

**Nearest equivalent qualities and standards**

Material	Nearest equivalent qualities and standards		
	ASTM	API	BS
St 33	A53-Gr.A	5L-Gr A	1387
St35NBK (BK)			6323/4 CFS4
St45NBK (BK)			
St52NBK (BK)			6323/4 CFS5
RSt 34-2NBK (BK/BKM)	A513-1010		6323/5/6 ERW2/CEW2
RSt 37-2NBK (BK/BKM)	A513-1015		6323/5/6 ERW3/CEW3
St 44-2NBK (BK/BKM)	A513-1020		6323/5/6 ERW4/CEW4
St 52-3NBK (BK/BKM)	A513-1024/1524		6323/5/6 ERW5/CEW5
St 33	A53-Gr.A	5L-Gr A	
St 37.0	A53-Gr.B	5L-Gr B	3601-S 360
St 44.0	A106-Gr. B	5L-Gr. X42	3601-S 430
St 52.0	A381 Y52	5L-Gr. X52	
St 37.4		5L-Gr. B	3602 - S 360
St 44.4		5L-Gr. X42	3602 - S 430
St 52.4	A381 Y 52	5L-Gr. X52	6323/2/3-HFS5/HFW5
RSt 37.2	A500 Gr.A	5L- Gr.B	6323/2/3-HFS3/HFW3
St 37.3			6323/2/3-HFS3/HFW3
St 44.2	A500 Gr. B/A501	5L-Gr .X42	6323/2/3-HFS4/HFW4
St 44.3	A500 Gr. B/A501		6323/2/3-HFS4/HFW4
St 52.3	A252 Gr. 3	5L- Gr. X52	6323/2/3-HFS5/HFW5
St 35.8	A106 Gr.B/A192		3059/3602-S360
St 45.8	A106 Gr B/A210		3059/3602-S440-430
15 Mo 3	A335-P1		3059-243
13 Cr Mo 44	A335-P11/P12		3059/3604-620/621
10 Cr Mo 9 10	A335-P22		3059/3604-622-490
12 Cr Mo 19 5	A335-P5		3604-625
TT St 35N	A333 Gr.1/6		3603HFS410LT50
10 Ni 14	A333 Gr.3		3603HFS503LT100
A 53-Grade A		API-5LGr.A	3601-320/360
A 53-Grade B		API-5LGr.B	3601 - 430
A 106 Grade A		API-5LGr.A	3602/1-360
A 106 Grade B		API-5LGr.B	3602/1-430
A 179			3059/1 CFS320
A 333 Grade 6			3603HFS410LT50
A 333 Grade 3			3603HFS503LT100
A 335 Grade P1			
A 335 Grade P5			3604/1 625
A 335 Grade P11			3604/1 620-440
A 335 Grade P12			3604-621
A 335 Grade P22			3604-622
API-5L-Grade A	A53 Gr.A		3601-320/360
API-5L-Grade B PSL1	A53 Gr.B		3601-430
API-5L-Grade X42 PSL1			
API-5L-Grade X46 PSL1			
API-5L-Grade X52 PSL1	A381-Y52		
API-5L-Grade X56 PSL1			
API-5L-Grade X60 PSL1			
BS 3059/1-320	A192		
BS 3059/2-360	A192/A210 gr. A1		
BS 3601-ERW320	A53 Gr.A	5L-Gr A	
BS 3601-ERW360	A53 Gr.B	5L-Gr B	
BS 3601-ERW430	A53 Gr.B	5L-Gr B	
BS 3601-SAW430			
BS 3601-S360	A106 Gr.B	5L-Gr B	
BS 3601-S430	A106 Gr.B	5L-Gr B	
BS 3602/1-360	A106 Gr.B	5L-Gr B	
BS 3602/1-430	A106 Gr.B	5L-Gr B	
BS 3602/1-500 Nb			
BS 3602/2-430	A672B65/C65		
BS 3603-430LT	A333 Gr. 6		
BS 3603-503LT	A333 Gr. 3		
BS 3604/1 620-440	A335 P12		
BS 3604/1 621	A335 P11		
BS 3604/1 622	A335 P22		
BS 3604/1 625	A335 P5		

**Nearest equivalent qualities and standards**

Material	DIN	European Standards	Further standards
St 33		EN 10255	ISO-65/NEN3257
St35NBK (BK)		E235 EN 10305/1/4	
St45NBK (BK)			
St52NBK (BK)		E355 EN 10305/1/4	
RSt 34-2NBK (BK/BKM)		E215 EN 10305/2/3	TS34-2 -NF A49-643
RSt 37-2NBK (BK/BKM)		E235 EN 10305/2/3	TS37.2 -NF A49-643
St 44-2NBK (BK/BKM)		E275 EN 10305/2/3	TS42.2-NF A49-643
St 52-3NBK (BK/BKM)		E355 EN 10305/2/3	TS47.3 NF A49643
St 33		P195T, EN10217-1	
St 37.0		P235TR1-EN10216-1 / EN10217-1	A672B60 / L235 EN10224
St 44.0		P265TR1-EN10216-1 / EN10217-1	A672C65 / L265 EN10224
St 52.0		P355N-EN10216-3 / EN10217-3	L355 EN10224
St 37.4		P235TR2-EN10216-1 / EN10217-1	
St 44.4		P265TR2-EN10216-1 / EN10217-1	
St 52.4		P355N-EN10216-3 / EN10217-3	
RSt 37.2		S235JRH EN10210 / EN10219	St E255 DIN 17123/17124
St 37.3		St E255 DIN 17123/17124	
St 44.2		S275JRH EN10210 / EN10219	St E285DIN 17123/17124
St 44.3		S275J2H EN10210 / EN10219	St E285 DIN 17123/17124
St 52.3		S355J2H EN10210 / EN10219	St E355 DIN 17123/17124 AH36 (LRS)
St 35.8		P235GH / EN10216-2	TU37C NF A49-213/215
St 45.8		P265GH / EN10216-2	TU42.C NF A49-213/215
15 Mo 3		16Mo3 EN10216-2	TU15D3 NF A49-213/215
13 Cr Mo 44		13CrMo4-5 EN10216-2	TU13CD4-04 NF A49-213
10 Cr Mo 9 10		10CrMo9-10/11CrMo9.10 EN 10216-2	TU10CD9.10 NF A49-213
12 Cr Mo 19 5		X11CrMo5 EN10216-2	TUZ10CD5.05 NF A49-213
TT St 35N		P255 EN10216-4	TU42BT NF A49.215
10 Ni 14		12 Ni 14 - EN10216-4	TU10N14 NF A49215
A 53-Grade A	St.37.0	P195TR1 EN10216-1	
A 53-Grade B	St 44.0	P245/265TR1 EN10216-1/EN10217-1	
A 106 Grade A	St.35.8	P235GH EN10216-2	
A 106 Grade B	St.45.8	P265GH EN10216-2	
A 179	St35.8	P195GH EN 10216-2	
A 333 Grade 6	TT St35/TTSt41	P255 EN10216-4	TU42BT NF A49-230
A 333 Grade 3	10Ni14	12Ni14 EN10216-4	TU10N14 NF A49-230
A 335 Grade P1	15Mo3/16Mo5	16Mo3 EN10216-2	TU15D3 NF A49-213
A 335 Grade P5	12 CrMo 19 5	X11CrMo5 EN10216-2	TU Z 10CD5.05 NF A49-213
A 335 Grade P11	13 CrMo 44	13CrMo4-5 EN10216-2	TU13CD4.04 NF A49-213
A 335 Grade P12	13 CrMo 44	13CrMo4-5 EN10216-2	TU13CD4.04 NF A49-213
A 335 Grade P22	10 CrMo 9 10	10CrMo9-10/11 CrMo 9-10 EN10216-2	TU10CD9-10 NF A49-213
API-5L-Grade A	E210-7 DIN17172	L210 EN10208-1	TS E220 NF A49-400
API-5L-Grade B PSL1	E240-7 DIN17172	L245NB EN10208-2	TS E220 NF A49-400
API-5L-Grade X42 PSL1	St E290.7	L290 NB EN10208-2	TU/TS E290 NF A49-400/411
API-5L-Grade X46 PSL1	St E320.7	TU/TS E320 NF A49-400	
API-5L-Grade X52 PSL1	St E360.7	L360 NB EN10208-2	TU/TS E360 NF A49-400/411
API-5L-Grade X56 PSL1	St E385.7		
API-5L-Grade X60 PSL1	St E415.7	L415 NB EN10208-2	TU/TS E415 NF A49-400/411
BS 3059/1-320	St 37.0	P195TR1 EN10216-1/EN10217-1	
BS 3059/2-360	St 35.8/St37.8	P235GH EN10216-2/EN10217-2	
BS 3601-ERW320	St 33	P195TR1 / EN10217-1	
BS 3601-ERW360	St 37.0	P235TR1 / EN10217-1	
BS 3601-ERW430	St 44.0	P265TR1 / EN 10217-1	
BS 3601-SAW430	St 44.3	P265TR1 / EN 10217-5	A672-B65/C65
BS 3601-S360	St 37.0	P235TR1 / EN10216-1	TU37B NF A49.210
BS 3601-S430	St 44.0	P265TR1 / EN10216-1	TU42B NF A49.210
BS 3602/1-360	St 35.8/St37.8	P235GH / EN10216-2	TU37.C NF A49.213/215
BS 3602/1-430	St 45.8/St42.8	P265GH / EN10216-2	TU42.C NF A49.213/215
BS 3602/1-500 Nb	19 Mn 5/WStE355	P355N / EN10216-3	
BS 3602/2-430	WStE255	P265GH EN10217-2	
BS 3603-430LT	TT St35/TTSt41	P255 EN10216-4	TU42 BT NF A49-230/215
BS 3603-503LT	10 Ni 14	12Ni14 EN10216-4	TU10N14 NF A49-230/215
BS 3604/1 620-440	13 CrMo 44	13CrMo4-5 EN10216-2	TU13CD4.04 NF A49-213
BS 3604/1 621	13 CrMo 44	13CrMo4-5 EN10216-2	TU13CD4.04 NF A49-213
BS 3604/1 622	10 CrMo 9 10	10CrMo9-10/11CrMo 9-10 EN10216-2	TU10CD9-10 NF A49-213
BS 3604/1 625	12 CrMo 19 5	X11CrMo5 EN10216-2	TU Z 10CD5.05 NF A49-213