

ACEROS INDUSTRIALES - ACEROS PARA TRATAMIENTO TÉRMICO Y ACEROS PARA TEMPLE POR PRECIPITACIÓN

Application Segments

Aerospace

Automotive

Formatos disponibles

Productos largos

Descripción

BÖHLER V132 is a premium aircraft-quality, low-alloy Ni-Cr-Mo steel in the form of bars, forgings and forging stock requiring high tensile and toughness values, particular in large cross sections in the hardened and tempered condition.

These products have been used typically for parts requiring a through-hardening capability up to 3.5 inches (89 mm) in nominal thickness at time of heat treatment but usage is not limited to such applications. E.g. highly stressed components and parts for the aircraft industry, Tracks, helicopter shafts, bolts and screws.

Método de obtención

Airmelted + VAR

Propiedades

- Acero al Cromo-Níquel-Molibdeno para aplicaciones que requieran altos niveles de resistencia y tenacidad a lo largo de toda su sección, en condiciones de templado y revenido

Aplicaciones

- > Elementos estructurales (Aerosp.)
- > Automoción
- > Otros componentes aeroespaciales
- > Carreras automovilísticas

Datos técnicos

Designación		Estándares	
300M	Market grade	6417	AMS
K44220	UNS		

Composición Química

C	Si	Mn	P	S	Cr	Mo	Ni	V	Cu
0,38 a 0,43	1,45 a 1,80	0,60 a 0,90	máx. 0,010	máx. 0,010	0,70 a 0,95	0,30 a 0,50	1,65 a 2,00	0,05 a 0,10	máx. 0,35

Related to AMS 6417

Estado de suministro

recocido

Dureza (HB) máx. 311 | Hot finished and annealed, above 12.7 mm diameter

recocido

Resistencia a la tracción (MPa) máx. 1.027 | Cold finished and annealed, max 12.7 mm diameter

Barras redondas

Diámetro mm			MOQ kg	Longitud m			Tolerancia
FORZADO							
12,50	-	55,00	1.200	3,00	-	4,00	IT h/k 11
55,01	-	120,00	2.500	3,00	-	4,00	IT h/k 11
120,01	-	140,00	2.500	3,00	-	5,00	IT h/k 14
FORJADO							
140,01	-	203,20	2.200	2,00	-	5,00	IT h/k 14
203,21	-	254,00	3.500	2,00	-	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.