


Quality	20MnVS6				
According to standards	Werkstoff				
Number	1.5217				
Equivalent	Italy UNI	China GB	Germany DIN	UK	USA AISI/SAE
	20MnVS6	20MV	1.5217 (1.8915 StE 460)	GR 55C	A 381
Chemical composition					
C% max	Si%	Mn%	P% max	S% max	Cr% max
0.16-0.22	0.15-0.45	1.30-1.70	0.025	0.020-0.040	0.50
	Mo% max	Ni% max	V% max	Al%	
	0.15	0.30	0.10-0.20	0.020-0.050	
Temperature O°C					
Hot-forming	Quenching	Tempering	Stress Relieving	Carbonitriding	
1100-850	880-930	550-650	50°C under the temperature of tempering	870-880 gas tempering 150-200	
	oil or polymer	air		HRC 60	
Mechanical properties					
Hot Rolled untreated state +U					
Size (MM)	Testing (longitudinal)				
From to	R (N/mm² min)	Rp 0.2 N/mm²	A% min	C reduct	HB
25	580	450	16		172
25 to 80	550	420	16		159
80	530	380	16		156
Hot-Rolled normalized +N					
Size (MM)	Testing at room temperature (longitudinal)				
From to	R (N/mm² min)	Rp 0.2 N/mm²	A% min	C reduct	HB
25	580	450	18		172
25 to 80	550	430	18		159
80	530	390	18		156