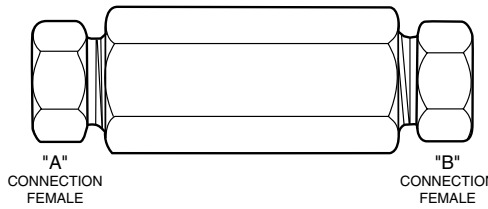
Adapters/Couplings - Couplings

The couplings shown here permit the joining of any combination of standard size tubing or tubing and standard pipe with female-to-female couplings. Other couplings available on special order.

Pressure Rating - The pressure rating of Parker Autoclave Engineers couplings is based on the lower rated connection used.



Note: Special material couplings may be supplied with four flats in place of standard hex.

How to use the Ordering Chart below:

1. Locate "A" connection in the vertical column.
2. Locate the desired "B" connection across the top of the chart.
3. The catalog number of the required coupling is located at the intersection of the two columns.

"A" Connection				"B" Connection														
				SpeedBite				Medium Pressure					High Pressure					
	Tube Outside in (mm)	Connector Type	Pressure psi (bar)*	1/8 **W 125**	1/4 **SW 250**	3/8 **SW 375**	1/2** **SW 500**	1/4 **SF 250 CX**	3/8 **SF 375 CX**	9/16 **SF 562 CX**	3/4 **SF 750 CX**	1 **SF 1000 CX**	1 **F 1000 C43**	1/4 **F 250 C**	3/8 **F 375 C**	9/16 **F 562 C**	9/16 **F 562 C40**	5/16 **F 312 C150**
SpeedBite	1/8 (3.18)	**W125**	15,000 **(1034)**	15F 2211	6F 2412	6F 2612	4F 2812	15F 2416	15F 2616	15F 2916		15F 21616		15F 2413	15F 2613	15F 2913		
	1/4 (6.35)	**SW250**	15,000 **(1034)**		6F 4422	6F 4622	4F 4822	6F 4426	6F 4626	6F 4926				6F 4423	6F 4623	6F 4923		
	3/8 (9.52)	**SW375**	15,000 **(1034)**			6F 6622	4F 6822	6F 6426	6F 6626	6F 6926	6F 61226	6F 61626		6F 6423	6F 6623	6F 6923		
	1/2 (12.70)	**SW500**	10,000 **(690)**				4F 8822	4F 8426	4F 8626	4F 8926	4F 81226	4F 81626		4F 8423	4F 8623	4F 8923		
Medium Pressure	1/4 (6.35)	**SF250 CX**	20,000 **(1379)**					20FX 4466	20F 4666	20F 4966	20F 41266	20F 41666	20F 41663	20F 4463	20F 4663	20F 4963		20F 4563
	3/8 (9.52)	**SF375 CX**	20,000 **(1379)**						20FX 6666	20F 6966	20F 61266	20F 61666	20F 61663	20F 6463	20F 6663	20F 6963		20F 6563
	9/16 (14.27)	**SF562 CX**	20,000 **(1379)**							20FX 9966	20F 91266	20F 91666		20F 9463	20F 9663	20F 9963		20F 9563
	3/4 (19.05)	**SF750 CX**	20,000 **(1379)**								20FX 12	20F 121666		20F 12463	20F 12663	20F 12963		20F 12563
	1 (25.40)	**SF1000 CX**	20,000 **(1379)**									20FX 16		20F 16463	20F 16663	20F 16963		20F 16563
High Pressure	1 (25.40)	**F1000 C43**	43,000 **(2965)**										43F 16					
	1/4 (6.35)	**F250 C**	60,000 **(4137)**										43F 41633	60F 4433	60F 4633	60F 4933		60F 4533
	3/8 (9.52)	**F375 C**	60,000 **(4137)**										43F 61633		60F 6633	60F 6933		60F 6533
	9/16 (14.27)	**F562 C**	60,000 **(4137)**										43F 91633			60F 9933		60F 9533
	9/16 (14.27)	**F562 C40**	40,000 **(2760)**														40F 9933	
	5/16 (7.92)	**F312 C150**	15,000 **(1034)**															150F 5533
National Pipe Thread (NPT)	1/8 (3.18)	**NPT**	15,000 **(1034)**	15F 2281	15F 2482	15F 2682	10F 2882	15F 2486	15F 2686	15F 2986	15F 21286			15F 2483	15F 2683	15F 2983		15F 2583
	1/4 (6.35)	**NPT**	15,000 **(1034)**	15F 4281	15F 4482	15F 4682	10F 4882	15F 4486	15F 4686	15F 4986	15F 41286	15F 41686		15F 4483	15F 4683	15F 4983		15F 4583
	3/8 (9.52)	**NPT**	15,000 **(1034)**	15F 6281	15F 6482	15F 6682	10F 6882	15F 6486	15F 6686	15F 6986	15F 61286	15F 61686		15F 6483	15F 6683	15F 6983		15F 6583
	1/2 (12.70)	**NPT**	15,000 **(1034)**	15F 8281	15F 8482	15F 8682	10F 8882	15F 8486	15F 8686	15F 8986	15F 81286	15F 81686		15F 8483	15F 8683	15F 8983		15F 8583
	3/4 (19.05)	**NPT**	10,000 **(1034)**				10F 12882		10F 12686	10F 12986	10F 121286	10F 121686				10F 12983		
	1 (25.40)	**NPT**	10,000 **(1034)**							10F 16986		10F 161686		10F 16483		10F 16983		

*Maximum pressure rating is based on the lowest rating of any component.
Actual working pressure may be determined by tubing pressure rating, if lower.
**1/2 low pressure rated to 10,000 psi.

All dimensions for reference only and subject to change.
For prompt service, Parker Autoclave Engineers stocks select products. Consult your local representative.CAUTION: See appropriate pressure section in reference to proper selection of tubing.

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Coupling Dimensions - Speedbite

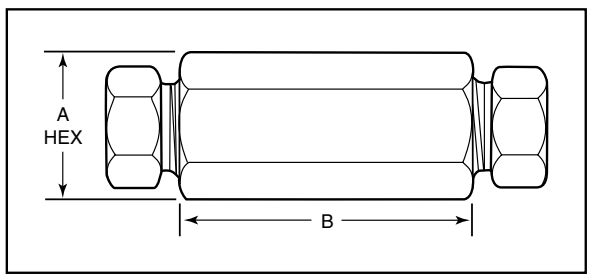
Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
W125	W125	15F2211	0.50 (12.7)	1.25 (31.7)
W125	SW250	6F2412	0.63 (15.9)	1.44 (36.6)
W125	SW375	6F2612	0.75 (19.1)	1.50 (38.1)
W125	SW500	4F2812	1.00 (25.4)	1.63 (41.4)
W125	SF250CX	15F2416	0.63 (15.9)	1.38 (35.1)
W125	SF375CX	15F2616	0.75 (19.1)	1.50 (38.1)
W125	SF562CX	15F2916	1.00 (25.4)	1.75 (44.5)
W125	SF1000CX	15F21616	1.75 (44.5)	2.75 (69.9)
W125	F250C	15F2413	0.75 (19.1)	1.25 (31.7)
W125	F375C	15F2613	1.00 (25.4)	1.50 (38.1)
W125	F562C	15F2913	1.38 (35.1)	1.75 (44.5)
SW250	SW250	6F4422	0.63 (15.9)	1.63 (41.4)
SW250	SW375	6F4622	0.75 (19.1)	1.69 (42.9)
SW250	SW500	4F4822	1.00 (25.4)	1.88 (47.8)
SW250	SF250CX	6F4426	0.63 (15.9)	1.63 (41.4)
SW250	SF375CX	6F4626	0.75 (19.1)	1.75 (44.5)
SW250	SF562CX	6F4926	1.00 (25.4)	2.00 (50.8)
SW250	F250C	6F4423	0.75 (19.1)	1.50 (38.1)
SW250	F375C	6F4623	1.00 (25.4)	1.69 (42.9)
SW250	F562C	6F4923	1.38 (35.1)	2.06 (52.3)

Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
SW375	SW375	6F6622	0.75 (19.1)	1.75 (44.5)
SW375	SW500	4F6822	1.00 (25.4)	1.88 (47.8)
SW375	SF250CX	6F6426	0.75 (19.1)	0.88 (22.2)
SW375	SF375CX	6F6626	0.75 (19.1)	1.75 (44.5)
SW375	SF562CX	6F6926	1.00 (25.4)	2.00 (50.8)
SW375	SF750CX	6F61226	1.38 (35.1)	2.25 (57.2)
SW375	SF1000CX	6F61626	1.75 (44.5)	3.00 (76.2)
SW375	F250C	6F6423	0.75 (19.1)	1.63 (41.4)
SW375	F375C	6F6623	1.00 (25.4)	1.81 (46.0)
SW375	F562C	6F6923	1.38 (35.1)	2.00 (50.8)
SW500	SW500	4F8822	1.00 (25.4)	2.00 (50.8)
SW500	SF250CX	4F8426	1.00 (25.4)	1.63 (41.4)
SW500	SF375CX	4F8626	1.00 (25.4)	1.88 (47.8)
SW500	SF562CX	4F8926	1.00 (25.4)	2.00 (50.8)
SW500	SF750CX	4F81226	1.38 (35.1)	2.25 (57.2)
SW500	SF1000CX	4F81626	1.75 (44.5)	3.00 (76.2)
SW500	F250C	4F8423	1.00 (25.4)	1.69 (42.9)
SW500	F375C	4F8623	1.00 (25.4)	1.88 (47.8)
SW500	F562C	4F8923	1.38 (35.1)	2.06 (52.3)

Coupling Dimensions - Medium Pressure

Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
SF250CX	SF250CX	20FX4466	0.63 (15.9)	1.63 (41.4)
SF250CX	SF375CX	20F4666	0.75 (19.1)	1.75 (44.5)
SF250CX	SF562CX	20F4966	1.00 (25.4)	2.00 (50.8)
SF250CX	SF750CX	20F41266	1.38 (35.1)	2.25 (57.2)
SF250CX	SF1000CX	20F41666	1.75 (44.5)	2.75 (69.9)
SF250CX	F250C	20F4463	0.75 (19.1)	1.38 (35.1)
SF250CX	F375C	20F4663	1.00 (25.4)	1.63 (41.4)
SF250CX	F562C	20F4963	1.38 (35.1)	1.88 (47.8)
SF250CX	F312C150	20F4563	1.00 (25.4)	2.13 (54.1)
SF250CX	F1000C43	43F41663	1.75 (44.5)	2.75 (69.9)
SF375CX	SF375CX	20FX6666	0.75 (19.1)	1.75 (44.5)
SF375CX	SF562CX	20F6966	1.00 (25.4)	2.00 (50.8)
SF375CX	SF750CX	20F61266	1.38 (35.1)	2.25 (57.2)
SF375CX	SF1000CX	20F61666	1.75 (44.5)	2.88 (73.0)
SF375CX	F250C	20F6463	0.75 (19.1)	1.63 (41.4)
SF375CX	F375C	20F6663	1.00 (25.4)	2.00 (50.8)
SF375CX	F562C	20F6963	1.38 (35.1)	2.00 (50.8)
SF375CX	F312C150C	20F6563	1.00 (25.4)	2.25 (57.2)
SF375CX	F1000C43	43F61663	1.75 (44.5)	2.88 (73.0)
SF562CX	SF562CX	20FX9966	1.00 (25.4)	2.13 (54.1)
SF562CX	SF750CX	20F91266	1.38 (35.1)	2.50 (63.5)
SF562CX	SF1000CX	20F91666	1.75 (44.5)	3.00 (76.2)
SF562CX	F250C	20F9463	1.00 (25.4)	2.00 (50.8)
SF562CX	F375C	20F9663	1.00 (25.4)	2.00 (50.8)
SF562CX	F562C	20F9963	1.38 (35.1)	2.25 (57.2)
SF562CX	F312C150C	20F9563	1.00 (25.4)	2.50 (63.5)

Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
SF750CX	SF750CX	20FX12	1.38 (35.1)	2.50 (63.5)
SF750CX	SF1000CX	20F121666	1.75 (44.5)	3.00 (76.2)
SF750CX	F250C	20F12463	1.38 (35.1)	2.50 (63.5)
SF750CX	F375C	20F12663	1.38 (35.1)	2.38 (60.33)
SF750CX	F562C	20F12963	1.38 (35.1)	2.75 (69.9)
SF750CX	F312C150	20F12563	1.38 (35.1)	2.75 (69.9)
SF1000CX	SF1000CX	20FX16	1.75 (44.5)	3.50 (88.9)
SF1000CX	F250C	20F16463	1.75 (44.5)	2.75 (69.9)
SF1000CX	F375C	20F16663	1.75 (44.5)	2.88 (73.0)
SF1000CX	F562C	20F16963	1.75 (44.5)	3.25 (82.6)
SF1000CX	F312C150	20F16563	1.75 (44.5)	3.25 (82.6)



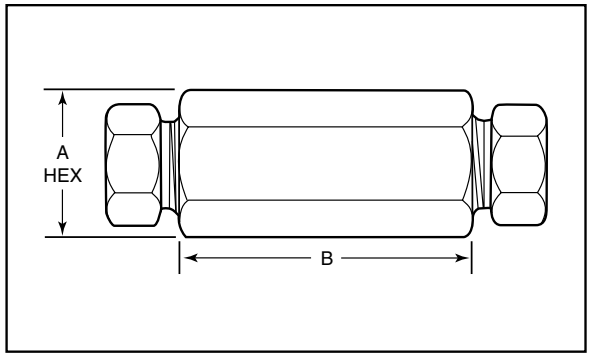
Maximum pressure rating is based on the lowest rating of any component.
Actual working pressure may be determined by tubing pressure rating, if lower.
Note: For pressure rating see selection chart.

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Coupling Dimensions - High Pressure

Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
F250C	F250C	60F4433	0.75 (19.1)	1.38 (35.1)
F250C	F375C	60F4633	1.00 (25.4)	1.63 (41.4)
F250C	F562C	60F4933	1.38 (35.1)	1.75 (44.5)
F250C	F312C150	60F4533	1.00 (25.4)	2.00 (50.8)
F250C	F1000C43	43F41633	1.75 (44.5)	2.75 (69.9)
F375C	F375C	60F6633	1.00 (25.4)	1.75 (44.5)
F375C	F562C	60F6933	1.38 (35.1)	2.00 (50.8)
F375C	F312C150	60F6533	1.00 (25.4)	2.25 (57.2)
F375C	F1000C43	43F61633	1.75 (44.5)	2.88 (73.0)
F562C	F562C	60F9933	1.38 (35.1)	2.19 (55.6)
F562C40	F562C40	40F9933	1.38 (35.1)	2.19 (55.6)
F562C	F312C150	60F9533	1.19 (30.1)	2.63 (66.7)
F562C	SF1000C43	43F91633	1.75 (44.5)	3.75 (82.6)
F312C150	F312C150	150F5533	1.38 (35.1)	2.50 (63.5)
F1000C43	F1000C43	43F16	1.75 (44.5)	3.50 (88.9)



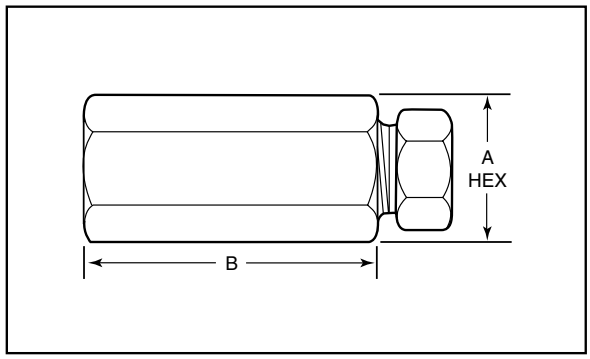
Coupling Dimensions - National Pipe Thread (NPT)

Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
1/8 NPT	W125	15F2281	0.63 (15.9)	1.38 (35.1)
1/8 NPT	SW250	15F2482	0.63 (15.9)	1.50 (38.1)
1/8 NPT	SW375	15F2682	0.75 (19.1)	1.63 (41.4)
1/8 NPT	SW500	10F2882	1.00 (25.4)	1.50 (38.1)
1/8 NPT	SF250CX	15F2486	0.63 (15.9)	1.38 (35.1)
1/8 NPT	SF375CX	15F2686	0.75 (19.1)	1.50 (38.1)
1/8 NPT	SF562CX	15F2986	1.00 (25.4)	1.63 (41.4)
1/8 NPT	SF750CX	15F21286	1.38 (35.1)	1.75 (44.5)
1/8 NPT	F250C	15F2483	0.75 (19.1)	1.38 (35.1)
1/8 NPT	F375C	15F2683	1.00 (25.4)	1.63 (41.4)
1/8 NPT	F562C	15F2983	1.38 (35.1)	1.82 (46.2)
1/8 NPT	F312C150	15F2583	1.00 (25.4)	2.13 (54.1)

Maximum pressure rating is based on the lowest rating of any component.
Actual working pressure may be determined by tubing pressure rating, if lower.
Note: For pressure rating see selection chart.

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Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
1/4 NPT	W125	15F4281	0.75 (19.1)	1.50 (38.1)
1/4 NPT	SW250	15F4482	0.75 (19.1)	1.63 (41.4)
1/4 NPT	SW375	15F4682	0.75 (19.1)	1.75 (44.5)
1/4 NPT	SW500	10F4882	1.00 (25.4)	2.00 (50.8)
1/4 NPT	SF250CX	15F4486	0.75 (19.1)	1.63 (41.4)
1/4 NPT	SF375CX	15F4686	0.75 (19.1)	1.75 (44.5)
1/4 NPT	SF562CX	15F4986	1.00 (25.4)	2.00 (50.8)
1/4 NPT	SF750CX	15F41286	1.38 (35.1)	1.75 (44.5)
1/4 NPT	SF1000CX	15F41686	1.38 (35.1)	2.38 (60.33)
1/4 NPT	F250C	15F4483	0.75 (19.1)	1.63 (41.4)
1/4 NPT	F375C	15F4683	1.00 (25.4)	1.88 (47.8)
1/4 NPT	F562C	15F4983	1.38 (35.1)	2.00 (50.8)
1/4 NPT	F312C150	15F4583	1.00 (25.4)	2.50 (63.5)



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Coupling Dimensions - National Pipe Thread (NPT) - con't

Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
3/8 NPT	W125	15F6281	1.00 (25.4)	1.63 (41.1)
3/8 NPT	SW250	15F6482	1.00 (25.4)	1.75 (44.5)
3/8 NPT	SW375	15F6682	1.00 (25.4)	1.88 (47.8)
3/8 NPT	SW500	10F6882	1.00 (25.4)	2.00 (50.8)
3/8 NPT	SF250CX	15F6486	0.94 (23.9)	1.63 (41.4)
3/8 NPT	SF375CX	15F6686	0.94 (23.9)	1.82 (46.2)
3/8 NPT	SF562CX	15F6986	1.00 (25.4)	2.00 (50.8)
3/8 NPT	SF750CX	15F61286	1.38 (35.1)	2.38 (60.33)
3/8 NPT	SF1000CX	15F61686	1.75 (44.5)	2.50 (63.5)
3/8 NPT	F250C	15F6483	1.00 (25.4)	1.63 (41.4)
3/8 NPT	F375C	15F6683	1.00 (25.4)	1.88 (47.8)
3/8 NPT	F562C	15F6983	1.38 (35.1)	2.00 (50.8)
3/8 NPT	F312C150	15F6583	1.00 (25.4)	2.25 (57.2
1/2 NPT	W125	15F8281	1.88 (47.8)	2.00 (50.8)
1/2 NPT	SW250	15F8482	1.88 (47.8)	2.13 (54.1)
1/2 NPT	SW375	15F8682	1.88 (47.8)	2.13 (54.1)
1/2 NPT	SW500	10F8882	1.19 (30.1)	2.25 (57.2)
1/2 NPT	SF250CX	15F8486	1.19 (30.1)	2.00 (50.8)
1/2 NPT	SF375CX	15F8686	1.19 (30.1)	2.13 (54.1)
1/2 NPT	SF562CX	15F8986	1.19 (30.1)	2.25 (57.2)
1/2 NPT	SF750CX	15F81286	1.38 (35.1)	2.63 (66.7)
1/2 NPT	SF1000CX	15F81686	1.75 (44.5)	3.00 (76.2)
1/2 NPT	F250C	15F8483	1.19 (30.1)	2.00 (50.8)
1/2 NPT	F375C	15F8683	1.19 (30.1)	2.13 (54.1)
1/2 NPT	F562C	15F8983	1.38 (35.1)	2.50 (63.5)
1/2 NPT	F312C150	15F8583	1.19 (30.1)	2.50 (63.5)

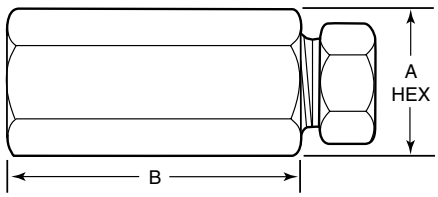
Maximum pressure rating is based on the lowest rating of any component.
Actual working pressure may be determined by tubing pressure rating, if lower.
Note: For pressure rating see selection chart.

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NOTE: NPT (Pipe) connections

- NPT threads must be sealed using a high quality PTFE tape and/or PTFE paste product. Refer to thread sealant manufacturer's instructions on how to apply thread sealant.
- Sealing performance may vary based on many factors such as pressure, temperature, media, thread quality, thread material, proper thread engagement and proper use of thread sealant.
- Customer should limit the number of times an NPT fitting is assembled and disassembled because thread deformation during assembly will result in deteriorating seal quality over time. When using only PTFE tape, consider using thread lubrication to prevent galling of mating parts.

Connection "A"	Connection "B"	Catalog Number	Dimension inches (mm)	
			A Hex	B
3/4 NPT	SW500	10F12882	1.38 (35.1)	2.50 (63.5)
3/4 NPT	SF375CX	10F12686	1.38 (35.1)	2.25 (57.2)
3/4 NPT	SF562CX	10F12986	1.38 (35.1)	2.25 (57.2)
3/4 NPT	SF750CX	10F121286	1.50 (38.1)	2.63 (66.7)
3/4 NPT	SF1000CX	10F121686	1.75 (44.5)	3.00 (76.2)
3/4 NPT	F562C	10F12983	1.38 (35.1)	2.38 (60.33)
1 NPT	SF562CX	10F16986	1.75 (44.5)	2.63 (66.7)
1 NPT	SF1000CX	10F161686	1.75 (44.5)	2.88 (73.0)
1 NPT	F250C	10F16483	1.88 (47.8)	2.38 (60.33)
1 NPT	F562C	10F16983	1.75 (44.5)	2.50 (63.5)



All general terms and conditions of sale, including limitations of our liability, apply to all products and services sold.