

Material specification sheet

Saarstahl - 100CrMo7-3

Material No.:	Former brand name:	International steel grades:
1.3536	RW5	BS: AFNOR: SAE:

Material group: Ball and roller bearing steel according to EN ISO 683-17

Chemical composition: (Typical analysis in %)	C	Si	Mn	Cr	Mo
	1,00	0,30	0,70	1,80	0,30

Application: Ball and roller bearing steel for heavy rings and rollers over 50 mm effective thickness.

Hot forming and heat treatment:	Forging or hot rolling:	1100 - 850°C
	Normalising:	880 - 910°C/air
	Soft annealing:	750 - 800°C/furnace
	Hardening:	840 - 880°C/oil
	Tempering:	150 - 180°C

Mechanical Properties:	Soft annealed +A:	max. 217 HB
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Heat treatment condition:	Hardened and tempered
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Surface hardness [HRC]:	ca. 62
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