

Low Chrome Cast Grinding Balls (Cr 1-3%)

Product datasheet - grinding media and wear parts

Low chromium cast grinding balls are a type of grinding media with a relatively low chromium content, typically ranging from 1%-3%. These balls are widely used in cement plants, mining, power stations, and chemical industries for grinding applications in ball mills and vertical mills.

Moderate Hardness: Typically HRC 45-55, providing a balance between wear resistance and impact toughness.



Diameter tolerance

Diameter(mm)	$\Phi < 30$	$30 < \Phi < 60$	$60 < \Phi < 80$	$80 < \Phi < 100$	$\Phi > 100$
Diameter tolerance(mm)	+1,-1	+1.5,-1	+2,-1	+2.5,-1	+3,-1

Technical specification

Material	Diameter(mm)	Hardness(HRC)	Breakage rate	Impact value(J/cm ²)	Drop times(times)	Micro structure
ZQCr2	17-150	>45	<1%	>1.5	>=8000	P+C

Chemical composition

Brand	Chemical composition(%)	Chemical composition(%)	Chemical composition(%)	Chemical composition(%)	Chemical composition(%)	Chemical composition(%)	Chemical composition(%)	Chemical composition(%)	Chemical composition(%)
ZQCr2	C	Si	Mn	Cr	Mo	Cu	Ni	P	S
2.1-3.6	1.5max	0.3-1.5	1.0-3.0	0-1.0	0-0.8	-	<=0.10	<=0.10	

Typical applications

Manufacturing Process; Industry Standards; Sizes are supplied to the tolerance stated in the specification table above; Hardness and impact values are recorded per heat and reported on the mill certificate; Mixed sizes can be loaded in one container to suit a chamber change.

Ordering notes

Minimum order, lead time and packing are confirmed against the size mix or drawing in your enquiry. Each shipment carries a test report with chemistry, hardness, impact value and breakage rate for the heat. Payment terms: T/T with 30% deposit, or irrevocable L/C at sight. Shipping: FOB Qingdao, CIF or DAP.

Ordering and technical support

Send the mill type, media size or liner drawing, quantity and destination port. We reply with a quotation, packing plan and lead time within 12 hours.

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Product page: <https://grindium.com/products/mill-grinding-ball/cast-grinding-balls/low-chromium-cast-iron-grinding-balls/>

