



®
ZGCC

Molybdenum Penetrator manufactured by powder metallurgy

Grade	Density(g/cm ³)	Applications
MDT	≥ 9.3	Used to produce seamless steel tube, such as stainless steel and high temperature alloy.



Zigong Cemented Carbide Co. Ltd., (ZGCC) manufactures mainly four categories of products such as Cemented Carbide Alloy, Tungsten & Molybdenum products, hardfacing materials and mining tools. These products are widely used in industries including: machinery, metallurgy, oil, mining, construction, electronic and aviation. ZGCC's multi layered approach to business seamlessly integrates production with R & D.

Zigong Cemented Carbide Co.'s “Great Wall” label products are exported to more than 40 countries including Europe, USA and Southeast Asia. ZGCC is a well-established organization in the Molybdenum industry and is one of the major players in China and the world.

ZGCC is the first company to successfully develop the “Moly Penetrator” in China, and the only penetrator manufacturer issued with the National Quality Silver Award. They have made great historical contributions in assisting Shanghai #5 Plant, Greatwall Special Steel Co., Fushun Special Steel Co. and Xining Special Steel Co., in producing the first seamless steel tubing.



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Molybdenum Penetrator blank size and tolerance:

Type	Diameter(mm)	Tolerance	Length	Tolerance
DMB20-40	20-40	+2 0	60-80	+4 0
DMB41-60	41-60	+3 0	80-110	+4 0
DMB61-80	61-80	+4 0	160-200	+4 0
DMB81-100	81-100	+5 0	180-260	+5 0
DMB101-200	101-200	+6 0	200-300	+6 0
DMB200-300	201-300	+8 0	220-350	+8 0

Precision-machined Molybdenum Penetrator size and tolerance:

Type	Diameter(mm)	Tolerance	Length	Tolerance
DMB20-300	20-300	+0.2 0	60-350	+1 0

Recommended process:

Heating temperature of Molybdenum Penetrator: 900-1000°C, heating temperature of billet: 1120-1200°C. Glass Powder is strongly recommended to sprinkle on the surface of the Molybdenum Penetrator to prevent the steel sticking to the Molybdenum.