

800-233-6294

Customer: \_\_\_\_\_ Date: \_\_\_\_\_

Job/Project: \_\_\_\_\_

Ref/Tag: \_\_\_\_\_

# 316 Stainless Steel Control Units Data

Sizes 1" [DN25] - 108" [DN2700] - 150-lb Drilling | 0000-0000-4.16

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**general  
rubber**

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## 316 Stainless Steel Control Units Data

Sizes 1" [DN25] - 108" [DN2700] - 150-lb Drilling | 0000-0000-4.16

Pipe Size ID (in)	2 Rod Set Max Pressure (psi)	3 Rod Set Max Pressure (psi)	4 Rod Set Max Pressure (psi)	5 Rod Set Max Pressure (psi)	6 Rod Set Max Pressure (psi)	7 Rod Set Max Pressure (psi)	8 Rod Set Max Pressure (psi)	9 Rod Set Max Pressure (psi)	Rod Dia. "H" (in)	Gusset Thk. "J"		Gusset wt. (lb)	Max Gusset OD "K" (in)	Max Rod Length "G" (in)	Pipe Size ID (in)		
										(in)	(mm)						
1	300	-	-	-	-	-	-	-	5/8"	0.39	10	0.9	8.3	16	1		
1.5	300	-	-	-	-	-	-	-		0.39	10	1.0	9.0	16	1.5		
2	350	-	-	-	-	-	-	-		0.39	10	1.4	10.0	16	2		
2.5	350	-	-	-	-	-	-	-		0.39	10	1.5	11.0	16	2.5		
3	350	-	-	-	-	-	-	-					11.5	16	3.0		
4	350	-	-	-	-	-	-	-		0.39	10	1.4	13.0	16	4		
5	300	-	-	-	-	-	-	-		0.79	20	3.1	14.0	16	5.0		
6	250	-	-	-	-	-	-	-					15.1	16	6		
8	300	-	-	-	-	-	-	-					17.5	16	8		
10	252	300	-	-	-	-	-	-		0.79	20	3.2	20.0	16	10		
12	175	262	275	-	-	-	-	-					23.0	16	12		
14	190	275	-	-	-	-	-	-		0.98	25	3.8	24.1	21	14		
16	145	218	275	-	-	-	-	-	0.98	25	4.3	26.8	21	16			
18	115	172	230	275	-	-	-	-				28.3	21	18			
20	93	139	186	225	-	-	-	-				30.6	21	20			
22	77	115	154	190	-	-	-	-				0.98	25	4.4	32.8	21	22
24	64	96	129	161	190	-	-	-							35.3	21	24
26	55	82	110	137	165	175	-	-				37.3	21	26			
30	68	102	136	150	-	-	-	-	1.38	35	5.8	42.8	29	30			
32	60	90	120	140	-	-	-	-				1.38	35	7.7	46.1	29	32
34	53	79	106	130	-	-	-	-							47.9	29	34
36	47	71	94	118	125	-	-	-							50.3	29	36
40	38	57	76	96	115	125	-	-							54.8	29	40
42	34	52	69	87	104	121	125	-							57.1	29	42
48	41	62	83	104	110	-	-	-	1.38	35	9.3				64.3	32	48
52	35	53	71	89	106	110	-	-				1.38	35	12.7	69.3	32	52
54	33	49	66	82	99	110	-	-							71.5	32	54
56	30	45	61	76	91	107	110	-							73.9	32	56
60	26	40	53	67	80	93	107	110							78.2	32	60
62	25	37	50	62	75	87	100	110							80.7	32	62
64	23	35	46	58	70	81	93	105							83.0	32	64
66	22	33	44	55	66	77	88	99							85.0	32	66
72	18	27	37	46	55	65	74	83							91.5	32	72
78	15	23	31	39	47	55	63	71							98.0	32	78
84	17	26	34	43	52	61	69	78	1.38	35	15.8				105.3	35	84
90	15	22	30	38	45	53	60	68				112.1	35	90			
96	13	20	26	33	40	46	53	60				118.8	35	96			
102	11	17	23	29	35	41	47	53				125.6	35	102			
108	10	15	21	26	31	37	42	47	1.38	35	17.9	132.3	35	108			

- Maximum Control Unit lengths and diameters, as well as gusset thickness, are meant to assist in determining adequate clearance and mating hardware selection. The values are maximum values and are based on mild steel design. Dimensions will change when using high tensile steel and with different arrangements. Contact General Rubber and request a specific submittal drawing for your job.
- Expansion joints should be installed between anchors. Anchors should be located at changes in pipe direction and guides should be spaced accordingly to industry standards. Piping must be supported so the expansion joints do not carry any pipe weight. Contact General Rubber for more details.
- WARNING:** Control Units (sold separately) must be used when piping is not properly anchored. Number of rods are dependent upon maximum field test pressures. Expansion joints may operate in pipelines carrying fluids at elevated temperatures and pressures, so precaution should be taken to ensure proper installation and regular inspection. Care is required to protect personnel in the event of leakage or splash. Adequate floor drains are always recommended.
- Outer and inner Control Unit gaps are set to a maximum of 1/2 the allowable movements, equal on each side so that the sum does not exceed the allowable movement in any direction.
- Above data are using outside nuts only - example GR/B, W/B, SW/B. For internal hardware & integral design contact General Rubber for control units pressure & data.

Contact General Rubber Corporation for full product specifications, Warnings and installation instructions.