TECHNICAL DATA SHEETS
STAINLESS STEEL DOUBLE BRAIDED CORRUGATED HOSE

FOR HIGHER WORKING PRESSURE

DN (in inche)	Ø int.	Ø ext.	Max. pressure at 20° (in bar)		Bend radius (in mm)		Weight (kg/m)	Reel (in m)
			Working pressure	Burst pressure	Dyn.	Stat.		
1/2	12	19,1	128	512	140	45	0,38	153
3/4	20	29,8	102	410	170	70	1,04	25
1	25	35,2	80	320	190	85	1,14	20
1"1/4	32	44,3	64	256	260	105	1,4	20
1"1/2	40	52,7	56	224	300	130	1,78	20
2	50	64,3	48	192	320	160	2,6	69
2"1/2	65	85	38	154	410	180	3,36	20
3	80	99	29	115	450	200	3,9	61
4	100	121,5	26	102	560	290	5,1	46
5	125	155	22	90	710	325	7,193	10*
6	150	180	16	64	815	380	8,289	10*
8	200	231	13	51	1015	500	13,62	10*
10	250	285	12	48	1270	620	20,55	10*
12	300	343	9,5	38	1525	725	25,82	

apave | Certification ISO 9001-2015

TEMPERATURE CORRECTION COEFFICIENT

Temperature range		316L
	20	1
> 20	≤ 50	0.88
> 50	≤ 100	0.74
> 100	≤ 150	0.67
> 150	≤ 200	0.62
> 200	≤ 250	0.58
> 250	≤ 300	0.54
> 300	≤ 350	0.52
> 350	≤ 400	0.50
> 400	≤ 450	0.48
> 450	≤ 500	0.47
> 500	≤ 550	0.47

according to standard ISO10380:2012

What is the temperature adjustment factor?

The Temperature Adjustment Factor (TAF) allows you to determine the working pressure of your hose, taking into account the temperature of use. The working pressure of a corrugator will not be the same at standard room temperature (20°) as at a temperature of 300°.

> How do you calculate this working pressure with the adjustment factor?
Simply multiply the standard operating pressure indicated in the tables by the coefficient corresponding to your operating temperature range.

Example: Your DN 1» single-braid corrugator has a working pressure of 50 bar at 20°.
You want to use it at 280°. The coefficient is therefore 0.54.
The permissible operating pressure is therefore 50 x 0.54 = 27 bar