

ATLAS BALL & BEARING CO. LIMITED

AISI 302 STAINLESS STEEL ROLLER DATA SHEET

Attributes

Austenitic, unhardened stainless steel rollers have good mechanical properties and corrosion resistance.

Specification with equivalents

AISI 302
BS 970 302S16
Werkstoff 1.4319
AFNOR Z10CN18-09
UNI X10CrNi809

Chemical Analysis %

C	0.12 max	S	0.03 max
Si	0.20-1.00	Cr	17.00-19.00
Mn	0.50-2.00	Ni	8.00-11.00
P	0.045 max	Fe	Bal

Typical uses/applications

Components used in foodstuff manufacture.
Marine winch bearings
Pins in corrosive applications

Mechanical/physical properties

Hardness	260 - 390 Hv, 25 - 39 HRC
Tensile strength	600-1200 Mpa
Specific gravity (density)	7.84 g/cm ³ (0.286 lb/in ³)
Modulus of elasticity	187.5 kN/mm ²
Modulus of rigidity	70.3 kN/mm ²

Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet

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