

Hydraulic Quick Couplings

General Purpose

4000 Series Couplers ISO 5675 Nipples (1/2" size)

Manual Sleeve, Poppet/Ball Valve



The 4000 Series brings to the industry a proven design for use on agricultural machinery and other rugged applications.



Features:

- 1/2" size accepts ISO 5675 universal tips
- 1/2" size accepts ISO 7241 nipples
- Basic operation where coupler sleeve is manually retracted to allow connection with male tip
- Critical parts are hardened
- Ball and poppet valve options
- Protective zinc plating with clear trivalent chromate finish

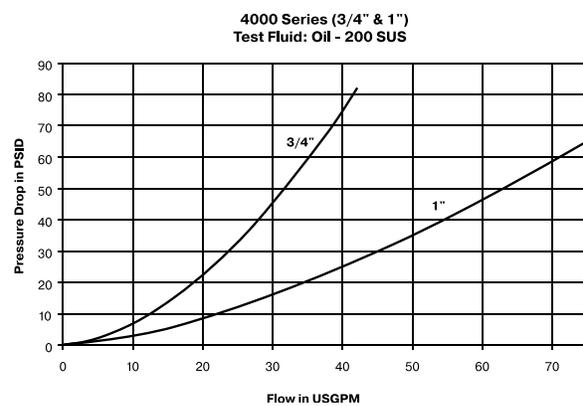
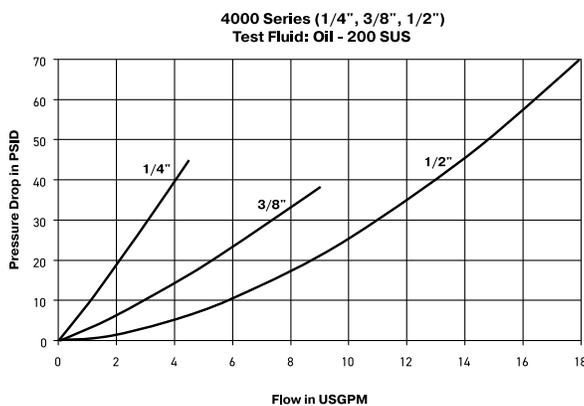
Applications include:

- Hydraulic Loaders
- Add-on hydraulic circuits
- Hydraulic Tools

4000 Series Specifications

Body Size	Rated Flow (gpm)	Rated Pressure (psi)	Temperature	Body Material	Sleeve Type	Seal Material
1/4	3	3000	-40° F to +250° F	Steel	Manual Connect	Nitrile
3/8	6					
1/2	12					
3/4	28					
1	50					

Performance



4050 Series Replacement O-Rings

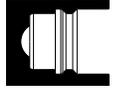
Body Size	Material	Part Number	Durometer
1/4	Nitrile	50001-113-0260	90
3/8	Nitrile	50001-116-0260	90
1/2	Nitrile	50001-211-0260	90
3/4	Nitrile	50001-215-0010	70
1	Nitrile	50001-218-0260	90

Hydraulic Quick Couplings

General Purpose

4000 Series Couplers ISO 5675 Nipples (1/2" size)

Manual Sleeve, Poppet/Ball Valve



Optional Materials and Features:

(add code to part number)

Contact QCD for availability and additional options.

To select proper seal materials, see Fluid Compatibility Chart or contact QCD.

Code	Description	Part Number Example
suffix W	Ethylene Propylene seal material- EPR	4050-4PW
suffix Y	Fluorocarbon seal material	4050-4PY
suffix Z	Neoprene seal material	4050-4PZ

4000 Series Couplers



Body Size (in.)	Coupler Part Number Steel	Port End	Valve Type	Length (in.)	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	4050-2P	1/4-18 NPTF	Poppet	2.18	1.06	0.88	0.24
1/4	4050-2P-T8M	3/4-16 ORB (Male)	Poppet	1.80	1.06	0.88	0.21
1/4	4050-T6	9/16-18 ORB	Poppet	2.18	1.06	0.88	0.27
1/4	4050P-T6*	9/16-18 ORB	Poppet	2.43	1.33	0.88	0.33
3/8	4050-3P	3/8-18 NPTF	Poppet	2.31	1.33	0.94	0.51
1/2	4050-4	1/2-14 NPTF	Ball	2.60	1.50	1.06	0.58
1/2	4050-4P	1/2-14 NPTF	Poppet	2.60	1.50	1.06	0.58
1/2	4050-5	3/4-14 NPTF	Ball	2.69	1.50	1.13	0.71
1/2	4050-5P	3/4-14 NPTF	Poppet	2.69	1.50	1.13	0.71
1/2	4050-15	3/4-16 ORB	Ball	2.81	1.50	1.06	0.64
1/2	4050-15P	3/4-16 ORB	Poppet	2.81	1.50	1.06	0.64
1/2	4050-16	7/8-14 ORB	Ball	2.75	1.50	1.06	0.59
1/2	4050-16P	7/8-14 ORB	Poppet	2.75	1.50	1.06	0.59
1/2	4050-29BSPP	1/2-14 BSPP	Ball	2.68	1.50	1.06	0.59
3/4	4150-5	3/4-14 NPTF	Ball	3.06	1.87	1.38	1.00

* Special Push/Pull Sleeve

WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Hydraulic Quick Couplings

General Purpose

4000 Series Couplers ISO 5675 Nipples (1/2" size)

Manual Sleeve, Poppet/Ball Valve



8010 Series Nipples



Body Size (in.)	Nipple Part Number Steel	Port End	Valve Type	Length (in.)	Exposed Length*	Largest Diameter	Wrench Flats	Weight (lbs.)
1/4	4010-2P	1/4-18 NPTF	Poppet	1.48	0.71	0.87	0.75	0.08
1/4	4010-T6	9/16-18 ORB	Poppet	1.60	0.81	0.87	0.75	0.09
3/8	4010-3P	3/8-18 NPTF	Poppet	1.60	0.80	1.08	0.94	0.16
1/2	8010-4	1/2-14 NPTF	Ball	1.95	1.09	1.23	1.06	0.20
1/2	8010-4P	1/2-14 NPTF	Poppet	1.95	1.09	1.23	1.06	0.20
1/2	8010-5	3/4-14 NPTF	Ball	2.14	1.28	1.44	1.25	0.25
1/2	8010-5P	3/4-14 NPTF	Poppet	2.14	1.28	1.44	1.25	0.25
1/2	8010-15	3/4-16 ORB	Ball	1.95	1.20	1.23	1.06	0.20
1/2	8010-15P	3/4-16 ORB	Poppet	1.95	1.20	1.23	1.06	0.20
1/2	8010-16	7/8-14 ORB	Ball	1.95	1.18	1.23	1.06	0.25
1/2	8010-16P	7/8-14 ORB	Poppet	1.95	1.18	1.23	1.06	0.25
1/2	8010-29BSPP	1/2-14 BSPP	Ball	1.95	1.09	1.18	1.06	0.25
3/4	4110-5	3/4-14 NPTF	Ball	1.81	1.23	1.52	1.31	0.50
1	4010-6P	1-11 1/2 NPTF	Poppet	2.79	1.49	1.88	1.63	0.62

* This dimension represents the portion of the nipple that is exposed when the nipple and coupler are connected.

4000 Series Dust Caps and Plugs



Body Size (in.)	Dust Plug (Coupler)	Color/Material	Dust Plug (Nipple)	Weight (lbs.)
1/4	5205-2M	Black Rubber	5209-2M	0.02
3/8	5205-3M	Black Rubber	5209-3M	0.03
1/2	5205-4M	Black Rubber	5209-4M	0.04
1/2	5005-4	Steel w/Chain	5009-4	0.21
1/2	5205-4M-BU	Blue Rubber	5209-4M-BU	0.04
1/2	5205-4M-GR	Green Rubber	5209-4M-GR	0.04
1/2	5205-4M-RE	Red Rubber	5209-4M-RE	0.04
1/2	5205-4M-YE	Yellow Rubber	5209-4M-YE	0.04
3/4	5205-5M	Black Rubber	5209-5M	0.05
1	5205-6M	Black Rubber	5209-6M	0.06

WARNING

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov