



StyleUG28R is designed for pipelines that need rigid joints, like fire protection, water supply, drainage or compress air applications. Rigid couplings are also suitable for piping system with heat extension, but VISION expansion joint style #221 or regular expansion joint is required. For detail information please refer to VISION publication 20.01.

The key of UGS rigid coupling has a perfect match with the unique UGS groove coupling in both axial and radial direction. This design provides an outstanding rigidity of the joint.

Size:

- DN200-DN1800 | 8-72"

Maximum Working Pressure:

- 4.1MPa(600psi)
- Working pressure depend on material, wall thickness and pipe size

Material Specifications

Housing:

Ductile iron conforming 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, trackhead meeting the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183.

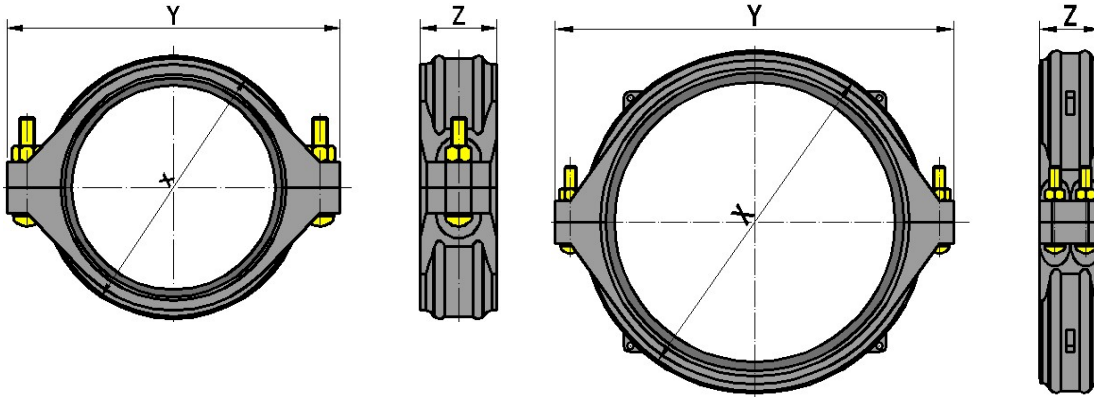
Gasket:

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.

Grade "T" Nitrile gaskets have an orange striped color code identification and conform to ASTM D2000 for service temperatures from -29°C to 82°C(-20°F to 180°F). They are recommended for petroleum products, vegetable oils, mineral oils, and air with oil vapors. For more material of the gaskets, please refer to VISION publication 09.05.

Rigid Coupling Style UG28R

VISION



SIZE		Max.	Max.	Allowable	Dimensions			Bolt/Nut	Approximate
Nominal	Actual O.D.	Working Pressure	End Load	Pipe End Separation	X	Y	Z	Size	Weight
mm	mm	Mpa	N	mm	mm	mm	mm	mm	kg
Inches	Inches	Psi	Lbs.	Inches	Inches	Inches	Inches	Inches	Lbs.ft
200	219.1	4.1	154503	6.4	273	389	100	M24X140	15.3
8	8.625	600	35038	0.25	10.75	15.31	3.94	1×5	33.7
250	273.0	4.1	239872	6.4	330	442	100	M24X140	18.4
10	10.748	600	54410	0.25	12.99	17.40	3.94	1×5	40.5
300	323.9	4.1	337657	6.4	380	493	100	M24X140	21.5
12	12.752	600	76591	0.25	14.96	19.41	3.94	1×5	47.4
350	355.6	2.5	248287	6.4	412	525	121	M24X150	23.3
14	14.000	350	55815	0.25	16.22	20.67	4.76	1×5	51.3
350	377.0	2.5	279070	6.4	434	547	121	M24X150	27.6
14	14.843	350	62735	0.25	17.09	21.54	4.76	1×5	60.8
400	426.0	2.5	356328	6.4	485	600	121	M24X150	32.0
16	16.771	350	80103	0.25	19.09	23.62	4.76	1×6	70.5
450	457.2	2.5	410434	6.4	518	632	121	M24X150	35.6
18	18.709	350	92266	0.25	20.39	24.88	4.76	1×6	78.4
500	508.0	2.5	506709	6.4	571	686	121	M27X150	41.0
20	20.000	350	113908	0.25	22.48	27.01	4.76	1½×6	90.3
500	530.0	2.5	551547	6.4	593	708	121	M27X150	42.2
20	20.866	350	123988	0.25	23.35	27.87	4.76	1½×6	93.0
600	609.6	2.5	729660	6.4	674	802	121	M27X150	52.6
24	24.000	350	164028	0.25	26.54	21.57	4.76	1½×6	115.9
600	630.0	2.5	779313	6.4	696	822	121	M27X150	54.4
24	24.803	350	175190	0.25	27.48	32.36	4.76	1½×6	119.8
650	660.4	2.1	719324	9.6	747	889	144	M27X180	93.0
26	26.000	300	161704	0.38	29.41	35.00	4.49	1½×7	204.8
700	711.2	2.1	834245	9.6	802	940	144	M27X180	99.8
28	28.000	300	187538	0.38	31.57	37.01	4.49	1½×7	219.8
700	720.0	2.1	855018	9.6	810	949	144	M27X180	101.1
28	28.346	300	192208	0.38	31.89	37.36	4.49	1½×7	222.7
750	762.0	2.1	957679	9.6	854	991	144	M30X180	103.0
30	30.000	300	215286	0.38	33.62	39.01	4.49	1½×7	226.9
800	812.8	2.1	1089626	9.6	907	1044	144	M30X180	109.8
32	32.000	300	244948	0.38	35.71	41.10	4.49	1½×7	241.9
900	914.4	2.1	1379058	9.6	994	1150	144	M30X180	121.6
36	36.000	300	310012	0.38	39.13	45.28	4.49	1½×7	267.8
1000	1016.0	1.6	1297174	11.1	1126	1282	165	M36X190	154.2
40	40.000	250	291605	0.44	44.41	50.47	6.50	1½×7	339.6
1050	1066.8	1.6	1430135	11.1	1179	1333	165	M36X190	163.3
42	42.000	250	321494	0.44	46.42	52.48	6.50	1½×7	359.7
1200	1219.2	1.6	1867931	11.1	1340	1486	165	M36X190	192.8
48	48.000	250	419911	0.44	52.76	58.50	6.50	1½×7	424.7
1300	1320.8	1.0	1370140	12.7	1448	1594	206	M36X190	228.5
52	52.000	150	308007	0.50	57.01	62.76	8.11	1½×7	503.3
1400	1422.4	1.0	1589038	12.7	1552	1698	206	M36X190	247.3
56	56.000	150	357216	0.50	61.10	66.85	8.11	1½×7	544.7
1500	1524.0	1.0	1824151	12.7	1656	1802	206	M36X190	267.1
60	60.000	150	410069	0.50	65.20	70.94	8.11	1½×7	288.3
1600	1625.6	1.0	2075479	12.7	1760	1906	206	M36X190	287.8
64	64.000	150	466568	0.50	69.29	75.04	8.11	1½×7	633.9
1700	1727.2	1.0	2343021	12.7	1864	2010	206	M36X190	310.3
68	68.000	150	526711	0.50	73.23	79.13	8.11	1½×7	683.5
1800	1828.8	1.0	2626778	12.7	1968	2114	206	M36X190	334.4
72	72.000	150	590500	0.50	77.32	83.23	8.11	1½×7	736.6

- The max. pipe end separation dimension shown is for system layout purposes only. Style UG28R is rigid coupling and will not accommodate expansion/contraction or angular movement of the pipe system.
- Working Pressure and end load are total, from internal and external loads based on standard weight steel pipe.
- Max. end gap is for cut grooved standard weight pipe. Values for roll grooved pipe will be half of cut grooved.



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