

Product information

STEEL GRINDING BALLS

C-Mn-steel

Characteristic and use

Balls are forge-milled on ball rolling mills, then hardened and relased.
Field of application: wet- and dry grinding of ore, minerals, metals, sand, cement raw flour, lime gypsum, clay, coal, coke slag, waste, chemicals and colour pigments

Diameters

20 mm	35 mm	60 mm
25 mm	40 mm	70 mm
30 mm	50 mm	80 mm
tolerance: 3% on the instantaneous diameter		further diameters on request

Technical properties

Shape	round
Density (spec. weight)	ca. 7,87 g/cm ³
Hardness according to Rockwell (HRC)	57 - 64
Coefficient of thermal expansion	---
Surface	metallic
Modulus of elasticity (Young)	---
Settled apparent density	ca. 4,8 kg/dm ³
Crushing strength acc. To diameter	---
Purity	---
Hydrol. Class	---
Acidic class	---
Alkaline class	---
Deformation temperature	---
Thermal conductivity	---

Chemical composition

C	0,60 - 1,0%	Cr	max. 1,5%
Si	0,15 - 0,7%	P	max. 0,35%
Mn	0,35 - 1,1%	S	max. 0,35%

Packing:

- in metal barrels, BigBags

Storage

in dry rooms

Product information

CARBON STEEL BALLS

C85 / W 1.0616

Characteristic and use:

Through hardened carbon steel balls are highly bearing and resilient. These balls are a good alternative to chrome steel balls. For use as grinding balls, mixing balls and polishing steel balls.

Field of application: wet- and dry grinding of ore, minerals, metals, sand, cement raw flour, lime gypsum, clay, coal, coke, slag, waste, chemicals and colour pigments

Diameters:

1,588 mm	3,5 mm	4,762 mm
2,0 mm	4,0 mm	6,35 mm
2,5 mm	further diameters on request	

Technical properties:

Shape	round
Density (spec.gravity)	ca. 7,85 g/cm ³
Hardness according to Rockwell (HRC)	60 - 66
Coefficient of thermal expansion	---
Surface	metallic
Modulus of elasticity (Young)	---
Settled apparent density	ca. 4,8 kg/dm ³
Crushing strength acc. to diameter	---
Purity	---
Hydrol. class	---
Acidic class	---
Alkaline class	---
Deformation temperature	---
Thermal conductivity	---

Chemical composition:

C	0,83- 0,88%	P	max. 0,04%
Si	0,10 - 0,30%	S	max. 0,04%
Mn	0,30 - 0,70%		

Packing:

- in plastic bags and cover carton

Storage:

in dry rooms