

CARBIDE RODS & BLANKS

2020►2021
WIDIN
PRODUCTS

CARBIDE RODS & BLANKS

05





Carbide Grade

| | ISO Code | Co | Typical Grain Size | Density | Hv10 | HRA | TRS |
|------|----------|------|--------------------|-------------------|-------|------|-------------------|
| | | Wt% | μm | g/cm ³ | | | N/mm ² |
| WU08 | K01 | 8.0 | 0.3~0.4 | 14.30 | 2,000 | 94.2 | 3,000 |
| WF08 | K05 | 8.0 | 0.5 | 14.40 | 1,950 | 93.5 | 3,000 |
| WF10 | K10 | 10.0 | 0.5 | 14.40 | 1,700 | 92.5 | 3,000 |
| WF12 | K10~K20 | 12.0 | 0.5 | 14.10 | 1,650 | 92.0 | 3,400 |
| WK10 | K20 | 10.0 | 0.7~0.8 | 14.40 | 1,600 | 91.5 | 3,200 |

Grade Application

| | Carbon Steel (<45HRC) | Graphite & Carbon fiber | Stainless Steel | Cast Iron | Titanium Alloy | Aluminum Alloy | Heat Resistant Alloy | Hardened Steel |
|------|-----------------------|-------------------------|-----------------|-----------|----------------|----------------|----------------------|----------------|
| WU08 | | ◎ | ○ | | ◎ | ○ | | ◎ |
| WF08 | | | | | ○ | ◎ | | ○ |
| WF10 | ◎ | | ◎ | ○ | ○ | ○ | | |
| WF12 | ○ | | ○ | ◎ | | ○ | ◎ | |
| WK10 | ◎ | | ○ | ○ | ○ | | ○ | |

◎ : Suitable ○ : Recommended