

CVV-Series Hydraulic Couplings

Interchange Data:

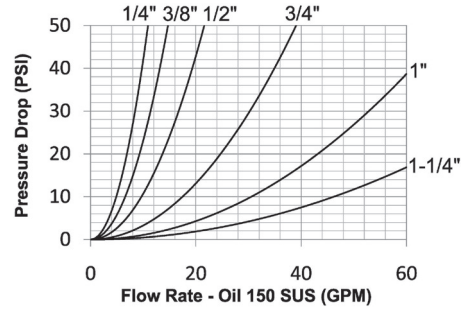
- European Screw-Together Interchange
- Inteva STG-Series, Faster CVV-Series, DNP PVV3, Voswinkel Type-HS

Materials:

- Machined components are manufactured using solid steel bar stock.
- Steel retaining rings, and springs maximize service life in rugged environments.
- Steel componentry is plated using ROHS Compliant Trivalent Chrome.

Seal Components:

- Nitrile (Buna-N) seals are standard, providing a temperature range of **-13°F to 257°F (-25°C to 125°C)**
- Nipples have a PTFE Anti-Extrusion ring to prevent O-ring damage during dynamic impulse service.



Rated Pressure Chart:

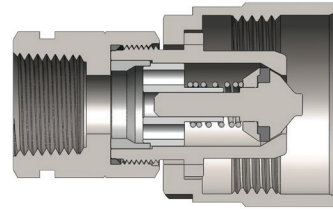
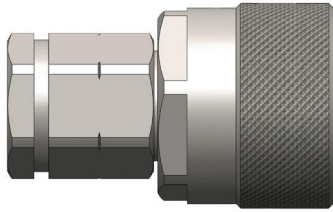
Body Size	CVV-Series European Screw-Together Interchange			
	Coupler/Plug Coupled			
	Maximum Working		Burst	
	PSI	Bar	PSI	Bar
1/4"	6,500	450	26,000	1,800
3/8"	6,500	450	26,000	1,800
1/2"	5,800	400	23,200	1,600
3/4"	5,800	400	23,200	1,600
1"	4,400	300	17,600	1,200
1-1/4"	4,400	300	17,600	1,200

Technical Specifications:

Body Size	Interchange Standards				Functional Parameters				
	U.S. Military	U.S. Government	International Standards	ANSI/NFPA Standards	Locking Mechanism	Air Inclusion	Fluid Loss	Vacuum Inch HG	Flow $\Delta P = 22$ PSI
1/4"	-	-	-	-	Threaded	N/A	N/A	27.4	7 GPM
3/8"	-	-	-	-	Threaded	N/A	N/A	27.4	10 GPM
1/2"	-	-	-	-	Threaded	N/A	N/A	27.4	15 GPM
3/4"	-	-	-	-	Threaded	N/A	N/A	27.4	26 GPM
1"	-	-	-	-	Threaded	N/A	N/A	27.4	45 GPM
1-1/4"	-	-	-	-	Threaded	N/A	N/A	27.4	70 GPM

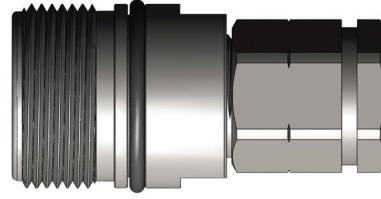
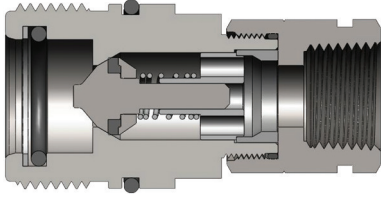
Note: Threaded sleeves enable easy connection and disconnection while system is under residual pressure only.

CVV-Series Hydraulic Couplings



Body Size	CVV-Series European Interchange Coupler (Female Threads)									
	Part Detail			Length		Maximum OD		Hex mm	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1/4"	2CVVF2	1/4" - 18 NPTF	steel	2.33	59.3	1.34	34.0	19	10	50
1/4"	2CVVBF2	1/4" - 19 BSPP	steel	2.33	59.3	1.34	34.0	19	10	50
1/4"	2CVVFM1415	M14X1.5	steel	2.33	59.3	1.34	34.0	19	10	50
3/8"	3CVVF3	3/8" - 18 NPTF	steel	2.41	61.2	1.34	34.0	22	10	30
3/8"	3CVVBF3	3/8" - 19 BSPP	steel	2.41	61.2	1.34	34.0	22	10	30
3/8"	3CVVFM1615	M16X1.5	steel	2.41	61.2	1.34	34.0	22	10	30
1/2"	4CVVF4	1/2" - 14 NPTF	steel	2.66	67.5	1.65	41.8	27	5	25
1/2"	4CVVOF4	3/4" - 16 ORB	steel	2.66	67.5	1.65	41.8	27	5	25
1/2"	4CVVBF4	1/2" - 14 BSPP	steel	2.66	67.5	1.65	41.8	27	5	25
1/2"	4CVVFM1815	M18X1.5	steel	2.66	67.5	1.65	41.8	27	5	25
1/2"	4CVVOF5	7/8" - 14ORB	steel	2.66	67.5	1.65	41.8	27	5	25
1/2"	4CVVFM2215	M22X1.5	steel	2.66	67.5	1.65	41.8	27	5	25
3/4"	6CVVF6	3/4" - 14 NPTF	steel	3.15	80.0	1.89	48.0	36	-	10
3/4"	6CVVBF6	3/4" - 14 BSPP	steel	3.15	80.0	1.89	48.0	36	-	10
3/4"	6CVVFM2215	M22X1.5	steel	3.15	80.0	1.89	48.0	36	-	10
1"	8CVVF8	1" - 11-1/2 NPTF	steel	3.30	83.9	2.35	59.8	41	-	10
1"	8CVVBF8	1" - 11 BSPP	steel	3.30	83.9	2.35	59.8	41	-	10
1-1/4"	10CVVF10	1-1/4" - 11-1/2 NPTF	steel	5.59	142.0	3.14	79.8	50	-	10
1-1/4"	10CVVBF10	1-1/4" - 11 BSPP	steel	5.59	142.0	3.14	79.8	50	-	10

CVV-Series Hydraulic Couplings



Body Size	CVV-Series European Interchange Nipple (Female Threads)									
	Part Detail			Length		Maximum OD		Hex mm	Package Qty	
	Part Number	Threads	Material	Inch	mm	Inch	mm		Bag	Box
1/4"	CVV2F2	1/4" - 18 NPTF	steel	2.36	60.0	0.94	24.0	19	10	50
1/4"	CVV2BF2	1/4" - 19 BSPP	steel	2.36	60.0	0.94	24.0	19	10	50
1/4"	CVV2FM1415	M14X1.5	steel	2.36	60.0	0.94	24.0	19	10	50
3/8"	CVV3F3	3/8" - 18 NPTF	steel	2.52	64.0	1.10	28.0	22	10	30
3/8"	CVV3BF3	3/8" - 19 BSPP	steel	2.52	64.0	1.10	28.0	22	10	30
3/8"	CVV3FM1615	M16X1.5	steel	2.52	64.0	1.10	28.0	22	10	30
1/2"	CVV4F4	1/2" - 14 NPTF	steel	2.76	70.0	1.42	36.0	27	5	25
1/2"	CVV4OF4	3/4" - 16 ORB	steel	2.76	70.0	1.42	36.0	27	5	25
1/2"	CVV4BF4	1/2" - 14 BSPP	steel	2.76	70.0	1.42	36.0	27	5	25
1/2"	CVV4FM1815	M18X1.5	steel	2.76	70.0	1.42	36.0	27	5	25
1/2"	CVV4OF5	7/8" - 14ORB	steel	2.76	70.0	1.42	36.0	27	5	25
1/2"	CVV4FM2215	M22X1.5	steel	2.76	70.0	1.42	36.0	27	5	25
3/4"	CVV6F6	3/4" - 14 NPTF	steel	3.39	86.0	1.65	42.0	36	-	10
3/4"	CVV6BF6	3/4" - 14 BSPP	steel	3.39	86.0	1.65	42.0	36	-	10
3/4"	CVV6FM2215	M22X1.5	steel	3.39	86.0	1.65	42.0	36	-	10
1"	CVV8F8	1" - 11-1/2 NPTF	steel	3.94	100.0	1.89	48.0	41	-	10
1"	CVV8BF8	1" - 11 BSPP	steel	3.94	100.0	1.89	48.0	41	-	10
1-1/4"	CVV10F10	1-1/4" - 11-1/2 NPTF	steel	5.91	150.0	2.76	70.0	50	-	10
1-1/4"	CVV10BF10	1-1/4" - 11 BSPP	steel	5.91	150.0	2.76	70.0	50	-	10

CVV-Series Hydraulic Couplings



Body Size	CVV-Series European Interchange Dust Plug				
	Part Detail			Package Qty	
	Part Number	Lanyard	Body	Bag	Box
1/4"	2CVVDP	plastic	plastic	5	25
3/8"	3CVVDP	plastic	plastic	5	25
1/2"	4CVVDP	plastic	plastic	5	25
3/4"	6CVVDP	plastic	plastic	5	25
1"	8CVVDP	plastic	plastic	5	25
1-1/4"	10CVVDP	plastic	plastic	-	10



Body Size	CVV-Series European Interchange Dust Cap				
	Part Detail			Package Qty	
	Part Number	Lanyard	Body	Bag	Box
1/4"	CVV2DC	plastic	plastic	5	25
3/8"	CVV3DC	plastic	plastic	5	25
1/2"	CVV4DC	plastic	plastic	5	25
3/4"	CVV6DC	plastic	plastic	5	25
1"	CVV8DC	plastic	plastic	5	25
1-1/4"	CVV10DC	plastic	plastic	-	10