

ACEROS INDUSTRIALES - ACEROS PARA RODAMIENTOS

Application Segments

Aerospace

Formatos disponibles

Productos largos

Descripción

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.

Método de obtención

Airmelted + VAR

Aplicaciones

- > Cojinetes
- > Componentes de turbinas y motores (Aerosp.)
- > Otros componentes aeroespaciales

Datos técnicos

Designación		Estándares	
52100	Market grade	6444	AMS
1.2067	SEL		
102Cr6	EN		

Composición Química

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

Related to AMS 6444

Estado de suministro**recocido**

Dureza (HB)	máx. 248 Cold finished and annealed, above 12.7 mm diameter
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recocido

Dureza (HB)	máx. 207 Hot finished and annealed, above 12.7 mm diameter
Resistencia a la tracción (MPa)	máx. 827 Cold finished and annealed, max 12.7 mm diameter

Barras redondas

Diámetro mm			MOQ kg	Longitud m			Tolerancia
FORZADO							
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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