

SPRING AND CHAIN STEEL

		Indicative chemical analyses										
Grade	W. Nr.	C	Mn	Si	S	P	Al	Cr	Mo	Ni	V	Cu
25CrMo4	1.7218	0.22	0.60	-	-	-	0.02	0.90	0.15	-	-	-
		0.28	0.90	0.40	0.025	0.025	0.05	1.20	0.30	-	-	-
41CrAl-Mo7	1.8509	0.38	0.50	0.20	-	-	0.95	1.40	0.30	-	-	-
		0.43	0.70	0.40	0.025	0.025	1.30	1.80	0.40	-	-	-
45Si-CrV6-2	1.8151	0.40	0.60	1.30	-	-	-	0.40	-	-	0.10	-
		0.50	0.90	1.70	0.025	0.025	-	0.80	-	0.20	0.20	0.20
51CrV4	1.8159	0.51	0.70	0.15	-	-	-	0.90	-	-	0.10	-
		0.55	1.10	0.30	0.025	0.025	-	1.20	-	0.20	0.20	0.20
52SiCrNi5	1.7117	0.52	0.70	1.20	-	-	-	0.70	-	0.50	-	-
		0.56	0.90	1.50	0.025	0.025	-	1.00	-	0.70	-	0.20
54SiCr6	1.7102	0.52	0.50	1.20	-	-	-	0.50	-	-	-	-
		0.58	0.80	1.60	0.025	0.025	-	0.80	-	0.20	-	0.20
54SiCrV6	1.8152	0.51	0.50	1.20	-	-	-	0.50	-	-	0.10	-
		0.59	0.80	1.60	0.025	0.025	-	0.80	-	0.20	0.20	0.20

Grade	Indicative mechanical characteristics						Destination
	(+AC+C)			(+U+C+AC+LC)			
	Rm (MPa)	A5%	Z%	Rm (MPa)	A5%	Z%	
25CrMo4	-	-	-	500	30	60	High strength chains
	-	-	-	600	-	-	
41CrAlMo7	900	-	-	-	-	-	Transmission chains with deep nitriding
	1000	-	-	-	-	-	
45SiCrV6-2	800	-	-	-	-	-	Hardened springs after winding
	900	-	-	-	-	-	
51CrV4	650	-	-	-	-	-	Hardened springs after winding
	750	-	-	-	-	-	
52SiCrNi5	-	-	-	750	-	-	Hardened springs after winding
	-	-	-	950	-	-	
54SiCr6	750	-	-	-	-	-	Hardened springs after winding
	950	-	-	-	-	-	
54SiCrV6	750	-	-	-	-	-	Hardened springs after winding
	950	-	-	-	-	-	