

Product information

CHROME STEEL BALLS

W 1.3505 / 100 CR 6 / class VI

Characteristic and use:

The quality is defined by material number (W) and class (rom. I - VII). For grinding- and dispersion processes the material W 1.3505 can be used also in food production. The high density allows the dispersion if highly viscous products. The steel balls we are offering are currently produced according to DIN 5401

Diameters:

1,5 mm	2,5 mm	3,5 mm
2,0 mm	3,0 mm	and bigger
ask for other materials and special sizes		

Technical properties:

Shape	round according to class VI
Density (spec.gravity)	ca. 7,85 g/cm ³
Hardness according to Rockwell (HRC)	60 - 66
Coefficient of thermal expansion	---
Surface	polished metallic
AISI	52100
Settled apparent density	4,8 kg/dm ³
Tensile strength	ca. 228 kg/mm ³
Purity	food pure
Hydrol. class	---
Acidic class	---
Alkaline class	---
Operating temperature	max. 468°C/900F
Thermal conductivity	27 W/m ² K

Chemical composition:

C	1,030%	Cr	1,530%
Si	0,310%	P	0,024%
Mn	0,390%	S	0,012%

Packing:

- in units with 20 kgs each
- in poly-bags with cardboard cover-packing

Storage:

in dry rooms