

## CONFRONTO DELLE QUALITÀ DEGLI ACCIAI RISPETTO ALLE DESIGNAZIONI PRECEDENTI

Comparison of steel grades with previous designation

Vergleich von Stahlsorten mit früheren Bezeichnungen

Comparaison des nuances d'acier avec les désignations précédentes

Comparación de grados de acero con las designaciones anteriores

Designazione attuale Current designation Aktuelle Kennzeichnung Désignation actuelle Designación actual		Designazioni precedenti Previous designation Vorherige Kennzeichnungen Désignations précédentes Designaciones anteriores		Germany	France	United Kingdom	Spain	Italy	Belgium	Sweden	Austria	Norway	
EN 10025-2:2004		EN 10025:1990+A1:1993	EN 10025:1990	DIN 17100	NFA 35-501	BS 4360	UNE 36-080	UNI 7070	NBNA 21-101	SS 14	M 3116		
<b>S185</b>	1.0035	S185	1.0035	Fe 310-0	St 33	A 33	A 310-0	Fe 320	A 320	13 00-00	St 320		
		S235JR	1.0037	Fe 360 B	St 37-2	E 24-2		Fe 360 B	AE 235-B	13 11-00		NS 12 120	
		S235JRG1	1.0036	Fe 360 BFU	Ust 37-2		AE 235 B-FU				Ust 360 B	NS 12 122	
<b>S235JR</b>	1.0038	S235JRG2	1.0038	Fe 360 BFN	RSt 37-2	40 B	AE 235 B-FN			13 12-00	RSt 360 B	NS 12 123	
<b>S235J0</b>	1.0114	S235J0	1.0114	Fe 360 C	St 37-3 U	E 24-3	40 C	AE 235 C	Fe 360 C	AE 235-C	St 360 C	NS 12 124	
											St 360 CE		
*	*	S235J2G3	1.0116	Fe 360 D1	St 37-3 N	E 24-4	40 D	AE 235 D	Fe 360 D	AE 235-D	St 360 D	NS 12 124	
<b>S235J2</b>	1.0117	S235J2G4	1.0117	Fe 360 D2	--								
<b>S275JR</b>	1.0044	S275JR	1.0044	Fe 430 B	St 44-2	E 28-2	43 B	AE 275 B	Fe 430 B	AE 255-B	14 12-00	St 430 B	NS 12 142
<b>S275J0</b>	1.0143	S275J2G3	1.0143	Fe 430 C	St 44-3 U	E 28-3	43 C	AE 275 C	Fe 430 C	AE 255-C	St 430 C	NS 12 143	
											St 430 CE		
*	*	S275J2G3	1.0144	Fe 430 D1	St 44-3 N	E 28-4	43 D	AE 275 D	Fe 430 D	AE 255-D	14 14-00	St 430 D	NS 12 143
<b>S275J2</b>	1.0145	S275J2G4	1.0145	Fe 430 D2	--					14 14-01			
<b>S355JR</b>	1.0045	S355JR	1.0045	Fe 510 B	--	E 36-2	50 B	AE 355 B	Fe 510 B	AE 355-B			
<b>S355J0</b>	1.0553	S355J0	1.0553	Fe 510 C	St 52-3 U	E 36-3	50 C	AE 355 C	Fe 510 C	AE 355-C	St 510 C	NS 12 153	
*	*	S355J2G3	1.0595	Fe 510 D1	St 52-3 N		50 D	AE 355 D	Fe 510 D	AE 355-D	St 510 D	NS 12 153	
<b>S355J2</b>	1.0577	S355J2G4	1.0577	Fe 510 D2	--								
*	*	S355J2G3	1.0595	Fe 510 DD1	St 52-3 N'	E 36-4	50 DD			AE 355-DD			
<b>S355K2</b>	1.0596	S355J2G4	1.0596	Fe 510 DD2	--								
<b>E295</b>	1.0050	E295	1.0050	Fe 490-2	St 50-2	A 50-2	A 490	Fe 490	A 490-2	15 50-00 15 50-01	St 490		
<b>E355</b>	1.0060	E355	1.0060	Fe 590-2	St 50-2	A 60-2	A 590	Fe 590	A 590-2	16 50-00 16 50-01	St 590		
<b>E360</b>	1.0070	E360	1.0070	Fe 690-2	ST 70-2	A 70-2	A 690	Fe 690	A 690-2	16 55-00 16 55-01	St 690		
EN 10025-5:2004		EN 10155:1993	EU 155:1980	Germany	France	United Kingdom							
<b>S355J0W</b>	1.8959	S355J0W	1.8959	Fe 510 C2 KI	--	E 36 W B 3	WR50B						
*	*	S355J3G1W	1.8963	Fe 510 D2 KI	--		WR50C						
<b>S355J2W</b>	1.8965	S355J2G2W	1.8965	--	WTSt 52-3		--						
*	*	S355K2G1W	1.8966	--	--	E 36 W B 4	--						

\* when a product is delivered in "N" condition "+N" shall be added to the designation

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<b>EN 10083-2:2006</b>		<b>ISO 683-1:1987</b>								
<b>C35E</b>	1.1181	(C 35 E4)	(Ck 35)	1.1181	[XC 38 H1]	(080M36)	C35K F1130	(C35)	1572	-
<b>C35R</b>	1.1180	(C 35 M2)	Cm 35	1.1180	[XC 38 H1u]	-	C35K1 F1135(1)	(C35)	-	-
<b>C45E</b>	1.1191	(C 45 E4)	(Ck 45)	1.1191	[XC 48 H1]	(080M46)	C45K F1140	(C45)	1672	-
<b>C45R</b>	1.1201	(C 45 M2)	Cm 45	1.1201	[XC 48 H1u]	-	C45K1 F1145(1)	(C45)	-	-
<b>C55</b>	1.0535	(C55)	C 55	1.0535	[AF70C55]	-	-	(C55)	-	-
<b>C60</b>	1.0601	(C60)	C 60	1.0601	-	-	-	(C60)	-	-
<b>EN 10083-3:2006</b>		<b>ISO 683-1:1987</b>		<b>Germany</b>	<b>France</b>	<b>United Kingdom</b>	<b>Spain</b>	<b>Italy</b>	<b>Sweden</b>	<b>Finland</b>
<b>25CrMoS4</b>	1.7213	25CrMoS4	25CrMoS4	1.7213	25 CD 4 u	-	-	(25CrMo4)	-	-
<b>42CrMoS4</b>	1.7227	42CrMoS4	42CrMoS4	1.7227	42 CD 4 u	-	40CrMo41 F1257(1)	(42CrMo4)	-	-
<b>50CrMo4</b>	1.7228	50CrMo4	50CrMo4	1.7228	-	-	-	-	-	-
<b>34CrNiMo6</b>	1.6582	(36CrNiMo6)	(34CrNiMo6)	1.6582	-	(817M40)	-	-	2541	-
<b>30CrNiMo8</b>	1.6580	(31CrNiMo8)	30CrNiMo8	1.6580	30 CND 8	[823M30]	-	-	-	-
<b>39NiCrMo3</b>	1.6510	-	-	1.6510	-	-	-	(39NiCrMo3)	-	-
<b>51CrV4</b>	1.8159	(51CrV4)	51CrV4	1.8159	(50CV 4)	[735A50]	51CrV4 F1430	(50CrV4)	-	-
<b>EN 10084:2008</b>		<b>ISO 683-11:1987</b>		<b>Germany</b>	<b>France</b>	<b>United Kingdom</b>	<b>Spain</b>	<b>Italy</b>	<b>Sweden</b>	<b>Finland</b>
<b>C10E</b>	1.1121	C10	Ck10	1.1121	XC10	045M10	C10k	C10	-	-
<b>C10R</b>	1.1207	-	-	-	-	-	-	-	-	-
<b>C15E</b>	1.1141	C15E4	Ck 15	1.1141	-	-	C16K	C15	-	505
<b>C15R</b>	1.1140	C15M2	Cm15	1.1140	-	-	C16K-1	-	SS1370	-
<b>16MnCrS5</b>	1.7139	16MnCrS5	16MnCrS5	1.7139	-	-	16MnCr5-1	-	SS2127	-
<b>20MnCrS5</b>	1.7149	20MnCrS5	20MnCrS5	1.7149	-	-	-	-	-	-
<b>20NiCrMoS2-2</b>	1.6526	20NiCrMoS2	21NiCrMoS2	1.6526	-	-	20NiCrMo2-1	20NiCrMoS2	SS2506	-
<b>17NiCrMo6-4</b>	1.6566	17NiCrMo6	-	-	18NCD6	815M17	-	18NiCrMo5	SS2523	-
<b>18CrNiMo7-6</b>	1.6587	18CrNiMo7	18CrNiMo6	1.6587	-	-	-	-	-	511

**Qualità fra parentesi significa che la composizione chimica differisce solo leggermente - qualità fra parentesi quadre significa che la composizione chimica differisce in modo significativo / steel grade given in round brackets means the chemical composition differs only slightly - steel grade given in square brackets means the chemical composition differs significantly / stahlbezeichnung in runden Klammern die chemische Zusammensetzung unterscheidet sich nur geringfügig- stahlbezeichnung in eckigen Klammern die chemische Zusammensetzung unterscheidet sich deutlich / nuance d'acier entre parenthèses la composition chimique ne diffère que légèrement - nuance d'acier entre crochets la composition chimique diffère de façon significative / grado de acero entre paréntesis la composición química difiere ligeramente - grado de acero entre corchetes la composición química difiere significativamente.**