

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

Technical properties:

Shape	round according to class VI
Density (spec.gravity)	ca. 7,75 g/cm³
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/dm³
Crushing strength acc. to diameter	6.500 N/mm ²
Purity	food pure
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