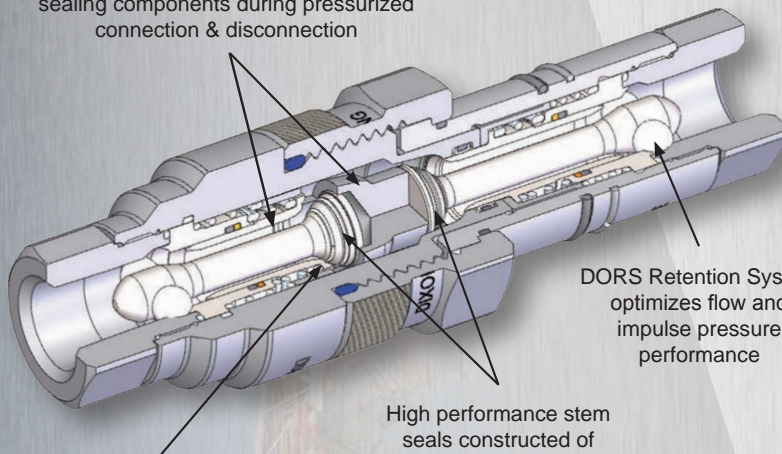




The Right Connection®

Attributes:

Two-stage valving to protect critical sealing components during pressurized connection & disconnection



DORS Retention System optimizes flow and impulse pressure performance

High performance stem seals constructed of acetal or polyurethane

Posi-Lock valve system secures valving during surge-flow conditions to prevent high-velocity damage

VEP Series Hydraulic Quick Disconnect Couplings

canada.dixonvalve.com • Customer Service: 877.963.4966

Features:

- Fully interchangeable with Stucchi VEP/VEP-HD, DNP FSI/PST4, Parker FET, Holmbury HFT, Voswinkel FT
- Available with NPTF, BSPP, and ORB end connections
- Improved Connect and Disconnect Performance Up To 5,500 PSI
- Patented Valve Mechanism Optimizes Flow and Pressure Performance
- Superior corrosion resistance using ROHS compliant Zinc Nickel Plating
- Temperature Range: -22°F to +212°F (-30°C to +100°C)

Applications:

- High Impulse Hydraulic Applications
- Oil Field Equipment
- BOP Systems (separate VEP-BOP series)
- Construction Equipment
- Excavator Attachments
- Crane Systems
- *Anywhere there's a need for a tough, reliable hydraulic connection!*



Proudly made in the USA

Technical Specifications

Body Size	Pressure Rating				Burst Pressure						Max. Pressure Connect ³		Max. Pressure Disconnect ³		Rated Flow $\Delta P=21.75$ PSI	
	ISO Working ¹		Max. Impulse ²		Connected		Coupler		Plug		PSI	MPa	PSI	MPa	GPM	L/min
	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	MPa						
1/4"	6,000	40	9,000	62	24,000	165	22,000	152	22,000	152	5,500	38	5,500	38	3.5	13
3/8"	5,500	38	8,000	55	22,000	152	18,000	124	20,000	138	4,500	31	4,500	31	10.5	40
1/2"	5,500	38	8,000	55	22,000	152	18,000	124	20,000	138	4,500	31	4,500	31	17.5	66
3/4"	5,500	38	8,000	55	22,000	152	18,000	124	20,000	138	4,500	31	4,500	31	22.7	85
1"	5,500	38	7,500	52	22,000	152	14,500	100	20,000	138	3,625	25	3,625	25	32.5	123
1-1/4"	5,000	35	7,000	48	20,000	138	14,500	100	16,000	110	3,625	25	3,625	25	46.4	174
1-1/2"	4,500	31	5,800	40	18,000	124	12,000	83	14,500	100	3,000	21	3,000	21	95.0	360
2"	4,000	28	5,000	35	18,000	124	12,000	83	14,500	100	3,000	21	3,000	21	172.5	653

¹ Couplings Impulse tested in accordance with ISO7241-2 for 1,000,000 cycles connected and 100,000 cycles disconnected at 133% of ISO Working Pressure.

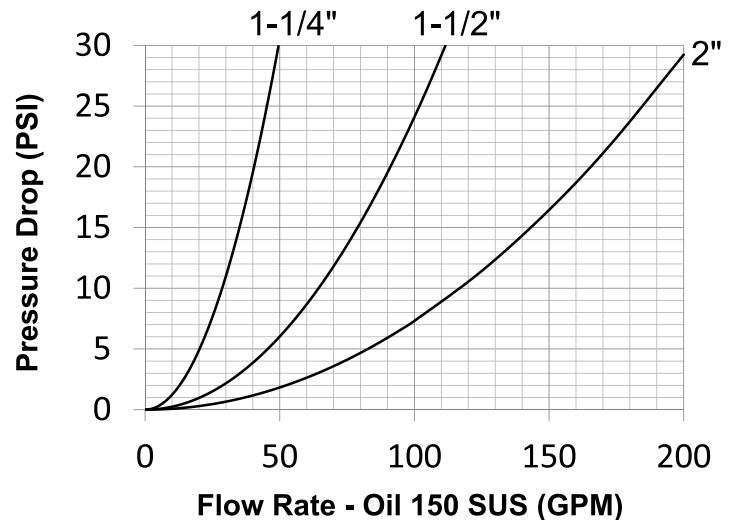
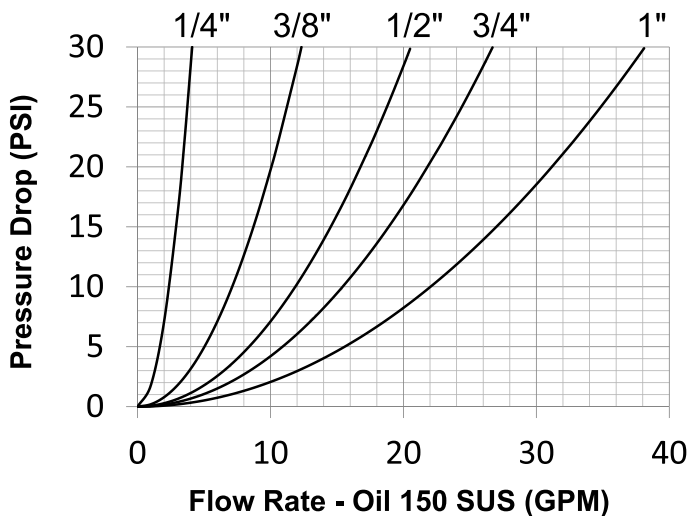
² Couplings Impulse tested in accordance with ISO7241-2 for 100,000 cycles connected and disconnected at Maximum Impulse pressure listed

³ System temperature for Maximum Connect/Disconnect Pressure must not exceed 150°F (65°C)

How to Connect & Disconnect the VEP-Series Coupling

1. Prior to connecting, thoroughly clean all mating surfaces and threads on both halves, then pull the coupler sleeve forward.
2. To initiate the connection, align the coupler and plug, pushing/turning the coupler sleeve towards the plug while engaging the threads.
3. Allow the threads to pull the coupler onto the plug, do not push the coupler onto the plug.
4. The first phase of the connection should be threaded by hand, without the use of tools. Please note the connection sleeve may seize when dirt and debris accumulate in the threads - wipe away debris with a cloth, compressed air, or a brush.
5. The second phase of the connection may require a wrench if the pressure is higher than anticipated.
6. Continue to thread the coupler sleeve onto the plug until the end of the sleeve meets the plug body
7. To disconnect, use a wrench to break the coupler sleeve free and keep the mating halves aligned during the disconnection process.

Pressure Drop



VEP Series Components

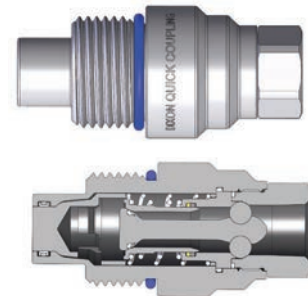
Size	Part #	Thread	Length		Maximum OD		Weight Lb.	Hex Inch
			in	mm	in	mm		
1/4"	2VEPF2	1/4" - 18 NPTF	2.14	54.4	1.49	37.8	0.49	7/8"
1/4"	2VEPBF2	1/4" - 19 BSPP	2.14	54.4	1.49	37.8	0.49	7/8"
1/4"	2VEPOF3	9/16" - 18 ORB	2.14	54.4	1.49	37.8	0.49	7/8"
3/8"	3VEPF3	3/8" - 18 NPTF	2.55	64.8	1.62	41.1	0.63	1"
3/8"	3VEPBF3	3/8" - 19 BSPP	2.55	64.8	1.62	41.1	0.63	1"
3/8"	3VEPOF4	3/4" - 16 ORB	2.77	70.4	1.62	41.1	0.67	1"
3/8"	3VEPF4	1/2" - 14 NPTF	2.77	70.4	1.62	41.1	0.66	1-1/8"
3/8"	3VEPBF4	1/2" - 14 BSPP	2.77	70.4	1.62	41.1	0.66	1-1/8"
1/2"	4VEPF4	1/2" - 14 NPTF	3.08	78.2	1.98	50.3	1.36	1-3/16"
1/2"	4VEPBF4	1/2" - 14 BSPP	3.08	78.2	1.98	50.3	1.36	1-3/16"
1/2"	4VEPOF4	3/4" - 16 ORB	3.08	78.2	1.98	50.3	1.38	1-3/16"
1/2"	4VEPF5	7/8" - 14 ORB	3.18	80.8	1.98	50.3	1.43	1-1/4"
1/2"	4VEPF6	3/4" - 14 NPTF	3.38	85.9	1.98	50.3	1.57	1-1/2"
1/2"	4VEPBF6	3/4" - 14 BSPP	3.38	85.9	1.98	50.3	1.57	1-1/2"
1/2"	4VEPOF6	1-1/16" - 12 ORB	3.58	90.9	1.98	50.3	1.59	1-1/2"
3/4"	6VEPF6	3/4" - 14 NPTF	3.37	85.6	2.19	55.6	1.70	1-1/2"
3/4"	6VEPBF6	3/4" - 14 BSPP	3.37	85.6	2.19	55.6	1.70	1-1/2"
3/4"	6VEPOF6	1-1/16" - 12 ORB	3.37	85.6	2.19	55.6	1.70	1-1/2"
1"	8VEPF8	1" - 11 1/2 NPTF	3.89	98.8	2.46	62.5	2.44	1-3/4"
1"	8VEPBF8	1" - 11 BSPP	3.89	98.8	2.46	62.5	2.44	1-3/4"
1"	8VEPOF8	1-5/16" - 12 ORB	3.89	98.8	2.46	62.5	2.44	1-3/4"
1-1/4"	10VEPF10	1-1/4" - 11 1/2 NPTF	4.40	111.8	2.70	68.6	3.76	2-3/16"
1-1/4"	10VEPBF10	1-1/4" - 11 BSPP	4.40	111.8	2.70	68.6	3.76	2-3/16"
1-1/4"	10VEPOF10	1-5/8" - 12 ORB	4.40	111.8	2.70	68.6	3.75	2-3/16"
1-1/2"	12VEPF12	1-1/2" - 11 1/2 NPTF	5.28	134.1	3.74	95.0	9.09	2-1/2"
1-1/2"	12VEPBF12	1-1/2" - 11 BSPP	5.28	134.1	3.74	95.0	9.09	2-1/2"
1-1/2"	12VEPOF12	1-7/8" - 12 ORB	5.28	134.1	3.74	95.0	9.10	2-1/2"
2"	16VEPF16	2" - 11 1/2 NPTF	9.42	239.3	7.39	187.7	33.56	3-1/2"
2"	16VEPBF16	2" - 11 BSPP	9.42	239.3	7.39	187.7	33.56	3-1/2"
2"	16VEPOF16	2" - 12 ORB	9.42	239.3	7.39	187.7	33.56	3-1/2"

Couplers



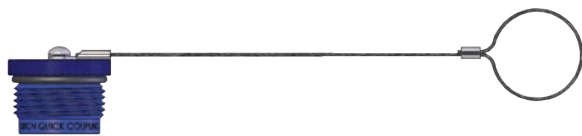
Size	Part #	Thread	Length		Maximum OD		Weight Lb.	Hex Inch
			in	mm	in	mm		
1/4"	VEP2F2	1/4" - 18 NPTF	2.67	67.8	1.35	34.3	0.53	7/8"
1/4"	VEP2BF2	1/4" - 19 BSPP	2.67	67.8	1.35	34.3	0.53	7/8"
1/4"	VEP2OF3	9/16" - 18 ORB	2.67	67.8	1.35	34.3	0.53	7/8"
3/8"	VEP3F3	3/8" - 18 NPTF	3.28	83.3	1.48	37.6	0.76	1"
3/8"	VEP3BF3	3/8" - 19 BSPP	3.28	83.3	1.48	37.6	0.76	1"
3/8"	VEP3OF4	3/4" - 16 ORB	3.50	88.9	1.48	37.6	0.79	1"
3/8"	VEP3F4	1/2" - 14 NPTF	3.50	88.9	1.48	37.6	0.78	1-1/8"
3/8"	VEP3BF4	1/2" - 14 BSPP	3.50	88.9	1.48	37.6	0.78	1-1/8"
1/2"	VEP4F4	1/2" - 14 NPTF	3.87	98.3	1.86	47.2	1.30	1-3/16"
1/2"	VEP4BF4	1/2" - 14 BSPP	3.87	98.3	1.86	47.2	1.30	1-3/16"
1/2"	VEP4OF4	3/4" - 16 ORB	3.87	98.3	1.86	47.2	1.30	1-3/16"
1/2"	VEP4OF5	7/8" - 14 ORB	3.97	100.8	1.86	47.2	1.35	1-1/4"
1/2"	VEP4F6	3/4" - 14 NPTF	4.07	103.4	1.86	47.2	1.49	1-1/2"
1/2"	VEP4BF6	3/4" - 14 BSPP	4.07	103.4	1.86	47.2	1.49	1-1/2"
1/2"	VEP4OF6	1-1/16" - 12 ORB	4.27	108.5	1.86	47.2	1.51	1-1/2"
3/4"	VEP6F6	3/4" - 14 NPTF	4.12	104.6	1.98	50.3	1.84	1-1/2"
3/4"	VEP6BF6	3/4" - 14 BSPP	4.12	104.6	1.98	50.3	1.84	1-1/2"
3/4"	VEP6OF6	1-1/16" - 12 ORB	4.12	104.6	1.98	50.3	1.84	1-1/2"
1"	VEP8F8	1" - 11 1/2 NPTF	4.95	125.7	2.20	55.9	2.65	1-3/4"
1"	VEP8BF8	1" - 11 BSPP	4.95	125.7	2.20	55.9	2.65	1-3/4"
1"	VEP8OF8	1-5/16" - 12 ORB	4.95	125.7	2.20	55.9	2.65	1-3/4"
1-1/4"	VEP10F10	1-1/4" - 11 1/2 NPTF	5.43	137.9	2.73	69.3	3.18	2-3/16"
1-1/4"	VEP10BF10	1-1/4" - 11 BSPP	5.43	137.9	2.73	69.3	3.18	2-3/16"
1-1/4"	VEP10OF10	1-5/8" - 12 ORB	5.43	137.9	2.73	69.3	3.17	2-3/16"
1-1/2"	VEP12F12	1-1/2" - 11 1/2 NPTF	6.63	168.4	3.74	95.0	9.02	2-1/2"
1-1/2"	VEP12BF12	1-1/2" - 11 BSPP	6.63	168.4	3.74	95.0	9.02	2-1/2"
1-1/2"	VEP12OF12	1-7/8" - 12 ORB	6.63	168.4	3.74	95.0	9.03	2-1/2"
2"	VEP16F16	2" - 11 1/2 NPTF	11.08	281.4	5.70	144.8	28.35	3-1/2"
2"	VEP16BF16	2" - 11 BSPP	11.08	281.4	5.70	144.8	28.35	3-1/2"
2"	VEP16OF16	2" - 12 ORB	11.08	281.4	5.70	144.8	28.35	3-1/2"

Nipples



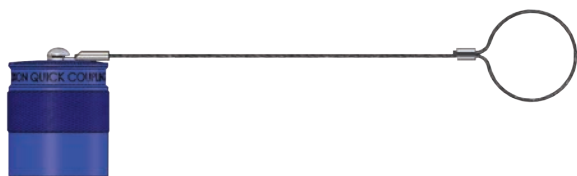
For information on VEP-BOP couplings, refer to the Dixon Quick Coupling catalog or call 877-963-4966

Dust Plugs



Size	Material	Part #
1/4"	aluminum	2VEPDP-A
3/8"	aluminum	3VEPDP-A
1/2"	aluminum	4VEPDP-A
3/4"	aluminum	6VEPDP-A
1"	aluminum	8VEPDP-A
1-1/4"	aluminum	10VEPDP-A
1-1/2"	aluminum	12VEPDP-A
2"	aluminum	16VEPDP-A

Dust Caps



Size	Material	Part #
1/4"	aluminum	VEP2DC-A
3/8"	aluminum	VEP3DC-A
1/2"	aluminum	VEP4DC-A
3/4"	aluminum	VEP6DC-A
1"	aluminum	VEP8DC-A
1-1/4"	aluminum	VEP10DC-A
1-1/2"	aluminum	VEP12DC-A
2"	aluminum	VEP16DC-A

For pricing and other information on the VEP series, refer to the Dixon Quick Coupling catalog or call 877.963.4966



DIXON CANADA
CUSTOMER SERVICE

canada.dixonvalve.com



The Right Connection®

United States

Albany, NY

518-725-0998
178A Corporate Drive
Gloversville, NY 12078

Atlanta, GA

770-486-9619
101 T.D.K. Blvd., Suite A
Peachtree City, GA 30269

Dallas, NC

704-334-9175
2925 Chief Court
Dallas, NC 28034

Chicago, IL

630-323-3716
1011 N. Hilltop Drive
Itasca, IL 60143

Cleveland, OH

330-425-3000
1900 Enterprise Parkway
Twinsburg, OH 44087

Houston, TX

713-678-4291
6525 Homestead Road
Houston, TX 77028

Kansas City, MO

816-221-0064
1244 Saline Street
N. Kansas City, MO 64116

Los Angeles, CA

909-605-6400
8840 Flower Road
Suites150/160
Rancho Cucamonga, CA
91730

Portland, OR

503-289-0400
2642 North Marine Drive
Portland, OR 97217

Salt Lake City, UT

801-972-1180
McGillis Ind. Pk. Bldg., #4
1972 South 4370 West
Salt Lake City, UT 84104

Tampa, FL

813-247-3500
5120 Adamo Drive
Suite E
Tampa, FL 33619

Canada

Winnipeg, Manitoba, Canada

780-469-5444
Fax: 780-463-9205

Edmonton, Alberta, Canada

780-469-5444
Fax: 780-463-9205

Innisfil, Ontario, Canada

705-436-1125
Fax: 705-436-6251

Dorval (Montreal), Quebec, Canada

514-422-9292
Fax: 514-422-0166

International

Wingfield SA, Australia

61-8-8202-6000
Fax: 61-8-8202-6099

Preston, England

44-1-77-232-3529
Fax: 44-1-77-231-4664

Troisdorf-Spich, Germany

49-2241-84406-0
Fax: 49-2241-8440679

Monterrey, Mexico

52-81-8354-5649
Fax: 52-81-8354-8197