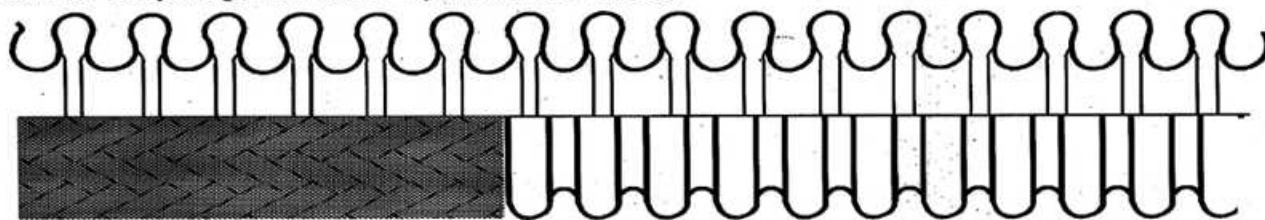


STAINLESS STEEL (S.S.) CORRUGATED HOSE

✱ TUYAUS DE CAOUTCHOUC ✱ Manga de Caucho

✱ MANHUEIRA ONDULADA DE AÇO ✱ Nichtrostenderstahl gewewter Schlauch ✱ S.S. CORRUGATED SLANGEN

(suitable for temp. range from 269°C liquid helium to +600°C)



Inner S.S. 1W

Single BRAID

INNER CORE

Application: Extremely suitable for fuel firing guns used in boiler houses in electricity boards, fertilizer plants, paper mills for steam & condensate use in chemical plants, thermal power plants, tyre plants, glass factories, aircraft engines, paint making, chemical plants, etc.

Nominal bore		SINGLE BRAID		DOUBLE BRAID		Bend Radii	
		Tubing with one braid (AISI 304/321 SS wire)		Tubing with two braids (AISI 304/321 SS wire)			
mm	inch	Minimum OD,mm	Working Pressure * bar	Minimum OD,mm	Working Pressure * bar	Constant Fix, mm	Permanent Bend, mm.
6	1/4	14	160	16	275	200	16
10	3/8	17	138	19	221	250	18
13	1/2	19	103	22	176	300	20
16	5/8	23		26		350	
19	3/4	29	62	31	110	400	30
25	1	35	52	37	90	450	40
32	1.1/4	44	42	46	69	500	50
38	1.1/2	54	38	56	52	550	60
51	2	66	34	69	48	620	70
64	2.1/2	83	31	86	41	700	80
76	3	100	27	103	38	850	100
102	4	123	17	126	20	1000	120
127	5	151	16	155	19	1200	150
152	6	179	10	183	15	1500	200
200	8	233	6	238	10	1800	200
250	10	288	5	293	8	2400	340
300	12	341	4	346	6	3000	420
350	14	381	3.5	395	5	3500	940



Tolerance in OD : 5% Extra High Pressure hoses available on request. More flexible hoses available on request.

1 Kg/cm² = 14.22 psi = 0.98 bar 1Mtr = 3.28ft = 39.37inch = 1000mm

✱ Each flexible piping - connector are hydraulically/pneumatically tested prior to despatch. ✱ Max. single lengths available are 15 Mtrs.

✱ Material Test Certificates are provided from Reputed Test Laboratory Approved by NTPC, E.I.L., I.S.I., IBR, DEFENCE, B.V., LLOYD'S & other Inspection Authorities, if required by the buyer.

✱ Working pressures stated in the table are for fluid temperatures upto 20°C. For hoses required to operate at temperatures above 20°C, reduced pressures apply than those stated against each size in the table. Thus, a correction factor must be multiplied by the stated working pressure to arrive at the right operating max. pressure the hose can convey fluid at given/desired temperature as depicted below :-

Temperature °C	Temperature °F	Correction Factor
20	68	1.00
50	122	0.97
100	212	0.93
150	302	0.88
200	392	0.84
250	482	0.79
300	572	0.76
350	662	0.71
400	752	0.67
450	842	0.64
500	932	0.61
550	1022	0.60
600	1112	0.58

Example A 2" bore S.S. hose is required to convey fluid at 400°C temp. at a working pressure of 10Kg/cm² (=9.8 BAR).

Now, from the table, a 2" I.D. S.S. hose with single braid can operate at max. working pressure of 34 bar = 34.7Kg/cm² at 20°C fluid temp.

For temp. at 400°C, applying correction factor of 0.67 to stated w.p. i.e. 34.7Kg/cm² gives max. working pressure = 23.25Kg/cm². (0.67 x 34.7 at 400°C)

This signifies that hose selected is very much suitable for the application. Had the working pressure requirement be above 23.25Kg/cm² a 2" I.D. S.S. hose with two braids would have been selected which could operate at max. w.p. of 32.16 bar (0.67 x 48 bar) = 32.81Kg/cm² at 400°C temp.




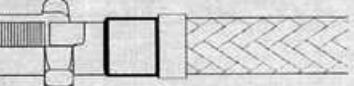

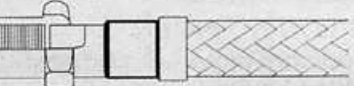

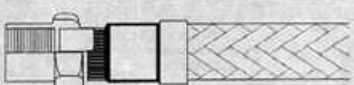







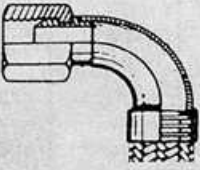

STANDARD FITTINGS

FOR

ANNULAR CORRUGATED S.S. HOSE & * TEFLON HOSE

The fittings (argon arc welded) are available in M.S., C.S., S.S., Brass, G.M., Rolled bronze. Flange connection with fixed & floating flanges meet to IS, DIN, ANSI * ASA standards or as per customer's specifications.



	welding end	hexagon union welding end	
- 001			- 010
	pipe nipple tapered male	hexagon union straight female	
- 002			- 011
	hexagon nipple tapered male	stainless steel hexagon union straight female	
- 003			- 012
	hexagon nipple straight male	hexagon union GF 304 type straight female	
- 004			- 013
	plain socket straight female	3000 lbs heavy duty type straight female	
- 005			- 014
	hexagon socket straight female	fixed flange	
- 006			- 015
	female swivel	floating flange	
- 007			- 016
	hexagon union straight female	Female union swept elbow 90°	
- 008			
	hexagon union straight male		
- 009			

BSP or NPT

standard, fitting seat = FLAT SEAT, or as per customer's specification, only if specified.
Non-standard fittings as per drawings are also undertaken for manufacture.