

CONSTRUCTIESTAAL - LAGERSTAAL

Application Segments

Aerospace

Beschikbare uitvoeringen

Stafstaal

Product omschrijving

This specification covers a premium aircraft-quality, vacuum-arc-remelted low-alloy steel in the form of bars, forgings and forging stock.

It is used typically for parts requiring through hardening properties, usually with hardness of approximately 60 HRC in section thicknesses 0.50 inch (12.7 mm) and under. E.g. bearing rings and rolling elements, bearing balls and races.

Smeltroute

Airmelted + VAR

Toepassingen

> Lagers > Onderdelen van turbines en motoren (luchtvaart) > Andere luchtvaartcomp.

Technische gegevens

Materiaal aanduiding		Normen	
52100	Market grade	6444	AMS
1.2067	SEL		
102Cr6	EN		

Chemische samenstelling

C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Al	O
0,93 naar 1,05	0,15 naar 0,35	0,25 naar 0,45	max. 0,015	max. 0,015	1,35 naar 1,60	max. 0,10	max. 0,25	max. 0,30	max. 0,050	max. 0,0015

Related to AMS 6444

Leveringsconditie

gegloeid

Hardheid (HB)	max. 248 Cold finished and annealed, above 12.7 mm diameter
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gegloeid

Hardheid (HB)	max. 207 Hot finished and annealed, above 12.7 mm diameter
Treksterkte (MPa)	max. 827 Cold finished and annealed, max 12.7 mm diameter

Ronde staven

Diameter mm			MOQ kg	Lengte m			Tolerantie
GEROLD							
12,50	-	55,00	1.100	3,00	-	4,00	IT h/k 11
55,01	-	120,00	1.200	3,00	-	4,00	IT h/k 11
120,01	-	140,00	1.200	3,00	-	5,00	IT h/k 14

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

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