

SPECIFY HOLZ ENGINEERED:

Arch Type Connectors: when compression, elongation, lateral or angular movements are a consideration of the installation.

U-Type Connectors: when ONLY vibration or sound limiting characteristics are a consideration of the installation.

#300-Pressure/Vacuum Service. Holz Arch Type for General Service features steel body rings held in place with exclusive ring enveloper system. Can be specified for service in most application. U-Type #430

#200-High Pressure Service. Engineered for high pressure service, U-Type: #420

#3000-Very High Pressure. For extreme pressure applications. Not available in more than two arches. Tapers not available.

#215-Low Pressure Service. For pressures less than 25 PSIG and limited vacuum. U-Type: #450

All styles listed conform to U.S. Coast Guard and ASTM F-1123-87.

EXTENDED SERVICE LIFE

With Holz Engineered Design, Quality Materials and Workmanship

- ELASTOMER COVER** selected for resistance to the atmosphere around the product. Choice of natural, neoprene, nitrile, butyl, Hypalon*, EPDM and Viton*.
- REINFORCING RINGS** of heavy-duty solid steel embedded in elastomer for maximum pressure service.
- BODY RING ENVELOPER**, exclusive with Holz, ties rings on one side of the arch to the other. Prevents ring migration during pressure surges and excessive movements. Extra fabric plies over the arch add to total pressure rating.
- ELASTOMER FILLER** between reinforcing rings absorbs vibrations, sounds and electrolysis.
- STANDARD BODY FABRIC**, elastomer impregnated, is a high tensile polyester. Other fabrics are available. Engineered relationship of fabric plies to the body reinforcing rings determines positive/negative pressures of the product.
- EXTRA FLANGE PLYS** built in, for greater strength of the integral to the body retaining flange.
- LEAK FREE ONE-PIECE TUBE** selected for resistance against medium pumped/piped. Wide choice of elastomers including Teflon*. See Holz "Elastomer Specification Tables", for engineered recommendations.
- RETAINING RINGS** for flanged products. Split steel; plated for corrosion resistance. Required for all installations.
- CONTROL UNIT ASSEMBLIES** prevent over extension of expansion joint. Recommended for most applications. Optional sleeve prevents over compression.

* Registered trademark of E.I. DuPont de Nemours & Co., Inc.

Table 2: CONTROL UNIT ASSEMBLY REQUIREMENTS

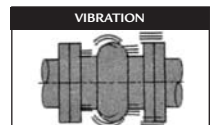
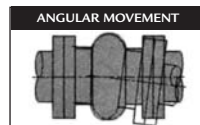
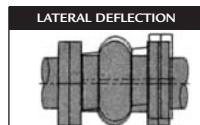
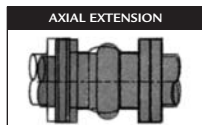
NOM. PIPE SIZE	MAX/DESIGN OR TEST PRESSURE OF SYSTEM - PSIG				
	Number of Control Units Required				
	2	3	4	6	8
1/2	1328	—	—	—	—
3/4	1106	—	—	—	—
1	949	—	—	—	—
1 1/4	830	—	—	—	—
1 1/2	*510	—	—	—	—
2	*661	—	—	—	—
2 1/2	*529	—	—	—	—
3	*441	—	—	—	—
3 1/2	365	547	729	—	—
4	*311	467	622	—	—
5	*235	353	470	—	—
6	*186	278	371	—	—
8	*163	244	326	—	—
10	163	244	325	488	—
12	*160	240	320	481	—
14	*112	167	223	335	—
16	113	170	227	340	453
18	94	141	187	281	375
20	79	118	158	236	315
22	85	128	171	256	342
24	74	110	147	221	294
26	62	93	124	186	248
28	65	98	130	195	261
30	70	105	141	211	281
32	*63	94	125	188	251
34	*72	107	143	215	286
36	*69	103	138	207	276
38	*63	94	125	188	251
40	—	*63	85	127	169
42	—	*72	96	144	192
44	—	*66	88	133	177
46	—	*61	82	122	163
48	—	*60	81	121	161
50	—	56	75	112	150
52	—	53	70	105	140
54	—	*64	86	128	171
56	—	60	80	120	160
58	—	*56	75	113	150
60	—	*53	71	106	141
62	—	—	*66	100	133
66	—	—	*59	89	119
72	—	—	*50	75	101
78	—	—	*56	84	112
84	—	—	*49	73	98
90	—	—	*53	79	106
96	—	—	*58	86	115
102	—	—	*51	76	102
108	—	—	*46	68	91

NOTES:

1. Calculations are based on 65% of yield of the rod.

2. See Table #3 of this brochure.

* FSA recommended minimum number of rods for indicated pipe size.



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