



METSERVE INTERNATIONAL

Physical Metallurgical Division.

www.metserve.co.za

Phone 011- 7041010

Comparative International Boiler Tubing Specifications

Use this table only to find an approximate equivalent, then compare the details of the specifications to determine if substitution is permissible. In general, the Japanese (JIS) specs match up pretty well with the American (ASME/ASTM), while the British (BS) and German specs are usually more difficult to find an equivalent in. for more information please phone me eric vreugde

ASME/ASTM	BS	DIN	JIS
Tubing Specs			
SA-178 A	3059 ERW 320	17177 St37.8	G 3461 STB35 E
SA-178 C	3059 ERW 440	17177 St42.8	G 3461 STB42 E
SA-178 D			G 3461 STB52 E
SA-192	3059 S1 360	17175 St35.8	G 3461 STB35 S
SA-210 A1	3059 S1 440	17175 St45.8	G 3461 STB52 S
SA-210 C			G 3461 STB42 S
SA-209 T1	3059 S1 243	17175 15Mo3	G 3462 STBA12 S
SA-209 T1a			G 3462 STBA13 S
SA-213 T2			G 3462 STBA20 S
SA-213 T11	3059 S1 620-460	17175 13CrMo44	G 3462 STBA23
SA-213 T22	3059 S1 622-490	17175 10CrMo910	G 3462 STBA24
SA-213 T5			G 3462 STBA25
SA-213 T9	3059 S1 629-470		G 3462 STBA26
SA-213 T91		17175-X10CrMoVNb91	
SA-213 Tp-304		17456 X2CrNi1911	G3463 SUS304TB
SA-213 Tp 304H	3059 CFS304S51		G3463 SUS304HTB
SA-213 Tp 316		17456 X5CrNiMo17122	G3463 SUS316TB
SA-213 Tp 316H	3059 CFS316S51		G3463 SUS316HTB
SA-213 Tp 321		17456 X6CrNiTi1810	G3463 SUS321TB
SA-213 Tp 321H	3059 CFS321S51		G3463 SUS321HTB
SA-213 Tp 347		17456 X5CrNiNB1810	G3463 SUS347TB
SA-213 Tp 347H	3059 CFS347S51		G3463 SUS347HTB
Pipe Specs			
SA-53A	3602 HFS360	17175 St35.8	G 3454 STPG38
SA-53B	3602 HFS460	17175 St45.8	G 3454 STPG42
SA-106B	3602 CFS460	17175 St45.8	G 3456 STPT42
SA-106C	3602 CFS460		G 3456 STPT49
SA-335-P11	3604 CFS621	17175 13CrMo44	G 3458 STPA23
SA-335-P22	3604 CFS622	17175 10CrMo910	G 3458 STPA24
SA-335-P9	3604 CFS629-470		G 3458 STPA26
SA-335-P91			

ASME - American Society of Mechanical Engineers

ASTM - American Society for Testing and Materials (ASTM specs are generally identical to ASME).

Confidential

Page 1

