



- Flat-pad Design
- C-shape Gasket
- EPDM Rubber
- Class 9.8 Bolt<sup>s</sup>
- Epoxy Coating

**Economical**

Instead of two couplings and one reducer

**Style O20 ANSI**

**Reducing Coupling**

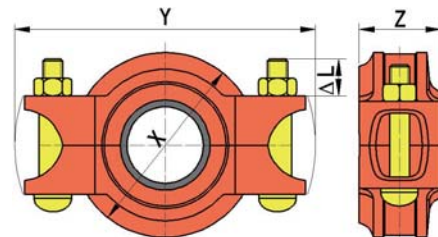
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Style O20 Reducing Flexible Coupling is designed with flat-pad, to create flexibility of the pipeline in both axial and angular direction, by keeping a certain gap between the housing key and pipe groove.

Style O20 Reducing Flexible Coupling is an alternative and economic option to replace a combination of two couplings and a concentric reducer.

The unique G02 "C" shape gasket performs triple sealing functions with tested and proven compression set and pocket volumetric, which maintains enough seal function when the coupling is deflected.

Note: VISION Style O21 Transition Coupling adapt the pipe joint of imperial(U.S) and Metricpipe and valves sizes with different standards.



OD	Work Pressure	End Load	Pipe End Separation	X	Y	Z	Δ L	Bolts Size	Approx. Wt. Ea.
Inches mm	Psi bar	Lbs. N	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Inches mm	Lbs. kg
1½x1¼	300	649	0-0.10	2.76	4.21	1.77	0.59	¾x2	1.5
48.3x42.4	20.7	2921	0-2.44	70	107	45	15	M10x50	0.7
2x1¼	300	649	0-0.10	3.35	4.84	1.85	0.59	¾x2	2.0
60.3x42.4	20.7	2921	0-2.64	85	123	47	15	M10x50	0.9
2x1½	300	850	0-0.10	3.35	4.84	1.85	0.59	¾x2	2.0
60.3x48.3	20.7	3791	0-2.64	85	123	47	15	M10x50	0.9
2½x2	300	1328	0-0.12	3.82	5.75	1.93	0.91	¾x3	2.9
73.0x60.3	20.7	5908	0-2.94	97	146	49	23	M12x75	1.3
3x2	300	1328	0-0.12	4.45	6.38	1.93	0.91	¾x3	3.5
88.9x60.3	20.7	5908	0-3.14	113	162	49	23	M12x75	1.6
3x2½	300	1947	0-0.12	4.45	6.38	1.93	0.91	¾x3	3.3
88.9x73.0	20.7	8659	0-3.14	113	162	49	23	M12x75	1.5
4x2	300	1328	0-0.16	5.63	7.95	2.01	1.26	¾x3½	6.2
114.3x60.3	20.7	5908	0-4.04	143	202	51	32	M16x90	2.8
4x2½	300	1947	0-0.16	5.63	7.95	2.01	1.26	¾x3½	5.5
114.3x73.0	20.7	8659	0-4.04	143	202	51	32	M16x90	2.5
4x3	300	2885	0-0.16	5.63	7.95	2.01	1.26	¾x3½	5.3
114.3x88.9	20.7	12842	0-4.04	143	202	51	32	M16x90	2.4
5x3	300	2885	0-0.16	6.73	9.45	2.01	1.42	¾x4	7.9
141.3x88.9	20.7	12842	0-4.04	171	240	51	36	M20x100	3.6
5x4	300	4769	0-0.16	6.73	9.45	2.01	1.42	¾x4	7.0
141.3x114.3	20.7	21229	0-4.04	171	240	51	36	M20x100	3.2
6x4	300	4769	0-0.16	7.87	10.59	2.01	1.42	¾x4	9.3
168.3x114.3	20.7	21229	0-4.04	200	269	51	36	M20x100	4.2
6x5	300	7288	0-0.16	7.87	10.59	2.01	1.42	¾x4	8.4
168.3x141.3	20.7	32443	0-4.04	200	269	51	36	M20x100	3.8
8x6	300	10336	0-0.25	10.20	13.58	2.40	1.57	¾x5½	15.0
219.1x168.3	20.7	46027	0-6.30	259	345	61	40	M22x130	6.8

- Style O20 reducing coupling provides a flexible Joint for piping system to accommodate pipeline Expansion /Contraction. For Expansion /Contraction and settlement, please refer to Page 12.
- Work pressure is UL listed and FM approved, End Load is based on wok pressure, refer to page 11.
- Max. Work pressure and Max. End Load refer to page 13.
- For dry system and pre-action system, Style O20 reducing coupling is not recommended to use, For more details, please refer to page 7.
- For correct installation, Please refer to page 91 "General of Installation" and publication AZ-100-EN of "Installation Manual".
- Tightening Torque for Bolts should follow the value listed in page 91 "Torque of Coupling Installation".
- Bolt-pads of the 2-pieces coupling housing must metal to metal in both sides when installation is completed.
- For ONE TIME FIELD TEST ONLY, The Max. Joint working pressure may be increased to 1.5 times the figures shown.

§ Refer to page 6 for details

