

W Series Wing Style Interchange

Interchange Data:

- 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 maximise 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 nipple valve are constructed of Brass

Seal Components:

- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to +121°C (-40°F to +250°F)
- Couplings have a TPC-ET back-up ring on the valve sleeve to extend service life
- Main coupler valve has a bonded face-seal to improve seal integrity during pressurised connection/disconnection
- Nipple valve seal is crimped to improve seal integrity and prolong service life
- 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 nipple for secondary sealing support.

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Rated Pressure Chart:

W-SERIES WINGSTYLE INTERCHANGE (CONNECTED)				
BODY SIZE	STEEL COUPLER/PLUG			
	MAX. WORKING		BURST	
	PSI	Bar	PSI	Bar
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:

BODY SIZE	INTERCHANGE STANDARDS				FUNCTIONAL PARAMETERS				
	U.S. MILITARY	U.S. GOVERNMENT	INTERNATIONAL STANDARDS	ANSI/NFPA STANDARDS	LOCKING BALL QUANTITY	AIR INCLUSION	FLUID LOSS	VACUUM INCH HG	FLOW $\Delta P = 22$ PSI L/MIN
3/4"	-	-	-	-	Threaded	0.34cc	0.26cc	27.4	117
1"	-	-	-	-	Threaded	0.50cc	0.35cc	27.4	192
1 1/4"	-	-	-	-	Threaded	0.68cc	0.70cc	27.4	320
1 1/2"	-	-	-	-	Threaded	0.60cc	0.94cc	27.4	414

**Impulse Testing conducted in accordance with ISO7241-2 at 133% of Working Pressure for 1,000,000 cycles both connected and disconnected.

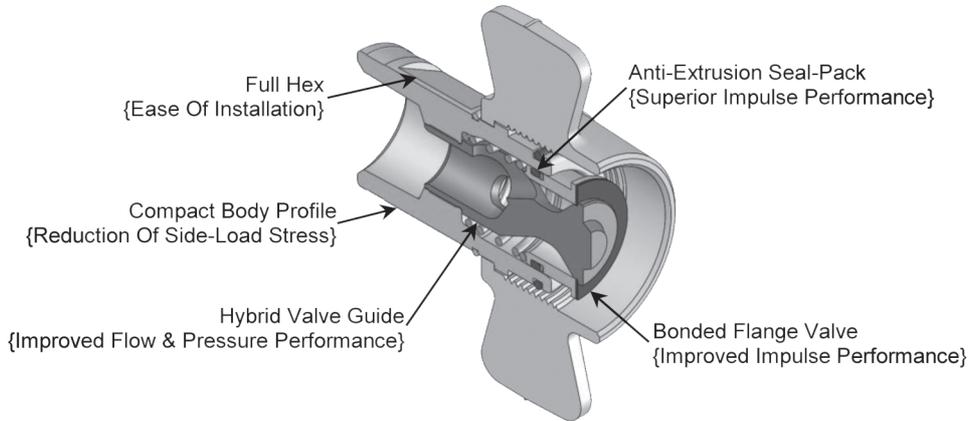
Although the wingstyle couplings are able to connect and disconnect while under pressure, it is recommended that hydraulic power supply be de-energised during connection to ensure operator safety. If it is not possible to de-energize the circuit, operators must be aware of their surroundings to ensure 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 pressure



W-Series Hydraulic Couplings

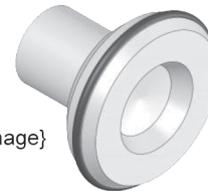
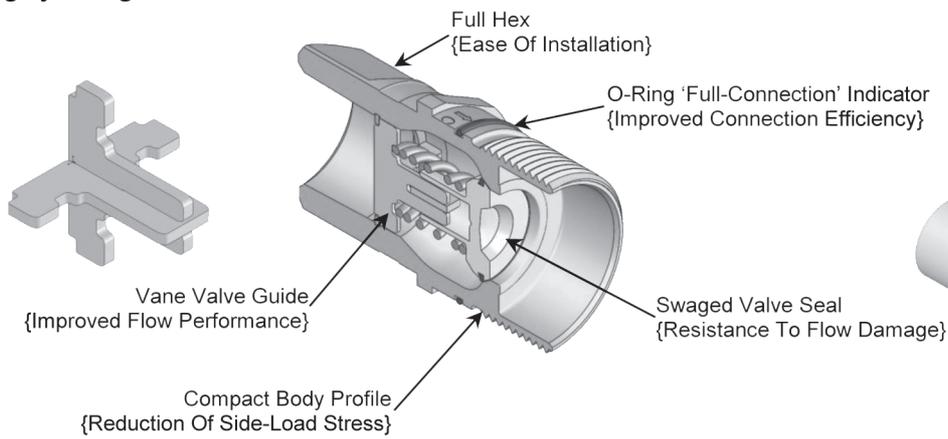
Wingstyle Socket Features



Industry 'Norm' Tubular Valve Guide
Versus
Hybrid Valve Guide



Wingstyle Plug Features





W-SERIES THREAD-TOGETHER INTERCHANGE (COUPLER RIGID DUST PLUG)

PART NO.	BODY SIZE	CAP LANYARD	BODY MATERIAL
6WDP	3/4"	SS Bead Chain	Steel
8WDP	1"	SS Bead Chain	Steel
10WDP	1 1/4"	SS Bead Chain	Steel
12WDP	1 1/2"	SS Bead Chain	Steel



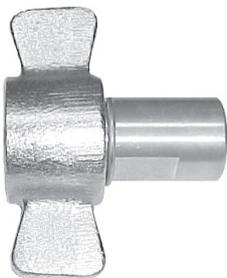
W-SERIES THREAD-TOGETHER INTERCHANGE (NIPPLE RIGID DUST CAP)

PART NO.	BODY SIZE	CAP LANYARD	BODY MATERIAL
W6DC	3/4"	SS Bead Chain	Steel
W8DC	1"	SS Bead Chain	Steel
W10DC	1 1/4"	SS Bead Chain	Steel
W12DC	1 1/2"	SS Bead Chain	Steel



W-SERIES THREAD-TOGETHER INTERCHANGE (MOUNTING FLANGE)

PART NO.	BODY SIZE	BOLT HOLE-SIZE	BODY MATERIAL
W6-BMF	3/4"	0.201	Steel
W8-BMF	1"	0.201	Steel
W10-BMF	1 1/4"	0.201	Steel
W12-BMF	1 1/2"	0.201	Steel



(Female Thread)

W-SERIES THREAD-TOGETHER INTERCHANGE (WING-NUT COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
6WBF4-B	3/4"	1/2"-14 BSPP	Brass
6WBF6-B	3/4"	3/4"-14 BSPP	Brass
8WBF8-B	1"	1"-11 BSPP	Brass
10WBF10-B	1 1/4"	1 1/4"-11 BSPP	Brass
12WBF12-B	1 1/2"	1 1/2"-11 BSPP	Brass
6WF4-B	3/4"	1/2"-14 NPTF	Brass
6WF6-B	3/4"	3/4"-14 NPTF	Brass
8WF8-B	1"	1"-11 1/2 NPTF	Brass
8WF8	1"	1"-11 1/2 NPTF	Steel
10WF10-B	1 1/4"	1 1/4"-11 1/2 NPTF	Brass
12WF12-B	1 1/2"	1 1/2"-11 1/2 NPTF	Brass



(Female Thread)

W-SERIES THREAD-TOGETHER INTERCHANGE (HEX-NUT COUPLER)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
6WBF4-B-HN	3/4"	1/2"-14 BSPP	Brass
6WBF6-B-HN	3/4"	3/4"-14 BSPP	Brass
8WBF8-B-HN	1"	1"-11 BSPP	Brass
10WBF10-B-HN	1 1/4"	1 1/4"-11 BSPP	Brass
12WBF12-B-HN	1 1/2"	1 1/2"-11 BSPP	Brass
6WF4-B-HN	3/4"	1/2"-14 NPTF	Brass
6WF6-B-HN	3/4"	3/4"-14 NPTF	Brass
8WF8-B-HN	1"	1"-11 1/2 NPTF	Brass
10WF10-B-HN	1 1/4"	1 1/4"-11 1/2 NPTF	Brass
12WF12-B-HN	1 1/2"	1 1/2"-11 1/2 NPTF	Brass

Quick Release Couplings



(Female Thread)

W-SERIES THREAD-TOGETHER INTERCHANGE (NIPPLE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
W6BF4-B	3/4"	1/2"-11 BSPP	Brass
W6BF6-B	3/4"	3/4"-14 BSPP	Brass
W8BF8-B	1"	1"-11 BSPP	Brass
W10BF10-B	1 1/4"	1 1/4"-11 BSPP	Brass
W12BF12-B	1 1/2"	1 1/2"-11 BSPP	Brass
W6F4-B	3/4"	1/2"-14 NPTF	Brass
W6F6-B	3/4"	3/4"-14 NPTF	Brass
W8F8-B	1"	1"-11 1/2 NPTF	Brass
W8F8	1"	1"-11 1/2 NPTF	Steel
W10F10-B	1 1/4"	1 1/4"-11 1/2 NPTF	Brass
W12F12-B	1 1/2"	1 1/2"-11 1/2 NPTF	Brass

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W-SERIES THREAD-TOGETHER INTERCHANGE (NIPPLE WITH FLANGE)

PART NO.	BODY SIZE	THREAD SIZE	BODY MATERIAL
W6F4-B-BMF	3/4"	1/2"-14 NPTF	Brass
W6BF4-B-BMF	3/4"	1/2"-14 BSPP	Brass
W6F6-B-BMF	3/4"	3/4"-14 NPTF	Brass
W6BF6-B-BMF	3/4"	3/4"-14 BSPP	Brass
W8F8-B-BMF	1"	1"-11 1/2 NPTF	Brass
W8BF8-B-BMF	1"	1"-11 BSPP	Brass
W10F10-B-BMF	1 1/4"	1 1/4"-11 1/2 NPTF	Brass
W10BF10-B-BMF	1 1/4"	1 1/4"-11 BSPP	Brass
W12F12-B-BMF	1 1/2"	1 1/2"-11 1/2 NPTF	Brass
W12BF12-B-BMF	1 1/2"	1 1/2"-11 BSPP	Brass