



Low alloyed steel

European standard for base materials to be welded

The known DIN designations 1629, 1681, 17100, 17102, 17155 and 17172 have been replaced by EN standards. A summary of both old designations and their replacements is as follows:

Base materials	OLD DESIGNATION (DIN)		EN STANDARD (NEW)	
	DIN	designation	EN	designation
Pipe steel	DIN 1629 / 1630	St. 37.0	EN 10216-1	P235T1
		St. 37.4		P235T2
		St. 44.0		P275T1
		St. 44.4		P275T2
		St. 52.0		P355N

Cast steel	DIN 1681	GS-45	EN 10213	GP240R
		GS-52		GP240H T1/T2

Structural steel	DIN 17100	St. 33	EN 10025	S185
		St. 37-2		S235JR
		USt. 37-2		S235JRG1
		RSt. 37-2		S235JRG2
		St. 37-3U		S235J0
		St. 37-3N		S235J2G3
		St. 44-2		S275JR
		St. 44-3U		S275J0
		St. 44-3N		S275J2G3
		St. 52-3U		S355J0
		St. 52-3N		S355J2G3
		St. 50-2		E295
		St. 60-2		E335
		St. 70-2		E360

Fine grain steel	DIN 17 102	StE 285	EN 10028-3	P275N
		WStE 285		P275NH
		TStE 285		P275NL1
		ESTe 285		P275NL2
		StE 355		P355N
		WStE 355		P355NH
		TStE 355		P355NL1
		ESTe 355		P355NL2
		StE 460		P460N
		WStE 460		P460NH
		TStE 460		P460NL1
		ESTe 460		P460NL2
		StE 285 / -	EN 10113	S275N / S275M
		TStE 285 / -		S275NL / S275ML
		StE 355 / BStE 355 TM		S355N / S355M
		TStE 355 / BTStE355 TM		S355NL / S355ML
		StE 420 / BStE 420 TM		S420N / S420M
		TStE 420 / BTStE420 TM		S420NL / S420ML
		StE 460 / BStE 460 TM		S460N / S460M
		TStE 460 / BTStE460 TM		S460 NL / S460 ML



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	OLD DESIGNATION (DIN)		EN STANDARD (NEW)	
Base materials	DIN	designation	EN	designation
Boiler steel	DIN 17 155	H I	EN 10028-2	P235GH
		H II		P265GH
		17 Mn 4		P295GH
		19 Mn 6		P355GH
		15 Mo 3		16 Mo 3
		13 CrMo 4 4		13 CrMo 4-5
		10 CrMo 9 10		10 CrMo 9-10

Fine grain steel (high strength steel)	-	TStE 460 V	EN 10025	S460QL
		StE 500 V / TStE 500 V		S500Q / S500QL
		StE 550 V / TStE 550 V		S550Q / S550QL
		StE 620 V / TStE 620 V		S620Q / S620QL
		StE 690 V / TStE 690 V		S690Q / S690QL
		TStE 890 V / TStE 960 V		S890QL / S960QL

Fine grain steel (weather-resistant)		S235JRW-S355JRW	S235J2G3Cu-S355J2G3Cu
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	OLD DESIGNATION (DIN)		EN STANDARD (NEW)		API 5L
Base materials	DIN	designation	EN	designation	design.
Pipe steel	DIN 17 172	StE290.7	EN 10208-2	L240MB	X42
		StE290.7TM		L290MB	
		StE240.7		L240NB	
		StE290.7		L290NB	
		StE320.7		L320NB	X46
		StE360.7TM		L360MB	X52
		StE360.7		L360NB	
		StE385.7		L385NB	X56
		StE415.7		L415NB	
		StE415.7TM		L415MB	X60
		StE445.7TM		L445MB	X65
		StE480.7TM		L480MB	X70
		StE550.7TM		L550MB	X80

	DESIGNATION	EN STANDARD (NEW)
Ships plate	Grade A	S235JRS2
	Grade AH32	S315G1S
	Grade AH36	S355G1S
	Grade AH40	-
	Grade B	-
	Grade D	S235J2S1.0
	Grade DH32	S315G2S
	Grade DH36	S355G2S
	Grade DH40	-
	Grade E	S235J4S
	Grade EH32	EN 17102: P315N
	Grade EH36	S355G3S
	Grade EH40	-