 | 5.80 | 7.50 | 38.00 | 3.0 |
| 1.17 | 5.85 | 7.50 | 38.00 | 3.0 |
| 1.18 | 5.90 | 8.50 | 38.00 | 3.0 |
| 1.19 | 5.95 | 8.50 | 38.00 | 3.0 |
| 1.20 | 6.00 | 8.50 | 38.00 | 3.0 |
| 1.21 | 6.05 | 8.50 | 38.00 | 3.0 |
| 1.22 | 6.10 | 8.50 | 38.00 | 3.0 |
| 1.23 | 6.15 | 8.50 | 38.00 | 3.0 |
| 1.24 | 6.20 | 8.50 | 38.00 | 3.0 |
| 1.25 | 6.25 | 8.50 | 38.00 | 3.0 |
| 1.26 | 6.30 | 8.50 | 38.00 | 3.0 |
| 1.27 | 6.35 | 8.50 | 38.00 | 3.0 |
| 1.28 | 6.40 | 8.50 | 38.00 | 3.0 |
| 1.29 | 6.45 | 8.50 | 38.00 | 3.0 |
| 1.30 | 6.50 | 8.50 | 38.00 | 3.0 |
| 1.31 | 6.55 | 8.50 | 38.00 | 3.0 |
| 1.32 | 6.60 | 8.50 | 38.00 | 3.0 |
| 1.33 | 6.65 | 9.50 | 38.00 | 3.0 |
| 1.34 | 6.70 | 9.50 | 38.00 | 3.0 |
| 1.35 | 6.75 | 9.50 | 38.00 | 3.0 |
| 1.36 | 6.80 | 9.50 | 38.00 | 3.0 |
| 1.37 | 6.85 | 9.50 | 38.00 | 3.0 |
| 1.38 | 6.90 | 9.50 | 38.00 | 3.0 |
| 1.39 | 6.95 | 9.50 | 38.00 | 3.0 |

| d1 | l2 | l3 | l1 | d2 |
|------|------|-------|-------|-----|
| mm | mm | mm | mm | mm |
| 1.40 | 7.00 | 9.50 | 38.00 | 3.0 |
| 1.41 | 7.05 | 9.50 | 38.00 | 3.0 |
| 1.42 | 7.10 | 9.50 | 38.00 | 3.0 |
| 1.43 | 7.15 | 9.50 | 38.00 | 3.0 |
| 1.44 | 7.20 | 9.50 | 38.00 | 3.0 |
| 1.45 | 7.25 | 9.50 | 38.00 | 3.0 |
| 1.46 | 7.30 | 9.50 | 38.00 | 3.0 |
| 1.47 | 7.35 | 9.50 | 38.00 | 3.0 |
| 1.48 | 7.40 | 9.50 | 38.00 | 3.0 |
| 1.49 | 7.45 | 9.50 | 38.00 | 3.0 |
| 1.50 | 7.50 | 9.50 | 38.00 | 3.0 |
| 1.51 | 7.55 | 10.50 | 38.00 | 3.0 |
| 1.52 | 7.60 | 10.50 | 38.00 | 3.0 |
| 1.53 | 7.65 | 10.50 | 38.00 | 3.0 |
| 1.54 | 7.70 | 10.50 | 38.00 | 3.0 |
| 1.55 | 7.75 | 10.50 | 38.00 | 3.0 |
| 1.56 | 7.80 | 10.50 | 38.00 | 3.0 |
| 1.57 | 7.85 | 10.50 | 38.00 | 3.0 |
| 1.58 | 7.90 | 10.50 | 38.00 | 3.0 |
| 1.59 | 7.95 | 10.50 | 38.00 | 3.0 |
| 1.60 | 8.00 | 10.50 | 38.00 | 3.0 |
| 1.61 | 8.05 | 10.50 | 38.00 | 3.0 |
| 1.62 | 8.10 | 10.50 | 38.00 | 3.0 |
| 1.63 | 8.15 | 10.50 | 38.00 | 3.0 |
| 1.64 | 8.20 | 10.50 | 38.00 | 3.0 |
| 1.65 | 8.25 | 10.50 | 38.00 | 3.0 |
| 1.66 | 8.30 | 10.50 | 38.00 | 3.0 |
| 1.67 | 8.35 | 10.50 | 38.00 | 3.0 |
| 1.68 | 8.40 | 10.50 | 38.00 | 3.0 |
| 1.69 | 8.45 | 10.50 | 38.00 | 3.0 |
| 1.70 | 8.50 | 10.50 | 38.00 | 3.0 |
| 1.71 | 8.55 | 11.50 | 38.00 | 3.0 |
| 1.72 | 8.60 | 11.50 | 38.00 | 3.0 |
| 1.73 | 8.65 | 11.50 | 38.00 | 3.0 |
| 1.74 | 8.70 | 11.50 | 38.00 | 3.0 |
| 1.75 | 8.75 | 11.50 | 38.00 | 3.0 |
| 1.76 | 8.80 | 11.50 | 38.00 | 3.0 |
| 1.77 | 8.85 | 11.50 | 38.00 | 3.0 |
| 1.78 | 8.90 | 11.50 | 38.00 | 3.0 |
| 1.79 | 8.95 | 11.50 | 38.00 | 3.0 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ |
|----------------|----------------|----------------|----------------|----------------|
| mm | mm | mm | mm | mm |
| 1.80 | 9.00 | 11.50 | 38.00 | 3.0 |
| 1.81 | 9.05 | 11.50 | 38.00 | 3.0 |
| 1.82 | 9.10 | 11.50 | 38.00 | 3.0 |
| 1.83 | 9.15 | 11.50 | 38.00 | 3.0 |
| 1.84 | 9.20 | 11.50 | 38.00 | 3.0 |
| 1.85 | 9.25 | 11.50 | 38.00 | 3.0 |
| 1.86 | 9.30 | 11.50 | 38.00 | 3.0 |
| 1.87 | 9.35 | 11.50 | 38.00 | 3.0 |
| 1.88 | 9.40 | 11.50 | 38.00 | 3.0 |
| 1.89 | 9.45 | 11.50 | 38.00 | 3.0 |
| 1.90 | 9.50 | 11.50 | 38.00 | 3.0 |
| 1.91 | 9.55 | 12.50 | 38.00 | 3.0 |
| 1.92 | 9.60 | 12.50 | 38.00 | 3.0 |
| 1.93 | 9.65 | 12.50 | 38.00 | 3.0 |
| 1.94 | 9.70 | 12.50 | 38.00 | 3.0 |
| 1.95 | 9.75 | 12.50 | 38.00 | 3.0 |
| 1.96 | 9.80 | 12.50 | 38.00 | 3.0 |
| 1.97 | 9.85 | 12.50 | 38.00 | 3.0 |
| 1.98 | 9.90 | 12.50 | 38.00 | 3.0 |
| 1.99 | 9.95 | 12.50 | 38.00 | 3.0 |
| 2.00 | 10.00 | 12.50 | 38.00 | 3.0 |
| 2.01 | 10.05 | 12.50 | 38.00 | 3.0 |
| 2.02 | 10.10 | 12.50 | 38.00 | 3.0 |
| 2.03 | 10.15 | 12.50 | 38.00 | 3.0 |
| 2.04 | 10.20 | 12.50 | 38.00 | 3.0 |
| 2.05 | 10.25 | 12.50 | 38.00 | 3.0 |
| 2.06 | 10.30 | 12.50 | 38.00 | 3.0 |
| 2.07 | 10.35 | 12.50 | 38.00 | 3.0 |
| 2.08 | 10.40 | 12.50 | 38.00 | 3.0 |
| 2.09 | 10.45 | 12.50 | 38.00 | 3.0 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ |
|----------------|----------------|----------------|----------------|----------------|
| mm | mm | mm | mm | mm |
| 2.10 | 10.50 | 12.50 | 38.00 | 3.0 |
| 2.11 | 10.55 | 12.50 | 38.00 | 3.0 |
| 2.12 | 10.60 | 12.50 | 38.00 | 3.0 |
| 2.13 | 10.65 | 13.50 | 38.00 | 3.0 |
| 2.14 | 10.70 | 13.50 | 38.00 | 3.0 |
| 2.15 | 10.75 | 13.50 | 38.00 | 3.0 |
| 2.16 | 10.80 | 13.50 | 38.00 | 3.0 |
| 2.17 | 10.85 | 13.50 | 38.00 | 3.0 |
| 2.18 | 10.90 | 13.50 | 38.00 | 3.0 |
| 2.19 | 10.95 | 13.50 | 38.00 | 3.0 |
| 2.20 | 11.00 | 13.50 | 38.00 | 3.0 |
| 2.21 | 11.05 | 13.50 | 38.00 | 3.0 |
| 2.22 | 11.10 | 13.50 | 38.00 | 3.0 |
| 2.23 | 11.15 | 13.50 | 38.00 | 3.0 |
| 2.24 | 11.20 | 13.50 | 38.00 | 3.0 |
| 2.25 | 11.25 | 13.50 | 38.00 | 3.0 |
| 2.26 | 11.30 | 13.50 | 38.00 | 3.0 |
| 2.27 | 11.35 | 13.50 | 38.00 | 3.0 |
| 2.28 | 11.40 | 13.50 | 38.00 | 3.0 |
| 2.29 | 11.45 | 13.50 | 38.00 | 3.0 |
| 2.30 | 11.50 | 13.50 | 38.00 | 3.0 |
| 2.31 | 11.55 | 13.50 | 38.00 | 3.0 |
| 2.32 | 11.60 | 13.50 | 38.00 | 3.0 |
| 2.33 | 11.65 | 13.50 | 38.00 | 3.0 |
| 2.34 | 11.70 | 13.50 | 38.00 | 3.0 |
| 2.35 | 11.75 | 13.50 | 38.00 | 3.0 |
| 2.36 | 11.80 | 13.50 | 38.00 | 3.0 |
| 2.37 | 11.85 | 14.50 | 38.00 | 3.0 |
| 2.38 | 11.90 | 14.50 | 38.00 | 3.0 |
| 2.39 | 11.95 | 14.50 | 38.00 | 3.0 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ |
|----------------|----------------|----------------|----------------|----------------|
| mm | mm | mm | mm | mm |
| 2.40 | 12.00 | 14.50 | 38.00 | 3.0 |
| 2.41 | 12.05 | 14.50 | 38.00 | 3.0 |
| 2.42 | 12.10 | 14.50 | 38.00 | 3.0 |
| 2.43 | 12.15 | 14.50 | 38.00 | 3.0 |
| 2.44 | 12.20 | 14.50 | 38.00 | 3.0 |
| 2.45 | 12.25 | 14.50 | 38.00 | 3.0 |
| 2.46 | 12.30 | 14.50 | 38.00 | 3.0 |
| 2.47 | 12.35 | 14.50 | 38.00 | 3.0 |
| 2.48 | 12.40 | 14.50 | 38.00 | 3.0 |
| 2.49 | 12.45 | 14.50 | 38.00 | 3.0 |
| 2.50 | 12.50 | 14.50 | 38.00 | 3.0 |
| 2.51 | 12.55 | 14.50 | 38.00 | 3.0 |
| 2.52 | 12.60 | 14.50 | 38.00 | 3.0 |
| 2.53 | 12.65 | 14.50 | 38.00 | 3.0 |
| 2.54 | 12.70 | 14.50 | 38.00 | 3.0 |
| 2.55 | 12.75 | 14.50 | 38.00 | 3.0 |
| 2.56 | 12.80 | 14.50 | 38.00 | 3.0 |
| 2.57 | 12.85 | 14.50 | 38.00 | 3.0 |
| 2.58 | 12.90 | 14.50 | 38.00 | 3.0 |
| 2.59 | 12.95 | 14.50 | 38.00 | 3.0 |
| 2.60 | 13.00 | 14.50 | 38.00 | 3.0 |
| 2.61 | 13.05 | 14.50 | 38.00 | 3.0 |
| 2.62 | 13.10 | 14.50 | 38.00 | 3.0 |
| 2.63 | 13.15 | 14.50 | 38.00 | 3.0 |
| 2.64 | 13.20 | 14.50 | 38.00 | 3.0 |
| 2.65 | 13.25 | 14.50 | 38.00 | 3.0 |
| 2.66 | 13.30 | 16.50 | 38.00 | 3.0 |
| 2.67 | 13.35 | 16.50 | 38.00 | 3.0 |
| 2.68 | 13.40 | 16.50 | 38.00 | 3.0 |
| 2.69 | 13.45 | 16.50 | 38.00 | 3.0 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ |
|----------------|----------------|----------------|----------------|----------------|
| mm | mm | mm | mm | mm |
| 2.70 | 13.50 | 16.50 | 38.00 | 3.0 |
| 2.71 | 13.55 | 16.50 | 38.00 | 3.0 |
| 2.72 | 13.60 | 16.50 | 38.00 | 3.0 |
| 2.73 | 13.65 | 16.50 | 38.00 | 3.0 |
| 2.74 | 13.70 | 16.50 | 38.00 | 3.0 |
| 2.75 | 13.75 | 16.50 | 38.00 | 3.0 |
| 2.76 | 13.80 | 16.50 | 38.00 | 3.0 |
| 2.77 | 13.85 | 16.50 | 38.00 | 3.0 |
| 2.78 | 13.90 | 16.50 | 38.00 | 3.0 |
| 2.79 | 13.95 | 16.50 | 38.00 | 3.0 |
| 2.80 | 14.00 | 16.50 | 38.00 | 3.0 |
| 2.81 | 14.05 | 16.50 | 38.00 | 3.0 |
| 2.82 | 14.10 | 16.50 | 38.00 | 3.0 |
| 2.83 | 14.15 | 16.50 | 38.00 | 3.0 |
| 2.84 | 14.20 | 16.50 | 38.00 | 3.0 |
| 2.85 | 14.25 | 16.50 | 38.00 | 3.0 |
| 2.86 | 14.30 | 16.50 | 38.00 | 3.0 |
| 2.87 | 14.35 | 16.50 | 38.00 | 3.0 |
| 2.88 | 14.40 | 16.50 | 38.00 | 3.0 |
| 2.89 | 14.45 | 16.50 | 38.00 | 3.0 |
| 2.90 | 14.50 | 16.50 | 38.00 | 3.0 |
| 2.91 | 14.55 | 16.50 | 38.00 | 3.0 |
| 2.92 | 14.60 | 16.50 | 38.00 | 3.0 |
| 2.93 | 14.65 | 16.50 | 38.00 | 3.0 |
| 2.94 | 14.70 | 16.50 | 38.00 | 3.0 |
| 2.95 | 14.75 | 16.50 | 38.00 | 3.0 |
| 2.96 | 14.80 | 16.50 | 38.00 | 3.0 |
| 2.97 | 14.85 | 15.50 | 38.00 | 3.0 |
| 2.98 | 14.90 | 16.50 | 38.00 | 3.0 |
| 2.99 | 14.95 | 16.50 | 38.00 | 3.0 |



Bohrreibahle TRICUT

Foret alésoir TRICUT

Punta alesatore TRICUT

3-хперое сверло TRICUT

Art. 55654

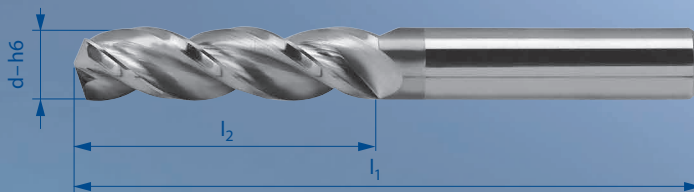
сталь

СЧ, ВЧ,
КЧ

Ti

Al

нерж.сталь



VHM
MD/SC

DIN
6539



Z
3



Zwischenmasse erhältlich
Dimensions intermédiaire disponible
Quote intermediarie disponibili
Возможны промежуточные размеры

Vc => S./p. 10

| d ₁ mm | l ₂ mm | l ₁ mm | |
|----------------------|----------------------|----------------------|----|
| 1.00 | 6.0 | 26 | |
| 1.10 | 6.5 | 28 | |
| 1.20 | 7.5 | 30 | |
| 1.30 | 7.5 | 30 | |
| 1.40 | 8.5 | 32 | |
| 1.50 | 8.5 | 32 | |
| 1.60 | 9.5 | 34 | |
| 1.70 | 9.5 | 34 | |
| 1.80 | 10.5 | 36 | |
| 1.90 | 10.5 | 36 | |
| 2.00 | 11.5 | 38 | |
| 2.10 | 11.5 | 38 | |
| 2.20 | 12.5 | 40 | |
| 2.30 | 12.5 | 40 | |
| 2.40 | 13.5 | 43 | |
| 2.50 | 13.5 | 43 | |
| 2.60 | 13.5 | 43 | |
| 2.70 | 15.5 | 46 | |
| 2.80 | 15.5 | 46 | |
| 2.90 | 15.5 | 46 | |
| 3.00 | 15.5 | 46 | |
| 3.10 | 17.0 | 49 | |
| 3.175 | 1/8" | 17.0 | 49 |
| 3.20 | 17.0 | 49 | |
| 3.30 | 17.0 | 49 | |
| 3.40 | 19.0 | 52 | |
| 3.50 | 19.0 | 52 | |
| 3.60 | 19.0 | 52 | |

| d ₁ mm | l ₂ mm | l ₁ mm | |
|----------------------|----------------------|----------------------|----|
| 3.70 | 19.0 | 52 | |
| 3.80 | 21.0 | 55 | |
| 3.90 | 21.0 | 55 | |
| 3.969 | 5/32" | 21.0 | 55 |
| 4.00 | 21.0 | 55 | |
| 4.10 | 21.0 | 55 | |
| 4.20 | 21.0 | 55 | |
| 4.30 | 22.5 | 58 | |
| 4.40 | 22.5 | 58 | |
| 4.50 | 22.5 | 58 | |
| 4.60 | 22.5 | 58 | |
| 4.70 | 22.5 | 58 | |
| 4.763 | 3/16" | 24.5 | 62 |
| 4.80 | 24.5 | 62 | |
| 4.90 | 24.5 | 62 | |
| 5.00 | 24.5 | 62 | |
| 5.10 | 24.5 | 62 | |
| 5.20 | 24.5 | 62 | |
| 5.30 | 24.5 | 62 | |
| 5.40 | 26.0 | 66 | |
| 5.50 | 26.0 | 66 | |
| 5.556 | 7/32" | 26.0 | 66 |
| 5.60 | 26.0 | 66 | |
| 5.70 | 26.0 | 66 | |
| 5.80 | 26.0 | 66 | |
| 5.90 | 26.0 | 66 | |
| 6.00 | 26.0 | 66 | |
| 6.10 | 28.5 | 70 | |

| d ₁ mm | l ₂ mm | l ₁ mm | |
|----------------------|----------------------|----------------------|----|
| 6.20 | 28.5 | 70 | |
| 6.30 | 28.5 | 70 | |
| 6.350 | 1/4" | 28.5 | 70 |
| 6.40 | 28.5 | 70 | |
| 6.50 | 28.5 | 70 | |
| 6.60 | 28.5 | 70 | |
| 6.70 | 28.5 | 70 | |
| 6.80 | 31.0 | 74 | |
| 6.90 | 31.0 | 74 | |
| 7.00 | 31.0 | 74 | |
| 7.10 | 31.0 | 74 | |
| 7.144 | 9/32" | 31.0 | 74 |
| 7.20 | 31.0 | 74 | |
| 7.30 | 31.0 | 74 | |
| 7.40 | 31.0 | 74 | |
| 7.50 | 31.0 | 74 | |
| 7.60 | 34.0 | 79 | |
| 7.70 | 34.0 | 79 | |
| 7.80 | 34.0 | 79 | |
| 7.90 | 34.0 | 79 | |
| 7.938 | 5/16" | 34.0 | 79 |
| 8.00 | 34.0 | 79 | |
| 8.10 | 34.0 | 79 | |
| 8.20 | 34.0 | 79 | |
| 8.30 | 34.0 | 79 | |
| 8.40 | 34.0 | 79 | |
| 8.50 | 34.0 | 79 | |
| 8.60 | 36.5 | 84 | |

| d ₁ mm | l ₂ mm | l ₁ mm | |
|----------------------|----------------------|----------------------|-----|
| 8.70 | 36.5 | 84 | |
| 8.80 | 36.5 | 84 | |
| 8.90 | 36.5 | 84 | |
| 9.00 | 36.5 | 84 | |
| 9.10 | 36.5 | 84 | |
| 9.20 | 36.5 | 84 | |
| 9.30 | 36.5 | 84 | |
| 9.40 | 36.5 | 84 | |
| 9.50 | 36.5 | 84 | |
| 9.525 | 3/8" | 39.0 | 89 |
| 9.60 | 39.0 | 89 | |
| 9.70 | 39.0 | 89 | |
| 9.80 | 39.0 | 89 | |
| 9.90 | 39.0 | 89 | |
| 10.00 | 39.0 | 89 | |
| 10.20 | 39.0 | 89 | |
| 10.50 | 39.0 | 89 | |
| 11.00 | 43.0 | 95 | |
| 11.113 | 7/16" | 43.0 | 95 |
| 11.50 | 43.0 | 95 | |
| 12.00 | 47.0 | 102 | |
| 12.50 | 47.0 | 102 | |
| 12.700 | 1/2" | 47.0 | 102 |
| 13.00 | 47.0 | 102 | |
| 13.50 | 50.0 | 107 | |
| 14.00 | 50.0 | 107 | |

Bohrreibahle TRICUT LONG

Foret alésoir TRICUT LONG

Punta alesatore TRICUT LONG

3-хперое сверло TRICUT LONG

Art. 55338

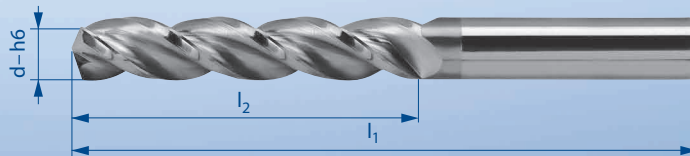
сталь

СЧ, ВЧ,
КЧ

Ti

Al

нерж.сталь



VHM
MD/SC

DIN
338



Typ
N

Z
3

H7 - H9



Zwischenmasse erhältlich
Dimensions intermédiaire disponible
Quote intermediaire disponibili
Возможны промежуточные размеры

Vc => S./p. 10

| d ₁ | l ₂ | l ₁ | d ₁ | l ₂ | l ₁ | d ₁ | l ₂ | l ₁ |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 1.00 | 11.5 | 34 | 4.80 | 50.0 | 86 | 8.60 | 78.0 | 125 |
| 1.10 | 13.0 | 36 | 4.90 | 50.0 | 86 | 8.70 | 78.0 | 125 |
| 1.20 | 15.0 | 38 | 5.00 | 50.0 | 86 | 8.80 | 78.0 | 125 |
| 1.30 | 15.0 | 38 | 5.10 | 50.0 | 86 | 8.90 | 78.0 | 125 |
| 1.40 | 17.0 | 40 | 5.20 | 50.0 | 86 | 9.00 | 78.0 | 125 |
| 1.50 | 17.0 | 40 | 5.30 | 50.0 | 86 | 9.10 | 78.0 | 125 |
| 1.60 | 19.0 | 43 | 5.40 | 55.0 | 93 | 9.20 | 78.0 | 125 |
| 1.70 | 19.0 | 43 | 5.50 | 55.0 | 93 | 9.30 | 78.0 | 125 |
| 1.80 | 21.0 | 46 | 5.60 | 55.0 | 93 | 9.40 | 78.0 | 125 |
| 1.90 | 21.0 | 46 | 5.70 | 55.0 | 93 | 9.50 | 78.0 | 125 |
| 2.00 | 22.0 | 49 | 5.80 | 55.0 | 93 | 9.60 | 84.0 | 133 |
| 2.10 | 22.0 | 49 | 5.90 | 55.0 | 93 | 9.70 | 84.0 | 133 |
| 2.20 | 25.0 | 53 | 6.00 | 55.0 | 93 | 9.80 | 84.0 | 133 |
| 2.30 | 25.0 | 53 | 6.10 | 60.0 | 101 | 9.90 | 84.0 | 133 |
| 2.40 | 28.0 | 57 | 6.20 | 60.0 | 101 | 10.00 | 84.0 | 133 |
| 2.50 | 28.0 | 57 | 6.30 | 60.0 | 101 | 10.20 | 84.0 | 133 |
| 2.60 | 28.0 | 57 | 6.40 | 60.0 | 101 | 10.50 | 84.0 | 133 |
| 2.70 | 31.0 | 61 | 6.50 | 60.0 | 101 | 11.00 | 91.0 | 142 |
| 2.80 | 31.0 | 61 | 6.60 | 60.0 | 101 | 11.50 | 91.0 | 142 |
| 2.90 | 31.0 | 61 | 6.70 | 60.0 | 101 | 12.00 | 98.0 | 151 |
| 3.00 | 31.0 | 61 | 6.80 | 66.0 | 109 | 12.50 | 98.0 | 151 |
| 3.10 | 34.0 | 65 | 6.90 | 66.0 | 109 | 13.00 | 98.0 | 151 |
| 3.20 | 34.0 | 65 | 7.00 | 66.0 | 109 | 13.50 | 105.0 | 160 |
| 3.30 | 34.0 | 65 | 7.10 | 66.0 | 109 | 14.00 | 105.0 | 160 |
| 3.40 | 37.0 | 70 | 7.20 | 66.0 | 109 | | | |
| 3.50 | 37.0 | 70 | 7.30 | 66.0 | 109 | | | |
| 3.60 | 37.0 | 70 | 7.40 | 66.0 | 109 | | | |
| 3.70 | 37.0 | 70 | 7.50 | 66.0 | 109 | | | |
| 3.80 | 41.0 | 75 | 7.60 | 72.0 | 117 | | | |
| 3.90 | 41.0 | 75 | 7.70 | 72.0 | 117 | | | |
| 4.00 | 41.0 | 75 | 7.80 | 72.0 | 117 | | | |
| 4.10 | 41.0 | 75 | 7.90 | 72.0 | 117 | | | |
| 4.20 | 41.0 | 75 | 8.00 | 72.0 | 117 | | | |
| 4.30 | 45.0 | 80 | 8.10 | 72.0 | 117 | | | |
| 4.40 | 45.0 | 80 | 8.20 | 72.0 | 117 | | | |
| 4.50 | 45.0 | 80 | 8.30 | 72.0 | 117 | | | |
| 4.60 | 45.0 | 80 | 8.40 | 72.0 | 117 | | | |
| 4.70 | 45.0 | 80 | 8.50 | 72.0 | 117 | | | |

Bohrreibahle ASYCUT

Foret alésoir ASYCUT

Punta alesatore ASYCUT

Сверло-развертка ASYCUT

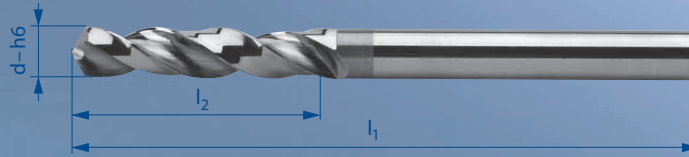
Art. 50840

Mg

Al

St

нерж.сталь



VHM
MD/SC

DIN
6539



Typ
N

Z
2

H7 - H9



Vc => S./p. 11

| d ₁ mm | l ₂ mm | l ₁ mm |
|----------------------|----------------------|----------------------|
| 2.00 | 11.5 | 38 |
| 2.10 | 11.5 | 38 |
| 2.20 | 12.5 | 40 |
| 2.30 | 12.5 | 40 |
| 2.40 | 13.5 | 43 |
| 2.50 | 13.5 | 43 |
| 2.60 | 13.5 | 43 |
| 2.70 | 15.5 | 46 |
| 2.80 | 15.5 | 46 |
| 2.90 | 15.5 | 46 |
| 3.00 | 15.5 | 46 |
| 3.10 | 17.5 | 49 |
| 3.20 | 17.5 | 49 |
| 3.30 | 17.5 | 49 |
| 3.40 | 19.5 | 52 |
| 3.50 | 19.5 | 52 |
| 3.60 | 19.5 | 52 |
| 3.70 | 19.5 | 52 |
| 3.80 | 21.5 | 55 |
| 3.90 | 21.5 | 55 |
| 4.00 | 21.5 | 55 |
| 4.10 | 21.5 | 55 |
| 4.20 | 21.5 | 55 |
| 4.30 | 23.0 | 58 |
| 4.40 | 23.0 | 58 |
| 4.50 | 23.0 | 58 |
| 4.60 | 23.0 | 58 |
| 4.70 | 23.0 | 58 |
| 4.80 | 25.0 | 62 |
| 4.90 | 25.0 | 62 |
| 5.00 | 25.0 | 62 |
| 5.10 | 25.0 | 62 |
| 5.20 | 25.0 | 62 |
| 5.30 | 25.0 | 62 |
| 5.40 | 27.0 | 66 |
| 5.50 | 27.0 | 66 |
| 5.60 | 27.0 | 66 |
| 5.70 | 27.0 | 66 |

| d ₁ mm | l ₂ mm | l ₁ mm |
|----------------------|----------------------|----------------------|
| 5.80 | 27.0 | 66 |
| 5.90 | 27.0 | 66 |
| 6.00 | 27.0 | 66 |
| 6.10 | 30.0 | 70 |
| 6.20 | 30.0 | 70 |
| 6.30 | 30.0 | 70 |
| 6.40 | 30.0 | 70 |
| 6.50 | 30.0 | 70 |
| 6.60 | 30.0 | 70 |
| 6.70 | 30.0 | 70 |
| 6.80 | 33.0 | 74 |
| 6.90 | 33.0 | 74 |
| 7.00 | 33.0 | 74 |
| 7.10 | 33.0 | 74 |
| 7.20 | 33.0 | 74 |
| 7.30 | 33.0 | 74 |
| 7.40 | 33.0 | 74 |
| 7.50 | 33.0 | 74 |
| 7.60 | 36.0 | 79 |
| 7.70 | 36.0 | 79 |
| 7.80 | 36.0 | 79 |
| 7.90 | 36.0 | 79 |
| 8.00 | 36.0 | 79 |
| 8.10 | 36.0 | 79 |
| 8.20 | 36.0 | 79 |
| 8.30 | 36.0 | 79 |
| 8.40 | 36.0 | 79 |
| 8.50 | 36.0 | 79 |
| 8.60 | 39.0 | 84 |
| 8.70 | 39.0 | 84 |
| 8.80 | 39.0 | 84 |
| 8.90 | 39.0 | 84 |
| 9.00 | 39.0 | 84 |
| 9.10 | 39.0 | 84 |
| 9.20 | 39.0 | 84 |
| 9.30 | 39.0 | 84 |
| 9.40 | 39.0 | 84 |
| 9.50 | 39.0 | 84 |

| d ₁ mm | l ₂ mm | l ₁ mm |
|----------------------|----------------------|----------------------|
| 9.60 | 41.0 | 89 |
| 9.70 | 41.0 | 89 |
| 9.80 | 41.0 | 89 |
| 9.90 | 41.0 | 89 |
| 10.00 | 41.0 | 89 |
| 10.20 | 41.0 | 89 |
| 10.50 | 41.0 | 89 |
| 11.00 | 45.0 | 95 |
| 11.50 | 45.0 | 95 |
| 12.00 | 49.0 | 102 |
| 12.50 | 49.0 | 102 |
| 13.00 | 49.0 | 102 |
| 13.50 | 52.0 | 107 |
| 14.00 | 52.0 | 107 |

Reibahlen mit verstärktem Schaft

Арт. 58000

Alésoir avec manche renforcé

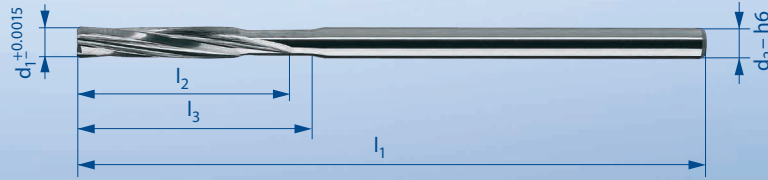
Alesatore con gambo rinforzato

Развертка с усиленным хвостовиком

сталь

СЧ, ВЧ, КЧ

Al



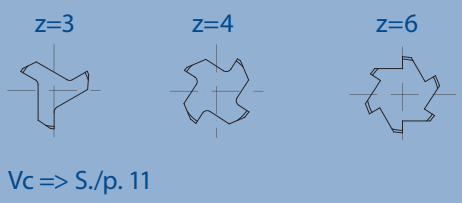
VHM
MD/SC

SPHINX
NORM



H7/F7/P7

Z
3-6



Vc => S./p. 11

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ | z |
|----------------|----------------|----------------|----------------|----------------|----|
| mm | mm | mm | mm | mm | mm |
| 0.99 | 8 | 16 | 48 | 3 | 3 |
| 1.00 | 8 | 16 | 48 | 3 | 3 |
| 1.01 | 8 | 16 | 48 | 3 | 3 |
| 1.99 | 11 | 22 | 54 | 3 | 4 |
| 2.00 | 11 | 22 | 54 | 3 | 4 |
| 2.01 | 11 | 22 | 54 | 3 | 4 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ | z |
|----------------|----------------|----------------|----------------|----------------|----|
| mm | mm | mm | mm | mm | mm |
| 2.99 | 15 | 30 | 60 | 3 | 4 |
| 3.00 | 15 | 30 | 60 | 3 | 4 |
| 3.01 | 15 | 30 | 60 | 3 | 4 |
| 3.99 | 19 | 38 | 76 | 6 | 6 |
| 4.00 | 19 | 38 | 76 | 6 | 6 |
| 4.01 | 19 | 38 | 76 | 6 | 6 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ | z |
|----------------|----------------|----------------|----------------|----------------|----|
| mm | mm | mm | mm | mm | mm |
| 4.99 | 23 | 46 | 84 | 6 | 6 |
| 5.00 | 23 | 46 | 84 | 6 | 6 |
| 5.01 | 23 | 46 | 84 | 6 | 6 |
| 5.99 | 26 | 52 | 90 | 6 | 6 |
| 6.00 | 26 | 52 | 90 | 6 | 6 |
| 6.01 | 26 | 52 | 90 | 6 | 6 |

Reibahlen mit verstärktem Schaft

Арт. 58500

Alésoir avec manche renforcé

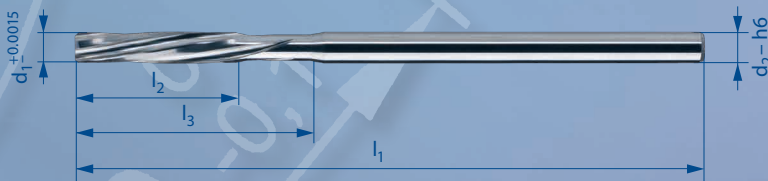
Alesatore con gambo rinforzato

Развертка с усиленным хвостовиком

сталь

СЧ, ВЧ, КЧ

Al



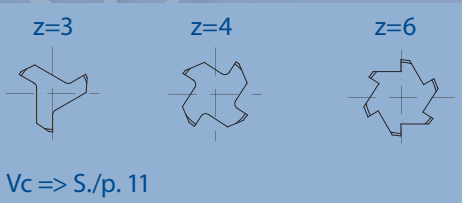
VHM
MD/SC

SPHINX
NORM



H7/F7/P7

Z
3-6



Vc => S./p. 11

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ | z |
|----------------|----------------|----------------|----------------|----------------|----|
| mm | mm | mm | mm | mm | mm |
| 0.99 | 8 | 16 | 48 | 3 | 3 |
| 1.00 | 8 | 16 | 48 | 3 | 3 |
| 1.01 | 8 | 16 | 48 | 3 | 3 |
| 1.99 | 11 | 22 | 54 | 3 | 4 |
| 2.00 | 11 | 22 | 54 | 3 | 4 |
| 2.01 | 11 | 22 | 54 | 3 | 4 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ | z |
|----------------|----------------|----------------|----------------|----------------|----|
| mm | mm | mm | mm | mm | mm |
| 2.99 | 15 | 30 | 60 | 3 | 4 |
| 3.00 | 15 | 30 | 60 | 3 | 4 |
| 3.01 | 15 | 30 | 60 | 3 | 4 |
| 3.99 | 19 | 38 | 76 | 6 | 6 |
| 4.00 | 19 | 38 | 76 | 6 | 6 |
| 4.01 | 19 | 38 | 76 | 6 | 6 |

| d ₁ | l ₂ | l ₃ | l ₁ | d ₂ | z |
|----------------|----------------|----------------|----------------|----------------|----|
| mm | mm | mm | mm | mm | mm |
| 4.99 | 23 | 46 | 84 | 6 | 6 |
| 5.00 | 23 | 46 | 84 | 6 | 6 |
| 5.01 | 23 | 46 | 84 | 6 | 6 |
| 5.99 | 26 | 52 | 90 | 6 | 6 |
| 6.00 | 26 | 52 | 90 | 6 | 6 |
| 6.01 | 26 | 52 | 90 | 6 | 6 |

Schnittdaten

Données de coupe

Parametri di lavoro

Режимы резания

Арт. 55652

| Material Matière Materiale Материал | Durchmesser mm Diamètre mm Diametro mm Диаметр, мм | v = м/мин | f = mm/U f = mm/t f = mm/g f = мм/об |
|--|---|-----------|---|
| сталь <1000 Н/мм ² | 0.20 – 0.45 | 10 – 25 | 0.005 – 0.007 |
| | 0.46 – 0.70 | 25 – 40 | 0.007 – 0.010 |
| | 0.71 – 0.99 | 40 – 60 | 0.010 – 0.015 |
| | 1.00 – 2.00 | 40 – 60 | 0.015 – 0.040 |
| | 2.01 – 3.00 | 40 – 60 | 0.035 – 0.050 |
| сталь >1000 Н/мм ² | 0.20 – 0.45 | 10 – 20 | 0.004 – 0.006 |
| | 0.46 – 0.70 | 20 – 30 | 0.006 – 0.010 |
| | 0.71 – 0.99 | 30 – 50 | 0.010 – 0.015 |
| | 1.00 – 2.00 | 30 – 50 | 0.015 – 0.040 |
| | 2.01 – 3.00 | 30 – 50 | 0.035 – 0.050 |
| нерж.сталь мартенситная | 0.20 – 0.45 | 8.0 – 15 | 0.003 – 0.005 |
| | 0.46 – 0.70 | 15 – 25 | 0.005 – 0.007 |
| | 0.71 – 0.99 | 25 – 40 | 0.007 – 0.010 |
| | 1.00 – 2.00 | 25 – 40 | 0.010 – 0.030 |
| | 2.01 – 3.00 | 25 – 40 | 0.025 – 0.045 |
| нерж.сталь аустенитная | 0.20 – 0.45 | 5.0 – 10 | 0.002 – 0.004 |
| | 0.46 – 0.70 | 10 – 20 | 0.004 – 0.006 |
| | 0.71 – 0.99 | 20 – 35 | 0.006 – 0.008 |
| | 1.00 – 2.00 | 20 – 35 | 0.008 – 0.025 |
| | 2.01 – 3.00 | 20 – 35 | 0.020 – 0.035 |
| СЧ, ВЧ | 0.20 – 0.45 | 20 – 45 | 0.004 – 0.007 |
| | 0.46 – 0.70 | 45 – 60 | 0.007 – 0.010 |
| | 0.71 – 0.99 | 60 – 100 | 0.010 – 0.020 |
| | 1.00 – 2.00 | 60 – 100 | 0.020 – 0.050 |
| | 2.01 – 3.00 | 60 – 100 | 0.040 – 0.065 |
| КЧ | 0.20 – 0.45 | 15 – 30 | 0.002 – 0.005 |
| | 0.46 – 0.70 | 30 – 40 | 0.005 – 0.008 |
| | 0.71 – 0.99 | 40 – 80 | 0.008 – 0.015 |
| | 1.00 – 2.00 | 40 – 80 | 0.015 – 0.040 |
| | 2.01 – 3.00 | 40 – 80 | 0.035 – 0.060 |
| Al >9% Si | 0.20 – 0.45 | 20 – 50 | 0.005 – 0.008 |
| | 0.46 – 0.70 | 50 – 80 | 0.008 – 0.013 |
| | 0.71 – 0.99 | 80 – 120 | 0.013 – 0.020 |
| | 1.00 – 2.00 | 80 – 120 | 0.020 – 0.060 |
| | 2.01 – 3.00 | 80 – 120 | 0.050 – 0.080 |
| Ti | 0.20 – 0.45 | 10 – 20 | 0.002 – 0.004 |
| | 0.46 – 0.70 | 20 – 30 | 0.004 – 0.007 |
| | 0.71 – 0.99 | 30 – 50 | 0.007 – 0.010 |
| | 1.00 – 2.00 | 30 – 50 | 0.010 – 0.030 |
| | 2.01 – 3.00 | 30 – 50 | 0.025 – 0.045 |

Арт. 55654/55338

| Material Matière Materiale Материал | Durchmesser mm Diamètre mm Diametro mm Диаметр, мм | v = м/мин | f = mm/U f = mm/t f = mm/g f = мм/об |
|--|---|-----------|---|
| сталь <1000 Н/мм ² | 1.0 – 2.0 | 40 – 60 | 0.015 – 0.040 |
| | 2.1 – 5.0 | 40 – 60 | 0.035 – 0.080 |
| | 5.1 – 8.0 | 40 – 60 | 0.070 – 0.170 |
| | 8.1 – 11.0 | 40 – 60 | 0.150 – 0.230 |
| | 11.1 – 14.0 | 40 – 60 | 0.200 – 0.300 |
| сталь >1000 Н/мм ² | 1.0 – 2.0 | 30 – 50 | 0.015 – 0.040 |
| | 2.1 – 5.0 | 30 – 50 | 0.035 – 0.080 |
| | 5.1 – 8.0 | 30 – 50 | 0.070 – 0.170 |
| | 8.1 – 11.0 | 30 – 50 | 0.150 – 0.230 |
| | 11.1 – 14.0 | 30 – 50 | 0.200 – 0.300 |
| нерж.сталь мартенситная | 1.0 – 2.0 | 25 – 40 | 0.010 – 0.030 |
| | 2.1 – 5.0 | 25 – 40 | 0.025 – 0.070 |
| | 5.1 – 8.0 | 25 – 40 | 0.060 – 0.130 |
| | 8.1 – 11.0 | 25 – 40 | 0.110 – 0.180 |
| | 11.1 – 14.0 | 25 – 40 | 0.150 – 0.230 |
| нерж.сталь аустенитная | 1.0 – 2.0 | 20 – 35 | 0.008 – 0.025 |
| | 2.1 – 5.0 | 20 – 35 | 0.020 – 0.060 |
| | 5.1 – 8.0 | 20 – 35 | 0.050 – 0.110 |
| | 8.1 – 11.0 | 20 – 35 | 0.100 – 0.160 |
| | 11.1 – 14.0 | 20 – 35 | 0.140 – 0.200 |
| СЧ, ВЧ | 1.0 – 2.0 | 60 – 100 | 0.020 – 0.050 |
| | 2.1 – 5.0 | 60 – 100 | 0.040 – 0.090 |
| | 5.1 – 8.0 | 60 – 100 | 0.080 – 0.180 |
| | 8.1 – 11.0 | 60 – 100 | 0.160 – 0.280 |
| | 11.1 – 14.0 | 60 – 100 | 0.250 – 0.350 |
| КЧ | 1.0 – 2.0 | 40 – 80 | 0.015 – 0.040 |
| | 2.1 – 5.0 | 40 – 80 | 0.035 – 0.080 |
| | 5.1 – 8.0 | 40 – 80 | 0.070 – 0.170 |
| | 8.1 – 11.0 | 40 – 80 | 0.150 – 0.230 |
| | 11.1 – 14.0 | 40 – 80 | 0.200 – 0.300 |
| Al >9% Si | 1.0 – 2.0 | 80 – 120 | 0.020 – 0.060 |
| | 2.1 – 5.0 | 80 – 120 | 0.050 – 0.120 |
| | 5.1 – 8.0 | 80 – 120 | 0.100 – 0.230 |
| | 8.1 – 11.0 | 80 – 120 | 0.210 – 0.340 |
| | 11.1 – 14.0 | 80 – 120 | 0.330 – 0.450 |
| Ti | 1.0 – 2.0 | 30 – 50 | 0.010 – 0.030 |
| | 2.1 – 5.0 | 30 – 50 | 0.025 – 0.070 |
| | 5.1 – 8.0 | 30 – 50 | 0.060 – 0.130 |
| | 8.1 – 11.0 | 30 – 50 | 0.100 – 0.160 |
| | 11.1 – 14.0 | 30 – 50 | 0.150 – 0.200 |

Genannte Werte sind Richtwerte, die je nach Maschine, Aufspannung, Kühlschmierstoff usw. noch angepasst werden müssen.
 Lesvaleursmentionnéessontdesvaleursrecommandéesquidoiventêreadaptéesselonlesconditionsdelamachine,duserage,dulubrifiantetc.
 Questivalorisonovaloriraccomandatichedevonoessereadattatisecondolecondizioni dellamacchina,delserraggio,dellubrificanteetc.
 Указанные режимы резания носят рекомендательный характер и подлежат последующей корректировке на станке.

Schnittdaten

Données de coupe

Parametri di lavoro

Режимы резания

Арт. 50840

| Material Matière Materiale Материал | Durchmesser mm Diamètre mm Diametro mm Диаметр, мм | v = м/мин | f = mm/U f = mm/t f = mm/g f = мм/об |
|--|---|-----------|---|
| сталь <1000Н/мм ² | 2.0 – 5.0 | 30 – 60 | 0.020 – 0.050 |
| | 5.1 – 8.0 | 30 – 60 | 0.040 – 0.090 |
| | 8.1 – 11.0 | 30 – 60 | 0.070 – 0.150 |
| | 11.1 – 14.0 | 30 – 60 | 0.130 – 0.200 |
| сталь >1000Н/мм ² | 2.0 – 5.0 | 30 – 50 | 0.020 – 0.050 |
| | 5.1 – 8.0 | 30 – 50 | 0.040 – 0.080 |
| | 8.1 – 11.0 | 30 – 50 | 0.070 – 0.140 |
| | 11.1 – 14.0 | 30 – 50 | 0.120 – 0.180 |
| нерж.сталь мартенситная | 2.0 – 5.0 | 25 – 45 | 0.015 – 0.040 |
| | 5.1 – 8.0 | 25 – 45 | 0.030 – 0.070 |
| | 8.1 – 11.0 | 25 – 45 | 0.060 – 0.120 |
| | 11.1 – 14.0 | 25 – 45 | 0.100 – 0.180 |
| нерж.сталь аустенитная | 2.0 – 5.0 | 20 – 40 | 0.015 – 0.040 |
| | 5.1 – 8.0 | 20 – 40 | 0.030 – 0.070 |
| | 8.1 – 11.0 | 20 – 40 | 0.060 – 0.120 |
| | 11.1 – 14.0 | 20 – 40 | 0.100 – 0.180 |
| Al <9% Si | 2.0 – 5.0 | 60 – 100 | 0.030 – 0.100 |
| | 5.1 – 8.0 | 60 – 100 | 0.080 – 0.180 |
| | 8.1 – 11.0 | 60 – 100 | 0.160 – 0.280 |
| | 11.1 – 14.0 | 60 – 100 | 0.260 – 0.350 |
| Al >9% Si | 2.0 – 5.0 | 60 – 100 | 0.030 – 0.100 |
| | 5.1 – 8.0 | 60 – 100 | 0.080 – 0.180 |
| | 8.1 – 11.0 | 60 – 100 | 0.160 – 0.280 |
| | 11.1 – 14.0 | 60 – 100 | 0.260 – 0.350 |
| Mg | 2.0 – 5.0 | 50 – 90 | 0.030 – 0.130 |
| | 5.1 – 8.0 | 50 – 90 | 0.100 – 0.200 |
| | 8.1 – 11.0 | 50 – 90 | 0.180 – 0.280 |
| | 11.1 – 14.0 | 50 – 90 | 0.260 – 0.350 |

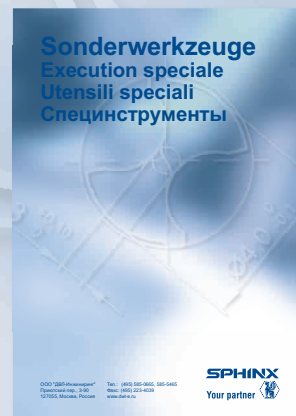
Арт. 58000/58500

| Material Matière Materiale Материал | Durchmesser mm Diamètre mm Diametro mm Диаметр, мм | v = м/мин | f = mm/U f = mm/t f = mm/g f = мм/об |
|--|---|-----------|---|
| сталь <1000Н/мм ² | 1.0 – 2.0 | 20 – 25 | 0.050 – 0.100 |
| | 2.0 – 3.0 | 20 – 25 | 0.080 – 0.150 |
| | 3.0 – 4.0 | 20 – 25 | 0.140 – 0.220 |
| | 4.0 – 6.0 | 20 – 25 | 0.200 – 0.280 |
| сталь >1000Н/мм ² | 1.0 – 2.0 | 15 – 20 | 0.040 – 0.080 |
| | 2.0 – 3.0 | 15 – 20 | 0.070 – 0.130 |
| | 3.0 – 4.0 | 15 – 20 | 0.120 – 0.190 |
| | 4.0 – 6.0 | 15 – 20 | 0.180 – 0.240 |
| нерж.сталь мартенситная | 1.0 – 2.0 | 10 – 15 | 0.040 – 0.080 |
| | 2.0 – 3.0 | 10 – 15 | 0.070 – 0.130 |
| | 3.0 – 4.0 | 10 – 15 | 0.120 – 0.190 |
| | 4.0 – 6.0 | 10 – 15 | 0.180 – 0.240 |
| нерж.сталь аустенитная | 1.0 – 2.0 | 10 – 15 | 0.040 – 0.070 |
| | 2.0 – 3.0 | 10 – 15 | 0.060 – 0.110 |
| | 3.0 – 4.0 | 10 – 15 | 0.100 – 0.160 |
| | 4.0 – 6.0 | 10 – 15 | 0.150 – 0.220 |
| СЧ, ВЧ | 1.0 – 2.0 | 20 – 25 | 0.050 – 0.100 |
| | 2.0 – 3.0 | 20 – 25 | 0.080 – 0.150 |
| | 3.0 – 4.0 | 20 – 25 | 0.140 – 0.220 |
| | 4.0 – 6.0 | 20 – 25 | 0.200 – 0.280 |
| КЧ | 1.0 – 2.0 | 15 – 20 | 0.050 – 0.100 |
| | 2.0 – 3.0 | 15 – 20 | 0.080 – 0.150 |
| | 3.0 – 4.0 | 15 – 20 | 0.140 – 0.220 |
| | 4.0 – 6.0 | 15 – 20 | 0.200 – 0.280 |
| Al >9% Si | 1.0 – 2.0 | 30 – 35 | 0.060 – 0.120 |
| | 2.0 – 3.0 | 30 – 35 | 0.110 – 0.160 |
| | 3.0 – 4.0 | 30 – 35 | 0.150 – 0.220 |
| | 4.0 – 6.0 | 30 – 35 | 0.200 – 0.300 |
| Ti | 1.0 – 2.0 | 10 – 15 | 0.030 – 0.060 |
| | 2.0 – 3.0 | 10 – 15 | 0.050 – 0.100 |
| | 3.0 – 4.0 | 10 – 15 | 0.090 – 0.140 |
| | 4.0 – 6.0 | 10 – 15 | 0.130 – 0.180 |

Genannte Werte sind Richtwerte, die je nach Maschine, Aufspannung, Kühlschmierstoff usw. noch angepasst werden müssen.
 Les valeurs mentionnées sont des valeurs recommandées qui doivent être adaptées selon les conditions de la machine, du serrage, du lubrifiant etc.
 Questi valori sono valori raccomandati che devono essere adattati secondo le condizioni della macchina, del serraggio, del lubrificante etc.
 Указанные режимы резания носят рекомендательный характер и подлежат последующей корректировке на станке.

Produkteübersicht

Gamme d'outils
Programma di fabbricazione
Обзор каталогов



Die Fertigungssttten in Derendingen und Porrentruy, eine Referenz fr «Made in Switzerland».
Les ateliers de fabrication  Derendingen et Porrentruy, une rfrence de «Made in Switzerland».
Gli stabilimenti di produzione a Derendingen e Porrentruy, una referenza di «Made in Switzerland».
Производство в городе Derendingen и Porrentruy, «Made in Switzerland».