

DRILLING (INDEXABLE TYPE)

CARBIDE

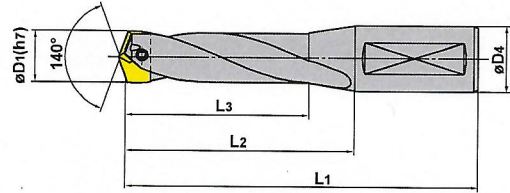
TAW

- Wavy cutting edge design for good chip control.
- Serration geometry for accurate insert location.
- Easy insert exchange.

| Carbon Steel Alloy Steel | Hardened Steel | Stainless Steel | Cast Iron | Light Alloy | Heat Resistant Alloy |
|-----------------------------|-------------------|--------------------|-----------|-------------|-------------------------|
| ◎ | | ○ | ◎ | | |

| | 14 ≤ D1 ≤ 18 | 18 < D1 ≤ 30 | 30 < D1 ≤ 40 |
|-------------------|--------------|--------------|--------------|
| D1 Tolerance (mm) | 0 -0.018 | 0 -0.021 | 0 -0.025 |

(General Use)







HOLDERS

| Drill Dia. Range D1 (mm) | Hole Depth (l/d) | Holder | | Insert | | | Dimensions (mm) | | | | Clamp Screw | Wrench | Plate | Anti-seize Lubricant | |
|--------------------------------|---------------------|---------------|----------------|--------------------|--------------|--------|-----------------|-----|-----|-----|-----------------|------------|-----------|--------------------------|-------|
| | | Order Number | Stock | Drill Dia. D1 (mm) | Order Number | Stock | | | L3 | L2 | | | | | L1 |
| | | | | | VP15TF | DP6010 | VP10H | | | | | | | | |
| 14.0 14.4 | 3 | TAWSNH1400S16 | ● | 14.0 TAWN1400T | ● | | | 51 | 67 | 115 | 16 | WS254012T | TKY08D | WPT4405 | MK1KS |
| | | | | 14.1 TAWN1410T | ● | | | | | | | | | | |
| | 5 | TAWMNH1400S16 | ● | 14.2 TAWN1420T | ● | | | 80 | 97 | 145 | 16 | WS254012T | TKY08D | WPT4405 | MK1KS |
| | | | | 14.3 TAWN1430T | ● | | | | | | | | | | |
| | 8 | TAWLNH1400S16 | ● | 14.4 TAWN1440T | ● | | | 122 | 137 | 185 | 16 | WS254012T | TKY08D | WPT4405 | MK1KS |
| | | | | 14.5 TAWN1450T | ● | | | | | | | | | | |
| 14.5 15.4 | 3 | TAWSNH1500S20 | ● | 14.6 TAWN1460T | ● | | | 54 | 75 | 125 | 20 | WS254013T | TKY08D | WPT4405 | MK1KS |
| | | | | 14.7 TAWN1470T | ● | | | | | | | | | | |
| | | | | 14.8 TAWN1480T | ● | | | | | | | | | | |
| | 5 | TAWMNH1500S20 | ● | 14.9 TAWN1490T | ● | | | 85 | 105 | 155 | 20 | WS254013T | TKY08D | WPT4405 | MK1KS |
| | | | | 15.0 TAWN1500T | ● | | | | | | | | | | |
| | | | | 15.1 TAWN1510T | ● | | | | | | | | | | |
| | | | | 15.2 TAWN1520T | ● | | | | | | | | | | |
| | 8 | TAWLNH1500S20 | ● | 15.3 TAWN1530T | ● | | | 130 | 148 | 198 | 20 | WS254013T | TKY08D | WPT4405 | MK1KS |
| | | | 15.4 TAWN1540T | ● | | | | | | | | | | | |
| 15.5 16.4 | 3 | TAWSN1600S20 | ● | 15.5 TAWN1550T | ● | | | 58 | 80 | 130 | 20 | WS254014T | TKY08D | WPT4405 | MK1KS |
| | | | | 15.6 TAWN1560T | ● | | | | | | | | | | |
| | | | | 15.7 TAWN1570T | ● | | | | | | | | | | |
| | | | | 15.8 TAWN1580T | ● | | | | | | | | | | |
| | 5 | TAWMN1600S20 | ● | 15.9 TAWN1590T | ● | | | 91 | 115 | 165 | 20 | WS254014T | TKY08D | WPT4405 | MK1KS |
| | | | | 16.0 TAWN1600T | ● | | | | | | | | | | |
| | | | | 16.1 TAWN1610T | ● | | | | | | | | | | |
| | 8 | TAWLN1600S20 | ● | 16.2 TAWN1620T | ● | | | 138 | 158 | 208 | 20 | WS254014T | TKY08D | WPT4405 | MK1KS |
| | | | 16.3 TAWN1630T | ● | | | | | | | | | | | |
| | | | 16.4 TAWN1640T | ● | | | | | | | | | | | |
| 16.5 17.4 | 3 | TAWSN1700S20 | ● | 16.5 TAWN1650T | ● | | | 61 | 85 | 135 | 20 | WS254015T | TKY08D | WPT4405 | MK1KS |
| | | | | 16.6 TAWN1660T | ● | | | | | | | | | | |
| | | | | 16.7 TAWN1670T | ● | | | | | | | | | | |
| | | | | 16.8 TAWN1680T | ● | | | | | | | | | | |
| | 5 | TAWMN1700S20 | ● | 16.9 TAWN1690T | ● | | | 96 | 120 | 170 | 20 | WS254015T | TKY08D | WPT4405 | MK1KS |
| | | | | 17.0 TAWN1700T | ● | | | | | | | | | | |
| | | | | 17.1 TAWN1710T | ● | | | | | | | | | | |
| | 8 | TAWLN1700S20 | ● | 17.2 TAWN1720T | ● | | | 146 | 166 | 216 | 20 | WS254015T | TKY08D | WPT4405 | MK1KS |
| | | | 17.3 TAWN1730T | ● | | | | | | | | | | | |
| | | | 17.4 TAWN1740T | ● | | | | | | | | | | | |
| 17.5 18.4 | 3 | TAWSN1800S20 | ● | 17.5 TAWN1750T | ● | | | 65 | 90 | 140 | 20 | WS254016T | TKY08D | WPT4405 | MK1KS |
| | | | | 17.6 TAWN1760T | ● | | | | | | | | | | |
| | | | | 17.7 TAWN1770T | ● | | | | | | | | | | |
| | | | | 17.8 TAWN1780T | ● | | | | | | | | | | |
| | 5 | TAWMN1800S20 | ● | 17.9 TAWN1790T | ● | | | 102 | 125 | 175 | 20 | WS254016T | TKY08D | WPT4405 | MK1KS |
| | | | | 18.0 TAWN1800T | ● | | | | | | | | | | |
| | | | | 18.1 TAWN1810T | ● | | | | | | | | | | |
| | 8 | TAWLN1800S20 | ● | 18.2 TAWN1820T | ● | | | 154 | 174 | 224 | 20 | WS254016T | TKY08D | WPT4405 | MK1KS |
| | | | 18.3 TAWN1830T | ● | | | | | | | | | | | |
| | | | 18.4 TAWN1840T | ● | | | | | | | | | | | |

(Note) Please contact us for any geometry that is not in this catalogue (e.g. different diameter and length).

● : Inventory maintained. □ : Non stock, produced to order only.

| Drill Dia. Range D1 (mm) | Hole Depth (l/d) | Holder | | Insert | | | Dimensions (mm) | | | |  Clamp Screw |  Wrench |  Plate |  Anti-seize Lubricant | | |
|--------------------------------|---------------------|--------------|-------|--------------------|--------------|--------|-----------------|-------|-----|-----|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------|-------|
| | | Order Number | Stock | Drill Dia. D1 (mm) | Order Number | Stock | | | L3 | L2 | | | | | L1 | D4 |
| | | | | | | VP15TF | DP5010 | VP10H | | | | | | | | |
| 18.5 19.4 | 3 | TAWSN1900S25 | ● | 18.5 | TAWNH1850T | ● | | □ | 68 | 99 | 155 | 25 | WS304517T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH1850TG | | ● | | | | | | | | | |
| | | | | 18.6 | TAWNH1860T | ● | | □ | | | | | | | | |
| | | | | | TAWKH1860TG | | ● | | | | | | | | | |
| | | | | 18.7 | TAWNH1870T | ● | | □ | | | | | | | | |
| | | | | | TAWKH1870TG | | ● | | | | | | | | | |
| | 5 | TAWMN1900S25 | ● | 18.8 | TAWNH1880T | ● | | □ | 107 | 134 | 190 | 25 | WS304517T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH1880TG | | ● | | | | | | | | | |
| | | | | 18.9 | TAWNH1890T | ● | | □ | | | | | | | | |
| | | | | | TAWKH1890TG | | ● | | | | | | | | | |
| | | | | 19.0 | TAWNH1900T | ● | | □ | | | | | | | | |
| | | | | | TAWKH1900TG | | ● | | | | | | | | | |
| | 8 | TAWLN1900S25 | ● | 19.1 | TAWNH1910T | ● | | □ | 162 | 185 | 241 | 25 | WS304517T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH1910TG | | ● | | | | | | | | | |
| | | | | 19.2 | TAWNH1920T | ● | | □ | | | | | | | | |
| | | | | TAWKH1920TG | | ● | | | | | | | | | | |
| 19.3 | | | | TAWNH1930T | ● | | □ | | | | | | | | | |
| | | | | TAWKH1930TG | | ● | | | | | | | | | | |
| | 19.4 | TAWNH1940T | ● | | □ | | | | | | | | | | | |
| | | TAWKH1940TG | | ● | | | | | | | | | | | | |
| 19.5 20.4 | 3 | TAWSN2000S25 | ● | 19.5 | TAWNH1950T | ● | | □ | 72 | 99 | 155 | 25 | WS304518T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH1950TG | | ● | | | | | | | | | |
| | | | | 19.6 | TAWNH1960T | ● | | □ | | | | | | | | |
| | | | | | TAWKH1960TG | | ● | | | | | | | | | |
| | | | | 19.7 | TAWNH1970T | ● | | □ | | | | | | | | |
| | | | | | TAWKH1970TG | | ● | | | | | | | | | |
| | 5 | TAWMN2000S25 | ● | 19.8 | TAWNH1980T | ● | | □ | 113 | 139 | 195 | 25 | WS304518T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH1980TG | | ● | | | | | | | | | |
| | | | | 19.9 | TAWNH1990T | ● | | □ | | | | | | | | |
| | | | | | TAWKH1990TG | | ● | | | | | | | | | |
| | | | | 20.0 | TAWNH2000T | ● | | □ | | | | | | | | |
| | | | | | TAWKH2000TG | | ● | | | | | | | | | |
| | 8 | TAWLN2000S25 | ● | 20.1 | TAWNH2010T | □ | | □ | 170 | 193 | 249 | 25 | WS304518T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH2010TG | | □ | | | | | | | | | |
| | | | | 20.2 | TAWNH2020T | □ | | □ | | | | | | | | |
| | | | | TAWKH2020TG | | □ | | | | | | | | | | |
| 20.3 | | | | TAWNH2030T | □ | | □ | | | | | | | | | |
| | | | | TAWKH2030TG | | □ | | | | | | | | | | |
| | 20.4 | TAWNH2040T | □ | | □ | | | | | | | | | | | |
| | | TAWKH2040TG | | □ | | | | | | | | | | | | |
| 20.5 21.4 | 3 | TAWSN2100S25 | ● | 20.5 | TAWNH2050T | ● | | □ | 75 | 99 | 155 | 25 | WS304518T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH2050TG | | ● | | | | | | | | | |
| | | | | 20.6 | TAWNH2060T | □ | | □ | | | | | | | | |
| | | | | | TAWKH2060TG | | □ | | | | | | | | | |
| | | | | 20.7 | TAWNH2070T | □ | | □ | | | | | | | | |
| | | | | | TAWKH2070TG | | □ | | | | | | | | | |
| | 5 | TAWMN2100S25 | ● | 20.8 | TAWNH2080T | □ | | □ | 118 | 139 | 195 | 25 | WS304518T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH2080TG | | □ | | | | | | | | | |
| | | | | 20.9 | TAWNH2090T | □ | | □ | | | | | | | | |
| | | | | | TAWKH2090TG | | □ | | | | | | | | | |
| | | | | 21.0 | TAWNH2100T | ● | | □ | | | | | | | | |
| | | | | | TAWKH2100TG | | ● | | | | | | | | | |
| | 8 | TAWLN2100S25 | ● | 21.1 | TAWNH2110T | □ | | □ | 178 | 202 | 258 | 25 | WS304518T | TKY10T | WPT4405 | MK1KS |
| | | | | | TAWKH2110TG | | □ | | | | | | | | | |
| | | | | 21.2 | TAWNH2120T | □ | | □ | | | | | | | | |
| | | | | TAWKH2120TG | | □ | | | | | | | | | | |
| 21.3 | | | | TAWNH2130T | □ | | □ | | | | | | | | | |
| | | | | TAWKH2130TG | | □ | | | | | | | | | | |
| | 21.4 | TAWNH2140T | □ | | □ | | | | | | | | | | | |
| | | TAWKH2140TG | | □ | | | | | | | | | | | | |

INSERT DESCRIPTION > L122
 CUTTING CONDITIONS > L124
 USAGE NOTE > L125
 TECHNICAL DATA > N001