



Double  
Braid



Single  
Braid



Convoluted  
Hose Only



## C-FLEX

### Stainless Steel Annular Convoluted Hose.

A very close pitch hose for an exceptionally high degree of flexibility and high working pressures. Suitable for exacting areas of flexibility and vibration.

## 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.

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		Artifex 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	75	3.0	13.0	0.50	0.22	0.15	ASC/40	●
		160	2320	240	3480	640	9280	75	3.0	15.0	0.60	0.33	0.22	ASC/41	▲
		275	3990	412	5970	1100	15950	75	3.0	17.5	0.68	0.45	0.30	ASC/42	■
10	3/8	10	145	15	220	40	580	90	3.5	16.5	0.65	0.33	0.22	ASC/60	●
		138	2000	207	3000	552	8000	90	3.5	18.0	0.71	0.48	0.32	ASC/61	▲
		172	2500	258	3750	690	10000	90	3.5	20.5	0.81	0.65	0.44	ASC/62	■
12	1/2	5	75	7.5	110	20	290	100	4.0	21.5	0.85	0.40	0.27	ASC/80	●
		103	1500	154	2230	412	5980	100	4.0	23.0	0.90	0.60	0.40	ASC/81	▲
		155	2250	233	3375	620	9000	100	4.0	25.5	1.00	0.80	0.54	ASC/82	■
16	5/8	5	75	7	105	20	290	150	4.5	24.0	0.95	0.35	0.34	ASC/100	●
		65	940	97	1410	260	3770	150	4.5	25.5	1.00	0.55	0.50	ASC/101	▲
		105	1525	158	2290	420	6100	150	4.5	27.5	1.08	0.75	0.67	ASC/102	■
20	3/4	4	60	6	90	16	230	115	4.5	28.5	1.10	0.50	0.34	ASC/120	●
		62	900	93	1350	248	3600	115	4.5	31.5	1.24	0.75	0.50	ASC/121	▲
		110	1600	165	2400	440	6400	115	4.5	34.5	1.36	1.00	0.67	ASC/122	■
25	1	4	60	6	90	16	230	125	5.0	36.0	1.40	0.65	0.44	ASC/160	●
		52	750	78	1130	208	3020	125	5.0	37.5	1.50	0.95	0.65	ASC/161	▲
		90	1305	135	1960	360	5220	125	5.0	40.5	1.60	1.25	0.84	ASC/162	■
32	1 1/4	3	43	4.5	65	12	170	150	6.0	43.5	1.70	0.90	0.60	ASC/200	●
		42	610	63	910	168	2440	150	6.0	47.0	1.85	1.40	0.94	ASC/201	▲
		69	1000	103	1500	276	4000	150	6.0	51.0	2.00	1.95	1.30	ASC/202	■
40	1 1/2	2	29	3	43	8	120	200	8.0	53.0	2.10	1.10	0.74	ASC/240	●
		38	550	57	830	152	2200	200	8.0	56.5	2.20	1.75	1.17	ASC/241	▲
		52	750	78	1130	208	3000	200	8.0	60.0	2.35	2.45	1.64	ASC/242	■
50	2	1	14	1.5	22	4	60	275	11	67.5	2.65	1.60	1.07	ASC/320	●
		34	490	51	740	136	1970	275	11	71.0	2.80	2.45	1.64	ASC/321	▲
		48	700	72	1050	192	2780	275	11	75.0	2.95	3.40	2.28	ASC/322	■
65	2 1/2	1	14	1.5	22	4	60	350	14	81.5	3.20	1.90	1.27	ASC/400	●
		31	450	46	670	124	1800	350	14	86.5	3.40	3.00	2.00	ASC/401	▲
		41	595	61	890	164	2380	350	14	91.0	3.60	4.20	2.80	ASC/402	■
80	3	1	14	1.5	22	4	60	400	16	96	3.80	2.25	1.50	ASC/480	●
		27	390	40	580	108	1570	400	16	100	3.95	3.55	2.35	ASC/481	▲
		38	550	57	830	152	2200	400	16	105	4.10	5.00	3.35	ASC/482	■
100	4	0.7	10	1.1	16	3	43	500	20	124	4.90	3.10	2.08	ASC/640	●
		17	250	25	360	68	990	500	20	130	5.10	4.80	3.20	ASC/641	▲
		20	290	30	440	80	1160	500	20	136	5.35	6.70	4.50	ASC/642	■
125	5	0.7	10	1.1	16	3	43	660	26	154	6.05	5.00	3.35	ASC/800	●
		16	230	24	350	64	920	660	26	159	6.25	7.50	5.00	ASC/801	▲
		19	280	28	410	76	1100	660	26	165	6.50	10.20	6.80	ASC/802	■
150	6	0.5	7	0.75	11	2	29	760	30	178	7.00	5.80	3.90	ASC/960	●
		10	145	15	220	40	580	760	30	183	7.20	9.10	6.10	ASC/961	▲
		15	220	22	320	60	870	760	30	188	7.40	12.70	8.50	ASC/962	■

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#### MATERIALS TESTING

All hose assemblies are hydraulically tested before being despatched. Pneumatic testing by air or gas under water will be carried out where necessary.

#### CERTIFICATION

Test and material certificates will be supplied when specifically requested.

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#### HOSE END FITTINGS

A comprehensive range of flanges, screwed connectors, tube ends or individually designed fittings can be welded to the hose by an Argon arc process. For details of standard fittings see pages 4 to 9 in the Artifex catalogue.

NB: Hose and Braid only, can be supplied to customers having the necessary equipment to manufacture their own hose assemblies.

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#### MINIMUM BEND RADII

Dimensions given are for flexing applications. For static conditions 60% of this value should be used.

#### CHEMICAL SUITABILITY & TEMPERATURE CORRECTION

For details of these parameters, see pages 10, 11 and 13 in the Artifex catalogue.