

KONŠTRUKČNÉ OCELE - LOŽISKOVÉ OCELE

Application Segments

Letecký priemysel

Dostupné výrobné profily

Tyčové polotovary

Popis produktu

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.

Spôsob výroby

Konvenčná výroba + VAR

Aplikácia

[> Ložiska](#)

 [> Turbíny a súčiastky motorov](#)

 [> Ostatné letecké komponenty](#)

Technické údaje

Označenie materiálu		Normy	
52100	Market grade	6444	AMS
1.2067	SEL		
102Cr6	EN		

Chemické zloženie

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

Related to AMS 6444

Stav pri dodaní

Žíhaný

Tvrdość (HB)	max. 248 Cold finished and annealed, above 12.7 mm diameter
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Žíhaný

Tvrdość (HB)	max. 207 Hot finished and annealed, above 12.7 mm diameter
Pevnosť v ťahu (MPa)	max. 827 Cold finished and annealed, max 12.7 mm diameter

Okrúhle tyče

Priemer mm			MOQ kg	Dĺžka m			Tolerancia
valcované							
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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