

AG-Series Hydraulic Couplings

Interchange Data:

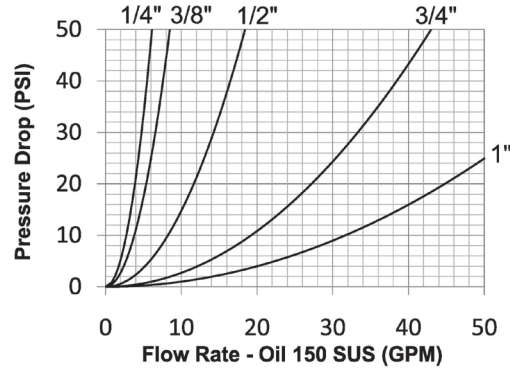
- Pioneer Agricultural Interchange
- Parker/Pioneer 4000 Series, Faster NS/NV-Series
- Safeway Series-S20, Stucchi IR-Series, Snap-Tite 60-Series

Materials:

- Machined components are manufactured using solid steel bar stock.
- Stainless steel balls, retaining rings, and springs maximize corrosion resistance and extend service life.
- Steel componentry is plated using ROHS Compliant Trivalent Chrome.
- Steel coupler sleeves are hardened to resist deformation and maximize service life.
- Steel nipples (poppet style) are hardened to provide heavy duty performance and resist brinelling.

Seal Components:

- Nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Couplers have a PTFE Anti-Extrusion ring
- Poppet valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurized connection.



Rated Pressure Chart:

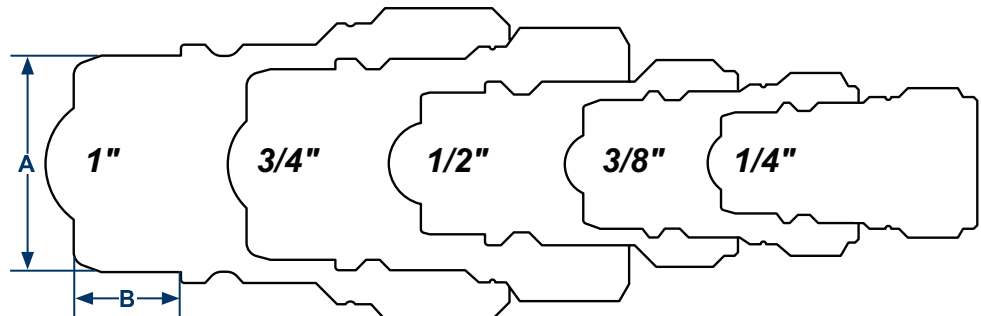
Body Size	AG-Series Agricultural Interchange (Connected)							
	Ball Steel Coupler/Plug				Poppet Steel Coupler/Plug			
	Maximum Working		Burst		Maximum Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4"	4,000	275	24,400	1,700	4,000	275	21,000	1,500
3/8"	4,000	275	25,000	1,700	4,000	275	23,100	1,600
1/2"	4,000	275	16,500	1,100	4,000	275	16,500	1,100
3/4"	3,000	200	15,800	1,050	3,000	200	10,300	700
1"	3,000	200	13,500	900	3,000	200	13,000	900

Technical Specifications:

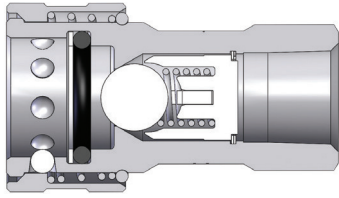
Body Size	Interchange Standards				Functional Parameters				
	U.S. Military	U.S. Government	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Inch HG	Flow $\Delta P = 22$ PSI
1/4"	-	-	-	-	8	1.1cc	0.9cc	26.5	4 GPM
3/8"	-	-	-	-	9	2.6cc	1.8cc	26.5	6 GPM
1/2"	-	-	ISO7241 'A'	-	9	3.8cc	2.9cc	26.5	12 GPM
3/4"	-	-	ISO5675	-	12	10.8cc	9.7cc	26.5	28 GPM
1"	-	-	-	-	12	15.9cc	15.3cc	26.5	48 GPM

AG Series Profiles

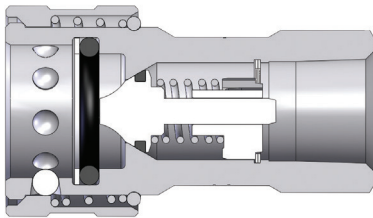
Body Size	A	B
1/4"	9/16"	5/16"
3/8"	3/4"	11/32"
1/2"	5/8"	5/16"
3/4"	15/16"	7/16"
1"	1-3/16"	3/8"



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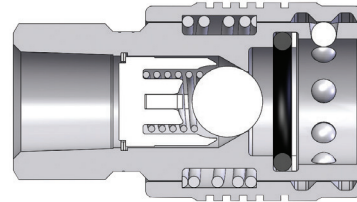
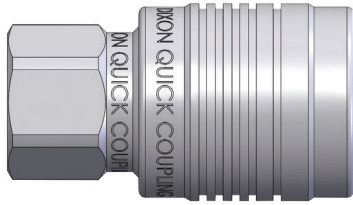


Body Size	AG-Series Agricultural Interchange Ball Valve Coupler (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1/4"	2AGF2	1/4" - 18 NPTF	steel	2.06	52.3	1.12	28.4	7/8"	10	50
3/8"	3AGF3	3/8" - 18 NPTF	steel	2.31	58.6	1.42	36.0	7/8"	10	50
1/2"	4AGF4	1/2" - 14 NPTF	steel	2.62	66.5	1.50	38.1	1-1/16"	5	25
1/2"	4AGBF4	1/2" - 14 BSPP	steel	2.62	66.5	1.50	38.1	1-1/16"	5	25
1/2"	4AGOF4	3/4" - 16 ORB	steel	2.62	66.5	1.50	38.1	1-1/16"	5	25
1/2"	4AGOF5	7/8" - 14 ORB	steel	2.66	67.5	1.50	38.1	1-3/32"	5	25
1/2"	4AGF6	3/4" - 14 NPTF	steel	2.64	67.0	1.50	38.1	1-5/16"	5	25
3/4"	6AGF6	3/4" - 14 NPTF	steel	3.23	82.0	1.88	47.7	1-5/16"	-	10
1"	8AGF8	1" - 11-1/2 NPTF	steel	3.79	96.2	2.12	53.8	1-5/8"	-	10

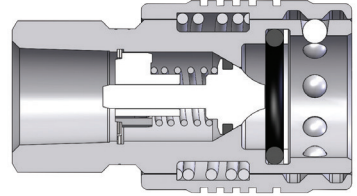
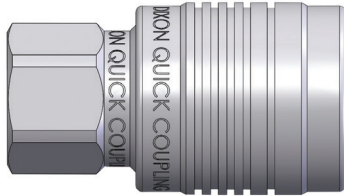


Body Size	AG-Series Agricultural Interchange Poppet Valve Coupler (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1/4"	2AGF2-PV	1/4" - 18 NPTF	steel	2.06	52.3	1.12	27.0	7/8"	10	50
3/8"	3AGF3-PV	3/8" - 18 NPTF	steel	2.31	58.6	1.42	34.0	7/8"	10	50
1/2"	4AGF4-PV	1/2" - 14 NPTF	steel	2.62	66.5	1.50	37.8	1-1/16"	5	25
1/2"	4AGBF4-PV	1/2" - 14 BSPP	steel	2.62	66.5	1.50	37.8	1-1/16"	5	25
1/2"	4AGOF4-PV	3/4" - 16 ORB	steel	2.62	66.5	1.50	37.8	1-1/16"	5	25
1/2"	4AGOF5-PV	7/8" - 14 ORB	steel	2.66	67.5	1.50	37.8	1-3/32"	5	25
1/2"	4AGF6-PV	3/4" - 14 NPTF	steel	2.64	67.0	1.50	37.8	1-5/16"	5	25
3/4"	6AGF6-PV	3/4" - 14 NPTF	steel	3.23	82.0	1.88	48.0	1-5/16"	-	10
1"	8AGF8-PV	1" - 11-1/2 NPTF	steel	3.79	96.2	2.12	55.0	1-5/8"	-	10

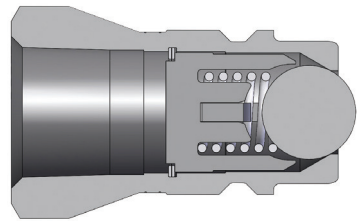
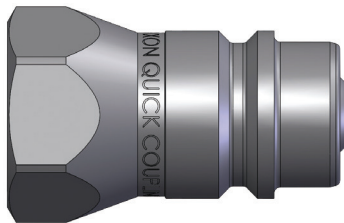
AG-Series Hydraulic Couplings



Body Size	AG-Series Agricultural Push-Pull Ball Valve Coupler (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
3/8"	3AGF3-PS	3/8" - 18 NPTF	steel	2.31	58.6	1.42	36.07	7/8"	5	25
1/2"	4AGF4-PS	1/2" - 14 NPTF	steel	2.62	66.5	1.49	37.8	1-1/16"	5	25
1/2"	4AGOF4-PS	3/4" - 16 ORB	steel	2.62	66.5	1.48	37.8	1-1/16"	5	25
1/2"	4AGOF5-PS	7/8" - 14 ORB	steel	2.66	67.5	1.48	37.8	1-1/16"	5	25
1/2"	4AGF6-PS	3/4" - 14 NPTF	steel	2.74	69.6	1.48	37.8	1-3/16"	5	25
3/4"	6AGF6-PS	3/4" - 14 NPTF	steel	3.23	82.0	1.86	47.2	1-3/16"	5	25



Body Size	AG-Series Agricultural Push-Pull Poppet Valve Coupler (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
3/8"	3AGF3-PV-PS	3/8" - 18 NPTF	steel	2.31	58.6	1.42	36.0	7/8"	5	25
1/2"	4AGF4-PV-PS	1/2" - 14 NPTF	steel	2.62	66.5	1.49	37.8	1-1/16"	5	25
1/2"	4AGOF4-PV-PS	3/4" - 16 ORB	steel	2.62	66.5	1.49	37.8	1-1/16"	5	25
1/2"	4AGOF5-PV-PS	7/8" - 14 ORB	steel	2.66	66.5	1.49	37.8	1-1/16"	5	25
1/2"	4AGF6-PV-PS	3/4" - 14 NPTF	steel	2.74	69.6	1.49	37.8	1-3/16"	5	25
1/2"	6AGF6-PV-PS	3/4" - 14 NPTF	steel	3.23	82.0	1.86	47.2	1-3/16"	5	25



Body Size	AG-Series Agricultural Interchange Ball Valve Nipple (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1/4"	AG2F2	1/4" - 18 NPTF	steel	1.42	36.0	0.84	21.3	3/4"	10	50
3/8"	AG3F3	3/8" - 18 NPTF	steel	1.61	40.8	1.05	26.6	15/16"	10	50
1/2"	AG4F4	1/2" - 14 NPTF	steel	1.95	49.5	1.21	30.7	1-1/16"	5	25
1/2"	AG4BF4	1/2" - 14 BSPP	steel	1.95	49.5	1.21	30.7	1-1/16"	5	25
1/2"	AG4OF4	3/4" - 16 ORB	steel	2.10	53.3	1.26	30.7	1-1/16"	5	25
1/2"	AG4OF5	7/8" - 14 ORB	steel	2.10	53.3	1.26	32.0	1-1/4"	5	25
1/2"	AG4F6	3/4" - 14 NPTF	steel	2.30	58.4	1.32	33.5	1-3/16"	5	25
3/4"	AG6F6	3/4" - 14 NPTF	steel	2.30	58.4	1.51	38.3	1-3/8"	-	10
1"	AG8F8	1" - 11-1/2 NPTF	steel	2.57	65.2	1.74	44.7	1-5/8"	-	10

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Body Size	AG-Series Agricultural Interchange Poppet Valve Nipple (Female Threads)									
	Part Detail			Length		Maximum OD		Hex Inch	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1/4"	AG2F2-PV	1/4" - 18 NPTF	steel	1.42	36.0	0.84	21.3	3/4"	10	50
3/8"	AG3F3-PV	3/8" - 18 NPTF	steel	1.61	40.8	1.05	26.6	15/16"	10	50
1/2"	AG4F4-PV	1/2" - 14 NPTF	steel	2.08	52.8	1.21	30.7	1-1/16"	5	25
1/2"	AG4BF4-PV	1/2" - 14 BSPP	steel	2.08	52.8	1.21	30.7	1-1/16"	5	25
1/2"	AG4OF4-PV	3/4" - 16 ORB	steel	2.08	52.8	1.21	30.7	1-1/16"	5	25
1/2"	AG4OF5-PV	7/8" - 14 ORB	steel	2.13	54.1	1.26	32.0	1-1/16"	5	25
1/2"	AG4F6-PV	3/4" - 14 NPTF	steel	2.30	58.4	1.32	33.5	1-3/16"	5	25
3/4"	AG6F6-PV	3/4" - 14 NPTF	steel	2.30	58.4	1.51	38.3	1-3/8"	-	10
1"	AG8F8-PV	1" - 11-1/2 NPTF	steel	2.71	68.8	1.76	44.7	1-5/8"	-	10



Body Size	AG-Series Agricultural Interchange Coupler Dust Plug				
	Part Detail			Package Qty	
	Part Number	Lanyard	Body	Bag	Box
1/4"	2AGDP	elastomer	elastomer	10	50
3/8"	3AGDP	elastomer	elastomer	10	50
1/2"	For 1/2" please refer to the color coded K-Series Dust Caps on pg. 85				
3/4"	6AGDP	elastomer	elastomer	5	25
1"	8AGDP	elastomer	elastomer	5	25



Body Size	AG-Series Agricultural Interchange Nipple Dust Cap				
	Part Detail			Package Qty	
	Part Number	Lanyard	Body	Bag	Box
1/4"	AG2DC	elastomer	elastomer	10	50
3/8"	AG3DC	elastomer	elastomer	10	50
1/2"	For 1/2" please refer to the color coded K-Series Dust Caps on pg. 85				
3/4"	AG6DC	elastomer	elastomer	5	25
1"	AG8DC	elastomer	elastomer	5	25