

KDS008 Pressure-Temperature Ratings for Screwed & Socket Welded Carbon & Stainless Fittings to ASME B16.11

(The values shown are valid only for materials to ASTM A105; ASTM A182 Gr-F11 and Gr-316L; ASTM A350 Gr-LF1)

Temperature °C (°F)	Maximum Non-Shock Working Pressure (kPa)		
	2000 lb Fittings	3000 lb Fittings	6000 lb Fittings
38 (100)	13780 (2000 psi)	20670 (3000 psi)	41340 (6000 psi)
66 (150)	13573	20359	40754
93 (200)	13366	20084	40168
121 (250)	13194	19808	39617
149 (300)	13056	19602	39232
177 (350)	12918	19360	38756
204 (400)	12746	19119	38239
232 (450)	12470	18706	37412
260 (500)	11954	17948	37412
288 (550)	11299	16949	33933
316 (600)	10610	15915	31831
343 (650)	9852	14813	29627
371 (700)	8991	13504	27008
399 (750)	8130	12229	24459
427(800)	6993	10507	21014
427* (800)	5718*	8612*	17225*
482* (900)	4237*	6373*	12780*
510 (950)	2928	4409	8853
538 (1000)	1619	2445	4926

Notes:

- 2000lb fittings cannot be used with Schedules greater than Schedule 40 to ASME B36.10
- 3000lb fittings cannot be used with Schedules greater than Schedule 80 to ASME B36.10
- 6000lb fittings cannot be used with Schedules greater than Schedule 160 (socket weld fittings) or XXS (threaded fittings) to ASME B36.10
- Screwed fittings are threaded in accordance with ASME B1.20.1. The threads are tapered.
- BS3799 "Forged Steel Pipe Fittings, Screwed and Socket-Weld for the Petroleum Industry" is dimensionally equivalent to ASME B16.11 "Forged Steel Fittings, Socket Welded and Threaded".
- * Indicates the non-shock working pressure to fulfil the requirements of ASME B31.1 "Power Piping".