

Rigid Coupling Style HR24

VISION



Style HR24 Heavy Duty Rigid Coupling has a unique teeth and enhanced bolt seat design which constricts the housing keys into the groove around the circumference to create rigidity by tighten the nuts to restrict the axial movement and spinning.

The unique “C” shape gasket performs triple sealing functions with tested and proven compression set and pocket volumetric, to increase the service life of the coupling.



Size:

- DN25-DN400 | 2-16”
- For Sizes 18” and up, please contact VISION.

Maximum Working Pressure:

- 69bar(1000psi)
- Working pressure depend on material, wall thickness and pipe size

Material Specifications

Housing:

Ductile iron confirming to ASTM A536, Grade 65-45-12, other material also available, please consult VISION.

Coating:

Orange-Standard

Red- Optional

Hot-Dipped, Zinc Galvanized-Optional

Bolts/Nuts:

Heat-treated plated carbon steel which meet the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183.

Gasket:

Grade “E” EPDM gaskets have a green striped color code identification and conform to ASTM D2000 for service temperatures from -34°C to 110°C(-30°F to 230°F). They are recommended for hot water not to exceed 110°C(230°F), plus a variety of dilute acids, oil free air, and many chemical service.

Other Grade gaskets are available, please contact VISION



Shanghai Vision Mechanical Joint Ltd., Co.,

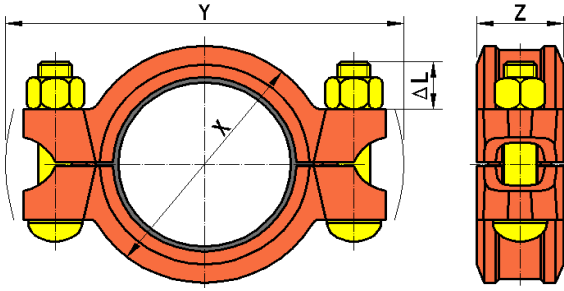
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D-1010E

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Nominal Size	OD	Work Pressure	End Load	Pipe End Separation	X	Y	Z	ΔL	Bolts	Size	Approx. Wt. Ea.
In/mm	In/mm	Psi/bar	Lbs./N	In/mm	In/mm	In/mm	In/mm	In/mm	In/mm	In/mm	Lbs./kg
2	2.375	1000	4428	0.14	3.46	6.54	1.89	0.94	%x2¼		3.1
50	60.3	69	19695	3.6	88	166	48	24	M16x70		1.4
2½	2.875	1000	6489	0.14	4.02	7.09	1.89	1.02	%x3½		4.0
65	73.0	69	28865	3.6	102	180	48	26	M16x90		1.8
3OD	3.000	1000	7065	0.14	4.13	7.20	1.89	1.02	%x3½		4.2
65	76.1	69	31368	3.6	105	183	48	26	M16x90		1.9
3	3.500	1000	9616	0.14	4.72	7.80	1.89	1.02	%x3½		4.8
80	88.9	69	42808	3.6	120	198	48	26	M16x90		2.2
4	4.500	1000	15896	0.25	5.91	9.45	2.07	1.18	¼x4		7.9
100	114.3	69	70764	6.4	150	240	52.5	30	M20x100		3.6
5½OD	5.500	1000	23746	0.25	7.09	10.83	2.09	1.57	¾x5¼		11.2
125	139.7	69	105709	6.4	180	275	53	40	M22x130		5.1
6½OD	6.500	1000	33166	0.25	8.19	12.20	2.09	1.57	¾x5¼		13.9
150	165.1	69	147643	6.4	208	310	53	40	M22x130		6.3
6	6.625	1000	34454	0.25	8.31	12.32	2.09	1.57	¾x5¼		14.1
150	168.3	69	153422	6.4	211	313	53	40	M22x130		6.4
8	8.625	1000	58397	0.25	10.55	15.00	2.48	1.57	1x6		21.1
200	219.1	69	260018	6.4	268	381	63	40	M24x150		9.6
10	10.750	1000	90717	0.25	12.80	16.93	2.48	1.57	1x6		28.0
250	273.0	69	403686	6.4	325	430	63	40	M24x150		12.7
12	12.750	1000	127612	0.25	10.98	18.98	2.48	1.57	1x6		34.8
300	323.9	69	568252	6.4	279	482	63	40	M24x150		15.8

- Style HR24 coupling are essentially rigid coupling and do not permit expansion/contraction or angular movement. Contact VISION for more information.
- These size are not UL/FM approved. These size are NOT intended for use on UGS roll grooved pipe.
- There are no torque requirement for these sizes. However ,the nuts must be tightened by alternating sides until metal-to-metal contact occurs at the bold pad to prevent gasket pinching.

