

STUFENBOHRER | STEP DRILLS

HSS

HSS-E

BLANK

TIN

TIALN

Gerade Nute | 3-Flächenschaft | CBN-Geschliffen | Optimierte Schneidengeometrie | Straight flute | 3-flats shaft | CBN grinded | Optimised Cutting Geometry

ZIRA

PRÄZISIONS GEWINDE WERKZEUGE
SEIT 1957



| SIZE | ● | HSS BLANK | EUR | HSS TIN | EUR | HSS TIALN | EUR |
|-------|-----------|-----------|-----|---------|-----|-----------|-----|
| Gr. 1 | 4 - 12 | 500500 | | 500515 | | 500520 | |
| Gr. 2 | 4 - 20 | 500501 | | 500516 | | 500521 | |
| Gr. 3 | 6 - 30 | 500502 | | 500517 | | 500522 | |
| | 9 - 36 | 500503 | | 500518 | | 500523 | |
| Gr. 4 | 12,5 - 37 | 500504 | | | | | |
| | 12 - 20 | 500505 | | | | | |
| | 20 - 30 | 500506 | | | | | |
| Gr. 5 | 30 - 40 | 500507 | | | | | |
| Gr. 6 | 40 - 50 | 500508 | | | | | |
| Gr. 7 | 50 - 60 | 500509 | | | | | |

ANWENDUNG | APPLICATION

Für gratfreies Bohren und Aufreiben von Blechen, Rohren und Profilen und einseitiges Entgraten in einem Arbeitsgang | For drilling and reaming freely of burs of sheet steel, thin-walled tubes and structural steel shapes and deburring of one side in one step.

| SIZE | ● | HSS BLANK | EUR | HSS TIN | EUR | HSS TIALN | EUR |
|-------|--------|-----------|-----|---------|-----|-----------|-----|
| Gr. 1 | 4 - 12 | 500550 | | 500555 | | 500560 | |
| Gr. 2 | 4 - 20 | 500551 | | 500556 | | 500561 | |
| Gr. 3 | 6 - 30 | 500552 | | 500557 | | 500562 | |

STUFENBOHRER SATZ | STEP DRILL SET

HSS

HSS-E

BLANK

TIN

TIALN

Gerade genutet | Rosebox | Straight flute | Plastic box



Abb. 500510 / 500553

| SIZE | HSS BLANK | EUR | HSS TIN | EUR | HSS TIALN | EUR |
|-----------------------------|-----------|-----|---------|-----|-----------|-----|
| 4 - 12 / 4 - 20 / 6 - 30 mm | 500510 | | 500519 | | 500524 | |

| SIZE | HSS-E BLANK | EUR | HSS-E TIN | EUR | HSS-E TIALN | EUR |
|-----------------------------|-------------|-----|-----------|-----|-------------|-----|
| 4 - 12 / 4 - 20 / 6 - 30 mm | 500553 | | 500558 | | 500563 | |

BOHRSTUFEN GERADER NUTE | DRILLING STEPS STRAIGHT FLUTE

| | | |
|---------|--------------------------|--|
| 4 - 12 | Bohrstufen 1 mm steigend | 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 |
| 4 - 20 | Bohrstufen 2 mm steigend | 4 - 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 |
| 6 - 30 | | 6 - 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30 |
| 9 - 36 | Bohrstufen 3 mm steigend | 9 - 12 - 15 - 18 - 21 - 24 - 27 - 30 - 33 - 36 |
| 12 - 20 | Bohrstufen 1 mm steigend | 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 |
| 20 - 30 | | 20 - 21 - 22 - 23 - 24 - 25 - 26 - 27 - 28 - 29 - 30 |
| 30 - 40 | | 30 - 31 - 32 - 33 - 34 - 35 - 36 - 37 - 38 - 39 - 40 |
| 40 - 50 | | 40 - 41 - 42 - 43 - 44 - 45 - 46 - 47 - 48 - 49 - 50 |
| 50 - 60 | | 50 - 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 - 59 - 60 |