

ATLAS BALL & BEARING CO. LIMITED

S 32750 SUPER DUPLEX STAINLESS STEEL BALL DATA SHEET

Attributes

Has high resistance to abrasion, erosion and cavitation erosion in chloride containing environments and seawater. This coupled with excellent ductility and impact strength at ambient and sub-zero temperatures.

Specification with equivalents

UNS S32750
AISI F53
DIN 1.4410
AFNOR Z3CND25 07AZ

Chemical Analysis %

C	0.03 max	Ni	6.00-8.00
Cr	24.00-26.00	P	0.035 max
Cu	0.50 max	S	0.02 max
Mo	3.00-5.00	Si	0.20-0.80
Mn	1.20 max	W	0.50-1.00
N	0.24-0.26	Fe	Remainder

Typical uses/applications

Pumps, valves and subsea equipment in the oil and gas industry.

Mechanical/physical properties

Hardness 392 - 434 Hv, 40-44 HRC
Tensile strength 1440 MPa
Specific gravity (density) 7.81 g/cm³ (0.282 lb/in³)

www.atlasball.co.uk

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