



Double Braid

Single Braid

Convuluted Hose Core

C-FLEX

Stainless Steel Annular Convuluted 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	Hose Reference
mm ins	bar lbs/sq. in.	bar lbs/sq. in.	bar lbs/sq. in.	mm ins.	mm ins.	Kg/m lbs/ft	
6 1/4	10 145 160 2320 275 3990	15 220 240 3480 412 5970	40 580 640 9280 1100 15950	75 3.0 75 3.0 75 3.0	13.0 0.50 15.0 0.60 17.5 0.68	0.22 0.15 0.33 0.22 0.45 0.30	● ▲ ■
10 3/8	10 145 138 2000 220 3190	15 220 207 3000 330 4790	40 580 552 8000 880 12760	90 3.5 90 3.5 90 3.5	16.5 0.65 18.0 0.71 20.5 0.81	0.33 0.22 0.48 0.32 0.65 0.44	● ▲ ■
12 1/2	5 75 103 1500 176 2550	7.5 110 154 2230 264 3830	20 290 412 5980 704 10200	100 4.0 100 4.0 100 4.0	21.5 0.85 23.0 0.90 25.5 1.00	0.40 0.27 0.60 0.40 0.80 0.54	● ▲ ■
20 3/4	4 60 62 900 110 1600	6 90 93 1350 165 2400	16 230 248 3600 440 6400	115 4.5 115 4.5 115 4.5	28.5 1.10 31.5 1.24 34.5 1.36	0.50 0.34 0.75 0.50 1.00 0.67	● ▲ ■
25 1	4 60 52 750 90 1305	6 90 78 1130 135 1960	16 230 208 3020 360 5220	125 5.0 125 5.0 125 5.0	36.0 1.40 37.5 1.50 40.5 1.60	0.65 0.44 0.95 0.65 1.25 0.84	● ▲ ■
32 1 1/4	3 43 42 610 69 1000	4.5 65 63 910 103 1500	12 170 168 2440 276 4000	150 6.0 150 6.0 150 6.0	43.5 1.70 47.0 1.85 51.0 2.00	0.90 0.60 1.40 0.94 1.95 1.30	● ▲ ■
40 1 1/2	2 29 38 550 52 750	3 43 57 830 78 1130	8 120 152 2200 208 3000	200 8.0 200 8.0 200 8.0	53.0 2.10 56.5 2.20 60.0 2.35	1.10 0.74 1.75 1.17 2.45 1.64	● ▲ ■
50 2	1 14 34 490 48 700	1.5 22 51 740 72 1050	4 60 136 1970 192 2780	275 11 275 11 275 11	67.5 2.65 71.0 2.80 75.0 2.95	1.60 1.07 2.45 1.64 3.40 2.28	● ▲ ■
65 2 1/2	1 14 31 450 41 595	1.5 22 46 670 61 890	4 60 124 1800 164 2380	350 14 350 14 350 14	81.5 3.20 86.5 3.40 91.0 3.60	1.90 1.27 3.00 2.00 4.20 2.80	● ▲ ■
80 3	1 14 27 390 38 550	1.5 22 40 580 57 830	4 60 108 1570 152 2200	400 16 400 16 400 16	96 3.80 100 3.95 105 4.10	2.25 1.50 3.55 2.35 5.00 3.35	● ▲ ■
100 4	0.7 10 17 250 20 290	1.1 16 25 360 30 440	3 43 68 990 80 1160	500 20 500 20 500 20	124 4.90 130 5.10 136 5.35	3.10 2.08 4.80 3.20 6.70 4.50	● ▲ ■
125 5	0.7 10 16 230 19 280	1.1 16 24 350 28 410	3 43 64 920 76 1100	660 26 660 26 660 26	154 6.05 159 6.25 165 6.50	5.00 3.35 7.50 5.00 10.2 6.80	● ▲ ■
150 6	0.5 7 10 145 15 220	0.75 11 15 220 22 320	2 29 40 580 60 870	760 30 760 30 760 30	178 7.00 183 7.20 188 7.40	5.80 3.90 9.10 6.10 12.7 8.50	● ▲ ■

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.

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.