



Below mentioned program overview gives an impression of the possibilities of GNS. Given the enormous diversity in dimensions there is only mention made of available qualities. The products are available in DIN and ASME / ANSI qualities and in many cases with certificates according to EN 10204, additional PMI tests etc.

Are you curious about the possibilities? Do not hesitate to contact us. We are always willing to help and would like to think along with you about your material needs. Our options will surprise you.

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1 Steel tubes & hollow sections; former and current description

1.1 Hot finished and cold formed tubes & hollow sections:

Materiaalnummer	Description according EN 10210 / 10219	Description according EU 25 (expired)	Description according DIN 17100 (expired)
1.0039	S235JRH	Fe 360 B	St 37-2
1.0149	S275J0H	Fe 430 C	St 44-3 U
1.0138	S275J2H	Fe 430 D	St 44-3 N
1.0576	S355J0H	Fe 510 C	St 52-3 U
1.0570	S355J0H	Fe 510 D	St 52-3 N
1.0493	S275NH	-	St E 285 N
1.0497	S275NLH	-	TSt E 355 N
1.0539	S355NH	-	St E 355 N
1.0549	S355NLH	-	TSt E 355 N
1.8953	S460NH	-	St E 460 N
1.8956	S460NLH	-	TSt E 460 N

Explanation of abbreviations:

S	=	Structural steel
JR	=	27 J impact strength at room temperature (+ 20 °C)
J0	=	27 J impact strength at a temperature of 0 °C
J2	=	27 J impact strength at a temperature of -20 °C
K2	=	40 J impact strength at a temperature of -20 °C
L	=	27 J impact strength at a temperature of -50 °C
H	=	Hollow sections



1.2 Boiler tubes for pressure purposes:

Material number	Description according EN 10028	Description according EU 28 / 113 (expired)	Description according DIN 17155 (expired)
1.0345	P235GH	Fe E 235 KWTD	H I
1.0425	P265GH	Fe E 265 KWTD	H II
1.5415	16 Mo 3	16 Mo3 KWTD	15 Mo 3
1.7335	13CrMo4-5	14 CrMo45 KWTD	10 CrMo 44
1.0562	P355N	FeE355KGTD	StE355
1.0565	P355NH	FeE355KWTD	WStE355

Explanation of abbreviations:

P	=	Steel for pressure purposes
P...GH	=	For use at high temperatures
P...N	=	For use at temperatures from -20° C until + 20 °C
P...NH	=	resistant to high temperatures
P...NL1	=	resistant to low temperatures
P...NL2	=	resistant to ultra low temperatures
(+U)	=	Untreated
+N	=	Normalized or normalized rolled