

Teflon braided hoses - smooth-walled
SMOOTHBORE - continued
SMOOTHBORE SWSB, HWSB, SWDB, HWDB:

index (PTFE natural)	index (AS version)	nominal diameter [inch]	internal diameter [mm]	PTFE wall thickness [mm]	external diameter [mm]	working pressure * [bar]	testing pressure** [bar]	burst pressure [bar]	bend radius [mm]	mass [kg/m]
SWSB - standard wall, single braid										
AF-SWSB-06	AF-SWSB-06AS	1/4"	6,35	0,63	8,50	240	360	720	60	0,093
AF-SWSB-08	AF-SWSB-08AS	5/16"	7,94	0,63	10,15	200	300	600	70	0,110
AF-SWSB-10	AF-SWSB-10AS	3/8"	9,53	0,63	11,75	190	285	570	80	0,124
AF-SWSB-13	AF-SWSB-13AS	1/2"	12,70	0,76	14,95	140	210	420	110	0,207
AF-SWSB-16	AF-SWSB-16AS	5/8"	15,88	0,76	18,35	110	165	330	150	0,255
AF-SWSB-19	AF-SWSB-19AS	3/4"	19,05	0,76	21,55	80	120	240	200	0,315
AF-SWSB-25	AF-SWSB-25AS	1"	25,40	1,00	28,15	55	82,5	165	300	0,430
HWSB - thick wall, single braid										
AF-HWSB-03	AF-HWSB-03AS	1/8"	3,17	1,00	6,10	290	435	870	20	0,068
AF-HWSB-05	AF-HWSB-05AS	3/16"	4,76	1,00	7,65	270	405	810	29	0,087
AF-HWSB-06	AF-HWSB-06AS	1/4"	6,35	1,00	9,25	260	390	780	30	0,113
AF-HWSB-08	AF-HWSB-08AS	5/16"	7,94	1,00	10,90	230	345	690	40	0,135
AF-HWSB-10	AF-HWSB-10AS	3/8"	9,53	1,00	12,50	200	300	600	55	0,153
AF-HWSB-13	AF-HWSB-13AS	1/2"	12,70	1,00	15,60	160	240	480	85	0,240
AF-HWSB-16	AF-HWSB-16AS	5/8"	15,88	1,30	19,10	130	195	390	110	0,292
AF-HWSB-19	AF-HWSB-19AS	3/4"	19,05	1,30	22,05	92	138	276	145	0,344
AF-HWSB-25	AF-HWSB-25AS	1"	25,40	1,50	28,80	69	103,5	207	260	0,470
SWDB - standard wall, double braided										
AF-SWDB-03	AF-SWDB-03AS	1/8"	3,17	0,76	6,85	360	540	1080	20	0,100
AF-SWDB-05	AF-SWDB-05AS	3/16"	4,76	0,76	8,70	330	495	990	30	0,135
AF-SWDB-06	AF-SWDB-06AS	1/4"	6,35	0,63	10,05	290	435	870	40	0,160
AF-SWDB-08	AF-SWDB-08AS	5/16"	7,94	0,63	11,55	250	375	750	50	0,190
AF-SWDB-10	AF-SWDB-10AS	3/8"	9,53	0,63	13,35	230	345	690	60	0,214
AF-SWDB-13	AF-SWDB-13AS	1/2"	12,70	0,76	16,40	180	270	540	90	0,341
AF-SWDB-16	AF-SWDB-16AS	5/8"	15,88	0,76	19,95	135	202,5	405	130	0,416
AF-SWDB-19	AF-SWDB-19AS	3/4"	19,05	0,76	23,10	100	150	300	170	0,503
AF-SWDB-25	AF-SWDB-25AS	1"	25,40	1,00	29,60	70	105	210	270	0,700
HWDB - thick wall, double braided										
AF-HWDB-03	AF-HWDB-03AS	1/8"	3,17	1,00	7,05	350	525	1050	18	0,108
AF-HWDB-05	AF-HWDB-05AS	3/16"	4,76	1,00	8,90	320	480	960	25	0,140
AF-HWDB-06	AF-HWDB-06AS	1/4"	6,35	1,00	10,75	310	465	930	26	0,183
AF-HWDB-08	AF-HWDB-08AS	5/16"	7,94	1,00	12,35	275	412,5	825	35	0,210
AF-HWDB-10	AF-HWDB-10AS	3/8"	9,53	1,00	14,10	240	360	720	50	0,243
AF-HWDB-13	AF-HWDB-13AS	1/2"	12,70	1,00	16,90	200	300	600	75	0,374
AF-HWDB-16	AF-HWDB-16AS	5/8"	15,88	1,30	20,75	155	232,5	465	100	0,452
AF-HWDB-19	AF-HWDB-19AS	3/4"	19,05	1,30	23,80	110	165	330	135	0,532
AF-HWDB-25	AF-HWDB-25AS	1"	25,40	1,50	30,70	84	126	252	250	0,730
AF-HWDB-32	AF-HWDB-32AS	1.1/4"	31,75	1,50	36,90	75	112,5	225	400	0,950
AF-HWDB-38	AF-HWDB-38AS	1.1/2"	38,10	1,50	43,75	65	97,5	195	800	1,170
AF-HWDB-51	AF-HWDB-51AS	2"	50,80	1,50	56,40	40	60	120	1200	1,610

Notes: indexes highlighted in colour - most commonly used, italics - less frequently used, by special order.

* - safety factor 3:1, if a factor of 4:1 is required (e.g. according to EN 16643), multiply the values by 0.75.

** - test pressure 1.5 x working pressure.

Temperature dependence of working pressure for SMOOTHBORE Teflon hose:

At operating temperatures above +130°C, the maximum working pressure given in the table should be reduced by 0.75% for every 1°C above this temperature. For example, at a temperature of 170°C, the maximum working pressure for hose AF-SWSB-06 is: 240 bar - (170°C-130°C) x 0.75 = 240 bar - 30% = **168 bar**.