

Hydraulic Quick Couplings

General Purpose

60 Series

ISO 7241, Series B

Manual sleeve, poppet valve



B Hydraulics



60 Series double shut-off couplings are versatile for use across a spectrum of hydraulic applications where fluid lines require connection and disconnection. Couplers and nipples are available in a wide range of sizes and materials.

Features:

- Accepts ISO 7241-1, Series B compliant nipples
- Poppet valves along with a metal to metal stop maintains valve alignment and prevents flow checking
- Steel, brass, and stainless steel material options
- Brass couplers have double O-rings and stainless steel locking balls
- Steel coupler sleeve and steel nipple body are hardened to be wear resistant
- Standard end configurations include female pipe and straight thread ORB
- Optional Sleeve-Lok and alternative seal materials available

Applications include:

- Industrial hydraulic lines
- Food and chemical processing
- Water and coolant lines
- Mobile equipment
- May be used with some gases

General Purpose Specifications

Industry Standard: Parker 60 Series couplings comply with ISO 7241 Series B Standard.

ANSI/ISO Pressure Rating: Dynamic applications with normal to moderate hydraulic shocks such as general industrial equipment, hydraulic presses, agricultural equipment, etc. Impulse tested at a multiple (125% to 133%) of rated pressure.

Low Cycle, Non-pulsating Pressure Rating: Applications with lower cycle life and no severe cyclic pressure fluctuations, essentially steady pressure during an operating cycle. Typical applications include hydraulic jacks, mine roof support systems, and high pressure fluid transfer (pumping water or slurry in oil wells). Minor pump ripple is considered non-pulsating. Impulse tested at rated pressure.

Body Size	ANSI/ISO Pressure Rating (psi)								Low Cycle, Non-pulsating Pressure Rating (psi)							
	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2
Brass	1000	1000	1000	1000	1000	1000	800	800	3000	3700	2700	3500	2200	1500	1500	1200
Stainless steel	2000	2000	1500	1500	1500	1000	1000	1000	5000	5000	5000	5000	3000	3000	1500	1500
Steel	5000	5000	4000	4000	2500	2000	1000	1000	5000	5000	4000	4000	2500	2000	1500	1500
Steel w/ HD nipple	N/A	5000	4000	4000	3000	3000	N/A	N/A	5000	5000	4000	4000	3000	3000	N/A	N/A

Seal Temperature Range: **Nitrile:** -40°F to +250°F (Standard seal for Brass, Steel, & 303 Stainless Steel couplings).

Fluorocarbon: -15°F to +400°F (Standard seal for 316 Stainless Steel couplings).

Other Seal materials: Contact the Division for availability.

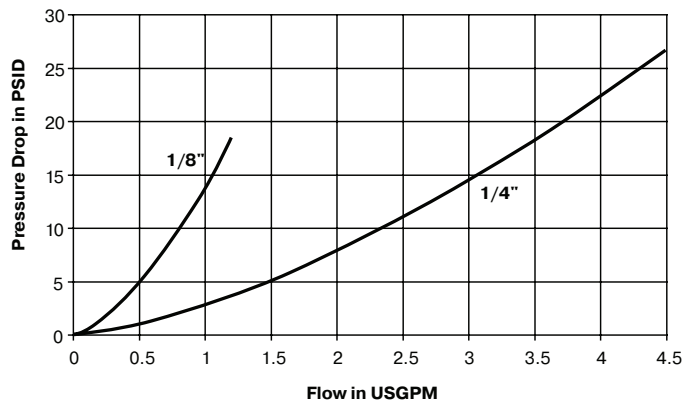
Vacuum Data: 27.4 inches Hg (-0.9 Bar) both connected and disconnected. (1-1/2" and 2-1/2" body size 60 Series couplings are not recommended for service in disconnected mode)

Body Size	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2 1/2
Rated Flow (gpm)	.8	3	6	12	28	50	100	200

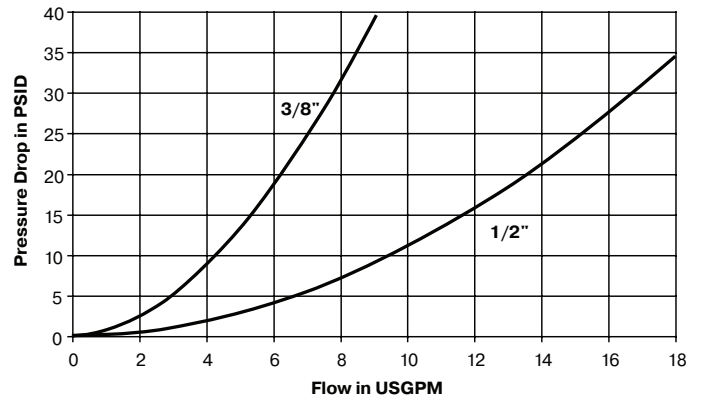


Performance

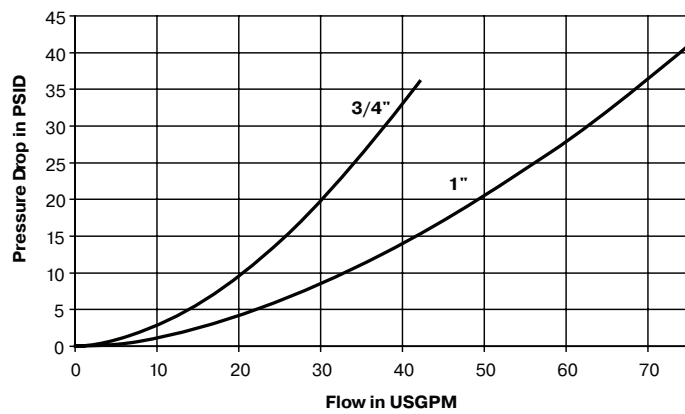
60 Series (1/8" & 1/4")
Test Fluid: Oil - 150 SUS



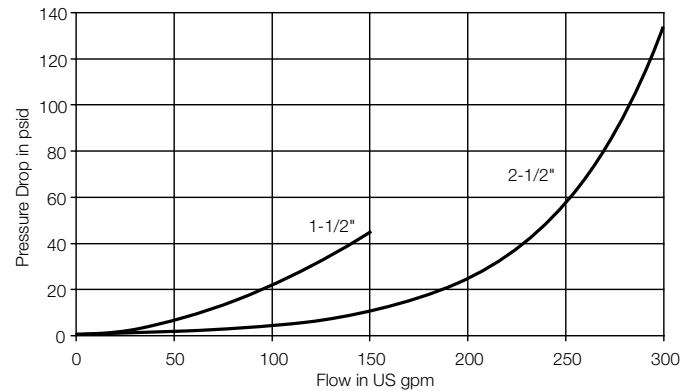
60 Series (3/8" & 1/2")
Test Fluid: Oil - 150 SUS



60 Series (3/4" & 1")
Test Fluid: Oil - 150 SUS



60 Series (1-1/2" & 2-1/2")
Test Fluid: Oil - 200 SUS



Optional Materials and Features:

(add code to part number)

Code	Description	Part Number Example
suffix -VA	Valve actuator (Nipples)	H3-63-VA
suffix -SL	Sleeve-Lok (Couplers)	H3-62-SL
prefix HD	Heavy duty (Steel Nipples)	HDH3-63
suffix W	Ethylene Propylene seal material (EPR)	H3-63W
suffix Y	Fluorocarbon seal material	H3-62Y
suffix Z	Neoprene seal material	H3-63Z

Contact QCD for availability and additional options.

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



Couplers - Brass, Steel, 303 Stainless - Female Thread



Body Size	Part No. Brass	Weight (lbs.)	Part No. Steel	Weight (lbs.)	Part No. Type 303 Stainless**	Weight (lbs.)	Thread Size	Overall Length	Wrench Flats	Largest Dia
1/8	BH1-60	0.16	H1-62	0.16	SH1-62	0.16	1/8-27 NPTF	1.90	0.68	0.96
1/8	-	-	H1-62-T4	0.18	SH1-62-T4	0.10	7/16-20 ORB	2.06	0.68	0.96
1/4	BH2-60	0.32	H2-62	0.30	SH2-62	0.30	1/4-18 NPTF	2.26	0.81	1.14
1/4	-	-	H2-62-T6	0.31	SH2-62-T6	0.31	9/16-18 ORB	2.41	0.81	1.14
3/8	BH3-60	0.43	H3-62	0.40	SH3-62	0.40	3/8-18 NPTF	2.49	0.88	1.40
3/8	-	-	H3-62-T8	0.51	SH3-62-T8	0.51	3/4-16 ORB	2.75	1.00	1.40
1/2	BH4-60	0.80	H4-62	0.73	SH4-62	0.75	1/2-14 NPTF	2.87	1.12	1.77
1/2	-	-	H4-62-T10	0.78	SH4-62-T10	0.75	7/8-14 ORB	3.05	1.12	1.77
3/4	BH6-60	1.31	H6-62	1.30	SH6-62	1.31	3/4-14 NPTF	3.56	1.31	2.14
3/4	-	-	H6-62-T12	1.39	SH6-62-T12	1.34	1-1/16 - 12 ORB	3.56	1.31	2.14
1	BH8-60	1.95	H8-62	1.95	SH8-62	1.95	1 - 11 1/2 NPTF	4.18	1.62	2.52
1	-	-	H8-62-T16	1.95	SH8-62-T16	1.95	1-5/16 - 12 ORB	4.18	1.62	2.52

Couplers - Brass, Steel, 303 Stainless - Female Thread



Body Size	Part No. Brass	Weight (lbs.)	Part No. Steel	Weight (lbs.)	Part No. Type 303 Stainless**	Weight (lbs.)	Thread Size	Overall Length	Wrench Flats	Largest Dia
1-1/2	BH12-60L	4.58	H12-62L	4.70	SH12-62L	4.68	1-1/4 - 11 1/2 NPTF	4.86	2.38*	3.00
1-1/2	BH12-60N	4.58	H12-62N	4.70	SH12-62N	4.68	1-1/2 - 11 1/2 NPTF	4.86	2.38*	3.00
1-1/2	-	4.61	H12-62-T20	4.72	SH12-62-T20	4.71	1-5/8 - 12 ORB	4.86	2.38*	3.00
1-1/2	-	4.61	H12-62-T24	4.72	SH12-62-T24	4.71	1-7/8 - 12 ORB	4.86	2.38*	3.00
2-1/2	BH2016-60	11.06	H2016-62	10.58	SH2016-62	-	2 - 11 1/2 NPTF	5.57	3.75	4.10
2-1/2	BH2020-60	11.42	H2020-62	10.91	SH2020-62	-	2 1/2 - 8 NPTF	6.04	3.75	4.10
2-1/2	BH2024-60	-	H2024-62	-	SH2024-62	-	3 - 8 NPTF	6.69	4.00	4.35

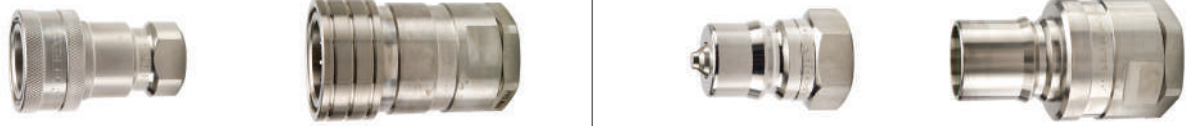
* Wrench Flat on 303 Stainless is 2.50 in.

** Prop 65 Warning does not apply to stainless steel part numbers

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



Couplers and Nipples - 316 Stainless - Female Thread



Body Size	Coupler Part No. Type 316 Stainless**	Weight (lbs.)	Thread Size	Overall Length	Wrench Flats	Largest Dia	Nipple Part No. Type 316 Stainless**	Weight (lbs.)	Overall Length	Exposed Length*	Wrench Flats	Largest Dia
1/8	SSH1-62Y	0.15	1/8-27 NPT	1.90	0.68	0.96	SSH1-63Y	0.04	1.26	0.44	0.56	0.65
1/8	SSH1-62Y-T4	0.17	7/16-20 ORB	2.06	0.68	0.96	SSH1-63Y-T4	0.06	1.41	0.59	0.69	0.78
1/4	SSH2-62Y	0.30	1/4-18 NPT	2.26	0.81	1.14	SSH2-63Y	0.08	1.54	0.55	0.75	0.87
1/4	SSH2-62Y-T6	0.31	9/16-18 ORB	2.41	0.81	1.14	SSH2-63Y-T6	0.10	1.69	0.70	0.88	1.01
3/8	SSH3-62Y	0.40	3/8-18 NPT	2.49	0.88	1.40	SSH3-63Y	0.12	1.68	0.54	0.88	1.01
3/8	SSH3-62Y-T8	0.51	3/4-16 ORB	2.75	1.00	1.40	SSH3-63Y-T8	0.14	1.94	0.80	1.00	1.15
1/2	SSH4-62Y	0.76	1/2-14 NPT	2.87	1.12	1.77	SSH4-63Y	0.24	1.94	0.69	1.12	1.30
1/2	SSH4-62Y-T10	0.78	7/8-14 ORB	3.05	1.12	1.77	SSH4-63Y-T10	0.27	2.12	0.87	1.19	1.37
3/4	SSH6-62Y	1.33	3/4-14 NPT	3.56	1.31	2.14	SSH6-63Y	0.46	2.43	0.79	1.38	1.59
3/4	SSH6-62Y-T12	1.40	1-1/16 - 12 ORB	3.56	1.31	2.14	SSH6-63Y-T12	0.50	2.54	0.90	1.34	1.59
1	SSH8-62Y	1.95	1 - 11 1/2 NPT	4.18	1.62	2.52	SSH8-63Y	0.76	2.91	0.99	1.62	1.88
1	SSH8-62Y-T16	1.95	1-5/16 - 12 ORB	4.18	1.62	2.52	SSH8-63Y-T16	0.80	2.91	0.99	1.62	1.88
1-1/2	SSH12-62LY	4.68	1-1/4 - 11 1/2 NPT	4.86	2.38*	3.00	SSH12-63LY	-	4.76	2.69	2.38‡	2.75†
1-1/2	SSH12-62NY	4.68	1-1/2 - 11 1/2 NPT	4.86	2.38*	3.00	SSH12-63NY	-	4.76	2.69	2.38‡	2.75†
1-1/2	SSH12-62Y-T20	4.71	1-5/8 - 12 ORB	4.86	2.38*	3.00	SSH12-63Y-T20	-	4.76	2.69	2.38‡	2.75†
1-1/2	SSH12-62Y-T24	4.71	1-7/8 - 12 ORB	4.86	2.38*	3.00	SSH12-63Y-T24	-	4.76	2.69	2.38‡	2.75†
2-1/2	SSH2016-62Y	-	2 - 11 1/2 NPT	5.57	3.75	4.10	SSH2016-63Y	-	5.48	2.90	3.75	4.10
2-1/2	SSH2020-62Y	-	2 1/2 - 8 NPT	6.04	3.75	4.10	SSH2020-63Y	-	5.95	3.37	3.75	4.10
2-1/2	SSH2024-62Y	-	3 - 8 NPT	6.69	4.00	4.35	SSH2024-63Y	-	6.87	4.29	4.00	4.35

* This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.

** Prop 65 Warning does not apply to stainless steel part numbers



Nipples - Brass, Steel, 303 Stainless - Female Thread



Body Size	Part No. Brass	Weight (lbs.)	Part No. Steel	Weight (lbs.)	Part No. Type 303 Stainless**	Weight (lbs.)	Thread Size	Overall Length	Exposed Length*	Wrench Flats	Largest Dia
1/8	BH1-61	0.04	H1-63	0.03	SH1-63	0.03	1/8-27 NPTF	1.26	0.44	0.56	0.65
1/8	-	0.06	H1-63-T4	0.05	SH1-63-T4	-	7/16-20 ORB	1.41	0.59	0.69	0.78
1/4	BH2-61	0.09	H2-63	0.08	SH2-63	0.08	1/4-18 NPTF	1.54	0.55	0.75	0.87
1/4	-	0.11	H2-63-T6	0.10	SH2-63-T6	0.10	9/16-18 ORB	1.69	0.70	0.88	1.01
3/8	BH3-61	0.10	H3-63	0.12	SH3-63	0.12	3/8-18 NPTF	1.68	0.54	0.88	1.01
3/8	-	0.12	H3-63-T8	0.16	SH3-63-T8	0.16	3/4-16 ORB	1.94	0.80	1.00	1.15
1/2	BH4-61	0.25	H4-63	0.24	SH4-63	0.24	1/2-14 NPTF	1.94	0.69	1.12	1.30
1/2	-	0.28	H4-63-T10	0.27	SH4-63-T10	0.27	7/8-14 ORB	2.12	0.87	1.19	1.37
3/4	BH6-61	0.50	H6-63	0.46	SH6-63	0.45	3/4-14 NPTF	2.43	0.79	1.38	1.59
3/4	-	0.55	H6-63-T12	0.46	SH6-63-T12	0.50	1-1/16 - 12 ORB	2.54	0.90	1.34	1.59
1	BH8-61	0.76	H8-63	0.76	SH8-63	0.76	1 - 11 1/2 NPTF	2.91	0.99	1.62	1.88
1	-	0.80	H8-63-T16	0.80	SH8-63-T16	0.80	1-5/16 - 12 ORB	2.91	0.99	1.62	1.88

* This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.

Nipples - Brass, Steel, 303 Stainless - Female Thread



Body Size	Part No. Brass	Weight (lbs.)	Part No. Steel	Weight (lbs.)	Part No. Type 303 Stainless**	Weight (lbs.)	Thread Size	Overall Length	Exposed Length*	Wrench Flats	Largest Dia
1-1/2	BH12-61L	2.96	H12-63L	3.10	SH12-63L	3.06	1-1/4 - 11 1/2 NPTF	4.76	2.69	2.38‡	2.75†
1-1/2	BH12-61N	2.96	H12-63N	3.10	SH12-63N	3.06	1-1/2 - 11 1/2 NPTF	4.76	2.69	2.38‡	2.75†
1-1/2	-	-	H12-63-T20	3.15	SH12-63-T20	3.14	1-5/8 - 12 ORB	4.76	2.69	2.38‡	2.75†
1-1/2	-	-	H12-63-T24	3.15	SH12-63-T24	3.14	1-7/8 - 12 ORB	4.76	2.69	2.38‡	2.75†
2-1/2	BH2016-61	7.78	H2016-63	7.90	SH2016-63	7.92	2 - 11 1/2 NPTF	5.48	2.90	3.75	4.10
2-1/2	BH2020-61	8.12	H2020-63	8.16	SH2020-63	8.16	2-1/2 - 8 NPTF	5.95	3.37	3.75	4.10
2-1/2	BH2024-61	-	H2024-63	-	SH2024-63	-	3 - 8 NPTF	6.87	4.29	4.00	4.35

* This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker Coupler.

† Largest diameter on Brass is 2.96" across Hex Corners

‡ Hex on 303 Stainless is 2.50 in.

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Replacement Parts		
60 Series Couplers		
Body Size	O-Rings - Nitrile	Back-Up Rings
1/8	50001-013-0010	H67A-28
1/4	50001-015-0010	H67C-28
3/8	50001-116-0010	4118007
1/2	50001-213-0010	4128002
3/4	50001-218-0010	4148001
1	50001-222-0010	4158001
1-1/2	50001-124-0010 (Valve)	
1-1/2	50001-138-0260 (Fitting)	
1-1/2	50001-224-0010 (Body 2 req.)	
2-1/2	50001-133-0010 (Valve)	
2-1/2	50001-234-0260 (Fitting)	
2-1/2	50001-333-0010 (Body)	

Repair Kits				
Couplers			Nipples	
Body Size	Repair Kit Part No.	Used for Part No.	Repair Kit Part No.	Used for Part No.
3/8	H67E-62K	H3-62	H67E-63K	H3-63
3/8	BH67E-60K	BH3-60	BH67E-61K	BH3-61
3/8	SH67E-62K	SH3-62	SH67E-63K	SH3-63
3/8	SSH67E-62KY	SSH3-62Y	SSH67E-63KY	SSH3-63Y
1/2	H67F-62K	H4-62	H67F-63K	H4-63
1/2	BH67F-60K	BH4-60	BH67F-61K	BH4-61
1/2	SH67F-62K	SH4-62	SH67F-63K	SH4-63
1/2	SSH67F-62KY	SSH4-62Y	SSH67F-63KY	SSH4-63Y
3/4	H67G-62K	H6-62	H67G-63K	H6-63
3/4	BH67G-60K	BH6-60	BH67G-61K	BH6-61
3/4	SH67G-62K	SH6-62	SH67G-63K	SH6-63
3/4	SSH67G-62KY	SSH6-62Y	SSH67G-63KY	SSH6-63Y
1	H67J-62K	H8-62	H67J-63K	H8-63
1	BH67J-60K	BH8-60	BH67J-61K	BH8-61
1	SH67J-62K	SH8-62	SH67J-63K	SH8-63
1	SSH67J-62KY	SSH8-62Y	SSH67J-63KY	SSH8-63Y

60 Series Dust Plugs and Caps				
Body Size	Coupler Dust Plug Aluminum	Coupler Dust Plug Rubber	Nipple Dust Cap Aluminum	Nipple Dust Cap Rubber
1/8	H1-65	H1-65M	H1-66	H1-66M
1/4	H2-65	H2-65M	H2-66	H2-66M
3/8	H3-65	H3-65M	H3-66	H3-66M
1/2	H4-65	H4-65M	H4-66	H4-66M
3/4	H6-65	H6-65M	H6-66	H6-66M
1	H8-65	H8-65M	H8-66	H8-66M
1-1/2	H12-65	-	H12-66	-
2-1/2	H20P-65	-	H20P-66	-