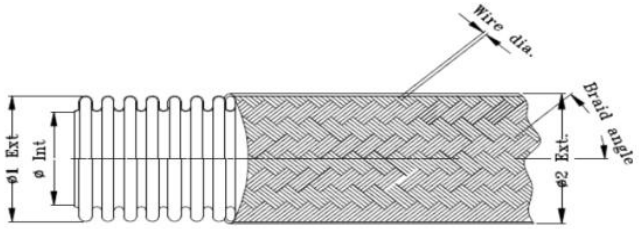
SUNFLEX®
QUALITY HOSES & COUPLINGS
www.sunflex.com.sg



ANNULAR CORRUGATED FLEXIBLE HOSE SS316L - A700 SERIES WITH SS304 BRAIDING

Part Number	Nominal Size Of Hose		Min. Bend Radius		SS304 Single Braid				SS304 Double Braid			
	Static	Flexing	Max. W.P.	T.P.	B.P	Weight	Max. W.P.	T.P.	B.P	Weight		
	Inch	mm	mm	mm	Bar	Bar	Bar	Kg/m	Bar	Bar	Bar	Kg/m
316-ANU-0025-A7	1/4"	6	26	127	150	225	600	0.254	240	360	960	0.378
316-ANU-0038-A7	3/8"	10	38	140	105	157.5	420	0.34	168	252	672	0.505
316-ANU-0050-A7	1/2"	12	51	152	92	138	368	0.51	147	220.5	588	0.74
316-ANU-0075-A7	3/4"	20	58	203	65	97.5	260	0.605	104	156	416	0.92
316-ANU-0100-A7	1"	25	70	229	50	75	200	1.062	80	120	320	1.442
316-ANU-0125-A7	1-1/4"	32	89	267	45	67.5	180	1.508	72	108	288	2.013
316-ANU-0150-A7	1-1/2"	40	102	305	38	57	152	1.720	61	91.2	243.2	2.370
316-ANU-0200-A7	2"	50	127	381	38	57	152	2.320	61	91.2	243.2	3.400
316-ANU-0250-A7	2-1/2"	65	203	508	28	42	112	2.700	45	67.2	179.2	3.880
316-ANU-0300-A7	3"	80	229	559	23	34.5	92	3.025	37	55.2	147.2	4.465
316-ANU-0400-A7	4"	100	260	620	20	30	80	4.804	32	48	128	7.104
316-ANU-0500-A7	5"	125	330	680	14	21	56	6.265	22	33.6	89.6	9.015
316-ANU-0600-A7	6"	150	460	790	14	21	56	8.278	22	33.6	89.6	12.308
316-ANU-0800-A7	8"	200	510	1020	17	25.5	68	13.460	27	40.8	108.8	19.400
316-ANU-1000-A7	10"	250	650	1300	16	24	64	19.820	26	38.4	102.4	30.200
316-ANU-1200-A7	12"	300	775	1550	12	18	48	25.820	19	28.8	76.8	37.300

**** The above pressure ratings are for fluid and ambient temperature of 20° C. (Working Temperature Range = -200 ° C to +400 ° C)**

Temperature Correction Factor

When hoses are required at higher temperature then working pressure of hose particular size we can calculate by the following table

Tempature degree C	-200	-150	-100	-50	0	20	50	100	150	200
Factor	1.0	1.0	1.0	1.0	1.0	1.0	0.92	0.83	0.75	0.69

Tempature degree C	250	300	350	400	450	500	550	600	650	700
Factor	0.65	0.61	0.58	0.56	0.54	0.53	0.52	0.34	0.19	0.10

For example 100mm NB Hose required working pressure 13 Bar at 200 degree celcius
Specified working pressure in the table 20 bar at ambient temperature.
Correction factor 0.69 in the table, then working pressure will be 0.69x20 = 13.8 bar