

KONŠTRUKČNÉ OCELE - LOŽISKOVÉ OCELE

Application Segments

Letecký priemysel

Dostupné výrobné profily

Tyčové polotovary

Popis produktu

This specification covers a premium aircraft-quality, double vacuum-melted low-alloy steel in the form of bars, forgings and forging stock. It is used typically for critical carburized parts such as bearings operating under heavy loads and high speeds at moderate temperatures. E.g. bearings and rolling elements, bearing balls and races.

Spôsob výroby

VIM + VAR

Aplikácia

> Ložiska > Turbíny a súčiastky motorov > Ostatné letecké komponenty

Technické údaje

Označenie materiálu		Normy	
M50 Nil	Market grade	6278	AMS
13DCNV40	EN		

Chemické zloženie

C	Si	Mn	P	S	Cr	Ni	V	W	Cu	Co
0,11 až 0,15	0,10 až 0,25	0,15 až 0,35	max. 0,015	max. 0,010	4,00 až 4,25	3,20 až 3,60	1,13 až 1,33	max. 0,15	max. 0,10	max. 0,25

Related to AMS 6278

Stav pri dodaní

Žíhaný

Tvrdosť (HRC)	max. 27 Cold finished and annealed, max 12.7 mm diameter
Pevnosť v ťahu (MPa)	max. 862 Cold finished and annealed, max 12.7 mm diameter

Žíhaný

Tvrdosť (HB)	max. 255 Hot finished and annealed, above 12.7 mm diameter
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Žíhaný

Tvrdosť (HB)	max. 269 Cold finished and annealed, above 12.7 mm diameter
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Okrúhle tyče

Priemer mm			MOQ kg	Dĺžka m			Tolerancia
valcované							
12,50	-	55,00	1 250	3,00	-	4,00	IT h/k 11
55,01	-	120,00	1 400	3,00	-	4,00	IT h/k 11
120,01	-	125,00	1 400	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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