



Double Braid

Single Braid

Convoluted Hose Core

## 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 Hose Reference
					mm	ins.	Kg/m	lbs/ft	
6	10	15	40	75	13.0	0.50	0.22	0.15	ASC/40
	160	240	640	75	15.0	0.60	0.33	0.22	ASC/41
	275	412	1100	75	17.5	0.68	0.45	0.30	ASC/42
10	10	15	40	90	16.5	0.65	0.33	0.22	ASC/60
	138	207	552	90	18.0	0.71	0.48	0.32	ASC/61
	220	330	880	90	20.5	0.81	0.65	0.44	ASC/62
12	5	7.5	20	100	21.5	0.85	0.40	0.27	ASC/80
	103	154	412	100	23.0	0.90	0.60	0.40	ASC/81
	176	264	704	100	25.5	1.00	0.80	0.54	ASC/82
20	4	6	16	115	28.5	1.10	0.50	0.34	ASC/120
	62	93	248	115	31.5	1.24	0.75	0.50	ASC/121
	110	165	440	115	34.5	1.36	1.00	0.67	ASC/122
25	4	6	16	125	36.0	1.40	0.65	0.44	ASC/160
	52	78	208	125	37.5	1.50	0.95	0.65	ASC/161
	90	135	360	125	40.5	1.60	1.25	0.84	ASC/162
32	3	4.5	12	150	43.5	1.70	0.90	0.60	ASC/200
	42	63	168	150	47.0	1.85	1.40	0.94	ASC/201
	69	103	276	150	51.0	2.00	1.95	1.30	ASC/202
40	2	3	8	200	53.0	2.10	1.10	0.74	ASC/240
	38	57	152	200	56.5	2.20	1.75	1.17	ASC/241
	52	78	208	200	60.0	2.35	2.45	1.64	ASC/242
50	1	1.5	4	275	67.5	2.65	1.60	1.07	ASC/320
	34	51	136	275	71.0	2.80	2.45	1.64	ASC/321
	48	72	192	275	75.0	2.95	3.40	2.28	ASC/322
65	1	1.5	4	350	81.5	3.20	1.90	1.27	ASC/400
	31	46	124	350	86.5	3.40	3.00	2.00	ASC/401
	41	61	164	350	91.0	3.60	4.20	2.80	ASC/402
80	1	1.5	4	400	96	3.80	2.25	1.50	ASC/480
	27	40	108	400	100	3.95	3.55	2.35	ASC/481
	38	57	152	400	105	4.10	5.00	3.35	ASC/482
100	0.7	1.1	3	500	124	4.90	3.10	2.08	ASC/640
	17	25	68	500	130	5.10	4.80	3.20	ASC/641
	20	30	80	500	136	5.35	6.70	4.50	ASC/642
125	0.7	1.1	3	660	154	6.05	5.00	3.35	ASC/800
	16	24	64	660	159	6.25	7.50	5.00	ASC/801
	19	28	76	660	165	6.50	10.2	6.80	ASC/802
150	0.5	0.75	2	760	178	7.00	5.80	3.90	ASC/960
	10	15	40	760	183	7.20	9.10	6.10	ASC/961
	15	22	60	760	188	7.40	12.7	8.50	ASC/962

4

#### 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.

**TEST and MATERIAL CERTIFICATES** will be supplied when specifically requested at the time of ordering.

5

#### 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.

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

6

#### MINIMUM BEND RADII

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

#### CHEMICAL SUITABILITY & TEMPERATURE CORRECTION

See pages 10, 11 and 13 for details of these important parameters.