

[7] STAINLESS STEEL 316 THREADED FITTINGS

Specifications

About Stainless Steel - Stainless steel can be defined as a steel alloy that has a minimum chromium level of 11% of its mass. Stainless steel fittings are used when the properties of steel and resistance to corrosion are required.

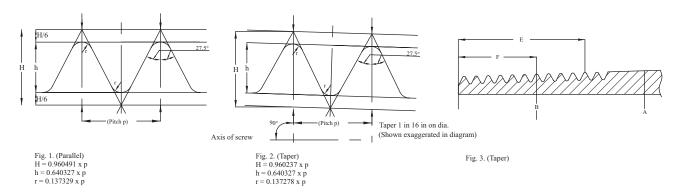
Applications - Stainless Steel Fittings are most suitable for marine, pumping, commercial, domestic chemical and irrigation applications.

AAP '150lb' stainless steel fittings are made from grade 316 stainless steel. 150lb refers to the maximum working pressure/temperature of 150psi saturated steam.

Applicable Standards

- AS 1722.2 Pipe Threads of Whitworth Form (Fastening thread)
- ASTM A351 Standard Specification of Castings, Austenitic for pressure-containing parts
- ASTM A182 Standard Specification for forged or rolled alloy and stainless steel pipe flanges, forged fittings, valves and parts for high temperature parts
- ISO 4144 Pipework Stainless Steel fittings Threaded in Accordance with ISO7 1

	British Standard Threads							
	All measurements in mm							
NOMINAL BORE OF PIPE		APPROX. OUTSIDE DIAMETER	NUMBER OF THREADS PER INCH	PITCH	DEPTH OF THREADS	DIAMETER AT GAUGE PLANE	LENGTH OF USEFUL THREAD	
IMPERIAL	METRIC	Α		P	h	В	E	
1/8	6	10.16	28	0.907	0.581	9.72	6.5	
1/4	8	13.66	19	1.337	0.856	13.15	9.7	
3/8	10	17.17	19	1.337	0.856	16.66	10.1	
1/2	15	21.51	14	1.814	1.162	20.95	13.2	
3/4	20	27.00	14	1.814	1.162	26.44	14.5	
1	25	33.93	11	2.309	1.479	33.24	16.8	
1 1/4	32	42.59	11	2.309	1.479	41.91	19.1	
1 1/2	40	48.48	11	2.309	1.479	47.80	19.1	
2	50	60.47	11	2.309	1.479	59.61	23.4	
2 1/2	65	76.09	11	2.309	1.479	75.18	26.7	
3	80	88.87	11	2.309	1.479	87.88	29.8	
4	100	114.14	11	2.309	1.479	113.03	35.8	
5	125	139.65	11	2.309	1.479	138.43	40.1	
6	150	165.12	11	2.309	1.479	163.83	40.1	



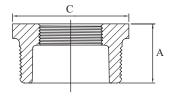
Mechanical Properties				
TENSILE STRENGTH MIN.	ELONGATION MIN.			
70000 psi	25000 psi	35%		

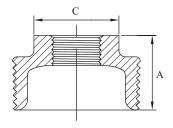
316/316L Chemical Composition %							
C MAX	Cr	Mn MAX	Мо	Ni	P MAX	S MAX	Si MAX
0.035	16.0-20.0	2	2.0-3.0	10-15.0	0.04	0.03	0.75

Stainless Steel Bushes

316 '150lb' Stainless Steel Bushes					
AAP CODE	IMPERIAL SIZE	A	С	APPROX KG/PC	
SSB0806	1/4 x 1/8	17	15	0.01	
SSB1008	3/8 x 1/4	20.5	22	0.03	
SSB1508	1/2 x 1/4	18	23	0.02	
SSB1510	1/2 x 3/8	21	23	0.03	
SSB2008	3/4 x 1/4	21	28	0.03	
SSB2010	3/4 x 3/8	21	28	0.03	
SSB2015	3/4 x 1/2	26	28	0.06	
SSB2510	1 x 3/8	26	35	0.09	
SSB2515	1 x 1/2	26	35	0.09	
SSB2520	1 x 3/4	26	35	0.07	
SSB3215	1 1/4 x 1/2	29	44	0.17	
SSB3220	1 1/4 x 3/4	29	44	0.14	
SSB3225	1 1/4 x 1	29	44	0.11	
SSB4020	1 1/2 x 3/4	31	50	0.20	
SSB4025	1 1/2 x 1	31	50	0.18	
SSB4032	1 1/2 x 1 1/4	31	50	0.12	
SSB5020	2 x 3/4	37	61	0.41	
SSB5025	2 x 1	37	61	0.35	
SSB5032	2 x 1 1/4	35	61	0.30	
SSB5040	2 x 1 1/2	35	61	0.24	
SSB6540	2 1/2 x 1 1/2	38	80	0.60	
SSB6550	2 1/2 x 2	39	80	0.49	
SSB8040	3 x 1 1/2	42	92	0.97	
SSB8050	3 x 2	42	92	0.85	
SSB8065	3 x 2 1/2	42	92	0.71	
SSB10050	4 x 2	49	116	1.62	
SSB10065	4 x 2 1/2	49	116	1.35	
SSB10080	4 x 3	49	116	1.28	







Stainless Steel Barrel Nipples

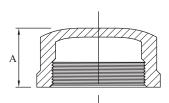
316 '150lb' Stainless Steel Barrel Nipples					
AAP CODE	SIZE IMPERIAL	Α	APPROX KG/PC		
SSBN08	1/4	39.5	0.02		
SSBN10	3/8	39.5	0.03		
SSBN15	1/2	60	0.06		
SSBN20	3/4	60	0.09		
SSBN25	1	60	0.12		
SSBN32	1 1/4	79.5	0.23		
SSBN40	1 1/2	79.5	0.26		
SSBN50	2	99	0.45		
SSBN65	2 1/2	100	0.70		
SSBN80	3	120	1.19		
SSBN100	4	151	1.85		





Stainless Steel Caps

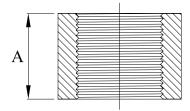




	316 '150lb' Stainless Steel Caps					
AAP CODE	IMPERIAL SIZE	А	APPROX KG/PC			
SSC06	1/8	14	0.01			
SSC08	1/4	15.6	0.01			
SSC10	3/8	17.5	0.03			
SSC15	1/2	20	0.05			
SSC20	3/4	21.7	0.06			
SSC25	1	26	0.09			
SSC32	1 1/4	28.5	0.13			
SSC40	1 1/2	32.6	0.19			
SSC50	2	34	0.28			
SSC65	2 1/2	38.7	0.47			
SSC80	3	42.5	0.69			
SSC100	4	48.4	1.30			

Stainless Steel Couplings



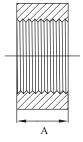


316 '150lb' Stainless Steel Couplings					
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC		
SSCP06	1/8	16	0.01		
SSCP08	1/4	24	0.02		
SSCP10	3/8	25	0.02		
SSCP15	1/2	33	0.06		
SSCP20	3/4	36	0.07		
SSCP25	1	43	0.11		
SSCP32	1 1/4	47	0.17		
SSCP40	1 1/2	47	0.14		
SSCP50	2	52	0.29		
SSCP65	2 1/2	62	0.41		
SSCP80	3	68	0.65		
SSCP100	4	77	1.26		

Stainless Steel Half Couplings

316 '150lb' Stainless Steel Half Couplings					
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC		
SSCH15	1/2	15	0.03		
SSCH20	3/4	17	0.04		
SSCH25	1	20	0.05		
SSCH32	1 1/4	22	0.09		
SSCH40	1 1/2	22	0.09		
SSCH50	2	24	0.11		

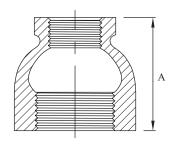




Stainless Steel Reducing Sockets

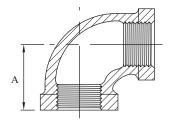
316	'150lb' Stainless St	teel Reducing Sock	cets
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC
SSS0806	1/4 x 1/8	26	0.01
SSS1008	3/8 x 1/4	30	0.03
SSS1508	1/2 x 1/4	33	0.06
SSS1510	1/2 x 3/8	33	0.04
SSS2010	3/4 x 3/8	36	0.07
SSS2015	3/4 x 1/2	36	0.07
SSS2510	1 x 3/8	42	0.12
SSS2515	1 x 1/2	42	0.09
SSS2520	1 x 3/4	43	0.11
SSS3215	1 1/4 x 1/2	45	0.25
SSS3220	1 1/4 x 3/4	45	0.16
SSS3225	1 1/4 x 1	45	0.18
SSS4020	1 1/2 x 3/4	49	0.22
SSS4025	1 1/2 x 1	49	0.19
SSS4032	1 1/2 x 1 1/4	49	0.24
SSS5025	2 x 1	51	0.28
SSS5032	2 x 1 1/4	51	0.28
SSS5040	2 x 1 1/2	51	0.29
SSS6540	2 1/2 x 1 1/2	65	0.46
SSS6550	2 1/2 x 2	65	0.50
SSS8040	3 x 1 1/2	72	0.73
SSS8050	3 x 2	72	0.80
SSS8065	3 x 2 1/2	72	0.73
SSS10050	4 x 2	68	1.70
SSS10065	4 x 2 1/2	68	1.50
SSS10080	4 x 3	68	1.30





Stainless Steel 90 deg F/F Elbows

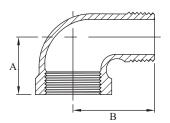




316 '150lb' Stainless Steel 90 Degree F/F Elbows					
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC		
SSE06	1/8	17	0.02		
SSE08	1/4	19	0.02		
SSE10	3/8	23	0.04		
SSE15	1/2	27	0.09		
SSE20	3/4	32	0.11		
SSE25	1	38	0.15		
SSE32	1 1/4	45	0.24		
SSE40	1 1/2	48	0.33		
SSE50	2	57	0.61		
SSE65	2 1/2	69	0.83		
SSE80	3	78	1.38		
SSE100	4	96	3.40		

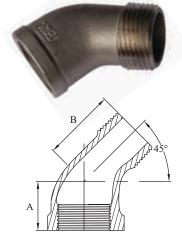
Stainless Steel 90 Deg M/F Elbows





316 '150lb' Stainless Steel 90 Degree M/F Elbows					
AAP CODE	IMPERIAL SIZE	A	В	APPROX KG/PC	
SSEMF06	1/8	17	26	0.02	
SSEMF08	1/4	19	31	0.03	
SSEMF10	3/8	23	39	0.04	
SSEMF15	1/2	27	41	0.07	
SSEMF20	3/4	32	47	0.11	
SSEMF25	1	38	53	0.18	
SSEMF32	1 1/4	45	63	0.30	
SSEMF40	1 1/2	48	69	0.34	
SSEMF50	2	57	80	0.57	
SSEMF65	2 1/2	69	83	0.85	
SSEMF80	3	78	94	1.32	
SSEMF100	4	96	115	2.65	

Stainless Steel 45 Deg M/F Elbows



316 '150lb' Stainless Steel 45 Degree M/F Elbows					
AAP CODE	IMPERIAL SIZE	Α	В	APPROX KG/PC	
SSEMFF15	1/2	21	40	0.1	
SSEMFF20	3/4	25	45	0.1	
SSEMFF25	1	29	46	0.2	
SSEMFF32	1 1/4	33	51	0.3	
SSEMFF40	1 1/2	37	55	0.3	
SSEMFF50	2	42	60	0.5	

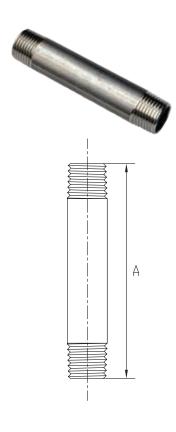
Stainless Steel 45 Deg F/F Elbows

316 '150lb' Stainless Steel 45 Degree F/F Elbows			
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC
SSEF08	1/4	17	0.03
SSEF10	3/8	19	0.04
SSEF15	1/2	21	0.07
SSEF20	3/4	25	0.09
SSEF25	1	29	0.16
SSEF32	1 1/4	33	0.21
SSEF40	1 1/2	37	0.30
SSEF50	2	42	0.44
SSEF65	2 1/2	49	0.94
SSEF80	3	54	1.54
SSEF100	4	64	1.92



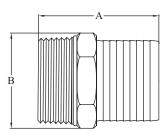
Stainless Steel 'Sched 40' Pipe Pieces (Welded)

316 'Sched 40' Sta	ainless Steel Pipe P	ieces (Welded) Bot	h Ends BSP Taper
AAP CODE	IMPERIAL SIZE	A	APPROX KG/PC
SSPN1594	1/2	100	0.11
SSPN1596	1/2	150	0.17
SSPN1598	1/2	200	0.22
SSPN15X30	1/2	300	0.33
SSPN15X60	1/2	600	0.66
SSPN2094	3/4	100	0.14
SSPN2096	3/4	150	0.22
SSPN2098	3/4	200	0.29
SSPN20X30	3/4	300	0.43
SSPN20X60	3/4	600	0.86
SSPN2594	1	100	0.23
SSPN2596	1	150	0.35
SSPN2598	1	200	0.46
SSPN25X30	1	300	0.69
SSPN25X60	1	600	1.39
SSPN3294	1 1/4	100	0.26
SSPN3296	1 1/4	150	0.40
SSPN3298	1 1/4	200	0.53
SSPN32X30	1 1/4	300	0.79
SSPN32X60	1 1/4	600	1.58
SSPN4094	1 1/2	100	0.34
SSPN4096	1 1/2	150	0.52
SSPN4098	1 1/2	200	0.68
SSPN40X30	1 1/2	300	1.02
SSPN40X60	1 1/2	600	2.05
SSPN5094	2	100	0.45
SSPN5096	2	150	0.68
SSPN5098	2	200	0.90
SSPN50X30	2	300	1.35
SSPN50X60	2	600	2.71



Stainless Steel Hose Nipple

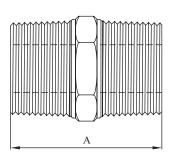




316 '150lb' Stainless Steel Hose Nipple				
AAP CODE	IMPERIAL SIZE	А	В	APPROX KG/PC
SSHN08	1/4	43	16	0.02
SSHN10	3/8	48	19	0.04
SSHN1015	3/8 x 1/2	60	19	0.04
SSHN15	1/2	58	22	0.05
SSHN1510	1/2 x 3/8	60	24	0.05
SSHN1520	1/2 x 3/4	60	25	0.07
SSHN20	3/4	64.6	27	0.09
SSHN2015	3/4 x 1/2	64	28	0.09
SSHN2025	3/4 x 1	79	30	0.14
SSHN25	1	72.5	35	0.14
SSHN2520	1 x 3/4	67	36	0.14
SSHN32	1 1/4	82	47	0.21
SSHN40	1 1/2	88	52	0.27
SSHN50	2	97.5	61	0.42
SSHN65	2 1/2	106	79	0.83
SSHN80	3	111	92	0.87
SSHN100	4	151	117	2.32

Stainless Steel Hexagon Nipple



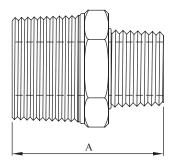


316 '150lb' Stainless Steel Hexagon Nipple			
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC
SSN06	1/8	28	0.01
SSN08	1/4	32	0.02
SSN10	3/8	37	0.03
SSN15	1/2	40	0.05
SSN20	3/4	44	0.08
SSN25	1	46	0.14
SSN32	1 1/4	53	0.16
SSN40	1 1/2	54	0.20
SSN50	2	63	0.30
SSN65	2 1/2	72	0.54
SSN80	3	80	0.74
SSN100	4	85	1.01

Stainless Steel Reducing Hexagon Nipple

316 '150lb' Stainless Steel Reducing Hex Nipple				
AAP CODE	IMPERIAL SIZE	А	APPROX KG/PC	
SSN0806	1/4 x 1/8	30	0.02	
SSN1008	3/8 x 1/4	35	0.02	
SSN1508	1/2 x 1/4	40	0.03	
SSN1510	1/2 x 3/8	36	0.03	
SSN2010	3/4 x 3/8	41	0.1	
SSN2015	3/4 x 1/2	42	0.1	
SSN2510	1 x 3/8	45	0.1	
SSN2515	1 x 1/2	48	0.1	
SSN2520	1 x 3/4	49	0.1	
SSN3215	1 1/4 x 1/2	50	0.2	
SSN3220	1 1/4 x 3/4	51	0.2	
SSN3225	1 1/4 x 1	51	0.2	
SSN4020`	1 1/2 x 3/4	50	0.2	
SSN4025	1 1/2 x 1	50	0.2	
SSN4032	1 1/2 x 1 1/4	53.8	0.2	
SSN5020	2 x 3/4	57	0.4	
SSN5025	2 x 1	57.5	0.3	
SSN5032	2 x 1 1/4	60	0.3	
SSN5040	2 x 1 1/2	62	0.3	
SSN6540	2 1/2 x 1 1/2	65.5	0.5	
SSN6550	2 1/2 x 2	71	0.6	
SSN8040	3 x 1 1/2	62.5	1.0	
SSN8050	3 x 2	75	0.9	
SSN8065	3 x 2 1/2	77	1.1	
SSN10050	4 x 2	80	2.0	
SSN10065	4 x 2 1/2	83	1.8	
SSN10080	4 x 3	87	1.6	

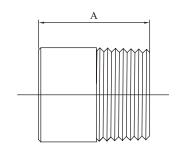




Stainless Steel Weld Nipples

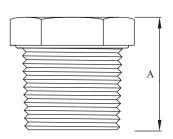
316 '150lb' Stainless Steel Weld Nipples			
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC
SSWN08	1/4	30	0.02
SSWN10	3/8	30	0.02
SSWN15	1/2	33	0.03
SSWN20	3/4	39	0.06
SSWN25	1	40	0.08
SSWN32	1 1/4	50	0.15
SSWN40	1 1/2	50	0.19
SSWN50	2	50	0.21
SSWN65	2 1/2	60	0.41
SSWN80	3	70	0.59
SSWN100	4	80	0.95





Stainless Steel Plug

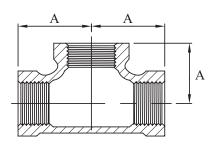




316 '150lb' Stainless Steel Plug				
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC	
SSP06	1/8	17	0.01	
SSP08	1/4	18	0.01	
SSP10	3/8	20	0.02	
SSP15	1/2	21.5	0.03	
SSP20	3/4	24.5	0.07	
SSP25	1	27	0.09	
SSP32	1 1/4	29	0.13	
SSP40	1 1/2	31	0.16	
SSP50	2	35	0.25	
SSP65	2 1/2	40	0.53	
SSP80	3	44	0.73	
SSP100	4	45	1.2	

Stainless Steel Equal Tees



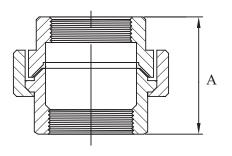


316 '150lb' Stainless Steel Equal Tees			
AAP CODE	IMPERIAL SIZE	A	APPROX KG/PC
SST06	1/8	17	0.03
SST08	1/4	19	0.04
SST10	3/8	23	0.06
SST15	1/2	27	0.09
SST20	3/4	32	0.13
SST25	1	38	0.24
SST32	1 1/4	45	0.36
SST40	1 1/2	48	0.44
SST50	2	57	0.64
SST65	2 1/2	69	1.25
SST80	3	78	1.59
SST100	4	96	3.98

Stainless Steel F/F Unions

316 '150lb' Stainless Steel F/F Unions			
AAP CODE	IMPERIAL SIZE	А	APPROX KG/PC
SSU06	1/8	28.3	0.05
SSU08	1/4	29.6	0.08
SSU10	3/8	35	0.1
SSU15	1/2	35	0.12
SSU20	3/4	40	0.19
SSU25	1	45	0.27
SSU32	1 1/4	51	0.44
SSU40	1 1/2	59	0.71
SSU50	2	65	0.88
SSU65	2 1/2	73	1.25
SSU80	3	76.5	1.87
SSU100	4	113	3.27





Stainless Steel M/F Unions

316 '150lb' Stainless Steel M/F Unions			
AAP CODE	IMPERIAL SIZE	Α	APPROX KG/PC
SSU08MF	1/4	44	0.09
SSU10MF	3/8	47	0.13
SSU15MF	1/2	55.3	0.17
SSU20MF	3/4	59	0.31
SSU25MF	1	64	0.39
SSU32MF	1 1/4	69	0.59
SSU40MF	1 1/2	79	0.64
SSU50MF	2	93	1.03



