

ACIERS POUR LA CONSTRUCTION MÉCANIQUE - ACIERS POUR ROULEMENT

Segment d'application

Aerospace

Variantes de produits disponibles

Produit long

Description du produit

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.

Procédé d'élaboration

Airmelted + VAR

Applications

- > Roulements
- > Pièces de turbines et de moteurs (aérospatial)
- > Autres composants pour l'aérospatial

Données techniques

Désignation normalisée	Normes
52100 Market grade	6444 AMS
1.2067 SEL	
102Cr6 EN	

Composition chimique

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

Related to AMS 6444

Condition de livraison**Recuit**

Dureté (HB)	max. 248 Cold finished and annealed, above 12.7 mm diameter
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Recuit

Dureté (HB)	max. 207 Hot finished and annealed, above 12.7 mm diameter
Résistance à la traction (MPa)	max. 827 Cold finished and annealed, max 12.7 mm diameter

Barres rondes et fil machine (le cas échéant)

Diamètre mm			MOQ kg	Longueur m			Tolérance
CERCLE							
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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