

W6000 Series (Stainless Steel) Thread-to-Connect



The Eaton W6000 Series stainless steel quick disconnect coupling is a thread-to-connect with a rugged construction. This quick disconnect coupling utilizes 1.4418 grade stainless steel, which guarantees the same mechanical resistance as the steel version while offering excellent resistance in corrosive environments. It remains the coupling of choice in offshore oil & gas applications but also covers a wide range of alternative hydraulic applications.

Product Features

- Proprietary profile
- Thread-to-connect with double shut-off valving
- Resistance to heavy mechanical loads (hydraulic shocks, severe pulsating pressures, etc.).
- Optional dust caps and plugs (made of anodized aluminium)
- Can be connected under residual pressure
- Standard seal material: FKM, EPDM
- Standard body material: Stainless steel 1.4418 (1.4404 AISI 316L stainless steel available on request at lower operating pressures. Please contact Eaton technical support for further information)

European Pressure Equipment Directive

Couplings with nominal diameters up to and including 25 mm are designed and manufactured under Article 3.3 of the European Pressure Equipment Directive 97/23 EC. Couplings with nominal diameters greater than 25 mm are designed and manufactured in accordance with the stipulations of Module D1 of the European Pressure Equipment Directive 97/23 EC. They should not be used to convey unstable gases.

Physical Characteristics

Body Size (in)	Nominal Flow Diameter (mm)	Max. Operating Pressure*		Maximum Residual Pressure during Connection***		Rated Flow**		Fluid Loss ml-cc.
		bar	(psi)	L/min	(gpm)	L/min	(gpm)	
¼	5.7	1100	15950	30	435	11.6	3.06	1.1
⅜	7.6	750	10875	30	435	16.7	4.41	1.9
½	10.3	750	10875	30	435	25.5	6.74	2.8
¾	14.2	650	9425	50	725	55	14.53	5.8
1	16.5	450	6525	30	435	87	22.98	10.9
1¼	20.5	450	6525	30	435	140	36.98	26.9
1½	25.8	300	4350	30	435	208	54.95	37.5
2	34.7	300	4350	30	435	357	94.30	81.0

* For pulsating pressures when disconnected apply a multiplier of 0.5

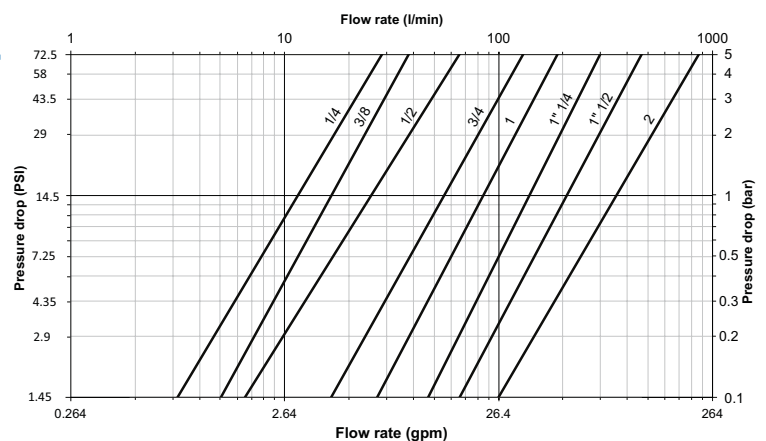
** Indicated values refer to a 1 bar/14.5 psi pressure drop.

*** When connecting under pressure, the socket nut thread must be lubricated.

Applications & Markets



- Construction
- Oil & Gas
- Material handling
- All industrial and severe applications
- Systems subject to heavy mechanical loads, high pressures, ...



Seal Elastomer Data*

Seal Elastomer	Max. Operation Temperature Range
FKM (Fluorocarbon)	-20°C +200°C/-4°F +392°F
EPDM (Ethylene-Propylene)	-40°C +150°C/-40°F +302°F

* For reference only, based on Eaton recommended temperatures.

Contact Eaton technical support for further information on fluid compatibility.

W6000 Series (Stainless Steel) Thread-to-Connect Couplings

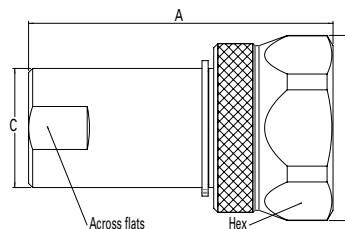


Fig. 1

Sockets (Female)

Part Number*		Body Size	Nominal Flow Diameter	Thread Size** (Female)	Dimensions											Weight	
					Fig. A (in)	B (in)	C (in)	Across Flats (in)	Hex (in)	A (mm)	B (mm)	C (mm)	Across Flats (mm)	Hex (mm)	lbs	grams	
FKM	EPDM	(in)	(mm)	NPT	BSPP	Fig. A (in)	B (in)	C (in)	Across Flats (in)	Hex (in)	A (mm)	B (mm)	C (mm)	Across Flats (mm)	Hex (mm)	lbs	grams
WV06017V0	WV06017E0	¼	5.7	-	¼-19	1	2.09	1.38	0.83	0.75	1.26	53	35	21	19	32	0.32 144
WV06217V0	WV06217E0	¼	5.7	¼-18	-	1	2.09	1.38	0.83	0.75	1.26	53	35	21	19	32	0.32 144
WV06027V0	WV06027E0	⅜	7.6	-	⅜-19	1	2.56	1.50	0.98	0.90	1.38	65	38	25	23	35	0.48 217
WV06227V0	WV06227E0	⅜	7.6	⅜-18	-	1	2.56	1.50	0.98	0.90	1.38	65	38	25	23	35	0.48 217
WV06037V0	WV06037E0	½	10.3	-	½-14	1	2.91	1.77	1.14	1.06	1.61	74	45	29	27	41	0.71 320
WV06237V0	WV06237E0	½	10.3	½-14	-	1	2.91	1.77	1.14	1.06	1.61	74	45	29	27	41	0.71 320
WV06047V0	WV06047E0	¾	14.2	-	¾-14	1	3.58	2.16	1.50	1.38	1.97	91	55	38	35	50	1.32 600
WV06247V0	WV06247E0	¾	14.2	¾-14	-	1	3.58	2.16	1.50	1.38	1.97	91	55	38	35	50	1.32 600
WV06057V0	WV06057E0	1	16.5	-	1-11	1	4.05	2.72	1.81	1.61	2.56	103	69	46	41	65	2.41 1092
WV06257V0	WV06257E0	1	16.5	1-11 ½	-	1	4.05	2.72	1.81	1.61	2.56	103	69	46	41	65	2.41 1092
WV06067V0	WV06067E0	1 ¼	20.5	-	1 ¼-11	1	5.71	3.50	2.36	2.16	3.03	145	89	60	55	77	6.13 2780
WV06267V0	WV06267E0	1 ¼	20.5	1 ¼-11 ½	-	1	5.71	3.50	2.36	2.16	3.03	145	89	60	55	77	6.13 2780
WV06077V0	WV06077E0	1 ½	25.8	-	1 ½-11	1	6.81	3.94	2.64	2.48	3.46	173	100	67	63	88	9.26 4200
WV06277V0	WV06277E0	1 ½	25.8	1 ½-11 ½	-	1	6.81	3.94	2.64	2.48	3.46	173	100	67	63	88	9.26 4200
WV06097V0	WV06097E0	2	34.7	-	2-11	1	8.07	4.60	3.07	2.80	4.13	205	117	78	71	105	14.64 6640
WV06297V0	WV06297E0	2	34.7	2-11 ½	-	1	8.07	4.60	3.07	2.80	4.13	205	117	78	71	105	14.64 6640

* 1.4404 AISI 316L stainless steel available on request. Please contact Eaton technical support for further information.

** Alternative end connections available upon request.

To obtain connected length of coupling add dimensions A (Fig.1) and G (Fig. 2) together.

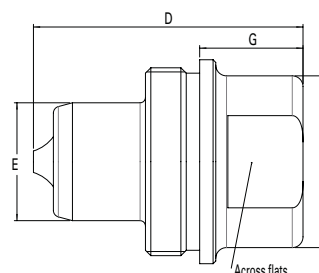


Fig. 2

Plugs (Male)

Part Number*		Body Size	Nominal Flow Diameter	Thread Size** (Female)	Dimensions											Weight	
					BSPP	Fig. D (in)	E (in)	F (in)	G (in)	Across Flats (in)	D (mm)	E (mm)	F (mm)	G (mm)	Across Flats (mm)	lbs	grams
FKM	EPDM	(in)	(mm)	NPT	BSPP	Fig. D (in)	E (in)	F (in)	G (in)	Across Flats (in)	D (mm)	E (mm)	F (mm)	G (mm)	Across Flats (mm)	lbs	grams
WV06014V0	WV06014E0	¼	5.7	-	¼-19	2	1.38	0.59	0.90	0.45	0.75	35	15	23	11.5	19	0.16 71
WV06214V0	WV06214E0	¼	5.7	¼-18	-	2	1.38	0.59	0.90	0.45	0.75	35	15	23	11.5	19	0.16 71
WV06024V0	WV06024E0	¾	7.6	-	¾-19	2	1.65	0.75	1.02	0.52	0.90	42	19	26	13	23	0.23 104
WV06224V0	WV06224E0	¾	7.6	¾-18	-	2	1.65	0.75	1.02	0.52	0.90	42	19	26	13	23	0.23 104
WV06034V0	WV06034E0	½	10.3	-	½-14	2	1.97	0.87	1.26	0.77	1.06	50	22	32	19.5	27	0.36 165
WV06234V0	WV06234E0	½	10.3	½-14	-	2	1.97	0.87	1.26	0.77	1.06	50	22	32	19.5	27	0.36 165
WV06044V0	WV06044E0	¾	14.2	-	¾-14	2	2.48	1.14	1.65	1.02	1.38	63	29	42	26	35	0.84 382
WV06244V0	WV06244E0	¾	14.2	¾-14	-	2	2.48	1.14	1.65	1.02	1.38	63	29	42	26	35	0.84 382
WV06054V0	WV06054E0	1	16.5	-	1-11	2	2.80	1.42	1.89	1.14	1.61	71	36	48	29	41	1.29 585
WV06254V0	WV06254E0	1	16.5	1-11 ½	-	2	2.80	1.42	1.89	1.14	1.61	71	36	48	29	41	1.29 585
WV06064V0	WV06064E0	1 ¼	20.5	-	1 ¼-11	2	3.82	2.00	2.36	1.45	2.16	97	50.9	60	37	55	3.22 1460
WV06264V0	WV06264E0	1 ¼	20.5	1 ¼-11 ½	-	2	3.82	2.00	2.36	1.45	2.16	97	50.9	60	37	55	3.22 1460
WV06074V0	WV06074E0	1 ½	25.8	-	1 ½-11	2	4.29	2.24	2.64	1.22	2.48	109	56.9	67	31	63	4.50 2040
WV06274V0	WV06274E0	1 ½	25.8	1 ½-11 ½	-	2	4.29	2.24	2.64	1.22	2.48	109	56.9	67	31	63	4.50 2040
WV06094V0	WV06094E0	2	34.7	-	2-11	2	5.08	2.73	3.07	1.32	2.80	129	69.4	78	33.5	71	7.05 3200
WV06294V0	WV06294E0	2	34.7	2-11 ½	-	2	5.08	2.73	3.07	1.32	2.80	129	69.4	78	33.5	71	7.05 3200

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** Alternative end connections available upon request.

To obtain connected length of coupling add dimensions A (Fig.1) and G (Fig. 2) together.

W6000 Series (Stainless Steel) Thread-to-Connect Couplings

Dust Plugs and Dust Caps

Body Size	Socket Dust Plug Part Number	Plug Dust Cap Part Number
(in)	Anodized Aluminium	Anodized Aluminium
1/4	WD0611700	WD0611400
3/8	WD0612700	WD0612400
1/2	WD0613700	WD0613400
3/4	WD0614700	WD0614400
1	WD0615700	WD0615400
1 1/4	WD0616700	WD0616400
1 1/2	WD0617700	WD0617400
2	WD0619700	WD0619400

Socket dust plug



Plug dust cap



Powering Business Worldwide

Eaton Quick Disconnect Couplings代理商

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