DATASHEET

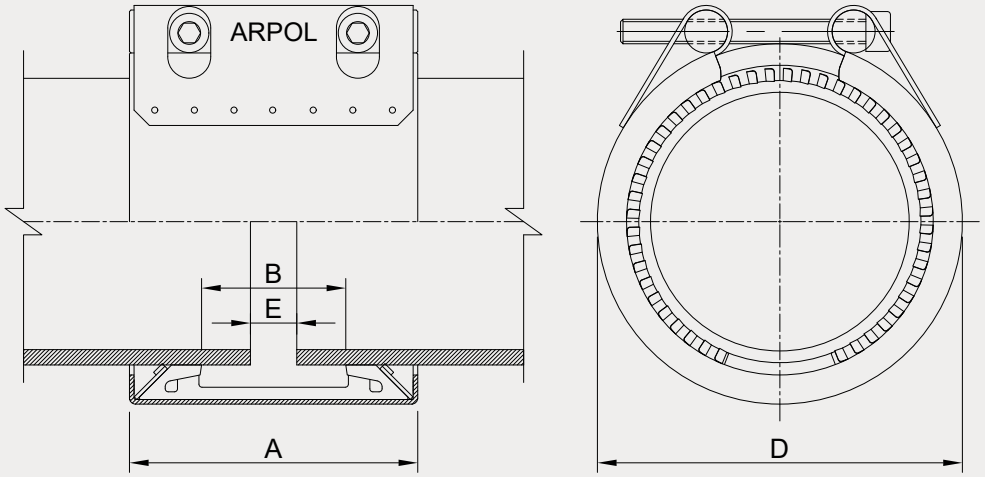
Arpol FIX PRO

Pull out resistant pipe connections for metal pipes

∅
48.3-609.6 MM

Because connecting matters
arpol.com

FIX PRO | Ø 48.3 – 609.6 mm



Additional information

Technical specification

PFA:
Allowable operating pressures
Maximum hydrostatic pressure that the coupling is able to withstand in permanent service (working pressure).

PMA:
Allowable maximum operating Pressure
Maximum peak pressure that the coupling is able to withstand in service (pressure peaks).

PEA:
Allowable site test pressure
Maximum hydrostatic site test pressure that the newly installed coupling can withstand for a relatively short duration, in order to ensure the integrity and tightness of the pipeline.

Approvals
Approved for use with drinking water according to WRAS BS6920-1:2014, ACS XP P 41-250, NSF/ANSI 61 & 372

Designed and tested according to BS 8561:2021 and EN14525:2022 section 7.1 to 7.3 on stainless steel pipe

Leaktightness under positive internal pressure
1.5 x PFA + 5 bar for a period of 2h

Leaktightness under negative internal pressure
- 0,8 bar for a period of 2h

Strength and resitance to disortion
Resitance of fitting to damage when fasteners are overtightenend.

Quality		
	ASTM	**EN**
Casing	304L / 316L	1.4307 / 1.4404
Bars	304L / 316L	1.4307 / 1.4404
Bolts	304 / 316	1.4301 / 1.4401
Restraining ring	301	1.4310

Materials & Important information

Casing
Stainless steel 1.4307 / 1.4404 (EN 10088-2), AISI 304 / 316L (ASTM A 240)

Steel Plate
Stainless steel 1.4307 / 1.4404 (EN 10088-2), AISI 304L / 316L (ASTM A 240)

Restraining ring
Stainless steel 1.4310 (EN 10151); AISI 301

Bars
Stainless steel 1.4307 / 1.4404 (EN 10088-2), AISI 304L / 316L (ASTM A 240)

Bolts
ISO 4762 / DIN 912. Stainless steel A2/A4 (EN-ISO 3506-01) with anti-galling zinc coating according to EN-ISO 2081 to prevent cold fusion

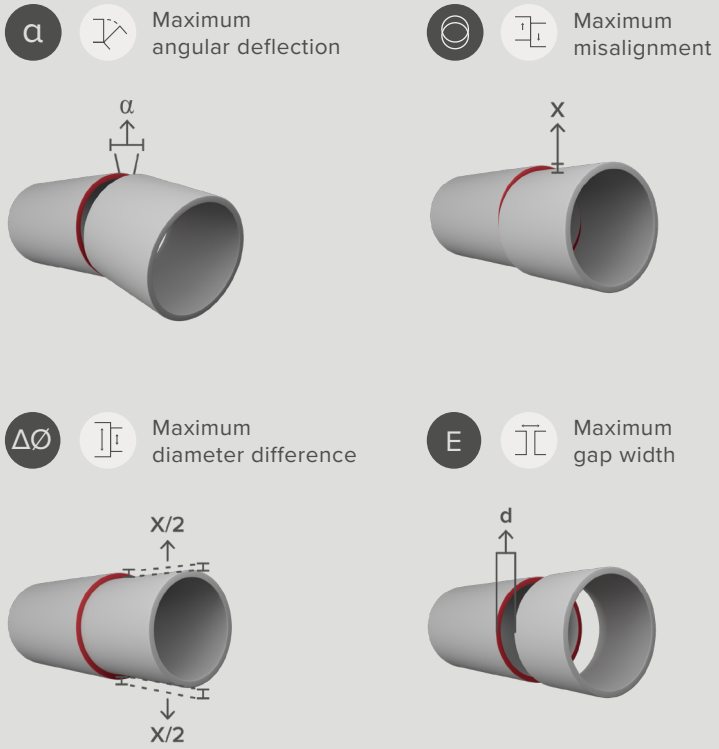
Sealing gasket
EPDM IRHD 70 according to EN 681-1/WA/WC
NBR IRHD 70 according to EN 682. Blue silicone IRHD 70 according to EN 681-1/WA/WC

Temperature rating
EPDM: -20 to 100°C
NBR: -20 to 80°C
Blue silicone: -55 to 200°C

For the use with stainless steel pipe, carbon steel pipe and ductile iron pipe.

NSF/ANSI/CAN 61 & 372

Symbols



FIX PRO | Ø 48.3 – 609.6 mm

***emin.:** Minimum wall thickness for stainless steel pipes
References displayed apply to: Coupling Quality: W5 (316L) / Sealing gasket: EPDM
Other configurations are possible: See “Material & Important Information” in page 3

Range	Reference FIX PRO	Pressures				Lock			Dimensions				Weight	Tolerances		
		*emin	PFA	PMA	PEA	Qty.	Bolt	Torque	A	B	D	E	kg	α	⌀	ΔØ
mm		mm	bar	bar	bar	unit	mm	Nm	mm	mm	mm	mm		°	mm	mm
47,8-48,9	FIX PRO 48,3 A4E35	1,2	35	42	53	1	2×M8	15	78	31	68	5	0,605	4	1	0,5
53,5-54,5	FIX PRO 54 A4E30	1,6	30	36	45	1	2×M8	15	78	31	74	5	0,635	4	1	1
56,4-57,6	FIX PRO 57 A4E30	1,6	30	36	45	1	2×M8	15	78	31	77	5	0,658	4	1	1
59,7-60,9	FIX PRO 60.3 A4E30	1,6	30	36	45	1	2×M8	15	78	31	80	5	0,665	4	1	1
75,3-76,9	FIX PRO 76.1 A4E20	2,0	20	24	30	1	2×M8	15	94	45	96	5	0,88	4	1	1,5
83,1-84,9	FIX PRO 84 A4E20	2,0	20	24	30	1	2×M8	15	94	45	107	5	0,95	4	1	1,5
88-89,8	FIX PRO 88.9 A4E20	2,0	20	24	30	1	2×M8	15	94	45	112	5	1,155	4	1	1,5
97-99	FIX PRO 98 A4E19	2,0	19	23	29	1	2×M8	15	94	45	122	5	1,17	4	1	1,5
102,9-105,1	FIX PRO 104 A4E19	2,0	19	23	29	1	2×M8	15	94	45	127	5	1,245	4	1	1,5
106,9-109,1	FIX PRO 108 A4E19	2,0	19	23	29	1	2×M8	20	94	45	131	5	1,25	4	1	2,5
108,9-111,1	FIX PRO 110 A4E19	2,0	19	23	29	1	2×M8	20	94	45	133	5	1,25	4	1	2,5
113,2-115,4	FIX PRO 114.3 A4E23	2,0 3,0	20 23	24 28	30 35	1	2×M8	20	95	45	137	5	1,586	4	1	2,5
115-119	FIX PRO118 A4E23	2,0 3,0	20 23	24 28	30 35	1	2×M8	20	95	45	141	5	1,610	4	1	2,5
127,6-130,2	FIX PRO 129 A4E20	2,0 3,0	18 20	22 24	26 30	1	2×M10	35	112	57	152	5	2,271	4	1	2,5
131,7-134,3	FIX PRO 133 A4E20	2,0 3,0	18 20	22 24	26 30	1	2×M10	35	112	57	156	5	2,31	4	1	2,5
133-137	FIX PRO 135 A4E20	2,0 3,0	18 20	22 24	26 30	1	2×M10	35	112	57	158	5	2,33	4	1	2,5
138,3-141,1	FIX PRO 139.7 A4E20	2,0 3,0	16 20	19 24	26 30	1	2×M10	35	112	57	163	5	2,371	4	1	2,5

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		*emin	PFA	PMA	PEA	Qty.	Bolt	Torque	A	B	D	E	kg	α	⌀	ΔØ
mm		mm	bar	bar	bar	unit	mm	Nm	mm	mm	mm	mm		°	mm	mm
142,6-145,4	FIX PRO 144 A4E20	2,0 3,0	16 20	19 24	26 30	1	2×M10	35	113	57	167	5	2,41	4	1	2,5
152,4-155,6	FIX PRO 154 A4E20	2,0 3,0	16 20	19 24	26 30	1	2×M10	35	113	57	178	5	2,872	4	1	2,5
157,4-160,6	FIX PRO 159 A4E19	2,0 3,0	15 19	18 23	24 29	1	2×M10	35	113	57	183	5	2,929	2	2	2,5
166,6-170	FIX PRO 168.3 A4E19	2,0 3,0	14 19	17 23	24 29	1	2×M10	35	113	57	191	5	3,022	2	2	2,5
192-195,5	FIX PRO 193.7 A4E10	2,0	10	12	15	1	3×M12	45	141	86	225	5	4,511	2	2	2,5
192-195,5	FIX PRO 193.7 A4E18	3,0	18	22	27	1	3×M12	50	141	86	225	5	4,9	2	2	2,5
203-207	FIX PRO 204 A4E10	2,0	10	12	15	1	3×M12	45	141	86	238	15	4,645	2	2	2,5
203-207	FIX PRO 204 A4E18	3,0	18	22	27	1	3×M12	50	141	86	238	15	5,004	2	2	2,5
208-212	FIX PRO 210 A4E10	2,0	10	12	15	1	3×M12	45	141	86	242	15	4,716	2	2	2,5
208-212	FIX PRO 210 A4E18	3,0	18	22	27	1	3×M12	50	141	86	242	15	5,283	2	2	2,5
216,9-221,3	FIX PRO 219.1 A4E10	2,0	10	12	15	1	3×M12	45	141	86	251	15	4,827	2	2	2,5
216,9-221,3	FIX PRO 219.1 A4E18	3,0	18	22	27	1	3×M12	50	141	86	252	15	5,283	2	2	2,5
219,8-224,2	FIX PRO 222 A4E10	2,0	10	12	15	1	3×M12	45	141	86	251	15	4,897	2	2	2,5
219,8-224,2	FIX PRO 222 A4E18	3,0	18	22	27	1	3×M12	50	141	86	252	15	5,391	2	2	2,5
242-247	FIX PRO 244.5 A4E6	2,0	6	8	9	1	3×M12	45	141	86	276	15	5,672	2	2	2,5
242-247	FIX PRO 244.5 A4E12	3,0	12	15	18	1	3×M12	65	141	86	277	15	6,31	2	2	2,5
252-257	FIX PRO 256 A4E6	2,0	6	8	9	1	3×M12	45	141	86	288	15	5,86	2	3	2,5
252-257	FIX PRO 256 A4E12	3,0	12	15	18	1	3×M12	65	142	86	289	15	6,47	2	3	2,5
264,5-269,5	FIX PRO 267 A4E6	2,0	6	8	9	1	3×M12	45	141	86	299	15	6,061	2	3	2,5
264,5-269,5	FIX PRO 267 A4E12	3,0	12	15	18	1	3×M12	65	142	86	300	15	6,67	2	3	2,5

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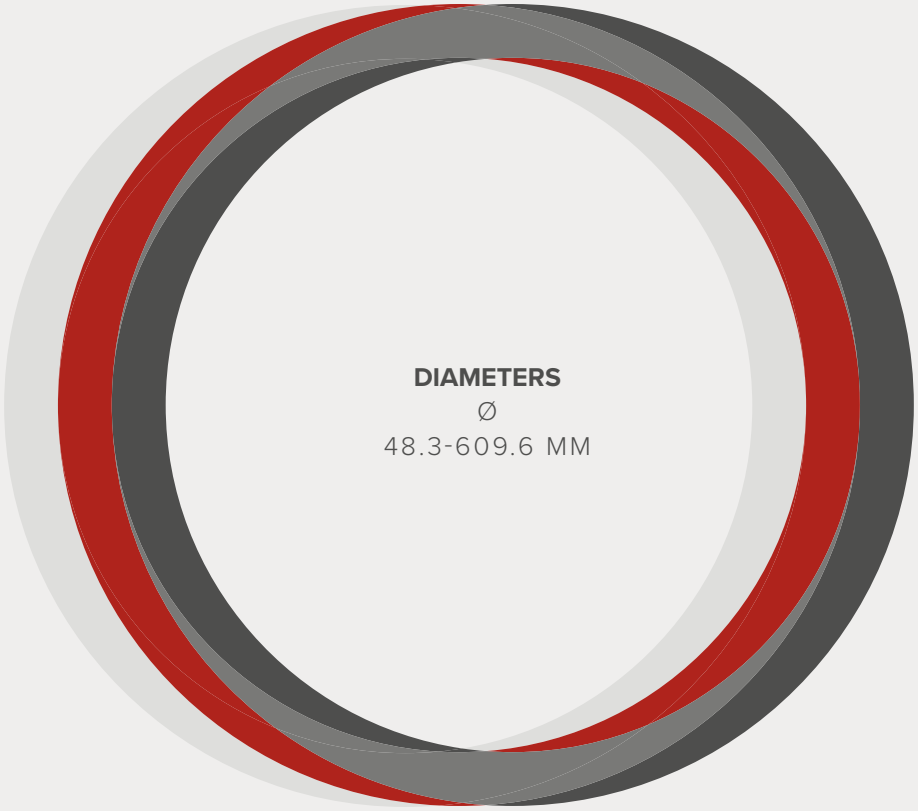
Range	Reference FIX PRO	Pressures				Lock			Dimensions				Weight	Tolerances		
		*emin	PFA	PMA	PEA	Qty.	Bolt	Torque	A	B	D	E	kg	α	⌀	ΔØ
mm		mm	bar	bar	bar	unit	mm	Nm	mm	mm	mm	mm		°	mm	mm
270,5-275,5	FIX PRO 273 A4E6	2,0	6	8	9	1	3xM12	45	141	86	305	15	6,117	2	3	2,5
270,5-275,5	FIX PRO 273 A4E12	3,0	12	15	18	1	3×M12	65	142	86	306	15	7,071	2	3	2,5
301-307	FIX PRO 306 A4E6	2,0 3,0	4 6	5 8	6 9	1	3×M12	45	141	86	338	15	6,578	2	3	2,5
301-307	FIX PRO 306 A4E10	4,2	10	12	15	1	3×M12	65	141	86	340	15	7,498	2	3	2,5
320,5-327	FIX PRO 323.9 A4E6	2,0 3,0	3 6	4 8	5 9	1	3×M12	45	141	86	356	15	6,906	2	3	2,5
320,5-327	FIX PRO 323.9 A4E10	4,6	10	12	15	1	3×M16	65	144	86	358	15	9,526	2	3	2,5
323-330	FIX PRO 326 A4E6	3,0	6	8	9	1	3×M12	45	141	86	356	15	7,20	2	3	2,5
323-330	FIX PRO 326 A4E10	4,6	10	12	15	1	3×M16	65	144	86	358	15	9,669	2	3	2,5
352-359	FIX PRO 355.6 A4E4	3,0	4	5	6	1	3×M12	45	141	86	387	15	7,36	2	3	2,5
352-359	FIX PRO 355.6 A4E9	4,8	9	12	14	1	3×M16	65	144	86	389	15	10,6	2	3	2,5
402,5-410,5	FIX PRO 406.4 A4E3	3,0	3	4	5	1	3×M12	50	142	86	438	15	8,2	2	3	2,5
402,5-410,5	FIX PRO 406.4 A4E6	4,8	6	8	9	1	3×M16	80	144	86	440	15	11,6	2	3	2,5
424-432	FIX PRO 428 A4E4	4,8	4	5	6	1	3×M16	80	144	86	489	15	11,454	2	3	2,5
452,5-460,5	FIX PRO 457.2 A4E2	3,0	2	3	3	1	3×M12	60	142	86	489	15	11,024	2	3	2,5
452,5-460,5	FIX PRO 457.2 A4E4	4,8	4	5	6	1	3×M16	80	144	86	489	15	12,086	2	3	2,5
503,5-511,5	FIX PRO 508 A4E2	5,5	2	3	3	1	3×M16	80	144	86	542	15	13,239	2	3	2,5
554,5-562,5	FIX PRO 558.8 A4E1	5,5	1	2	2	1	3×M16	100	144	86	592	15	14,284	2	3	2,5
605-613	FIX PRO 609.6 A4E1	6,4	1	2	2	1	3×M16	100	144	86	643	15	15,37	2	3	2,5



DIAMETERS

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48.3-609.6 MM

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