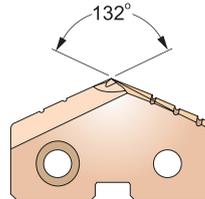


SM-POINT SPADE DRILL INSERTS - SUPER HSS T15
SM-POINT EINWEG BOHREINSATZ - SUPER HSS T15

- ▶ For use in high nickel alloys and materials over 280 Brinell.
- ▶ Improved stability and hole straightness by newly developed thinning design.
- ▶ Less thrust force and excellent self-centering.
- ▶ Any non-standard size available.

- ▶ Zur Anwendung bei legierten Stählen mit hohem Nickelanteil und Werkstoffen über 280 Brinell
- ▶ Erhöhte Stabilität und Fluchtgenauigkeit durch neu entwickelte Querschnittsgeometrie
- ▶ Verminderte Bohrkraft und ausgezeichnete Selbstzentrierung
- ▶ Jede Abmessung außerhalb des Kataloges lieferbar



cutting conditions : p.283

| Series Min. to Max. (mm/inch) | Diameter | | | Thick Metric (mm/inch) | EDP No. | | | | |
|--|--|----------------|-------------------|------------------------------|-----------------|----------------|----------|----------|----------|
| | Inch (inch) | Metric (mm) | Decimal (inch) | | SUPER HSS (T15) | | | | |
| | | | | | TiN | TiCN | TiAlN | | |
| 0 12.98(.511") to 17.65(.695") | 41/64" | 16.27 | .6406" | 3.2 (1/8") | SM105041 | SM110041 | SM115041 | | |
| | | 16.50 | .6496" | | SM155165 | SM160165 | SM165165 | | |
| | 21/32" | 16.67 | .6562" | | SM105042 | SM110042 | SM115042 | | |
| | | 17.00 | .6693" | | SM155170 | SM160170 | SM165170 | | |
| | 43/64" | 17.07 | .6719" | | SM105043 | SM110043 | SM115043 | | |
| | | 11/16" | 17.46 | | .6875" | SM105044 | SM110044 | SM115044 | |
| | | | 17.50 | | .6890" | SM155175 | SM160175 | SM165175 | |
| | 1 17.53 (.690") to 24.38 (.960") | 45/64" | 17.86 | | .7031" | 4.0 (5/32") | SM105045 | SM110045 | SM115045 |
| | | | 18.00 | | .7087" | | SM155180 | SM160180 | SM165180 |
| | | 23/32" | 18.26 | | .7188" | | SM105046 | SM110046 | SM115046 |
| 18.50 | | | .7283" | SM155185 | SM160185 | | SM165185 | | |
| 47/64" | | 18.65 | .7344" | SM105047 | SM110047 | | SM115047 | | |
| | | 19.00 | .7480" | SM155190 | SM160190 | | SM165190 | | |
| 3/4" | | 19.05 | .7500" | SM105048 | SM110048 | | SM115048 | | |
| | | 49/64" | 19.45 | .7656" | SM105049 | | SM110049 | SM115049 | |
| | | | 19.50 | .7677" | SM155195 | | SM160195 | SM165195 | |
| 25/32" | | 19.84 | .7812" | SM105050 | SM110050 | | SM115050 | | |
| | | 20.00 | .7874" | SM155200 | SM160200 | | SM165200 | | |
| 51/64" | | 20.24 | .7969" | SM105051 | SM110051 | | SM115051 | | |
| | | 20.50 | .8071" | SM155205 | SM160205 | | SM165205 | | |
| 13/16" | | 20.64 | .8125" | SM105052 | SM110052 | | SM115052 | | |
| | | 21.00 | .8268" | SM155210 | SM160210 | | SM165210 | | |
| 27/32" | | 21.43 | .8438" | SM105054 | SM110054 | | SM115054 | | |
| | | 55/64" | 21.83 | .8594" | SM105055 | | SM110055 | SM115055 | |
| | | | 22.00 | .8661" | SM155220 | | SM160220 | SM165220 | |
| 7/8" | | 22.23 | .8750" | SM105056 | SM110056 | | SM115056 | | |
| | | 57/64" | 22.62 | .8906" | SM105057 | | SM110057 | SM115057 | |
| | 23.00 | | .9055" | SM155230 | SM160230 | SM165230 | | | |
| 29/32" | 23.02 | .9062" | SM105058 | SM110058 | SM115058 | | | | |
| | 59/64" | 23.42 | .9219" | SM105059 | SM110059 | SM115059 | | | |
| 15/16" | | 23.81 | .9375" | SM105060 | SM110060 | SM115060 | | | |
| | | 24.00 | .9449" | SM155240 | SM160240 | SM165240 | | | |

◎ : Excellent ○ : Good

| Non-alloyed Steels, Free Machining Steels | Carbon Steels | | Alloy Steels | | High Alloyed steels | | Structural Steels | | Tool Steels | | Stainless Steels | Cast Iron | | Aluminum | Copper Alloys | |
|---|-----------------|-----------------|------------------|-----------------|---------------------|-----------------|-------------------|-----------------|------------------|-----------------|------------------|-----------------|-----------------|------------------|----------------|--------|
| | -HRc24 (-HB250) | -HRc28 (-HB275) | HRc28~ (-HB275~) | -HRc28 (-HB275) | HRc28~ (-HB275~) | -HRc37 (-HB350) | HRc37~ (-HB350~) | -HRc24 (-HB250) | HRc24~ (-HB250~) | -HRc13 (-HB200) | HRc13~ (-HB200~) | -HRc28 (-HB275) | -HRc19 (-HB220) | HRc19~ (-HB220~) | -HRc8 (-HB180) | -HB110 |
| | ◎ | ◎ | ◎ | ◎ | ○ | ○ | ○ | ○ | ◎ | ◎ | ○ | ○ | ○ | ◎ | ○ | ○ |