High Chrome Cast Grinding Cylpebs (Cr 18-26%)

Product datasheet - grinding media and wear parts

In the second chamber of a cement mill, cylpebs present more surface area to the material than balls of the same weight, and high chrome alloy keeps that surface hard as it wears.

Send the mill type, chamber, ball or rod size and the tonnage you need per year. We will quote FOB Qingdao or CIF, with a lead time confirmed against the current production schedule. Request a quotation .

Diameter tolerance and Length tolerance

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 specification

Material Gr.	Diameter(mm)	Hardness(HRC)	Breakage rate	Impact value(J/cm2)	Drop times(times)	Micro structure
ZQCr26	17-150	>58	<1%	>7	>=12000	M+C
ZQCr20	17-150	>58	<1%	>6	>=12000	M+C
ZQCr15	17-150	>58	<1%	>5	>=12000	M+C
ZQCr12	17-150	>58	<1%	>3.5	>=12000	M+C
ZQCr8	17-150	>58	<1%	>3	>=12000	M+C

Chemical composition

Brand	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
ZQCr26	2.0-3.3	1.2max	0.3-1.5	>23.0-30.0	0-3.0	0-1.2	0-1.5	<=0.10	<=0.06
ZQCr20	2.0-3.3	1.2max	0.3-1.5	>18.0-23.0	0-3.0	0-1.2	0-1.5	<=0.10	<=0.06
ZQCr15	2.0-3.3	1.2max	0.3-1.5	>14.0-18.0	0-3.0	0-1.2	0-1.5	<=0.10	<=0.06
ZQCr12	2.0-3.3	1.2max	0.3-1.5	>10.0-14.0	0-3.0	0-1.2	0-1.5	<=0.10	<=0.06
ZQCr8	2.1-3.3	2.2max	0.3-1.5	7.0-10.0	0-1.0	0-0.8	■	<=0.10	<=0.06

Typical applications

Casting Steel : Manufactured via casting molten alloy into molds, followed by heat treatment (quenching and tempering) to achieve desired microstructure.; Cylpebs : Cylindrical grinding media (25-100mm in length/diameter) with a slightly conical shape, offering increased surface area compared to spherical balls.; Hardness : 58-68 HRC due to martensitic matrix and chromium carbides.; Wear Resistance : Superior due to hard carbides (e.g., Cr7C3) embedded in the microstructure.; Impact Toughness : Balanced through heat treatment to prevent brittleness..

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.

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

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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