

Steel grades

Product	Standard	Material number	Abbreviated designation	former abbreviated designation or similar
Structural steel	DIN EN 10025	1.0117	S235J2	
		1.0145	S275J2	
		1.0577	S355J2	
		1.0590	S450J0	
		1.0490	S275N	
		1.0545	S355N	
		1.8902	S420N	
		1.8901	S460N	
Quenched and tempered steel	DIN EN 10083	1.0501	C35	
		1.0511	C40	
		1.0503	C45	
		1.0535	C55	
		1.0601	C60	
		1.1151	C22E	Ck22
		1.1149	C22R	Cm22
		1.1181	C35E	Ck35
		1.1180	C35R	Cm35
		1.1186	C40E	Ck40
		1.1189	C40R	Cm40
		1.1191	C45E	Ck45
		1.1201	C45R	Cm45
		1.1206	C50E	Ck50
		1.1241	C50R	Cm50
		1.1203	C55E	Ck55
		1.1209	C55R	Cm55
		1.1221	C60E	Ck60
		1.1223	C60R	Cm60
		1.1170	28Mn6	
		1.7003	38Cr2	
		1.7006	46Cr2	
		1.7033	34Cr4	
		1.7037	34CrS4	
		1.7034	37Cr4	
		1.7038	37CrS4	
		1.7035	41Cr4	
		1.7039	41CrS4	
		1.7218	25CrMo4	
		1.7213	25CrMoS4	
		1.7220	34CrMo4	
		1.7226	34CrMoS4	
1.7225	42CrMo4			
1.7227	42CrMoS4			
1.7228	50CrMo4			
1.6582	34CrNiMo6			
1.6580	30CrNiMo8			
1.5815	35NiCr6			
1.6510	39NiCrMo3			

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		1.8159	51CrV4	50CrV4
		1.5530	20MnB5	
		1.5531	30MnB5	
		1.5532	38MnB5	
		1.7182	27MnCrB5-2	
		1.7185	33MnCrB5-2	
		1.7189	39MnCrB6-2	
Case-hardened steel	DIN EN 10084	1.1121	C10E	Ck10
		1.1207	C10R	
		1.1141	C15E	Ck15
		1.1140	C15R	Cm15
		1.1148	C16E	
		1.1208	C16R	
		1.7016	17Cr3	
		1.7014	17CrS3	
		1.7030	28Cr4	
		1.7036	28CrS4	
		1.7131	16MnCr5	
		1.7139	16MnCrS5	
		1.7160	16MnCrB5	
		1.7147	20MnCr5	
		1.7149	20MnCrS5	
		1.7243	18CrMo4	
		1.7244	18CrMoS4	
		1.7333	22CrMoS3-5	22CrMoS35
		1.7320	20MoCr3	
		1.7319	20MoCrS3	
		1.7321	20MoCr4	
		1.7323	20MoCrS4	
		1.5714	16NiCr4	
		1.5715	16NiCrS4	
		1.5805	10NiCr5-4	
		1.5810	18NiCr5-4	
		1.5918	17CrNi6-6	
		1.5752	15NiCr13	
		1.6523	20NiCrMo2-2	21NiCrMo2
		1.6526	20NiCrMoS2-2	21NiCrMoS2
		1.6566	17CrNiMo6-4	
		1.6569	17CrNiMoS6-4	
		1.6571	20NiCrMoS6-4	
		1.6587	18CrNiMo7-6	
		1.6657	14NiCrMo13-4	
		1.6660	20NiCrMo13-4	
Nitriding steel	DIN EN 10085	1.8516	24CrMo13-6	
		1.8515	31CrMo12	

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		1.8519	31CrMoV9	
		1.8522	33CrMoV12-9	
		1.8550	34CrAlNi7-10	34CrAlNi7
		1.8509	41CrAlMo7-10	
Free-cutting steel	DIN EN 10087	1.0715	11SMn30	9S-Mn28
		1.0736	11SMn37	9SMn36
		1.0721	10S20	
		1.0725	15SMn13	
		1.0726	35S20	
		1.0764	36SMn14	
		1.0760	38SMn28	
		1.0762	44SMn28	
		1.0727	46S20	
Spring steel	DIN EN 10089	1.5023	38Si7	
		1.5024	46Si7	
		1.5026	56Si7	
		1.7176	55Cr3	
		1.7177	60Cr3	
		1.7102	54SiCr6	
		1.7106	56SiCr7	
		1.7108	61SiCr7	60SiCr7
		1.8159	51CrV4	50CrV4
		1.8151	45SiCrV6-2	
		1.8152	54SiCrV6	
		1.8153	60SiCrV7	
		1.8062	45SiCrMo6	
		1.8063	50SiCrMo6	
		1.7117	52SiCrNi5	
		1.7701	52CrMoV4	51CrMoV4
		1.7239	60CrMo3-1	
		1.7240	60CrMo3-2	
		1.7241	60CrMo3-3	
Chain steel	DIN 17115	1.0468	15Mn4	15Mn3Al
		1.0469	18Mn4	
		1.0470	21Mn4	21Mn4Al
		1.0495	21Mn5	
		1.0472	21MnSi5	
		1.0450	24MnSi6	
		1.0412	27MnSi6	27MnSi5
		1.5919	15CrNi6	
		1.6522	20MnNiCrMo3-2	20NiCrMo2
		1.6527	20MnNiCrMo3-3	20NiCrMo3
		1.6541	23MnNiCrMo5-2	23MnNiCrMo52
		1.6540	23MnNiCrMo5-3	23MnNiCrMo53
		1.6758	23MnNiMoCr5-4	23MnNiMoCr54

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Cold heading steel Cold extruded steel	DIN EN 10263	1.0314	C2C	
		1.0303	C4C	QSt 32-3
		1.0213	C8C	QSt 34-3
		1.0214	C10C	QSt 36-3
		1.0234	C15C	QSt 38-3
		1.0434	C17C	
		1.0411	C20C	
		1.0513	8MnSi7	
		1.1122	C10C2C	Cq10
		1.1132	C15C2C	Cq15
		1.1147	C17C2C	
		1.1152	C20C2C	Cq22
		1.5501	15B2	
		1.5503	18B2	
		1.5521	18MnB4	
		1.5522	22MnB4	
		1.7016	17Cr3	
		1.7014	17CrS3	
		1.7131	16MnCr5	
		1.7139	16MnCrS5	
		1.7160	16MnCrB5	
		1.7149	20MnCrS5	
		1.7201	12CrMo4	
		1.7243	18CrMo4	
		1.7244	18CrMoS4	
		1.7321	20MoCr4	
		1.7323	20MoCrS4	
		1.5805	10NiCr5-4	
		1.5701	12NiCr3-2	
		1.5918	17CrNi6-6	
		1.6523	20NiCrMo2-2	21NiCrMo2
		1.6526	20NiCrMoS2-2	21NiCrMoS2
		1.6571	20NiCrMoS6-2	
		1.1172	C35EC	Cq35
		1.1060	C35RC	
		1.1192	C45EC	Cq45
		1.1061	C45RC	
		1.5418	37Mo2	
		1.7003	38Cr2	
		1.7006	46Cr2	
		1.7033	34Cr4	
		1.0734	37Cr4	
		1.7035	41Cr4	
		1.7039	41CrS4	
		1.7218	25CrMo4	
		1.7213	25CrMoS4	
		1.7220	34CrMo4	
		1.7202	37CrMo4	

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Product	Standard	Material number	Abbreviated designation	Former abbreviated designation or similar
		1.6563	41NiCrMo7-3-2	34CrNiMo6
		1.5502	17B2	
		1.5508	23B2	22B2
		1.5510	28B2	
		1.5514	33B2	
		1.5515	38B2	
		1.5520	17MnB4	
		1.5525	20MnB4	
		1.5535	23MnB4	
		1.5536	27MnB4	
		1.5526	30MnB4	
		1.5537	36MnB4	
		1.5538	37MnB5	
		1.5408	30MoB1	
		1.7076	32CrB4	
		1.7077	36CrB4	
		1.7272	31CrMoB2-1	
Roller bearing steel	DIN EN ISO 683-17	1.3505	100Cr6	
		1.3518	100CrMnSi4-4	
		1.3520	100CrMnSi6-4	100CrMn6
		1.3519	100CrMnSi6-6	
		1.3537	100CrMo7	
		1.3536	100CrMo7-3	
		1.3538	100CrMo7-4	
		13559	20Cr3	
		1.7027	20Cr4	
		1.3515	20MnCr4-2	
		1.3521	17MnCr5	
		1.3523	19MnCr5	
		1.3566	15CrMo4	
		1.3567	20CrMo4	
		1.3570	20MnCrMo4-2	
		1.6522	20NiCrMo2	
		1.3576	20NiCrMo7	
		1.6587	18CrNiMo7-6	
		1.1219	C56E2	Cf54
		1.1233	56Mn4	
		1.1244	70Mn4	
		1.3563	43CrMo4	
Flame and induction hardening steel	DIN 17212 (invalid)	1.1183	Cf35	
		1.1193	Cf45	
		1.1213	Cf53	
		1.1249	Cf70	
SAH programme	VW grades		VW1241	
			VW1427	
			VW4125	
			VW4213	
			VW4217	

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Product	Standard	Material number	Abbreviated designation	Former abbreviated designation or similar		
SAH programme	VW grades		VW4221			
			VW4227			
			VW4521			
SAH programme	ZF grades		ZF35M			
			ZF49			
			ZF50			
			ZF6			
			ZF1			
			ZF1A			
			ZF5H			
			ZF60A			
			ZF7			
			ZF7B			
			ZF34			
		Tool steel	DIN EN ISO 4957		C45U	
					C70U	
	C80U					
	C90U					
	C105U					
	C120U					
	105V					
	102Cr6					
	21MnCr5					
AFP-steel	DIN EN 10267	1.1301	19MnVS6			
		1.1302	30MnVS6			
		1.1303	38MnVS6			
		1.1304	46MnVS6			
		1.1305	46MnVS3			