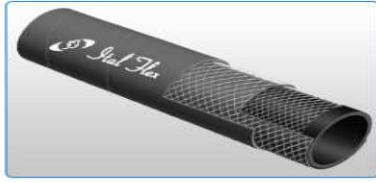


Stainless Steel Metallic Hoses & Braids



Application

The manufacture of stainless steel flexible hoses involve the use of tested stainless steel strips conforming to AISI 304/316L/316 or 321. The specific application of the hose very often decides the grade of material. The hose is of annular construction and the convoluted formation determines its flexibility. These types of hoses find extensive application where pressures and temperatures are involved. Our Standard manufacturing range consists of class B flexibility as per BS 6501 part I 1991. Specific requirements of fine pitch hoses with maximum flexibility of class C as per BS 6501 Part I 1991 can be met from this manufacturing facility. Range of products 1/4 ID to 12 ID.

Note:

Annular corrugated hose made of (304, 321, 316 & 316L) Technical Data Sheet Medium pitch annular corrugated hose for high flexibility, without or with reinforcement of single, double, triple AISI 304, 321 & 316 braid.

Applicable Standard : Flexibility: Type B, BS6501 Part 1

Temperature Range:Continuous: -200°C to + 700°C

Size	Nominal Bore	Min. Bend Radius		Without Braid		Single Braid		Double Braid	
		Static	Flexing	Max. Working Pressure	Test Pressure	Max. Working Pressure	Burst Pressure	Max. Working Pressure	Burst Pressure
N.B	H.B	mm	mm	kg / cm2	kg / cm2	kg / cm2	kg / cm2	kg / cm2	kg / cm2
1/4	7.9	25	100	4.0	6.0	154	616	246	984
3/8	10	40	150	4.0	6.0	105	420	168	672
1/2	12	50	200	3.0	4.5	88	352	140	560
5/8	16.5	50	200	2.5	4.0	73	292	116	464
3/4	18.7	70	200	2.0	3.0	64	256	102	408
1	25	104	229	2.0	3.0	50	200	80.0	320
1 1/4	32	117	267	1.5	2.3	42	168	67	268
1 1/2	40	152	292	1.5	2.3	32	128	51	204
2	50	160	318	1.0	1.5	31	124	49	196
2 1/2	65	175	508	1.0	1.5	26	104	41	164
3	75	231	610	1.0	1.5	18	72	28	112
4	100	250	750	0.8	1.2	16	64	26	104
5	125	318	900	0.6	0.9	16 64 25	64	25	100
6	150	353	1050	0.6	0.9	12	48	20	80
8	200	456	1180	0.5	0.75	10	40	16	64
10	250	560	1220	0.5	0.75	8	32	10.5	42
12	300	600	1300	0.5	0.75	6.5	26	10	40

- Test Pressure 1.5 times in working pressure
- The above pressure ratings are for fluid and ambient temperature of 30 deg C
- The burst pressure in 4 times the maximum working pressure
- We also supply hoses with lesser bend radius/ higher pressure rating on request
- *The above information is subject to change without notice due to continuous development and research.

Testing

- All Hoses are pneumatically tested.
- Hydraulic tests are conducted on samples picked at random-grade wise, batch wise.
- Test certificates for the material and hose are furnished upon-request



For more details or product related enquires feel free mail us: info@italflexitaly.it