

Solid Carbide Anti-vibration Modular Extension

ZANHO Cutting Tools



Carbide Shank

Anti-Vibration Modular Extension Shank

Feature

ZANHO Solid Carbide Anti-vibration Modular Extension: A premium solution for deep cavity and long-reach machining. Crafted from **YG11H alloy**, this extension provides unmatched rigidity and vibration suppression compared to steel holders. With **0.003mm runout precision**, modular interchangeability, and **internal coolant** support, it ensures superior surface finish and significantly reduced tooling costs.

Descriptions

Technical Features



- **Superior Vibration Dampening:** High elastic modulus of YG11H carbide minimizes chatter and improves surface quality.
- **Extremely High Precision:** Dual-location system (Thread + Face) ensures runout within 0.003mm.
- **Internal Coolant System:** Through-hole design for direct cooling and efficient chip evacuation in deep cavities.
- **Cost-Effective Modular Design:** Rapidly interchangeable with various modular heads (Square Shoulder, Ball Nose, etc.).
- **High Rigidity & TRS:** Hardness ? 86 HRA and Transverse Rupture Strength ? 3500 MPa for stable machining.

YG11H Material Specifications

Alloy Grade	WC (%)	Co (%)	Ni (%)	Density	Hardness	TRS (MPa)
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YG11H	80.5%	12%	7%	? 12.5 g/cm ³	? 86 HRA	? 3500
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Extension Rod Dimensions (mm)



Code	D (mm)	Thread (M)	Length (L)
8M4-100	8	M4	100
10M5-80	10	M5	80
10M5-100	10	M5	100
10M5-150	10	M5	150
12M6-100	12	M6	100
12M6-150	12	M6	150
12M6-200	12	M6	200
15M8-100	15	M8	100
15M8-150	15	M8	150
15M8-200	15	M8	200
15M8-250	15	M8	250
15.6M8-100	15.6	M8	100
15.6M8-150	15.6	M8	150
15.6M8-200	15.6	M8	200
15.6M8-250	15.6	M8	250
16M8-100	16	M8	100

Code	D (mm)	Thread (M)	Length (L)
16M8-150	16	M8	150
16M8-200	16	M8	200
16M8-250	16	M8	250
16M8-300	16	M8	300
19M10-100	19	M10	100
19M10-150	19	M10	150
19M10-200	19	M10	200
19M10-250	19	M10	250
19M10-300	19	M10	300
20M10-100	20	M10	100
20M10-150	20	M10	150
20M10-200	20	M10	200
20M10-250	20	M10	250
20M10-300	20	M10	300
24M12-100	24	M12	100
24M12-150	24	M12	150
24M12-200	24	M12	200
24M12-250	24	M12	250
24M12-300	24	M12	300
24M12-350	24	M12	350
25M12-100	25	M12	100
25M12-150	25	M12	150
25M12-200	25	M12	200

Code	D (mm)	Thread (M)	Length (L)
25M12-250	25	M12	250
25M12-300	25	M12	300
25M12-350	25	M12	350
30M16-150	30	M16	150
30M16-200	30	M16	200
30M16-250	30	M16	250
30M16-300	30	M16	300
30M16-350	30	M16	350
32M16-150	32	M16	150
32M16-200	32	M16	200
32M16-250	32	M16	250
32M16-300	32	M16	300
32M16-350	32	M16	350
32M16-400	32	M16	400