Interchange Data

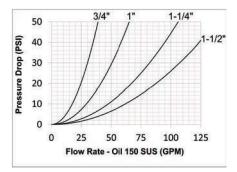
- · Eaton/Aeroquip 5100-Series, Parker 6100-Series
- · Snap-Tite 78-Series, Faster Series-FB, Safeway S51-Series

Materials

- Machined components are manufactured using solid steel and brass bar stock
- Stainless steel retaining rings and springs maximize corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Rugged steel wing nut for threaded connect and disconnect operation
- For steel models, coupler valve sleeve and plug valve are constructed of brass

Seal Components

- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°F to 250°F (-40°C to 121°C)
- Couplings have a TPC-ET back-up ring on the main coupler valve sleeve to extend service life
- Main coupler valve has a bonded face-seal to improve seal integrity during pressurized connection/disconnection
- Plug valve seal is crimped to improve seal integrity and prolong service life; 1-1/2" has bonded plug valve
- External O-ring on plug indicates full connection and acts as a contamination shield in connected mode
- Redundant O-ring on the coupler body will engage plug for secondary sealing support



Rated Pressure Chart

	W-Series Wingstyle Interchange (Connected) Coupler/Plug						
Body							
Size	Maximum Working		Burst				
	PSI	Bar	PSI	Bar			
1/4"	3,000	207	14,000	965			
3/8"	3,000	207	13,000	897			
3/4"	3,000	207	13,000	897			
1"	4,000	276	16,000	1,103			
1-1/4"	3,000	207	12,000	828			
1-1/2"	2,500	172	10,000	690			

Technical Specifications

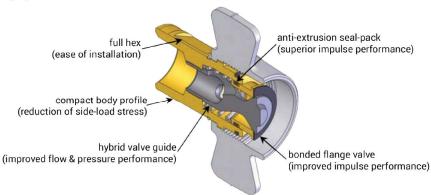
D. J.		Interchange Standards			Functional Parameters				
Body Size	U.S. Military	U.S. Government	International Standards			Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 32 PSI
1/4"					threaded	0.03cc	0.01cc	27.4	6 GPM
3/8"					threaded	0.05cc	0.06cc	27.4	15 GPM
3/4"	-	-	-	-	threaded	0.34cc	0.26cc	27.4	31 GPM
1"	-	-	-	-	threaded	0.50cc	0.35cc	27.4	52 GPM
1-1/4"	-	-	-	-	threaded	0.68cc	0.70cc	27.4	85 GPM
1-1/2"	-	-	-	-	threaded	0.60cc	0.94cc	27.4	110 GPM

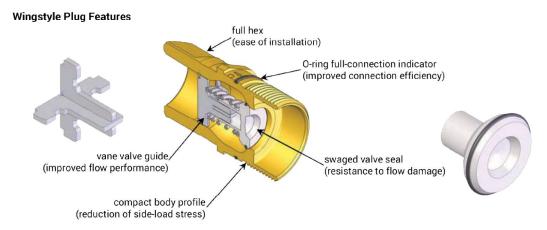
Although the wingstyle couplings are able to connect and disconnect while under pressure, it is recommended that hydraulic power supply be de-energized during connection to ensure operator safety. If it is not possible to de-energize the circuit, operators must be aware of their surroundings to ensure that an attachment or tool does not put them at risk, once hydraulic power is applied during the connection process.

W-Series couplings are not recommended for continuous hydraulic impulse applications at rated pressures.

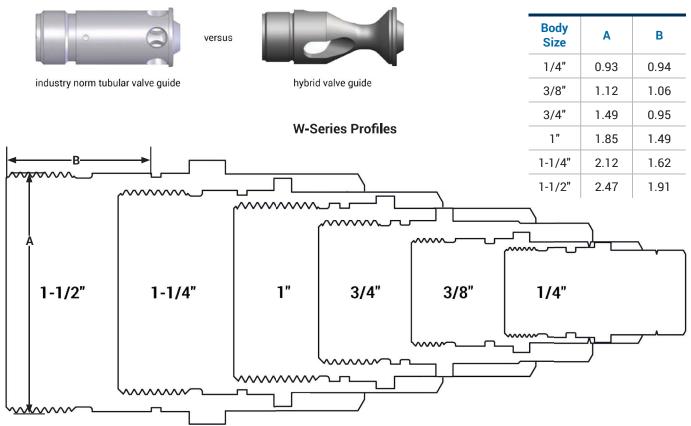


Wingstyle Socket Features

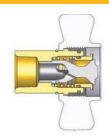




Hybrid valve design increases flow and pressure performance.

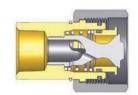






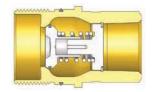
	W-Series Wingstyle Interchange Coupler (Female Threads)									
Body Size		Part Detail			Length		Maximum OD			
0.20	Part #	Threads	Material	inch	mm	inch	mm	inch		
1/4"	2WF1-B	1/8" - 27 NPTF	brass	2.00	50.8	3.02	76.7	5/8"		
0.40"	3WF2-B	1/4" - 18 NPTF	brass	2.33	59.1	3.46	87.8	13/16"		
3/8"	3WF3-B	3/8" - 18 NPTF	brass	2.33	59.1	3.46	87.8	13/16"		
	6WF4-B	1/2" - 14 NPTF	brass	2.73	69.3	4.09	103.9	1-5/32"		
2/4"	6WBF4-B	1/2" - 14 BSPP	brass	2.73	69.3	4.09	103.9	1-5/32"		
3/4"	6WF6-B	3/4" - 14 NPTF	brass	2.73	69.3	4.09	103.9	1-5/32"		
	6WBF6-B	3/4" - 14 BSPP	brass	2.73	69.3	4.09	103.9	1-5/32"		
	8WF8-B	1" - 11-1/2 NPTF	brass	3.33	84.6	4.49	114.0	1-15/32"		
1"	8WF8	1" - 11-1/2 NPTF	steel	3.33	84.6	4.49	114.0	1-15/32"		
	8WBF8-B	1" - 11 BSPP	brass	3.33	84.6	4.49	114.0	1-15/32"		
1 1 / 4"	10WF10-B	1-1/4" - 11-1/2 NPTF	brass	3.64	92.5	5.27	133.9	1-25/32"		
1-1/4"	10WBF10-B	1-1/4" - 11 BSPP	brass	3.64	92.5	5.27	133.9	1-25/32"		
1.1/0"	12WF12-B	1-1/2" - 11-1/2 NPTF	brass	3.67	93.2	5.35	135.9	2-7/64"		
1-1/2"	12WBF12-B	1-1/2" - 11 BSPP	brass	4.08	103.6	5.35	135.9	2-7/64"		





	W-Series Wingstyle Interchange Hex-Nut Coupler (Female Threads)								
Body Size		Part Detail			Length		Maximum OD		
0.20	Part #	Threads	Material	inch	mm	inch	mm	inch	
1/4"	2WF1-B-HN	1/8" - 27 NPTF	brass	2.00	50.8	3.00	76.2	0.63"	
0./0"	3WF2-B-HN	1/4" - 18 NPTF	brass	2.33	59.2	3.45	87.6	0.81"	
3/8"	3WF3-B-HN	3/8" - 18 NPTF	brass	2.33	59.2	3.45	87.6	0.81"	
	6WF4-B-HN	1/2" - 14 NPTF	brass	2.73	69.3	1.92	48.8	1-5/32"	
0 / 4"	6WBF4-B-HN	1/2" - 14 BSPP	brass	2.73	69.3	1.92	48.8	1-5/32"	
3/4"	6WF6-B-HN	3/4" - 14 NPTF	brass	2.73	69.3	1.92	48.8	1-5/32"	
	6WBF6-B-HN	3/4" - 14 BSPP	brass	2.73	69.3	1.92	48.8	1-5/32"	
	8WF8-B-HN	1" - 11-1/2 NPTF	brass	3.33	84.6	2.33	59.2	1-15/32"	
1"	8WF8-HN	1" - 11-1/2 NPTF	steel	3.33	84.6	2.33	59.2	1-15/32"	
	8WBF8-B-HN	1" - 11 BSPP	brass	3.33	84.6	2.33	59.2	1-15/32"	
1 1 / 4"	10WF10-B-HN	1-1/4" - 11-1/2 NPTF	brass	3.64	92.5	2.75	69.9	1-25/32"	
1-1/4"	10WBF10-B-HN	1-1/4" - 11 BSPP	brass	3.64	92.5	2.75	69.9	1-25/32"	
1.1/0"	12WF12-B-HN	1-1/2" - 11-1/2 NPTF	brass	3.67	93.2	3.01	76.5	2-7/64"	
1-1/2"	12WBF12-B-HN	1-1/2" - 11 BSPP	brass	3.67	93.2	3.01	76.5	2-7/64"	







Body Size	W-Series Wingstyle Interchange Plug (Female Threads)									
		Part Detail			Length		Maximum OD			
	Part #	Threads	Material	inch	mm	inch	mm	inch		
1/4"	W2F1-B	1/8"-27 NPTF	brass	1.88	47.8	1.04	26.3	15/16"		
0.40"	W3F2-B	1/4"-18 NPTF	brass	2.30	58.4	1.25	31.8	1-1/4"		
3/8"	W3F3-B	3/8"-18 NPTF	brass	2.40	61.0	1.25	31.8	1-1/4"		
	W6F4-B	1/2" - 14 NPTF	brass	2.85	72.4	1.75	44.5	1-5/16"		
	W6BF4-B	1/2" - 14 BSPP	brass	2.85	72.4	1.75	44.5	1-5/16"		
3/4"	W6F6-B	3/4" - 14 NPTF	brass	2.85	72.4	1.75	44.5	1-5/16"		
	W6BF6-B	3/4" - 14 BSPP	brass	2.85	72.4	1.75	44.5	1-5/16"		
	W8F8-B	1" - 11-1/2 NPTF	brass	3.15	80.0	2.00	50.8	1-9/16"		
1"	W8F8	1" - 11-1/2 NPTF	steel	3.15	80.0	2.00	50.8	1-9/16"		
	W8BF8-B	1" - 11 BSPP	brass	3.15	80.0	2.00	50.8	1-9/16"		
1-1/4"	W10F10-B	1-1/4" - 11-1/2 NPTF	brass	3.39	86.1	2.37	60.2	1-15/16"		
	W10BF10-B	1-1/4" - 11 BSPP	brass	3.39	86.1	2.37	60.2	1-15/16"		
(OII	W12F12-B	1-1/2" - 11-1/2 NPTF	brass	3.74	95.0	2.73	69.3	2-1/4"		
1-1/2"	W12BF12-B	1-1/2" - 11 BSPP	brass	3.74	95.0	2.73	69.3	2-1/4"		





Plug not included with flange

Body Size	W-Series	s Wingstyle Interchange Plug Mountin	ig Flange		
	Part Detail				
	Part #	Bolt Hole Size	Material		
/4"	W6-BMF	0.201"	steel		
1"	W8-BMF	0.201"	steel		
-1/4"	W10-BMF	0.201"	steel		
-1/2"	W12-BMF	0.201"	steel		



	W-Series Wingstyle Interchange Coupler Rigid Dust Plug Part Detail					
Body Size						
0120	Part #	Lanyard	Body			
1/4"	2WDP	steel cable	steel			
3/8"	3WDP	steel cable	steel			
3/4"	6WDP	steel cable	steel			
1"	8WDP	steel cable	steel			
1-1/4"	10WDP	steel cable	steel			
1-1/2"	12WDP	steel cable	steel			



	W-Series Wingstyle Interchange Plug Rigid Dust Cap					
Body Size	Part Detail					
OIZC	Part #	Lanyard	Body			
1/4"	W2DC	steel cable	steel			
3/8"	W3DC	steel cable	steel			
3/4"	W6DC	steel cable	steel			
1"	W8DC	steel cable	steel			
1-1/4"	W10DC	steel cable	steel			
1-1/2"	W12DC	steel cable	steel			

	W-Series Wingstyle Interchange Coupler Repair Kits						
Body Size	•	Part Detail		Repair Kit Contents			
Part #	Part #	Coupler Style	Seal Material	(for one coupler)			
3/4"	6W-RKIT-V2	all	nitrile	bonded valve, O-rings, and Hytrel® backup			
1"	8W-RKIT-V2	all	nitrile	bonded valve, O-rings, and Hytrel® backup			
1-1/4"	10W-RKIT-V2	all	nitrile	bonded valve, O-rings, and Hytrel® backup			
1-1/2"	12W-RKIT-V2	all	nitrile	bonded valve, O-rings, and Hytrel® backup			

	W-Series Wingstyle Interchange Plug Repair Kits						
Body Size	Part Detail			Repair Kit Contents			
	Part #	Coupler Style	Seal Material	(for one coupler)			
3/4"	W6-RKIT-V2	all	nitrile	valve assembly and O-ring			
1"	W8-RKIT-V2	all	nitrile	valve assembly and O-ring			
1-1/4"	W10-RKIT-V2	all	nitrile	valve assembly and O-ring			
1-1/2"	W12-RKIT-V2	all	nitrile	valve assembly and O-ring			