FLEXIBLE COUPLING MOD. F270P



APPLICATION

Flexible coupling for grooved pipe steel. High resistance to bending and twisting. It works like an expansion joint, allows the linear movement and angular, the attenuation of noise and vibration, thermal expansion and seismic stress (for these two cases, please pay attention to the support system used).

TECHNICAL DATA

Working pressure: 55 bar up to ”, 48 bar for 6”, 41 bar from 8” to 12”.
Working temperature: from -34°C to +110°C with EPDM

Material:
- Body: spheroidal graphite cast iron according to ASTM A536 and ISO 1083.
- Surface treatment: red painted RAL 3000.
- Gasket: EPDM type E according to ISO 6182, FM 1920 and UL 213.
- Bolts: tempered bolts, round head with oval neck. Heavy series nuts in carbon steel according to ASTM A183.

Available on request couplings with silicone gaskets or nitrile (Buna N).

Size[mm]	Max Load [N]	Bolts	Tightening torque suggested [Nm]	Tightening torque Max [Nm]	Max pipes distance [mm]	Ø [mm]	L [mm]	H [mm]	Deflection [deg]	Deflection [mm/m]
33,7	2230	2-M10x55	35	52	3	56,5	94	47	4,25	74,2
42,2	3530	2-M10x55	40	60	3	65,5	104	47	3,3	58,9
48,3	4581	2-M10x55	40	60	3	72,5	111	47	2,96	51,7
60,3	7139	2-M10x65	40	60	3	86	121	47	2,37	41,5
76,1	11371	2-M10x65	45	68	3	102	136	47	1,88	32,8
88,9	15518	2-M10x65	45	68	5	114	150	47	1,61	28,1
114,3	25652	2-M12x85	75	110	5	146	189	51	1,75	31,6
139,7	38319	2-M16x100	150	220	5	171	229	51	1,43	25
168,3	55616	2-M16x100	160	240	5	202	262	51	1,19	20,1
219,1	94257	2-M20x110	240	320	5	256	332	63	1,3	22,8
273,0	93656	2-M20x150	260	350	5	316	390	63	1,05	18,3
323,9	131835	2-M20x150	260	350	5	370	442	63	0,88	15,4

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Reg.Imp. Ve 03470750278
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APPROVALS

FM, UL, CE and drinking water certified

Codice	Nome	Peso	Numero di pezzi
F270P042	42,4 mm 1"¼	0.63	45
F270P048	48,3 mm 1"½	0.67	40
F270P060	60,3 mm 2"	0.87	32
F270P076	76,1 mm 2"½	0.85	27
F270P089	88,9 mm 3"	1.08	20
F270P114	114,3 mm 4"	1.65	18
F270P034	33,7 mm 1"	0.58	58
F270P139	139,7 mm 5"	2.29	12
F270P168	168,3 mm 6"	2.3	11
F270P219	219,1 mm 8"	4.86	7
F270P273	273,0 mm 10"	8	5
F270P324	323,9 mm 12"	9.26	4