

Material specification sheet

Saarstahl - 33MnCrB5-2

Material No.: Former brand name: International steel grades:

1.7185

BS:
AFNOR:
SAE:

Material group: Steel for quenching and tempering according to DIN EN 10083

Chemical composition: (Typical analysis in %)	C	Si	Mn	P	S	Cr	B
	0,30	<0,40	1,20	<0,035	<0,040	0,30	0,0008
	0,36		1,50			0,60	0,0050

Application: Boron alloyed heat treatable steel

Hot forming and heat treatment:

Forging or hot rolling:	-
Normalising:	-
Soft annealing:	-
Hardening:	880°C
Quenching:	water max. 52 mm Ø, oil max. 43 mm Ø

Mechanical Properties: Core hardness for an amount of 80 % martensite: 42 HRC