

Product information

STAINLESS STEEL BALLS

W 1.4034 / X 40 CR 13 / 420 / 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 1.4034 can be used. The steel balls we are offering are currently produced according to DIN 5401

Diameters:

0,2 mm - 16 mm

further materials and diameters on request

Technical properties:

Shape	round according to class VI
Density (spec.gravity)	ca. 7,75 g/cm ³
Hardness according to Rockwell (HRC)	54 - 58
Coefficient of thermal expansion	---
Surface	polished metallic
Modulus of elasticity (Young)	220 x 10 ³ Nmm ²
Settled apparent density	4,8 kg/dm ³
Crushing strength acc. to diameter	6.500 N/mm ²
Purity	---
Hydrol. class	---
Acidic class	---
Alkaline class	---
Deformation temperature	---
Thermal conductivity	30 W/M° K

Chemical composition:

C	0,42 - 0,50%	Cr	12,5 - 14,5%
Si	≤ 1,00%	P	0,045%
Mn	≤ 1,00%	S	0,030%

Packing:

- in units with 7 - 21 kgs each
- in poly-bags with cardboard cover-packing

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

Product information

STAINLESS STEEL BALLS

W 1.4301 / G500 / X5CrNi1810

Characteristic and use:

Unhardend austenitic steel. High strength, corrosion resistant
Usable for food, oxidizing solutions, organic chemicals

Diameters:

2,0 mm - 20 mm

Further materials and diameters on demand

Technical properties:

Shape	round acc. to DIN 5401
Density (spec.gravity)	ca. 7,9 g/cm ³
Hardness acc. to Rockwell(HRC)	25 - 39
Coefficient of thermal expansion	---
Surface	polished metallic
Modulus of elasticity (Young)	---
Settled apparent density	4,8 kg/dm ³
Crushing strength acc. to diameter	---
Purity	---
Hydrol. Class	---
Acidic class	---
alkaline class	---
Deformation temperature	---
Thermal conductivity	---

Chemical composition:

C	max. 0,07%	Ni	8,5 - 10,5%
Si	max. 1,00%	P	max. 0,045%
Mn	max. 2,00%	S	max. 0,03%
Cr	17 - 19%		

Packing:

- in units with 7 - 21 kgs each
- in poly-bags with cardboard cover-packing

Storage:

store in dry rooms

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