

Tungsten Carbide Stone Crushing Blocks

Tungsten carbide stone crushing blocks are engineered for demanding mining and construction applications. These blocks provide exceptional wear resistance and high hardness, ensuring a prolonged service life in harsh environments.



ADDITIONAL IMAGES



Product Overview

High-Performance Tungsten Carbide Crushing Solutions

These YG8C tungsten hard alloy blocks are engineered for demanding construction and mining applications. Utilizing 100% raw materials and HIP sintering technology, they offer superior hardness, wear resistance, and impact toughness. Designed for extreme environments, these blocks help minimize equipment downtime and maximize operational productivity in stone crushing operations.

Technical Specifications

Alloy Grade	YG8C
Quality Certifications	ISO 9001

Material Grade Data

Tungsten carbide grade introduction				
Grade	Equivalent to ISO	Hardness (HRA) \pm	Bending strength (N/mm ²) \pm	Density (g/cm ³) \pm
YG6X	K10	91.3	1580	14.8-15.1
YG6A	K05-K10	14.9	1860	92
YG6	K20	89.8	1700	14.7-15.1
YN8	K30/K20	90.5	1880	14.5-14.9
YG8	K30	89.5	1890	14.6-14.9
YG8C	K30	88.3	2100	14.5-14.9
YG15	-	87.3	2250	13.9-14.2
YG10X	K35	89.5	2200	14.3-14.7
YS2T	M30/K30	91.8	3600	14.3-14.6
YL10.2	-	91.2 - 91.8	3600	14.4-14.6
YG11C	K40	86.8	2300	14.1-14.5

Comparison of hardness and bending strength across common carbide grades.

Tungsten Carbide Grade Comparison

Grade	ISO Equivalent	Hardness (HRA)	Bending Strength (N/mm ²)
YG8C	K30	88.3	2100
YG6X	K10	91.3	1580
YG8	K30	89.5	1890
YS2T	M30/K30	91.8	3600

Dimensional Specifications

TYPE	T (mm)	W (mm)	L (mm)	TYPE	T (mm)	W (mm)	L (mm)
STB 12	0.8	1.6	25.4	STB 410A	3.2	7.9	38.1
STB 13	1.2	2.4	25.4	STB 410B	3.2	7.9	76.2
STB 13A	1.2	2.4	20.6	STB 412A	3.2	9.5	50.8
STB 24A	1.6	3.2	25.4	STB 412B	3.2	9.5	76.2
STB 24B	1.6	3.2	76.2	STB 412C	3.2	9.5	152.4
STB 24C	1.6	3.2	31.8	STB 412D	3.2	9.5	25.4
STB 26A	1.6	4.8	25.4	STB 416	3.2	12.7	152.4
STB 26C	1.6	4.8	76.2	STB 416A	3.2	12.7	25.4
STB 28A	1.6	6.4	25.4	STB 416B	3.2	12.7	38.1
STB 28B	1.6	6.4	31.8	STB 416C	3.2	12.7	76.2
STB 28D	1.6	6.4	76.2	STB 420	3.2	15.9	152.4
STB 14	2.0	3.2	28.6	STB 68	4.8	6.4	152.4
STB 34	2.4	3.2	127.0	STB 68A	4.8	6.4	76.2
STB 36	2.4	4.8	28.6	STB 610	4.8	7.9	152.4
STB 36A	2.4	4.8	31.8	STB 610A	4.8	7.9	76.2

Dimensional guide for various STB series tungsten carbide blocks.

Standard Dimension Range

Type	Thickness (mm)	Width (mm)	Length (mm)
STB 12	0.8	1.6	25.4
STB 24A	1.6	3.2	25.4
STB 412A	3.2	9.5	50.8
STB 610	4.8	7.9	152.4

Applications

Common Industrial Applications

- Stone Crushing Operations
- Impact Crushers
- Hammer Mills
- Processed Wood Production
- Hardened Steel and Cast Iron Machining
- Brake Material Manufacturing