

## Die neuen Werkstoff-Kurznamen nach DIN EN

Werkstoff Nr.	Kurzname alt	Kurzname NEU	Werkstoff Nr.	Kurzname alt	Kurzname NEU	Werkstoff Nr.	Kurzname alt	Kurzname NEU
-	St 45.8 (ersetzt)	P265	<b>1.0715</b>	9 SMn 28	11SMn30	<b>1.4435</b>	X2CrNiMo 18 14 3	X2CrNiMo18-14-3
-	St 42.8 (ersetzt)	P265	<b>1.0718</b>	9 SMnPb 28	11SMnPb30	<b>1.4436</b>	X5CrNiMo17 13 3	X3CrNiMo17-13-3
-	-	X10CrMoVNb9-1	<b>1.0721</b>	10 S 20	10S20	<b>1.4438</b>	X2CrNiMo18 16 4	X2CrNiMo18-15-4
-	-	X10Ni9	<b>1.0722</b>	10 S Pb 20	10SPb20	<b>1.4460</b>	X4CrNiMo 27 5 2	X3CrNiMoN27-5-2
-	-	X11CrMo5+I	<b>1.0726</b>	35 S 20	35S20	<b>1.4462</b>	X2CrNiMoN22 5 3	X2CrNiMoN22-5-3
-	-	X12Ni5	<b>1.0727</b>	45 S 20	46S20	<b>1.4509</b>	X6CrTiNb 18	X2CrTiNb18
-	-	X20CrMoNiV11-1	<b>1.0728</b>	60 S 20	-	<b>1.4510</b>	X6CrTi 17	X3CrTi17
-	-	8CrMo5-5	<b>1.0736</b>	9 SMn 36	11SMn37	<b>1.4511</b>	X6CrNb 17	X3CrNb17
-	-	8MoB5-4	<b>1.0737</b>	9 SMnPb 36	11SMnPb37	<b>1.4512</b>	X6CrTi 12	X2CrTi12
-	-	9NiCuMoNb5-6-4	<b>1.0756</b>	35 SPb 20	35SPb20	<b>1.4520</b>	X1CrTi 15	X2CrTi17
-	-	11CrMo9-10+NT	<b>1.0757</b>	45 SPb 20	46SPb20	<b>1.4521</b>	X2CrMoTi 18 2	X2CrMoTi18-2
-	-	11MnNi4-2	<b>1.0760</b>	-	38SMn26	<b>1.4522</b>	X2CrMoNb 18 2	X2CrMoNb18-2
-	-	12MoCrV6-2-2	<b>1.0761</b>	-	38SMnPb26	<b>1.4532</b>	X7CrNiMoAl 15 7	X8CrNiMoAl15-7-2
-	-	13CrMo4-5+N	<b>1.0762</b>	-	44SMn28	<b>1.4541</b>	X6CrNiTi 18 10	X6CrNiTi18-10
-	-	13CrMo5-5	<b>1.0763</b>	-	44SMnPb28	<b>1.4542</b>	X5CrNiCuNb 17 4	X5CrNiCuNb16-4
-	-	13MnNi5-2	<b>1.0873</b>	-	DC06 [Fe P06]	<b>1.4550</b>	X6CrNiNb 18 10	X6CrNiNb18-10
-	-	20CrMoV13-5-5	<b>1.1103</b>	ESStE 255	S255NL1	<b>1.4558</b>	X2NiCrAlTi 32 20	X2NiCrAlTi32-20
-	-	26CrMo4-2	<b>1.1105</b>	ESStE 315	S315NL1	<b>1.4567</b>	X3CrNiCu 18 9 X	X3CrNiCu18-9-4
<b>1.0022</b>	St 01Z	-	<b>1.1121</b>	Ck 10	C10E	<b>1.4568</b>	X7CrNiAl 17 7	X7CrNiAl17-7
<b>1.0035</b>	St 33	S185	<b>1.1141</b>	Ck 15	C15E	<b>1.4577</b>	X3CrNiMoTi 25 25	X3CrNiMoTi25-25
<b>1.0039</b>	St 37-2	S235JRH	<b>1.1151</b>	Ck 22	C22E	<b>1.4592</b>	X1CrMoTi 29 4	X2CrMoTi29-4
<b>1.0044</b>	St 44-2	S275JR	<b>1.1158</b>	Ck 25	C25E	<b>1.4713</b>	X10CrAl 7	X10CrAlSi7
<b>1.0050</b>	St 50-2	E295	<b>1.1170</b>	28 Mn 6	28Mn6	<b>1.4724</b>	X10CrAl 13	X10CrAlSi13
<b>1.0060</b>	St 60-2	E335	<b>1.1178</b>	Ck 30	C30E	<b>1.4742</b>	X10CrAl 18	X10CrAlSi18
<b>1.0070</b>	St 70-2	E360	<b>1.1181</b>	Ck 35	C35E	<b>1.4762</b>	X10CrAl 24	X10CrAlSi25
<b>1.0114</b>	St 37-3U	S235J0	<b>1.1186</b>	Ck 40	C40E	<b>1.4821</b>	X20CrNiSi 25 4	X20CrNiSi25-4
<b>1.0226</b>	St 02Z	DX51D	<b>1.1191</b>	Ck 45	C45E	<b>1.4828</b>	X15CrNiSi 20 12	X15CrNiSi20-12
<b>1.0242</b>	StE 250-2Z	S250GD	<b>1.1203</b>	Ck 55	C55E	<b>1.4833</b>	X7CrNi 23 14	X7CrNi23-12
<b>1.0244</b>	StE 280-2Z	S280GD	<b>1.1206</b>	Ck 50	C50E	<b>1.4841</b>	X15CrNiSi 25 20	X15CrNiSi25-21
<b>1.0250</b>	StE 320-3Z	S320GD	<b>1.1221</b>	Ck 60	C60E	<b>1.4845</b>	X12CrNi 25 21	X12CrNi25-21
<b>1.0301</b>	C 10	-	<b>1.1241</b>	Cm 50	C50R	<b>1.4864</b>	X12NiCrSi 36 16	X12NiCrSi35-16
<b>1.0302</b>	C 10 Pb	-	<b>1.1750</b>	C 75 W	C75W	<b>1.4878</b>	X12CrNiTi 18 9	X10CrNiTi18-10
<b>1.0306</b>	St 06 Z	DX54D	<b>1.2067</b>	102 Cr 6	102Cr6	<b>1.5026</b>	55 Si 7	55Si7
<b>1.0312</b>	St 15	DC05 [Fe P05]	<b>1.3243</b>	S6-5-2-5	S 6-5-2-5	<b>1.5131</b>	50 MnSi 4	50MnSi4
<b>1.0319</b>	RRStE 210.7	L210GA	<b>1.3343</b>	S6-5-2	S 6-5-2	<b>1.5415</b>	15 Mo 3	16Mo3
<b>1.0322</b>	-	DX56D	<b>1.3344</b>	S6-5-3	S 6-5-3	<b>1.5530</b>	21 MnB 5	20MnB5
<b>1.0330</b>	St 12 [St 2]	DC01 [Fe P01]	<b>1.4000</b>	X6Cr 13	X6Cr13	<b>1.5531</b>	30 MnB 5	30MnB5
<b>1.0333</b>	USt 13	-	<b>1.4002</b>	X6CrAl 13	X6CrAl13	<b>1.5532</b>	38 MnB 5	38MnB5
<b>1.0338</b>	St 14 [St 4]	DC04 [Fe P04]	<b>1.4003</b>	X2Cr 11	X2CrNi12	<b>1.5637</b>	10 Ni 14	12Ni14
<b>1.0345</b>	H I	P235GH	<b>1.4005</b>	-	X12CrS13	<b>1.5710</b>	36 NiCr 6	36NiCr6
<b>1.0347</b>	RRSt 13 [RRSt 3]	DC03 [Fe P03]	<b>1.4006</b>	X10Cr 13	X12Cr13	<b>1.5715</b>	-	16NiCrS4
<b>1.0348</b>	UH I	P195GH	<b>1.4016</b>	X6Cr 17	X6Cr17	<b>1.5752</b>	14 NiCr 14	15NiCr13
<b>1.0350</b>	St 03Z	DX52D	<b>1.4021</b>	X20Cr 13	X20Cr13	<b>1.6210</b>	15 MnNi 6 3	15MnNi6-3
<b>1.0355</b>	St 05Z	DX53D	<b>1.4028</b>	X30Cr 13	X30Cr13	<b>1.6211</b>	16 MnNi 6 3	16MnNi6-3
<b>1.0356</b>	TTSt 35 N	P215NL	<b>1.4031</b>	X38Cr 13	X38Cr13	<b>1.6310</b>	20 MnMoNi 5 5	20MnMoNi5-5
<b>1.0358</b>	St 05 Z	-	<b>1.4034</b>	X46Cr 13	X46Cr13	<b>1.6311</b>	20 MnMoNi 4 5	20MnMoNi4-5
<b>1.0401</b>	C 15	-	<b>1.4037</b>	X65Cr 13	X65Cr13	<b>1.6341</b>	11 NiMoV 5 3	11NiMoV5-3
<b>1.0402</b>	C 22	C22	<b>1.4057</b>	X20CrNi 17 2	X17CrNi16-2	<b>1.6368</b>	15 NiCuMoNb 5	15NiCuMoNb5
<b>1.0403</b>	C 15 Pb	-	<b>1.4104</b>	X12CrMoS 17	X14CrMoS17	<b>1.6511</b>	36 CrNiMo 4	36CrNiMo4
<b>1.0406</b>	C 25	C25	<b>1.4105</b>	X4CrMoS 18	X6CrMoS17	<b>1.6523</b>	21 NiCrMo 2	21NiCrMo2-2
<b>1.0419</b>	St 52.0	L355	<b>1.4109</b>	X65CrMo 14	X70CrMo15	<b>1.6526</b>	21 NiCrMoS 2	21NiCrMoS2-2
<b>1.0425</b>	H II	P265GH	<b>1.4110</b>	X55CrMo 14	X55CrMo14	<b>1.6580</b>	30 CrNiMo 8	30CrNiMo8
<b>1.0429</b>	StE 290.7 TM	L290MB	<b>1.4112</b>	X90CrMoV 18	X90CrMoV18	<b>1.6582</b>	34 CrNiMo 6	34CrNiMo6
<b>1.0457</b>	StE 240.7	L245NB	<b>1.4113</b>	X6CrMo 17 1	X6CrMo17-1	<b>1.6587</b>	17 CrNiMo 6	18CrNiMo7-6
<b>1.0459</b>	RRStE 240.7	L245GA	<b>1.4116</b>	X45CrMoV 15	X50CrMoV15	<b>1.7003</b>	38 Cr 2	38Cr2
<b>1.0461</b>	StE 255	S255N	<b>1.4120</b>	X20CrMo 13	X20CrMo13	<b>1.7006</b>	46 Cr 2	46Cr2
<b>1.0473</b>	19 Mn 6	P355GH	<b>1.4122</b>	X35CrMo 17	X39CrMo17-1	<b>1.7016</b>	17 Cr 3	17Cr3
<b>1.0481</b>	17 Mn 4	P295GH	<b>1.4125</b>	X105CrMo 17	X105CrMo17	<b>1.7023</b>	38 CrS 2	38CrS2
<b>1.0484</b>	StE 290.7	L290NB	<b>1.4301</b>	X5CrNi 18 10	X5CrNi18-10	<b>1.7025</b>	46 CrS 2	46CrS2
<b>1.0486</b>	StE 285	P275N	<b>1.4303</b>	X5CrNi 18 12	X4CrNi18-12	<b>1.7030</b>	28 Cr 4	28Cr4
<b>1.0501</b>	C 35	C35	<b>1.4305</b>	X10CrNiS 18 9	X8CrNiS18-9	<b>1.7033</b>	34 Cr 4	34Cr4
<b>1.0503</b>	C 45	C45	<b>1.4306</b>	X2CrNi 19 11	X2CrNi19-11	<b>1.7034</b>	37 Cr 4	37Cr4
<b>1.0505</b>	StE 315	P315N	<b>1.4310</b>	X12CrNi 17 7	X10CrNi18-8	<b>1.7035</b>	41 Cr 4	41Cr4
<b>1.0511</b>	C 40	C40	<b>1.4311</b>	X2CrNiN 18 10	X2CrNiN18-10	<b>1.7036</b>	28 CrS 4	28CrS4
<b>1.0528</b>	C 30	C30	<b>1.4313</b>	X4CrNi 13 4	X3CrNiMo13-4	<b>1.7037</b>	34 CrS 4	34CrS4
<b>1.0529</b>	StE 350-3Z	S350GD	<b>1.4318</b>	X2CrNiN 18 7	X2CrNiN18-7	<b>1.7038</b>	37 CrS 4	37CrS4
<b>1.0535</b>	C 55	C55	<b>1.4335</b>	X1CrNi 25 21	X1CrNi25-21	<b>1.7039</b>	41 CrS 4	41CrS4
<b>1.0539</b>	StE 355N	S355NH	<b>1.4361</b>	X1CrNiSi 18 15	X1CrNiSi18-15-4	<b>1.7131</b>	16 MnCr 5	16MnCr5
<b>1.0540</b>	C 50	C50	<b>1.4362</b>	X2CrNiN 23 4	X2CrNiN23-4	<b>1.7139</b>	16 MnCrS 5	16MnCrS5
<b>1.0547</b>	St 52-3U	S355J0H	<b>1.4401</b>	X5CrNiMo17 12 2	X5CrNiMo17-12-2	<b>1.7147</b>	20 MnCr 5	20MnCr5
<b>1.0582</b>	StE 360.7	L360NB	<b>1.4404</b>	X2CrNiMo17 13 2	X2CrNiMo17-12-2	<b>1.7149</b>	20 MnCrS 5	20MnCrS5
<b>1.0601</b>	C 60	C60	<b>1.4410</b>	X10CrNiMo 18 9	X2CrNiMoN25-7-4	<b>1.7176</b>	55 Cr 3	55Cr3
<b>1.0710</b>	15 S 10	-	<b>1.4418</b>	X4CrNiMo 16 5	X4CrNiMo16-5-1	<b>1.7182</b>	27 MnCrB 5 2	27MnCrB5-2

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## Die neuen Werkstoff-Kurznamen nach DIN EN

Fortsetzung

Werkstoff Nr.	Kurzname alt	Kurzname NEU	Werkstoff Nr.	Kurzname alt	Kurzname NEU	Werkstoff Nr.	Kurzname alt	Kurzname NEU
1.7185	33 MnCrB 5 2	33MnCrB5-2	1.8550	34 CrAlNi 7	34CrAlNi7	1.8903	TStE 460	S460NL
1.7189	39 MnCrB 6 2	39MnCrB6-2	1.8807	13 MnNiMoV 5 4	13MnNiMoV5-4	1.8905	StE 460	P460N
1.7213	25 CrMoS 4	25CrMoS4	1.8812	18 MnMoV 5 2	18MnMoV5-2	1.8907	StE 500	S500N
1.7218	25 CrMo 4	25CrMo4	1.8815	18 MnMoV 6 3	18MnMoV6-3	1.8910	TStE 380	S380NL
1.7220	34 CrMo 4	34CrMo4	1.8821	StE 355 TM	P355M	1.8911	ESStE 380	S380NL1
1.7225	42 CrMo 4	42CrMo 4	1.8824	StE 420 TM	P420M	1.8912	TStE 420	S420NL
1.7226	34 CrMoS 4	34CrMoS4	1.8826	StE 460 TM	P460M	1.8913	ESStE 420	S420NL1
1.7227	42 CrMoS 4	42CrMoS4	1.8828	ESStE 420 TM	P420ML2	1.8915	TStE 460	P460NL1
1.7228	50 CrMo 4	50CrMo4	1.8831	ESStE 460 TM	P460ML2	1.8917	WStE 500	S500NL
1.7264	20 CrMo 5	20CrMo5	1.8832	TStE 355 TM	P355ML1	1.8918	ESStE 460	P460NL2
1.7321	20 MoCr 4	20MoCr4	1.8835	TStE 420 TM	P420ML1	1.8919	ESStE 500	S500NL1
1.7323	20 MoCrS 4	20MoCrS4	1.8837	TStE 460 TM	P460ML1	1.8930	WStE 380	P380NH
1.7333	22 CrMoS 3 5	22CrMoS3-5	1.8879	StE ...	P690Q	1.8932	WStE 420	P420NH
1.7335	13 CrMo 4 4	13CrMo4-5	1.8880	WStE ...	P690QH	1.8935	WStE 460	P460NH
1.7362	12 CrMo 19 5	12CrMo19-5	1.8881	TStE ...	P690QL1	1.8937	TStE 500	P500NH
1.7380	10 CrMo 9 10	10CrMo9-10	1.8882	10 MnTi 3	10MnTi3	1.8972	StE 415.7	L415NB
1.7383	-	11CrMo9-10	1.8888	ESStE ...	P690QL2	1.8973	StE 415.7 TM	L415MB
1.8159	50 CrV 4	51CrV4	1.8900	StE 380	S380N	1.8975	StE 445.7 TM	L450MB
1.8504	34 CrAl 6	34CrAl6	1.8901	StE 460	S460N	1.8977	StE 480.7 TM	L485MB
1.8519	31 CrMoV 9	31CrMoV9	1.8902	StE 420	S420N	1.8978	StE 550.7 TM	L555MB

## Härtevergleich

Rm (N/mm <sup>2</sup> )	HRC	HB30	HV10	Rm (N/mm <sup>2</sup> )	HRC	HB30	HV10
240		71	75	920	28	273	287
255		76	80	940	29	278	293
270		81	85	970	30	287	302
285		86	90	995	31	295	310
305		90	95	1020	32	301	317
320		95	100	1050	33	311	327
335		100	105	1080	34	319	336
350		105	110	1110	35	328	345
370		109	115	1040	36	337	355
385		114	120	1170	37	346	364
400		119	125	1200	38	354	373
415		124	130	1230	39	363	382
430		128	135	1260	40	372	392
450		133	140	1300	41	383	403
465		138	145	1330	42	393	413
480		143	150	1360	43	402	423
495		147	155	1400	44	413	434
510		152	160	1440	45	424	446
530		157	165	1480	46	435	458
545		162	170	1530	47	449	473
560		166	175	1570	48	460	484
575		171	180	1620	49	472	497
595		176	185	1680	50	488	514
610		181	190	1730	51	501	527
625		185	195	1790	52	517	544
640		190	200	1845	53	532	560
660		195	205	1910	54	549	578
675		199	210	1980	55	567	596
690		204	215	2050	56	584	615
705		209	220	2140	57	607	639
720		214	225	2180	58	622	655
740		219	230		59		675
755		223	235		60		698
770		228	240		61		720
785		233	245		62		745
800	22	238	250		63		773
820	23	242	255		64		800
835	24	247	260		65		829
860	25	255	268		66		864
870	26	258	272		67		900
900	27	266	280		68		940