

# ACEROS INDUSTRIALES - ACEROS PARA RODAMIENTOS

## Application Segments

Aerospace

## Formatos disponibles

Productos largos

## Descripción

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.

## Método de obtención

VIM + VAR

## Aplicaciones

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

## Datos técnicos

Designación		Estándares	
M50 Nil	Market grade	6278	AMS
13DCNV40	EN		

## Composición Química

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

Related to AMS 6278

## Estado de suministro

### recocido

Dureza (HRC)	máx. 27   Cold finished and annealed, max 12.7 mm diameter
Resistencia a la tracción (MPa)	máx. 862   Cold finished and annealed, max 12.7 mm diameter

### recocido

Dureza (HB)	máx. 255   Hot finished and annealed, above 12.7 mm diameter
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### recocido

Dureza (HB)	máx. 269   Cold finished and annealed, above 12.7 mm diameter
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## Barras redondas

Diámetro mm			MOQ kg	Longitud m			Tolerancia
<b>FORZADO</b>							
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

The data contained in this brochure is merely for general information and therefore shall not be binding on the company. We may be bound only through a contract explicitly stipulating such data as binding. Measurement data are laboratory values and can deviate from practical analyses. The manufacture of our products does not involve the use of substances detrimental to health or to the ozone layer.