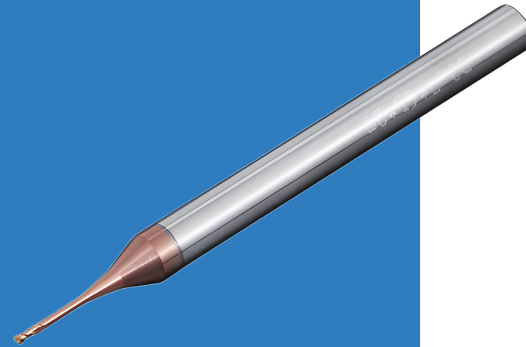


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MicroRods

CEMENTED CARBIDE TOOLS



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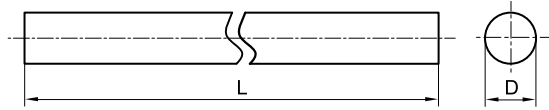
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Rod Material Introduction

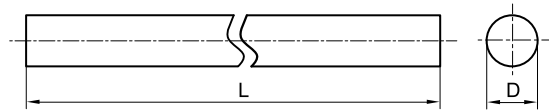
Grade	Binder Phase	Grain Size	Hardness		T.R.S	Density	Application	ISO
			HRA	HV3	≥N/mm2	g/cm3		
VKD10	10	0.8	91.8	1560	3800	14.45	It is a general grade with stable and excellent performance, covering the cutting of most ISO P,M,K, N materials. Suitable for drilling,milling and reaming.	K30
VKD12U	12	0.4	92.5	1700	4100	14.15	Excellent wear resistance and impact resistance. It is used for machining stainless steel, titanium alloy, nickel base alloy and other difficult to machine materials. Suitable for milling and drilling.	K40
VKD06U	6	0.4	93.8	2000	3800	14.8	Suitable for finish machining of high hard materials, composite materials, PCB tools and engraving knives.	K10
VKD15	15	0.7	89.5	1370	4000	13.9	Suitable for making stamping dies, wear-resistant consumable parts, etc.	K40

Solid Cemented Carbide Rods



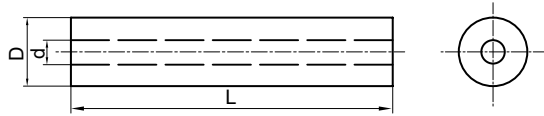
TYPE	D(mm)	ToL of D(mm)	L (mm)	ToL of L(mm)
Φ3.0x330	3	' +0.3 ~ +0.45	330/310	-0 ~ +5.0
Φ3.5x330	3.5	' +0.3 ~ +0.45	330/310	-0 ~ +5.0
Φ4.0x330	4	' +0.3 ~ +0.45	330/310	-0 ~ +5.0
Φ4.5x330	4.5	' +0.3 ~ +0.45	330/310	-0 ~ +5.0
Φ5.0x330	5	' +0.3 ~ +0.45	330/310	-0 ~ +5.0
Φ5.5x330	5.5	' +0.3 ~ +0.45	330/310	-0 ~ +5.0
Φ6.0x330	6	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ6.5x330	6.5	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ7.0x330	7	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ8.0x330	8	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ8.5x330	8.5	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ9.0x330	9	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ10.0x330	10	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ10.5x330	10.5	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ11.0x330	11	' +0.3 ~ +0.60	330/310	-0 ~ +5.0
Φ12.0x330	12	' +0.3 ~ +0.60	330/310	-0 ~ +5.0

Fine-Diameter Cemented Carbide Rods



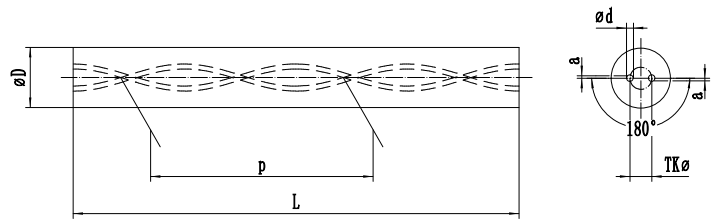
TYPE	D(mm)	ToL of D(mm)	L (mm)	ToL of L(mm)
Φ0.5x330	0.5	+0.15~+0.30	330/310	-0~+5.0
Φ0.7x330	0.7	+0.15~+0.30	330/310	-0~+5.0
Φ0.8x330	0.8	+0.15~+0.30	330/310	-0~+5.0
Φ1.0x330	1.0	+0.15~+0.30	330/310	-0~+5.0
Φ1.5x330	1.5	+0.15~+0.30	330/310	-0~+5.0
Φ1.6x330	1.6	+0.15~+0.30	330/310	-0~+5.0
Φ1.8x330	1.8	+0.15~+0.30	330/310	-0~+5.0
Φ2.0x330	2.0	+0.15~+0.30	330/310	-0~+5.0
Φ2.3x330	2.3	+0.15~+0.30	330/310	-0~+5.0
Φ2.5x330	2.5	+0.15~+0.30	330/310	-0~+5.0
Φ2.8x330	2.8	+0.15~+0.30	330/310	-0~+5.0

Single-Hole Cemented Carbide Rods



TYPE	D(mm)	Tol.of D(mm)	d	Tol.of d(mm)	L(mm)	Tol.of L(mm)
$\Phi 3 \times \Phi 0.5$	3	+0.3 , +0.5	0.50	± 0.10	330/310	0~+5
$\Phi 4 \times \Phi 0.8$	4	+0.3 , +0.5	0.80	± 0.10	330/310	0~+5
$\Phi 5 \times \Phi 0.8$	5	+0.3 , +0.5	0.80	± 0.10	330/310	0~+5
$\Phi 6 \times \Phi 1.0$	6	+0.3 , +0.5	1.00	± 0.15	330/310	0~+5
$\Phi 7 \times \Phi 1.0$	7	+0.3 , +0.6	1.00	± 0.15	330/310	0~+5
$\Phi 8 \times \Phi 1.0$	8	+0.3 , +0.6	1.00	± 0.15	330/310	0~+5
$\Phi 9 \times \Phi 1.4$	9	+0.3 , +0.6	1.40	± 0.15	330/310	0~+5
$\Phi 10 \times \Phi 1.4$	10	+0.3 , +0.6	1.40	± 0.15	330/310	0~+5
$\Phi 12 \times \Phi 1.75$	12	+0.3 , +0.6	1.75	± 0.15	330/310	0~+5
$\Phi 14 \times \Phi 1.75$	14	+0.3 , +0.7	1.75	± 0.15	330/310	0~+5
$\Phi 16 \times \Phi 2.0$	16	+0.3 , +0.7	2.00	± 0.20	330/310	0~+5

30° Double Helix Hole Rods



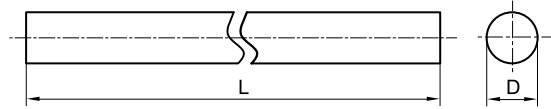
D(mm)	Tol.of D(mm)	d(mm)	Tol.of d(mm)	TKØ	Tol	A(mm)	Pitch (mm)	Tol
3.0	+0.6,+1.0	0.40	±0.10	1.70	+0,-0.4	0.15	16.32	-0.32,+0.33
4.0	+0.6,+1.0	0.60	±0.10	2.20	+0,-0.4	0.15	21.77	-0.43,+0.45
5.0	+0.6,+1.0	0.70	±0.10	2.60	+0,-0.4	0.15	27.21	-0.54,+0.56
6.0	+0.6,+1.0	0.70	±0.10	2.60	+0,-0.4	0.15	32.65	-0.65,+0.67
7.0	+0.7,+1.1	1.00	±0.15	3.70	+0,-0.4	0.15	38.09	-0.76,+0.78
8.0	+0.7,+1.1	1.00	±0.15	4.00	+0,-0.4	0.15	43.53	-0.86,+0.89
9.0	+0.7,+1.1	1.40	±0.15	4.80	+0,-0.6	0.20	48.97	-0.97,+1.00

30° Double Helix Hole Rods



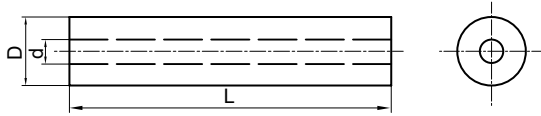
D(mm)	Tol.of D(mm)	d(mm)	Tol.of d(mm)	TKØ	Tol	A(mm)	Pitch (mm)	Tol
10.0	+0.7,+1.1	1.40	±0.15	4.80	+0,-0.6	0.20	54.41	-1.08,+1.11
11.0	+0.7,+1.1	1.40	±0.15	5.30	+0,-0.8	0.30	59.86	-1.19,+1.22
12.0	+0.7,+1.1	1.40	±0.15	6.25	+0,-0.8	0.30	65.3	-1.30,+1.34
13.0	+0.7,+1.1	1.75	±0.20	6.50	+0,-0.8	0.37	70.74	-1.40,+1.45
14.0	+0.7,+1.1	1.75	±0.20	7.10	+0,-0.8	0.40	76.18	-1.51,+1.56
15.0	+0.7,+1.1	1.75	±0.20	7.70	+0,-0.8	0.40	81.62	-1.62,+1.67
16.0	+0.7,+1.1	1.75	±0.20	8.30	+0,-0.8	0.40	87.06	-1.73,+1.78

Fine-Diameter Cemented Carbide Rods



TYPE	D(mm)	ToL of D(mm)	L (mm)	ToL of L(mm)
Φ0.5x330	0.5	+0.15~+0.30	330/310	-0~+5.0
Φ0.7x330	0.7	+0.15~+0.30	330/310	-0~+5.0
Φ0.8x330	0.8	+0.15~+0.30	330/310	-0~+5.0
Φ1.0x330	1.0	+0.15~+0.30	330/310	-0~+5.0
Φ1.5x330	1.5	+0.15~+0.30	330/310	-0~+5.0
Φ1.6x330	1.6	+0.15~+0.30	330/310	-0~+5.0
Φ1.8x330	1.8	+0.15~+0.30	330/310	-0~+5.0
Φ2.0x330	2.0	+0.15~+0.30	330/310	-0~+5.0
Φ2.3x330	2.3	+0.15~+0.30	330/310	-0~+5.0
Φ2.5x330	2.5	+0.15~+0.30	330/310	-0~+5.0
Φ2.8x330	2.8	+0.15~+0.30	330/310	-0~+5.0

Micro-Hole Rods



TYPE	D(mm)	ToL of D(mm)	d(mm)	Tol of d(mm)	L (mm)	ToL of L(mm)
$\Phi 2.0 \times \Phi 0.2 \times 330$	2	+0.25 , +0.40	0.20	± 0.05	330/310	0~+5
$\Phi 2.0 \times \Phi 0.3 \times 330$	2	+0.25 , +0.40	0.30	± 0.05	330/310	0~+5
$\Phi 2.0 \times \Phi 0.4 \times 330$	2	+0.25 , +0.40	0.40	± 0.05	330/310	0~+5
$\Phi 2.0 \times \Phi 0.5 \times 330$	2	+0.25 , +0.40	0.50	± 0.05	330/310	0~+5
$\Phi 2.0 \times \Phi 1.2 \times 330$	2	+0.25 , +0.40	1.20	± 0.1	330/310	0~+5
$\Phi 3.0 \times \Phi 0.2 \times 330$	3	+0.25 , +0.40	0.20	± 0.05	330/310	0~+5
$\Phi 3.0 \times \Phi 0.3 \times 330$	3	+0.25 , +0.40	0.30	± 0.05	330/310	0~+5
$\Phi 3.0 \times \Phi 0.4 \times 330$	3	+0.25 , +0.40	0.40	± 0.05	330/310	0~+5
$\Phi 3.0 \times \Phi 2.0 \times 330$	3	+0.25 , +0.40	2.00	± 0.1	330/310	0~+5

Product Features

