| | | | Catalog N | 0. | | | | | | | | | P·K | P·W | В | Tapped |
|--------|----------|-----------------|-------------------|--------------|--------------------------------|----|--------|----------------|----|----|----|-------------|-------|------|----|--------|
| | | Type | | | Shape | D | | | | L | | | max. | min. | | M |
| | | | | | | 4 | | | | | | | 3.90 | 2.00 | | _ |
| | | TICN | WDC® | | | 5 | (40) | 50 60 | 70 | 80 | | | 4.90 | 2.00 | 8 | 3 |
| | —Normal— | TiCN coating | WPC® treatment | —HW coating— | 2H∼12H | 6 | | | | | | | 5.90 | 2.00 | | 3 |
| D 4~25 | SP | | W-SP | | 2J∼18J | 8 | | | | | | | 7.90 | 2.00 | | 4 |
| D 4~25 | SH | H-SH | W-SH | HW-SH | 3K∼29K | 10 | | | | | | | 9.90 | 2.50 | 13 | 5 |
| D 4~25 | PH | H-PH | W-PH | HW-PH | 2L∼7L | 13 | (40) (| 50) 6 0 | 70 | 80 | on | 100 | 12.90 | 3.00 | | |
| D10~45 | SP-C | | W-SP-C | | 8L (With locating only) | 16 | (40) (| JU) UU | 70 | 00 | 30 | 100 | 15.90 | 4.00 | | 6 |
| D10~25 | | H-SP-C | | HW-SP-C | dowel hole down | 20 | | | | | | | 19.90 | 5.00 | | U |
| D 5∼25 | AP | H-AP | W-AP | HW-AP | Tip shape | 25 | | | | | | | 24.90 | 6.00 | 19 | |
| D 5∼25 | APH | H-APH | W-APH | HW-APH | Select from the | 32 | | | 70 | 80 | 90 | 100 110 120 | 31.90 | 7.00 | 19 | |
| D 5∼25 | MP | | W-MP | | shapes shown on P.715. | 38 | | | | 80 | 90 | 100 110 120 | 37.90 | 8.00 | | _ |
| | | | | | | 45 | | | | UU | 30 | 100 110 120 | 44.90 | 9.00 | | |

The tip end of a TiCN coating punch is ground before the coating is applied.

L(40) → For heavy-load punches, full length (40) cannot be selected.

• If full length is (40) for punches other than heavy-load punches, tip length is 6mm in all cases.

• L (50) →• If full length is (50) for heavy-load punches, tip length is 8mm in all cases.

• If full length is (50) for punches other than heavy-load punches, tip length is 13mm in all cases.

For TiCN coating, WPC® treatment, and HW coating types, 10J-13J-5K-10K-18K cannot be used.



Catalog No. | — | L

- P·W·A·B·C·Q·R·S···0.01mm increments

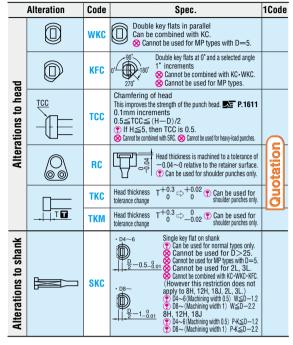
- 80 - P18.00-W16.00-A8.00 W-SP29K 10 - 80 - P7.00 - W5.00







| | Alteration | Code | Spec. | 1Code | | | |
|----------------------------|---|------|--|--------|--|--|--|
| Alterations to tip | BC BC | ВС | Tip length change 2≦BC≦Bmax. 0.1mm increments 1 Full length Limusth eat least 37mm 3.00 ~ 3.99 19 3.00 ~ 3.99 19 4.00 ~ 4.99 25 5.00 ~ 5.00 ~ 30 19 4.00 ~ 4.99 25 5.00 ~ 5.00 ~ 30 19 4.00 ~ 4.99 25 5.00 ~ 5.00 ~ 30 10 4.00 ~ 4.99 25 5.00 ~ 5.00 ~ 30 10 4.00 ~ 4.99 25 5.00 ~ 5.00 ~ 5.00 ~ 30 10 4.00 ~ 10 10 10 10 10 10 10 | | | | |
| Alt | M | PKC | Tip tolerance change $ P \cdot W \pm 0.01 \ \ \Leftrightarrow \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $ | | | | |
| Alterations to full length | LC | LC | Full length change 37+8 (BC) ≦LC < L 0.1 mm increments If difference between full length and tip length is 37mm If D≥32 for 3J~13J~16J~K·L, tip length 18 is as indicated in the table below. L(LC) Bmax Bmax L(LC) Bmax Bmax | on on | | | |
| | | LKC | Full length tolerance change L +0.3 ⇒ +0.05 0 | Jotati | | | |
| | <u>- LO</u> | LKZ | Full length tolerance change L+0.3 > +0.01 | ð | | | |
| Alterations to head | <u> - 외</u> | нс | Head diameter change D≦HC <d+3 0.1mm="" be="" cannot="" for="" heavy-load="" increments="" punches.<="" th="" used="" ⊗=""><th></th></d+3> | | | | |
| | TC TC | TC | Head thickness change 2≦TC<5 0.1mm increments (▶ Full length L is shortened by (5—TC). If combined with LC, full length is equal to LC. ⊗ Cannot be used for heavy-load punches. | | | | |
| | KC 0° 180 180 180 180 180 180 180 180 180 180 | | | | | | |





Quotation

718 717