

Quality 60SiCr8



According to Standard UNI 3545 : 1980

Number 1.7108

Comparable Standards	German DIN	France AFNOR	Spain UNE	China GB	U.K. B.S.	Russia GOST	USA AISI - SAE	Japan JIS
	60SiCr7	61SC7	F.1442	60Si2CrA	-	60S2G , 60XLC2A	9261H / 9262	-
Chemical Analysis	C% max	Si% max	Mn% max	P% max	S% max	Cr%		
	0.57 - 0.64	1.70 - 2.20	0.70 - 1.00	0.035	0.035	0.25 - 0.40		

Hot Work and Heat Treatment Temperatures

Temperature °C

Hot - Forming	Supply State +U	Soft Annealing +A	End Quench Hardenability test	Normalising	Quenching	Hot Moulding	Tempering	Isothermal Annealing
1050 - 850		680 - air (HB max 225)	850	870 air	830 - 860	920 - 830	430 - 480	820 furnace cooling to 720 , then air (HB max 250)
			Water		oil or polymer		air	

Mechanical Properties at Room Temperature

Hot Rolled Mechanical Properties after Quenched at 860°C in oil & Tempering at 450°C air EN 10089 - 2002

Size d/t		Testing at Room Temperature (Longitudinal)				
mm		R	Rp 0.2	A%	HB	DVM
From	To	N/mm2	N/mm2	min.		J min.
	10	1450 - 1700	1250	5	415 - 467	21