

## COMPARISON OF PIPING MATERIALS

ASTM	Comparable Material			
	British Standard*	DIN	Designation	Stoff No.
A 53 GR. A	B.S. 3601/22	ST 35	(DIN 1629)	1.0308
A 53 GR. B	B.S. 3601/27	ST 45	(DIN 1629)	1.0408
A 106 GR. A	B.S. 3602/23	ST 35.8	(DIN 17175)	1.0305
A 106 GR. B	B.S. 3602/27	ST 45.8	(DIN 17175)	1.0405
A 106 GR. C	B.S. 3602/35	17 Mn 4		1.0844
A 333 GR. 1	B.S. 3603/27 LT 50	TT ST 35 N		1.0356
A 333 GR. 3	B.S. 3603/503 LT 100	10 Ni 14		1.5637
A 335 GR. P 1	B.S. 3604/240	16 Mo 5		1.5423
A 335 GR. P 5	B.S. 3604/625	12 Cr Mo 19 5		1.7362
A 335 GR. P 7	B.S. 3604/627	X 12 Cr Mo 7		1.7368
A 335 GR. P 9	B.S. 3604/629	X 12 Cr Mo 9		1.7386
A 335 GR. P 11	B.S. 3604/621	13 Cr Mo 44	(DIN 17175)	1.7335
A 335 GR. P 12	B.S. 3604/620	13 Cr Mo 44	(DIN 17175)	1.7335
A 335 GR. P 22	B.S. 3604/622.27	10 Cr Mo 9 10	(DIN 17175)	1.7380
A 312 TP 304	B.S. 3605/801	X 5 Cr Ni 18 9		1.4301
A 312 TP 304 L	B.S. 3605/801 L	X 2 Cr Ni 18 9		1.4306
A 312 TP 316	B.S. 3605/855	X 5 Cr Ni Mo 18 10		1.4401
A 312 TP 316 L	B.S. 3605/845 L	X 2 Cr Ni Mo 18 10		1.4404
A 312 TP 321	B.S. 3605/822 Ti	X 10 Cr Ni Ti 18 9		1.4541
A 312 TP 347	B.S. 3605/822 Nb	X 10 Cr Ni Nb 18 9		1.4550
API STD 5 L/A		UST 34.7	(DIN 17172)	1.0306
API STD 5 L/B		UST 38.7	(DIN 17172)	1.0455
API STD 5 LX/X 42		ST 43.7	(DIN 17172)	1.0484
API STD 5 LX/X 46		ST 47.7	(DIN 17172)	1.0829
API STD 5 LX/X 52		ST 53.7	(DIN 17172)	1.0837
API STD 5 LX/X 60		ST 60.7	(DIN 17172)	

\* Pipe can be supplied in: HFS = Hot finished seamless  
 CDS = Cold drawn seamless  
 ERW = Electric resistance welded  
 EFW = Electric fusion welded

40	0.688	768	735	663	608
60	0.969	1091	1044	942	864
80	1.219	1383	1323	1194	1095
100	1.531	1753	1677	1514	1388
120	1.812	2093	2003	1807	1657
140	2.062	2399	2295	2071	1899
160	2.344	2752	2633	2376	2178

\*Section 1 of Code for Pressure Piping allows the use of Seamless Pipe to ASTM A-53 up to 600 lb/in<sup>2</sup> max.