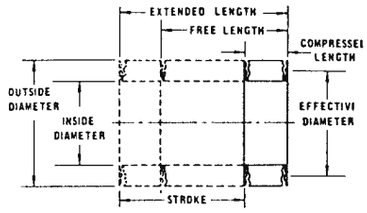
EDGE WELDED BELLOWS

HOW TO ORDER: 1 SEGMENT = 10 CONVOLUTIONS

40 – 20 – 4 – BD

BASIC PART NO. | SEG-MENT NO. | TWO END FLANGE STYLES

THE VALUES LISTED BELOW REPRESENT A NOMINAL DESIGN, SINGEL SEGMENT BELLOWS CAPSULE AND ARE SUBJECT TO MANUFACTURING TOLERANCE VARIATIONS.



Basic Part No.	Segment Number	Outside Dia. mm/Inches	Inside Dia. mm/Inches	Stroke mm/Inches seg (1)	Extended Length mm/in. seg (1)	Compressed Length mm/in. seg (1)	Spring Rate Kg/cm Lbs/in.(2)(3)
H037-12		9.5/.375	3.2/.125	3.8/.15	5.3/.21	1.52/.06	1.6/.9
H040-20		10.1/.396	5.08/.200	3.3/.13	5.3/.21	2.03/0.08	3.4/19
H050-19		12.7/.500	4.8/.190	4.3/.17	8.4/.33	4.06/.16	7.3/41
H059-26		15.1/.595	6.6/.260	6.9/.27	8.9/.35	2.03/.08	3.8/21
H064-34		16.2/.638	8.6/.338	6.1/.24	8.12/.32	2.03/.08	1.6/9
H075-25		19.05/.750	6.35/.250	9.4/.37	13.5/.53	4.06/.16	2.5/14
H084-52		21.2/.835	13.1/.515	6.6/.26	8.6/.34	2.03/0.08	2.0/11
H0103-55		26.2/1.030	13.97/.550	8.6/.34	12.70/.50	4.06/.16	5.0/28
H0112-50		28.6/1.125	12.7/.500	15.25/.60	20.1/.79	4.8/.19	3.8/21
H0117-75		29.9/1.176	19.1/.750	8.4/.33	11.4/.45	3.05/.12	6.4/36
H0125-62		31.75/1.250	15.9/.625	13.5/.53	16.5/.65	3.05/.12	2.9/16
H0125-75		31.75/1.250	19.05/.750	9.9/.37	13.5/.53	4.06/.16	5.9/33
H0136-54		34.4/1.355	13.7/.540	24.9/.98	30.5/1.20	5.9/.22	0.9/5
H0138-83		34.9/1.375	21.1/.830	12.7/.50	17.5/.69	4.8/.19	4.3/24
H0140-40		35.6/1.40	10.2/.400	21.6/.85	26.7/1.05	5.1/.20	8.0/45
H0143-93		36.5/1.437	23.8/.937	9.9/.37	3.5/.53	4.06/.16	8.2/46
H0154-54		39.1/1.500	13.7/.540	21.6/.85	25.7/1.01	4.06/.16	4.1/23
H0150-75		38.1/1.500	19.1/.750	17.0/.67	20.1/.79	3.05/.12	2.5/14
H0150-96		38.1/1.500	24.4/.960	10.4/.41	14.5/.57	3.05/.12	5.0/28
H0162-75		41.27/1.625	19.05/.750	18.3/.72	23.4/.92	5.1/.20	2.3/13
H0162-81		41.27/1.625	20.7/.815	18.5/.73	21.6/.85	3.05/.12	2.3/13
H0175-75		44.45/1.750	19.1/.750	22.6/.89	26.7/1.05	4.06/.16	2.9/16
H0175-100		44.45/1.750	25.4/1.000	16.0/.63	20.1/.79	4.06/.16	6.4/36
H0189-139		48/1.890	35.3/1.390	14.5/.57	18.8/.74	4.3/.17	3.0/17
H0200-107		50.8/2.000	27.2/1.070	20.9/.82	24.9/.98	4.06/.16	4.1/23
H0200-125		50.8/2.000	31.8/1.250	15.0/.59	20.1/.79	5.1/.20	5.5/31
H0206-156		52.37/2.062	39.7/1.562	10.2/.40	13.2/.52	3.05/.12	5.7/32
H0210-160		53/2.100	40.6/1.600	9.9/.37	13.5/.53	4.06/.16	12.5/70
H0220-104		55.9/2.200	26.4/1.040	25.9/1.02	31.0/21.3	5.1/.20	1.4/8
H0220-140		55.9/2.200	35.6/1.400	17.3/.68	21.3/.84	4.06/.16	5.4/30
H0225-150		57.2/2.250	38.1/1.500	16.0/.63	20.1/.79	4.06/.16	5.5/31
H0225-175	specify number of segments or convolutions	57.2/2.250	44.5/1.750	10.4/.41	13.4/.53	3.0/.12	6.4/36
H0249-153		63.3/2.490	38.9/1.530	20.6/.81	25.7/1.01	5.1/.20	3.2/18
H0250-175		63.5/2.500	44.5/1.750	15.0/.59	20.1/.79	5.1/.20	15.2/85
H0262-125		66.7/2.625	31.7/1.250	30.5/1.20	36.6/1.44	6.1/.24	1.8/10
H0262-187		66.7/2.625	47.6/1.875	16.0/.63	20.1/.79	4.06/.16	4.1/23
H0275-175		69.85/2.750	44.5/1.750	21.6/.85	26.7/1.05	5.1/.20	3.2/18
H0300-200		76.2/3.000	50.8/2.000	21.6/.85	26.7/1.05	5.1/.20	3.8/21
H0300-215		76.2/3.000	54.6/2.150	18.5/0.73	22.6/.89	4.06/.16	2.1/12
H0325-225		82.6/3.250	55.9/2.250	20.6/.81	26.7/1.05	6.1/.24	7.1/40
H0350-200		88.9/3.500	50.8/2.000	34.0/1.34	40.13/1.58	6.1/.24	2.0/11
H0350-250		88.9/3.500	63.5/2.500	22.6/.89	26.67/1.05	4.06/.16	2.3/13
H0364-264		92.5/3.640	67.1/2.640	22.6/.89	26.67/1.05	5.1/0.20	50/28
H0372-264		94.5/3.720	67.1/2.640	23.7/.93	28.7/1.13	5.1/0.20	3.4/19
H0386-326		98.0/3.860	82.2/3.260	14.5/.57	19.30/.76	4.8/.19	11.3/63
H0399-269		101.35/3.990	68.3/2.690	28.7/1.13	34.79/1.37	6.1/.24	3.9/22
H0425-320		108/4.250	81.3/3.200	20.8/.82	29.94/1.10	7.1/.28	13.4/75
H0420-340		106.7/4.200	86.4/3.400	17.3/0.68	21.3/.84	4.06/.16	2.0/11
H0435-364		110.5/4.350	92.4/3.640	15.0/.59	19.05/.75	4.06/.16	9.1/51
H0475-375		120.7/4.750	95.2/3.750	21.6/.85	26.67/1.05	5.1/.20	6.6/37
H0497-400		126.24/4.970	101.6/4.000	22.86/.90	28.44/1.12	5.9/.22	7.0/39
H0525-420		133.4/5.250	106.7/4.200	21.8/.86	27.9/1.10	6.1/.24	9.5/53
H0572-403		145.2/5.718	102.4/4.031	42.92/1.69	49.53/1.95	6.6/.26	2.5/14
Ho600-450		152.4/6.000	114.3/4.500	34.03/1.34	40.13/1.58	6.1/.24	4.1/23
H0644-540		163.6/6.440	137.2/5.400	22.6/.89	27.68/1.09	5.1/.20	8.4/47
H0698-498		177.3/6.979	126.4/4.979	45.21/1.78	53.34/2.10	8.12/.32	4.6/26
H0698-580		177.3/6.980	149.4/5.880	24.4/1.96	29.5/1.16	5.1/.20	5.5/31
H0750-600		190.5/7.500	152.4/6.000	34.03/1.34	40.13/1.58	6.1/.24	5.4/30
H0800-630		203.2/8.000	160.0/6.300	38.1/1.50	45.2/1.78	7.1/.28	4.8/27
H0825-625		209.6/8.250	158.8/6.250	40.6/1.60	53.3/2.10	12.7/.50	10.0/56
H0880-780		223.5/8.800	198.1/7.800	20.6/.81	26.7/1.05	6.1/.24	21.8/122
H0950-850		241.3/9.5000	215.9/8.500	20.6/.81	26.67/1.05	6.1/.24	25.4/142
H0980-880		248.9/9.800	223.5/8.800	17.5/.69	26.7/1.05	9.1/.36	50.4/282
H0110-950		279.4/11.00	241.3/9.500	32.8/1.29	39.9/1.57	7.1/.28	10.7/60
H01400-1200		355.6/14.000	304.8/12.000	45.21/1.78	53.3/2.10	8.12/.32	10.7/60

(1) - For a bellow capsule consisting of more than one segment, multiply the value listed by the desired number of segments or convolutions
(2) - The value listed represents an avarage value and may vary with changing conditions, such as convolution pitch and/or pressure differential
(3) - For a bellow capsule consisting of more than one segment, divide the value listed by the desired number of segments
(4) - Spring rate is the force required to move the bellow one inch = 25 mm in axial motion.

Hositrad can also repair or replace bellows segments.

Hositrad Holland B.V. - De Wel 44 - 3871 MV - P.O.B. 114 - 3870 CC Hoevelaken - Phone:+31 (0)33-2537210 Fax:+31 (0)33-2535274
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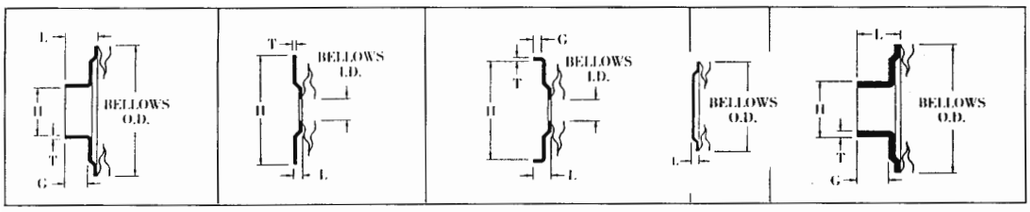
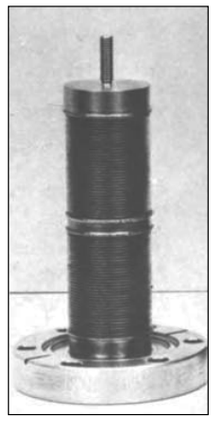
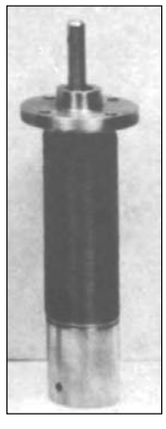
All Printed pricing and data are subject to change without notice, for the actual prices see our website.
www.hositrad.com - e-mail:info@hositrad.com



Special bellows made by Hositrad





Style A				Style B			Style C				Style D	Style E			
H mm	G mm	T mm	L mm	H mm	T mm	L mm	H mm	G mm	T mm	L mm	L mm	H mm	G mm	T mm	L mm
3.2	0.8	0.10	1.0	12.7	0.10	0.3	9.8	0.6	0.10	0 9	0.4	6.4	6.4	0.9	7.6
4.8	1.3	0.20	1.8	12.7	0.20	0.6	9.7	1.3	0.20	1.9	0.9	6.4	6.4	0.9	7.6
6.5	1.3	0.20	1.8	15.9	0.20	0.8	12.8	1.5	0.20	2.3	0.9	7.9	6.4	0.9	7.6
7.6	1.3	0.20	1.9	17.4	0.25	0.6	16.0	2.2	0.25	3.0	3.0	9.5	6.3	0.9	7.9
9.7	1.4	0.25	1.9	19.1	0.25	0.6	16.0	1.5	0.25	2.4	1.3	11.1	9.5	0.9	10.3
9.7	1.5	0.25	2.0	24.6	0.25	0.5	19.2	2.0	0.25	3.3	1.3	12.7	9.5	0.9	10.9
14.4	1.5	0.25	2.0	25.4	0.25	1.0	22.4	2.0	0.25	2.8	1.3	14.3	9.5	0.9	10.9
12.8	1.7	0.31	2.3	29.3	0.31	0.9	27.1	2.5	0.31	3.4	1.6	17.4	9.5	0.9	10.9
16.0	1.7	0.31	2.3	31.8	0.31	0.9	28.7	2.5	0.31	3.9	1.6	19.1	9.5	0.9	10.9
16.5	2.2	0.31	2.3	30.2	0.38	0.8	30.2	2.2	0.31	3.2	1.5	22.2	9.5	0.9	10.9
16.5	2.5	0.31	3.0	34.9	0.38	1.0	28.6	2.5	0.31	3.4	1.5	22.2	9.5	0.9	10.9
18.4	3.0	0.31	4.1	34.9	0.31	1.1	31.9	2.5	0.31	3.7	1.6	22.2	9.5	0.9	10.9
16.0	1.5	0.31	2.2	38.1	0.31	2.2	35.1	2.5	0.31	4.7	1.6	23.8	9.5	0.9	10.9
22.4	1.9	0.31	2.5	38.1	0.31	1.7	35.1	2.5	0.31	4.2	1.6	25.4	9.5	0.9	10.9
24.4	1.9	0.31	2.4	38.1	0.38	1.14	35.1	2.5	0.31	4.2	1.6	28.6	10.9	1.2	12.7
24.4	1.9	0.31	2.4	38.1	0.31	0.8	36.6	2.4	0.38	3.6	1.5	28.6	10.9	1.2	12.7
12.5	2.0	0.31	3.0	38.1	0.31	1.1	38.7	2.4	0.38	3.6	1.5	28.6	10.9	1.3	12.7
17.7	2.3	0.31	3.2	41.3	0.31	1.0	38.7	2.4	0.38	3.6	1.5	28.6	10.9.	1.3	12.7
28.7	2.5	0.38	3.3	41.3	0.38	0.8	38.2	2.5	0.38	3.3	2.0	28.6	9.5	0.9	10.9
22.4	2.4	0.38	3.2	46.3	0.38	1.3	41.4	3.2	0.38	4.4	2.0	25.4	9.5	0.9	11 0
22.4	2.4	0.38	3.2	44.5	0.38	1.3	41.4	2.4	0.38	3.6	1.5	28.6	10.9	1.3	12.7
17.8	2.4	0.38	3.2	47.6	0.38	1.3	44.6	2.4	0.38	3.7	1.5	28.6	10.9	1.3	12.7
24.1	3.0	0.38	3.2	47.6	0.38	1.3	44.6	2.4	0.38	3.7	1.5	28.6	10.9	1.3	12.7
41.4	3.0	0.38	3.8	51.4	0.38	1.5	47.8	3.2	0.38	4.7	2.0	38.1	9.5	0.9	11.0
25.4	3.0	0.38	3.8	54.0	0.38	1.3	63.5	3.2	0.38	4.5	1.9	41.3	12.7	1.3	14.2
35.1	2.8	0.38	3.6	55.5	0.38	1.1	51.1	3.2	0.38	4.3	2.0	31.8	9.5	0.9	11.0
36.1	3.0	0.38	3.8	55.5	0.38	1.3	67.3	3.2	0.38	4.5	1.9	41.3	12.7	1.3	14.2
38.1	3.0	0.38	3.8	57.2	0.38	1.1	54.1	3.2	0.38	4.5	1.9	41.3	12.7	1.3	14.2
28.7	2.5	0.38	3.3	60.3	0.38	0.9	57.3	3.2	0.38	5.2	2.4	38.1	9.5	0.9	11.0
34.3	3.2	0.38	3.8	60.3	0.38	1.3	57.3	3.2	0.38	4.5	1.9	41.3	12.7	1.3	14.2
44.8	3.2	0.38	4.0	60.3	0.38	1.3	57.4	3.2	0.38	4.5	1.9	41.3	12.7	1.3	14.2
44.8	3.3	0.38	4.4	60.3	0.38	0.9	57.5	2.9	0.38	4.1	1.9	41.3	12.7	1.3	14.2
41.4	3.0	0.38	3.8	68.1	0.38	2.5	63.8	3.2	0.38	4.8	2.4	41.3	9.5	0.9	11.0
47.8	3.0	0.38	3.8	68.1	0.38	1.7	63.8	3.2	0.38	4.8	2.4	47.6	9.5	0.9	11.0
35.1	2.8	0.38	3.6	71.4	0.38	2.2	70.1	3.6	0.38	5.7	2.8	47.6	9.5	0.9	11.0
44.5	3.0	0.38	3.6	71.4	0.38	1.7	66.8	3.2	0.38	4.5	1.9	50.8	12.7	1.7	15.0
47.8	3.0	0.38	3.8	74.6	0.38	1.3	70.1	3.6	0.38	4.8	3.2	47.6	9.5	0.9	11.0
44.7	3.6	0.51	4.3	79.4	0.38	1.3	76.5	3.6	0.38	4.8	3.2	54.0	12.7	1.7	15.0
50.8	3.6	0.38	4.3	79.4	0.38	1.2	76.5	3.2	0.38	4.7	1.9	60.3	12.7	1.7	15.0
60.6	3.6	0.38	4.3	87.3	0.38	1.7	82.8	3.6	0.38	5.2	3.2	57.2	12.7	1.7	15.0
54.2	3.6	0.38	4.3	93.6	0.38	3.2	89.2	3.6	0.38	6.7	3.2	60.3	12.7	1.7	15.0
66.9	3.6	0.38	4.3	93.6	0.38	1.0	89.2	3.6	0.38	4.6	3.2	69.9	12.7	1.7	15.0
63.5	3.6	0.38	5.1	95.3	0.46	1.5	95.4	3.8	0.45	5.5	3.2	69.9	12.7	1.7	15.0
63.5	3.6	0.38	5.1	98.4	0.46	1.6	95.4	3.8	0.45	5.5	3.2	69.9	12.7	1.7	15.0
89.2	4.1	0.51	5.1	104.8	0.51	1.3	101.9	3.8	0.51	5.1	3.2	82.6	12.7	1.7	15.0
73.4	4.1	0.51	5.1	104.8	0.51	1.1	102.1	3.8	0.51	4.8	3.2	69.9	12.7	1.7	15.0
88.9	4.6	0.51	6.1	111.1	0.51	2.2	109.0	4.6	0.51	6.6	1.5	95.3	12.7	1.7	15.0
83.8	4.6	0.51	5.6	111.1	0.51	1.2	108.1	3.8	0.51	5.8	3.2	95.3	12.7	2.1	15.0
95.5	4.6	0.51	5.6	117.5	0.51	1.5	114.6	4.6	0.51	5.7	3.2	95.3	12.7	1.7	15.0
101.9	4.6	0.51	5.6	127.0	0.51	2.3	120.9	4.6	0.51	6.9	3.2	101.6	12.7	1.7	15.0
108.2	5.1	0.51	6.1	130.2	0.51	1.3	127.4	5.1	0.51	7.7	3.2	108.0	12.7	1.7	15.0
				136.5	0.51	3.2	133.6	3.8	0.76	7.7	3.2	114.3	15.2	2.1	18.5
											4.8	108.0	12.7	1.7	15.0
											4.8	127.0	12.7	1.7	15.0
											4.8	152.4	12.7	2.1	15.0
											4.8	152.4	12.7	1.7	15.0
											4.8	152.4	15.2	3.1	19.1
											4.8	152.4	127	2.1	15.0
											6.4	152.4	12.7	2.1	15.0
											6.4	152.4	12.7	2.1	15.0
											6.4	158.7	12.7	2.1	15.0
											6.4	198.1	12.7	2.1	15.0
											6.4	223.5	12.7	2.1	15.2
											6.4	254.0	15.8	3.0	19.1
											6.4	323.9	12.7	4.6	17.3

End Flanges Available on Request

All bellows can be supplied with B-style with same O.D. as bellow O.D.

MATERIALS, INCLUDING ALL THE 300 SERIES SST'S, AM-350 (ANNEALED OR HEAT TREADED), INCONELS, MONELS, HASTELLOYS, ETC. TO MEET VARIOUS REQUIREMENDS FOR CORROSION RESISTANCE AND LIFE EXPECTANCY CYCLE LIFE FROM THE STANDARD 10000 UP THROUGH MANY MILLIONS CAN BE PROVIDED AND HAVE ALREADY BEEN PROVEND IN THE FIELD. IF AN APPLICATION WARRANTS IT, A LIFE TEST CAN BE RUN UNDER ACTUAL OPERATING PARAMETERS IN OUR FACILITY, WITH CERTIFICATION PROVIDED. THERE IS NORMALLY A NOMINAL CHARGE ASSOCIATED WITH THIS SERVICE.

Tolerance	4.78 to 38,23± 0.05
in mm	38.35 to 76.45 ± 0.08
	76.58 to 127.38 ± 0.10
	127.51 to 203.2 ± 0.38