



CVC

Screw-to-connect couplings for construction equipment application.

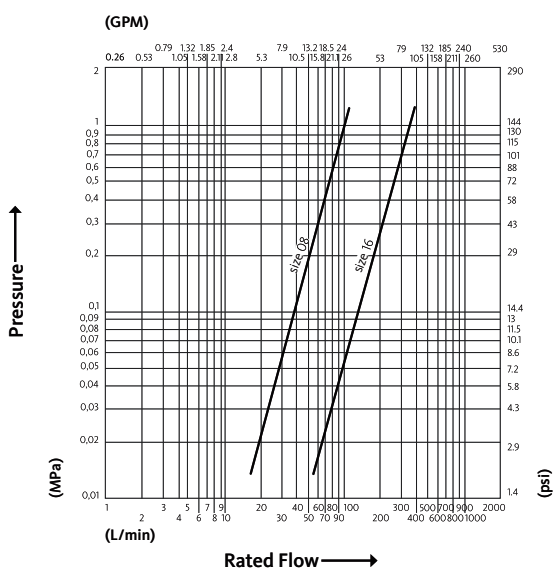
Screw-on couplings purposely designed for Caterpillar machines. Connectable under residual pressure. High resistance to pressure and flow impulses. Equipped with a hexagon-shaped sleeve and an external o-ring ensuring high friction and low risk of accidental disconnection due to vibrations.



Applications



Pressure Drop



Test performed according to ISO 18869

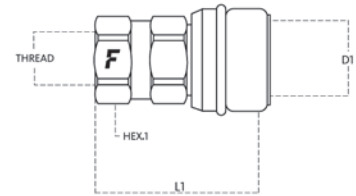
Technical Specifications

dash	Size mm	inch	Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
							Male	Female	Male + Female
08	12.5	1/2"	34	50	2	0	102	102	105
16	25	1"	34	160	10	0	112	112	112

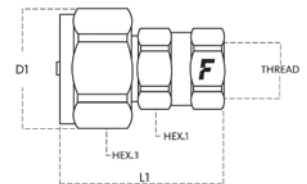
Material	Steel
Seals	NBR
Working temperatures	- 25 °C to + 125 °C
Surface treatment	MATE 500 (CrIII)
Series Interchange	MARKET

Valve Type	Poppet
Connection	Screw to Connect
Disconnection	Unscrew to Disconnect
Connection Under Pressure	Allowed Residual

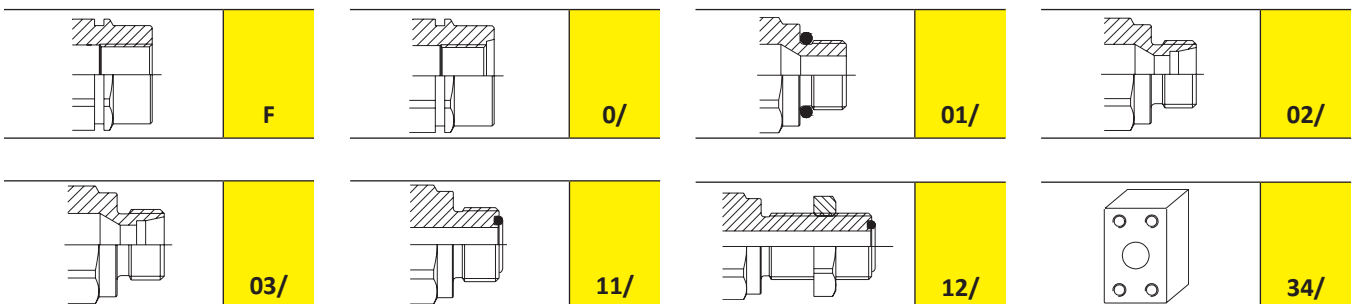




Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
12.5	1/2"	02/ METRIC	ISO 8434-1-L	M18x1.5 MALE 12L	CVC082/1815 F	56	2.2	35	1.38	27	1.06
12.5	1/2"	11/ SAE	ISO 8434-3	13/16"-16 UN MALE ORFS	CVC0811/12S F	58	2.28	35	1.38	27	1.06
12.5	1/2"	0/ METRIC	ISO 6149-1	M22x1.5 FEMALE ORB	CVC080/2215 F	60	2.36	35	1.38	27	1.06
12.5	1/2"	0/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	CVC08 58S F	62	2.44	35	1.38	30	1.18
12.5	1/2"	F BSPP	ISO 1179-1	BSPP 1/2" FEMALE	CVC08 12 GAS F	50	1.97	35	1.38	30	1.18
25	1"	0/ SAE	ISO 11926-1	1-3/16"-12 UN FEMALE ORB	CVC16 78S F	97	3.82	54	2.13	42	1.65
25	1"	F METRIC	ISO 9974-1	M30x1.5 FEMALE	CVC16 3015 F	97	3.82	54	2.13	42	1.65
25	1"	03/ METRIC	ISO 8434-1-S	M36x2 MALE 25S	CVC163/362 F	98	3.86	54	2.13	38	1.5



Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
12.5	1/2"	02/ METRIC	ISO 8434-1-L	M22x1.5 MALE 15L	CVC082/2215 M	58	2.28	45	1.77			27	1.06
12.5	1/2"	12/ SAE	ISO 8434-3	1"-14 UNS MALE BULKHEAD ORFS	CVC0812/58S M	91	3.58	45	1.77			34	1.34
12.5	1/2"	12/ SAE	ISO 8434-3	13/16"-16 UN MALE BULKHEAD ORFS	CVC0812/12S M	80	3.15	45	1.77			27	1.06
12.5	1/2"	01/ SAE	ISO 11926-3	3/4"-16 UNF MALE	CVC081/12S M	57	2.24	45	1.77			27	1.06
12.5	1/2"	0/ METRIC	ISO 6149-1	M22x1.5 FEMALE ORB	CVC080/2215 M	61	2.4	45	1.77			27	1.06
12.5	1/2"	0/ SAE	ISO 11926-1	7/8"-14 UNF FEMALE ORB	CVC08 58S M	63	2.48	45	1.77			30	1.18
12.5	1/2"	F BSPP	ISO 1179-1	BSPP 1/2" FEMALE	CVC08 12 GAS M	48	1.89	45	1.77			30	1.18
25	1"	0/ SAE	ISO 11926-1	1-5/16"-12 UN FEMALE ORB	CVC16 1SAE M	91	3.58	72	2.83			42	1.65
25	1"	34/ SAE	ISO 6162-2	SAE FLANGE 3/4	CVC1634/12 M	89	3.5	72	2.83			42	1.65
25	1"	03/ METRIC	ISO 8434-1-S	M42x2 MALE 30S	CVC163/422 M	88	3.46	72	2.83			46	1.81
25	1"	03/ METRIC	ISO 8434-1-S	M36x2 MALE 25S	CVC163/362 M	91	3.58	72	2.83			38	1.5
25	1"	0/ SAE	ISO 11926-1	1-3/16"-12 UN FEMALE ORB	CVC16 78S M	90	3.54	72	2.83			42	1.65
25	1"	F METRIC	ISO 9974-1	M30x1.5 FEMALE	CVC16 3015 M	90	3.54	72	2.83			42	1.65



CVC Accessories and Spares



Aluminium dust protections



Seals Kits