



●Description :

DURA-WC tungsten carbide bead is shaped with cutting edge dropping & rolling method from DURA and is sintered in the vacuum kiln. The compact microstructure of bead offer the bead the highest density and excellent wear resistance. It is a creative invention of grinding media with small sizes.

●Specialty :

- Highest density: >14.0kg/dm³ ;
- Super hardness: >1500kg/mm²;
- Super stability: acid & alkali resistance, high temperature resistance .

●Application :

- For high hard material grinding: alumina, boron nitride, silicon nitride, silicon carbide, tungsten carbide and other material.
- Nano-grinding and dispersion: higher energy transmit of small sizes of DURA-WC bead guarantee nanometer rinding.

●Chemical Composition :

Composition	WC	Co
Wt%	≈90	≈10

●Physical Properties :

Specific Gravity	Bulk Density	Micro Hardness	Hardness Mohs	Compressive Strength	Fracture Toughness	Elasticity Module
≥14kg/dm ³	≥8.3kg/L	>1500kg/mm ²	9.5	>250kgf(2mm)	>15 MPa.m ^{1/2}	>710GPa ^{1/2}

●Sizes :

Model	Sizes (mm)	Model	Sizes (mm)
DW1	0.1	DW10	1.0-1.2
DW2	0.2	DW12	1.2-1.4
DW3	0.3	DW14	1.4-1.6
DW4	0.4	DW16	1.6-1.8
DW5	0.4-0.6	DW18	1.8-2.0
DW6	0.6-0.8		
DW8	0.8-1.0		

●Sizes(Balls) :

Model	Sizes (mm)
DWB5	5
DWB6	6
DWB8	8
DWB10	10
DWB12	12
DWB16	16
DWB20	20

●Sizes(Cylinders) :

Model	Sizes (mm)
DWC5	5x10~12
DWC6	6x10~12
DWC8	8x10~12
DWC10	10x10~12
DWC12	12x10~12
DWC16	16x10~16
DWC20	20x10~20