

Material main group	Material sub-group	Quality	StNr	DIN	AFNOR	UNI	BS	JIS	SS	GOST	UNS	USA		
1 Machining, constructional and spring steel	1.3 Spring steel	hard materials for spring steel	1.2101	62 SiMnCr 4										
			1.2103	58 SiCr 8										
			1.7103	67 SiCr 5										
			1.7176	55 Cr 3	55 C 3	55 Cr 3	527 A 60	SUP 9 (A)	2253	50ChGA	G 51550	5155		
			1.8159	50 CrV 4	50 CV 4	51 CrV 4	735 A 50	SUP 10	2230	50ChGFA	G 61500	6150		
2 Cementation, nitriding and tempered steel	2.1 Cementation steel	2.1.1 up to 150 HB	1.0301	C 10	AF 34 C 10; XC 10	C 10	045 M 10	S 10 C		10	G 10100	1010		
			1.0401	C 15	AF3 7 C 12; XC 18	C 15; C 16	080 M 15		1350		G 10170	1015		
			1.1121	Ck 10	XC 10	C 10	045 M 10	S 10 C; S 9 CK	1265	08; 10	G 10100	1010		
			1.1141	Ck 15	XC 15; XC 18	C 15; C 16	080 M 15	S 15 C; S 15 CK	1370	15	G 10170	1015		
			1.7012	13 Cr 2										
			1.7015	15 Cr 3	12 C 3		523 M 15	SCR 415 (H)		15Ch	G 50150	5015		
		2.1.2 150 - 200 HB	2.1.3 above 200 HB	1.5732	14 NiCr 10	14 NC 11	16 NiCr 11			SNC 415 (H)				3415
				1.5752	14 NiCr 14	12 NC 15		655 M 13	SNC 815 (H)			G 33106	3310; 9314	
				1.5860	14 NiCr 18									
				1.5919	15 CrNi 6	16 NC 6	16 CrNi 4	S 107						
				1.5920	18 CrNi 8	20 NC 6								
				1.6523	21 NiCrMo 2	20 NCD 2	20 NiCrMo 2	805 M 20	SNM 220 (H)	2506			G 86170	8620
				1.6587	17 CrNiMo 6	18 NCD 6	18 NiCrMo 7	820 A 16						
				1.7131	16 MnCr 5	16 MC 4	16 MnCr 5	527 M 17	SCR 415	2511	18ChG	G 51170	5115	
				1.7139	16 MnCrS 5									
				1.7147	20 MnCr 5	20 MC 5	20 MnCr 5		SMnC 420 (H)		18ChG	G 51200	5120	
				1.7149	20 MnCrS 5									
				1.7262	15 CrMo 5	12 CD 4	12 CrMo 4		SCM 415 (H)					
	1.7264	20 CrMo 5	18 CD 4			SCM 421								
	1.7271	23 CrMoB 3 3												
	1.7311	20 CrMo 2												
	1.7321	20 MoCr 4												
	1.7323	20 MoCrS 4												
	1.7325	25 MoCr 4												
	1.7326	25 MoCrS 4												
	2.2 Nitriding steel	2.2.1 up to 1000 N/mm ²	1.8504	34 CrAl 6										
			1.8506	34 CrAlS 5								K 23745		
			1.8507	34 CrAlMo 5	30 CAD 6.12	34 CrAlMo 7	905 M 31					K 23545	A 355 Cl. D	
			1.8509	41 CrAlMo 7	40 CAD 6.12	41 CrAlMo 7	905 M 39	SACM 645	2940	38ChMJuA	K 24065	A 355 Cl. A		
			1.8515	31 CrMo 12	30 CD 12	31 CrMo 12	722 M 24		2240					
			1.8519	31 CrMoV 9										
		1.8521	15 CrMoV 5 9											
		1.8523	39 CrMoV 13 9		36 CrMoV 13 9	897 M 39								
1.8550		34 CrAlNi 7									K 52440			
2.3 Tempered steel	2.3.1 non alloyed up to 800 N/mm ²	1.0402	C 22	AF 42 C 20	C 20; C 21	050 A 20			1450	20	G 10200	1020		
		1.0406	C 25	AF 50 C 30	C 25	070 M 26						1025		
		1.0501	C 35	AF 55 C 35	C 35	060 A 35		1550	35	G 10350	1035			
		1.0503	C 45	AF 65 C 45	C 45	080 M 46		1650	45	G 10430	1045			
		1.0511	C 40	AF 60 C 40	C 40							1040		
		1.0528	C 30											
		1.1151	Ck 22	XC 25; XC 18	C 20	050 A 20	S 20 C; S 20 CK		20			1023		
		1.1158	Ck 25	XC 25	C 25	070 M 26	S 25 C		25	G 10250	1025			
		1.1178	Ck 30											
		1.1181	Ck 35	XC 38 H1;XC 32	C 35	080 M 36	S 35 C	1572	35	G 10340	1035			
		1.1186	Ck 40	XC 42 H1	C 40	080 M 40	S 40 C		40			1040		
		1.1191	Ck 45	XC 42	C 45	080 M 46	S 45 C	1672	45	G 10420	1045			