

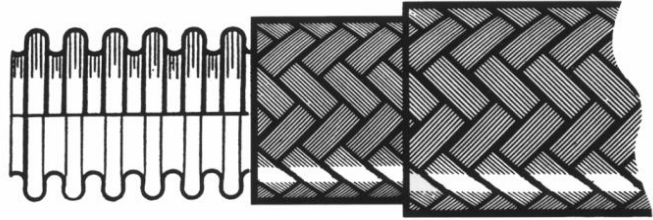
## B-FLEX

### Stainless Steel Annular Convuluted Hose.

A close pitch hose with a high degree of flexibility suitable for most applications and normally supplied.

## BRAID

Single or double layers of Stainless Steel braid prevent elongation of the convoluted hose and increase the working pressures that the hose can accommodate.



Convoluted  
Hose Core

Single  
Braid

Double  
Braid

Nominal Size DN		Maximum Working Pressure at 20°C		Maximum Test Pressure at 20°C		Burst Pressure at 20°C		Minimum Bend Radius Flexing		Nominal O.D.		Approximate Weight		Artiflex Reference	
mm	ins	bar	lbs/sq ins	bar	lbs/sq ins	bar	lbs/sq ins	mm	ins	mm	ins	Kg/m	lbs/ft		
6	1/4	10	145	15	220	40	580	100	4.0	13.0	0.50	0.17	0.11	ASB/40	●
		140	2030	210	3045	560	8120	100	4.0	15.0	0.60	0.28	0.19	ASB/41	▲
		250	3625	375	5440	1000	14500	100	4.0	17.5	0.68	0.40	0.27	ASB/42	■
10	3/8	10	145	15	220	40	580	125	5.0	16.5	0.65	0.24	0.16	ASB/60	●
		100	1450	150	2175	400	5800	125	5.0	18.0	0.71	0.39	0.26	ASB/61	▲
		155	2250	233	3375	620	9000	125	5.0	20.5	0.81	0.56	0.38	ASB/62	■
12	1/2	5	75	7.5	110	20	290	125	5.0	21.5	0.85	0.31	0.21	ASB/80	●
		90	1305	135	1960	360	5220	125	5.0	23.0	0.90	0.50	0.34	ASB/81	▲
		131	1900	196	2850	524	7600	125	5.0	25.5	1.00	0.71	0.48	ASB/82	■
16	5/8	5	75	7	105	20	290	150	6.0	24.0	0.95	0.35	0.23	ASB/100	●
		65	940	97	1410	260	3770	150	6.0	25.5	1.00	0.55	0.37	ASB/101	▲
		105	1525	158	2290	420	6100	150	6.0	27.5	1.08	0.75	0.50	ASB/102	■
20	3/4	4	60	6	90	16	230	150	6.0	28.5	1.10	0.37	0.25	ASB/120	●
		55	800	83	1200	220	3200	150	6.0	31.5	1.24	0.62	0.42	ASB/121	▲
		93	1350	140	2030	375	5400	150	6.0	34.5	1.36	0.90	0.60	ASB/122	■
25	1	4	60	6	90	16	230	175	7.0	36.0	1.40	0.48	0.32	ASB/160	●
		48	700	72	1050	192	2780	175	7.0	37.5	1.50	0.80	0.53	ASB/161	▲
		77	1120	115	1670	308	4470	175	7.0	40.5	1.60	1.13	0.75	ASB/162	■
32	1 1/4	3	43	4.5	65	12	170	200	8.0	43.5	1.70	0.65	0.45	ASB/200	●
		38	550	57	825	152	2200	200	8.0	47.0	1.85	1.15	0.78	ASB/201	▲
		62	900	93	1350	248	3600	200	8.0	51.0	2.00	1.70	1.15	ASB/202	■
40	1 1/2	2	29	3	43	8	120	250	10	53.0	2.10	0.85	0.57	ASB/240	●
		34	490	51	740	136	1970	250	10	56.5	2.20	1.50	1.00	ASB/241	▲
		46	670	69	1000	184	2670	250	10	60.0	2.35	2.20	1.50	ASB/242	■
50	2	1	14	1.5	22	4	60	350	14	67.5	2.65	1.25	0.84	ASB/320	●
		31	450	46	670	124	1800	350	14	71.0	2.80	2.10	1.40	ASB/321	▲
		43	625	64	930	172	2500	350	14	75.0	2.95	3.05	2.05	ASB/322	■
65	2 1/2	1	14	1.5	22	4	60	500	20	81.5	3.20	1.55	1.03	ASB/400	●
		27	390	40	580	108	1570	500	20	86.5	3.40	2.65	1.78	ASB/401	▲
		37	540	56	810	148	2150	500	20	91.0	3.60	3.90	2.60	ASB/402	■
80	3	1	14	1.5	22	4	60	525	21	96	3.80	1.80	1.20	ASB/480	●
		24	350	36	520	96	1400	525	21	100	3.95	3.13	2.10	ASB/481	▲
		34	490	51	740	136	1980	525	21	105	4.10	4.55	3.05	ASB/482	■
100	4	0.7	10	1.1	16	3	43	625	25	124	4.90	2.40	1.60	ASB/640	●
		15	215	22	320	60	870	625	25	130	5.10	4.15	2.77	ASB/641	▲
		18	260	27	400	72	1050	625	25	136	5.35	6.05	4.05	ASB/642	■
125	5	0.7	10	1.1	16	3	43	750	30	154	6.05	3.90	2.60	ASB/800	●
		14	200	21	305	56	810	750	30	159	6.25	6.40	4.28	ASB/801	▲
		17	250	25	360	68	990	750	30	165	6.50	9.10	6.12	ASB/802	■
150	6	0.5	7	0.75	11	2	29	900	36	178	7.00	4.50	3.10	ASB/960	●
		9	130	14	200	36	520	900	36	183	7.20	7.85	5.25	ASB/961	▲
		14	200	21	305	56	810	900	36	188	7.40	11.50	7.70	ASB/962	■
200	8	0.3	4	0.45	6	1.2	17	1020	40	234	9.20	6.75	4.53	ASB/1280	●
		8	120	12	170	32	460	1020	40	241	9.50	11.20	7.51	ASB/1281	▲
		14	200	21	305	56	810	1020	40	246	9.70	16.20	10.90	ASB/1282	■
250	10	0.25	3	0.36	5	1	14	1220	48	286	11.25	10.30	6.91	ASB/1600	●
		6	90	9	130	24	350	1220	48	290	11.40	15.30	10.30	ASB/1601	▲
		10	145	15	220	40	580	1220	48	295	11.60	20.80	14.00	ASB/1602	■
300	12	0.2	3	0.3	4	/	/	1520	60	335	13.2	8.40	5.63	ASB/1920	●
		5.5	80	8.2	120	22	320	1520	60	343	13.5	14.30	9.60	ASB/1921	▲
		8.2	120	12.3	180	33	480	1520	60	351	13.8	20.10	13.50	ASB/1922	■

PLEASE NOTE: Pressures for 200mm (8ins), 250mm (10ins) and 300mm (12ins) are based on the use of ARTIFEX Braided Braid

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#### WORKING PRESSURE

Working pressures are quoted for fluid temperatures at 20°C. Higher fluid temperatures will result in a lower working pressure. These modified working pressures can be calculated using the TEMPERATURE CORRECTION CHART on page 13 of the Artiflex Catalogue.

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#### TEST PRESSURE

To avoid distortion of the convoluted form of the hose, the maximum test pressures quoted in this literature **must not be exceeded**. All hoses are subjected to a test of one-and-a-half times the customer's stated working pressure, provided that this does not exceed the stated maximum test pressure. If a working pressure is not stated, then ARTIFEX Standard Test Procedures will apply.

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#### HOSE & BRAID MATERIALS

B-Flex & C-Flex hose is normally supplied in Stainless Steel Grade 321 S31. (Werkstoff Nr: 1.4541)  
Braid is normally supplied in Grade 304L. (Werkstoff Nr: 1.4306)  
All our hose and braid is also available in Grade 316L. (Werkstoff Nr: 1.4404)