

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

## Application Segments

Aerospace

Automotive

## Formatos disponibles

Productos largos

## Descripción

BÖHLER V358 in the British Standard Aerospace Series is a 3% Cr-Mo-V nitriding steel offering a tensile strength of 1,320-1,470 MPa, combined with excellent hardenability for high core strength and develops a hard wear resistant case after surface treatment. The alloy is produced by vacuum arc remelting. (VAR)

Typical applications are gear shafts and crankshafts with maximum diameter of 70mm for the aircraft industry and automotive components.

## Método de obtención

Airmelted + VAR

## Aplicaciones

- > Otros componentes aeroespaciales
- > Automoción
- > Elementos estructurales (Aerosp.)
- > Carreras automovilísticas
- > Componentes de turbinas y motores (Aerosp.)

## Datos técnicos

Designación		Estándares	
E40CDV12	Market grade	S132	BS
1.8523	SEL		
40CrMoV13-9	EN		

## Composición Química

C	Si	Mn	P	S	Cr	Mo	Ni	V	Sn
0,35 a 0,43	0,10 a 0,35	0,40 a 0,70	máx. 0,020	máx. 0,020	3,0 a 3,5	0,80 a 1,10	máx. 0,30	0,15 a 0,25	máx. 0,030

Related to BS S132

## Estado de suministro

### recocido

Dureza (HB)	máx. 277
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### Barras redondas

Diámetro mm		MOQ kg	Longitud m		Tolerancia	
<b>FORZADO</b>						
5,01	-	12,49	1.100	3,00	- 4,00	IT h/k 11
12,50	-	55,00	1.250	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
<b>FORJADO</b>						
140,01	-	203,20	2.200	3,00	- 5,00	IT h/k 14

For additional specifications and other sizes please contact BÖHLER Edelstahl - Special Materials Aerospace & Land Based Turbine

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.