Low Chrome Cylpebs ZQCr2

Product datasheet - grinding media and wear parts

ZQCr2 is a type of low-chrome alloy casting steel used for cylpebs , which are grinding media commonly used in ball mills and cement mills for crushing and grinding materials.

Material Composition: Low chromium (Cr) alloy steel Hardness: Generally ranges between HRC 45-55 , depending on heat treatment Wear Resistance: Higher than conventional steel but lower than high-chrome alloy media Impact Toughness: Better than high-chrome cast media, reducing breakage in the mill Application: Used in cement plants, mining, power plants , and other grinding applications

Specifications

Diameter (mm)	8x10	10x12	12x14	14x16	16x18	18x20	20x25
25x30	30x35	35x40	40x45	45x50	50x55	55x60	
Diameter tolerance(mm)	+1, -1	+1, -1	+1, -1	+1, -1	+1, -1	+1, -1	+1, -1
Length tolerance (mm)	+2, -2	+2, -2	+2, -2	+2, -2	+2, -2	+2, -2	+2, -2

Technical data

Material Gr.	Diameter(mm)	Hardness(HRC)	Breakage rate	Impact value(J/cm2)	Drop times(times)	Micro structure
ZQCr2	17-150	>45	<1%	>1.5	>=8000	P+C

Technical data

Material Gr.	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)
	C	Si	Mn	Cr	Mo	Cu	Ni	P	S
ZQCr2	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

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; Packing options: 1 t bulk bag, 850 kg steel drum or 2 t pallet.

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-cylpebs/cast-grinding-cylpebs/low-chrome-alloy-casting-steel-cylpebs-zqcr2/

Specifications are typical values and may be adjusted to the mill and ore. Printing is permitted; modification and resale of this document are not.