

HSS, HSS-E and carbide countersinks

| Tool illustration | | | | Tool material | Gühring no. |
|-------------------|------|---------|-------------------|----------------|-------------|
| Standard | Form | Surface | Cutting direction | Diameter range | |

120° countersinks

| | | | | | |
|---------|---|--|----|------------------|-----|
| | | | | HSS | 479 |
| DIN 347 | B | | rh | 20.000 - 100.000 | |

Counterbores with fixed pilots for fine tolerances

| | | | | | |
|--------------|--|--|----|-----------------|-----|
| | | | | HSS | 482 |
| DIN 373 | | | rh | 2.200 - 20.000 | |
| | | | | HSS | 324 |
| DIN 373 | | | rh | 6.000 - 20.000 | |
| | | | | HSS | 485 |
| Gühring std. | | | rh | 18.000 - 40.000 | |

Counterbores with fixed pilots for medial tolerances

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|--------------|--|--|----|-----------------|-----|
| | | | | HSS | 483 |
| DIN 373 | | | rh | 6.000 - 20.000 | |
| | | | | HSS | 325 |
| DIN 373 | | | rh | 6.000 - 18.000 | |
| | | | | HSS | 486 |
| Gühring std. | | | rh | 18.000 - 40.000 | |

Counterbores with fixed pilots for tapping size holes

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|--------------|--|--|----|-----------------|-----|
| | | | | HSS | 484 |
| DIN 373 | | | rh | 6.000 - 20.000 | |
| | | | | HSS | 326 |
| DIN 373 | | | rh | 6.000 - 18.000 | |
| | | | | HSS | 487 |
| Gühring std. | | | rh | 18.000 - 33.000 | |

| Tool illustration | | | | Tool material | Gühring no. |
|-------------------|------|---------|-------------------|----------------|-------------|
| Standard | Form | Surface | Cutting direction | Diameter range | |

Counterbores with hole for detachable pilot

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|---------|--|--|----|-----------------|-----|
| | | | | HSS | 463 |
| DIN 375 | | | rh | 15.000 - 63.000 | |

Spot facers

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|----------|--|--|----|-----------------|-----|
| | | | | HSS-E | 432 |
| DIN 1862 | | | rh | 3.500 - 13.000 | |
| | | | | HSS-E | 433 |
| DIN 1862 | | | rh | 6.000 - 30.000 | |
| | | | | HSS-E | 434 |
| DIN 1862 | | | rh | 10.000 - 30.000 | |
| | | | | HSS-E | 435 |
| DIN 1862 | | | rh | 20.000 - 48.000 | |

Back spotfacers

| | | | | | |
|--------------|--|--|----|------------------|------|
| | | | | Carbide | 1640 |
| Gühring std. | | | rh | 44.000 - 115.000 | |
| | | | | HSS | 1638 |
| Gühring std. | | | rh | 11.000 - 115.000 | |

De-burring forks

| | | | | | |
|--------------|--|--|----|---------------|------|
| | | | | Solid carbide | 4101 |
| Gühring std. | | | rh | 2.000 - 8.000 | |
| | | | | Solid carbide | 4100 |
| Gühring std. | | | rh | 2.000 - 8.000 | |

bright
 steam tempered
 nitrided lands
 nitrided
 golden brown
 TiAlN
 AlTiN
 TiCN
 FIRE
 AlCrN
 TiN
 MolyGlide