

Product information

CARBON STEEL BALLS

C-Mn-steel

Characteristic and use:

Balls are forge-milled on ball rolling mills, then hardened and released.
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.gravity)	ca. 7,87 g/cm³
Hardness according to Rockwell (HRC)	57 - 64
Coefficient of thermal expansion	---
Surface	metallic
Modulus of elasticity (Young)	---
Settled apparent density	ca. 4,8 kg/dm³
Crushing strength acc. to diameter	---
Purity	---
Hydrol. class	---
Acidic class	---
Alkaline class	---
Deformation temperature	---
Thermal conductivity	---

Chemical composition:

C	0,5 - 0,9 %	Cr	max. 1,7 %
Si	max. 1,6 %	P	max. 0,04 %
Mn	0,3 - 1,0 %	S	max. 0,04 %

Packing:

- in metal barrels

Storage:

in dry rooms

Subject to change - All information is given in good faith but without warranty. We cannot accept responsibility or liability for any damage, resulting from the use of this information