

FERRITIC AND MARTENSITIC STEELS, INCL. PRECIPITATION HARDENING STEELS

Available Product Shapes

[Long Products](#)
[Plates](#)

Product Description

BÖHLER N360 is a premium aircraft quality corrosion resistant, martensitic stainless steel, produced using the P-ESR-process. Compared to conventionally produced Cr and CrMo steels, BÖHLER N360 offers improved corrosion resistance and toughness properties as well as high hardness and compressive strength.

It is typically used for anti-friction bearing components e.g. bearings, ball screws and wear resistant components for use in the aircraft industry, requiring resistance to both corrosion and wear with hardness not lower than 58 HRC after hardening and tempering, but usage is not limited to such applications.

Process Melting

[Airmelted + PESR](#)

Applications

- [> Structural parts \(Aerosp\)](#)
- [> Aerospace](#)
- [> Other Aerospace Comps.](#)
- [> Bearings](#)

Material designation		Standards	
1.4108	SEL	A756	ASTM
S42027	UNS	5898	AMS
X30CrMoN15-1	EN	DIN SEW 400	DIN
X30	Market grade		

Delivery condition

Annealed	
Hardness	max. 255 HB Bars max 69.85 mm diameter, cold finished
Annealed	
Hardness	max. 255 HB Bars above 69.85 mm diameter, hot finished
Annealed	
Tensile Strength	max. 896 129.949 N/mm ² KSI Wire, cold finished

Available Dimensions

Round Bars

Diameter		MOQ		Length		Tolerance*
mm	inch	kg	lbs	m	ft	
ROLLED						
2.00	- 12.49	0.079	- 0.492	700	1,543	3.00 - 4.00 9.84 - 13.12 IT h/k 11
12.50	- 65.00	0.492	- 2.559	800	1,764	3.00 - 4.00 9.84 - 13.12 IT h/k 11
65.01	- 120.00	2.559	- 4.724	1,500	3,307	3.00 - 4.00 9.84 - 13.12 IT h/k 11
120.01	- 130.00	4.725	- 5.118	1,500	3,307	3.00 - 5.00 9.84 - 16.40 IT h/k 14

* ISO 286

For more information see www.voestalpine.com/boehler-edelstahl

For additional specifications and other sizes please contact BÖHLER Edelstahl - Special Materials Aerospace & Land Based Turbine

The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.

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ONE STEP AHEAD.