

THERMOPLASTIC HOSES

From 70 bar to 250 bar – From 1015 psi to 3625 psi



Technical features of the hoses with textile reinforcement meeting or exceeding SAE 100R7 standard

	Ø				PRESSURE AT 23°C		PRESSURE		RADIUS				FERRULE CODE
	INTERNAL INCH.	INTERNAL MM.	EXTERNAL INCH.	EXTERNAL MM.	MIN. BURST BAR	MIN. BURST PSI	WORKING MAX. BAR	WORKING MAX. PSI	MIN. BEND MM.	MIN. BEND INCH.	WEIGHT G/M	WEIGHT LBS/FT	
	1/8"	3.5	0.335	8.5	920	13340	230	3335	25	0.98	57	0.038	BP18R7
	5/32"	4.0	0.35	8.9	1000	14500	250	3625	25	0.98	58	0.039	BP532R7
*	3/16"	4.8	0.394	10.0	840	12180	210	3045	30	1.18	73	0.049	BP316R7
*	1/4"	6.4	0.465	11.8	800	11600	200	2900	35	1.38	90	0.060	BP14R7
*	5/16"	8.0	0.563	14.3	760	11020	190	2755	45	1.77	128	0.086	BP516R7V
*	3/8"	9.7	0.63	16.0	700	10150	175	2537	55	2.17	155	0.104	BP38R7V
*	1/2"	13.0	0.799	20.3	560	8120	140	2030	75	2.95	219	0.147	BP12R7V
*	5/8"	16.0	0.925	23.5	420	6090	105	1522	120	4.72	277	0.186	BP58R7
*	3/4"	19.2	1.043	26.5	360	5220	90	1305	145	5.71	330	0.222	BP34R7
*	1"	25.6	1.28	32.5	280	4060	70	1015	200	7.87	403	0.271	BP1R7

TECHNICAL-CONSTRUCTIVE FEATURES

Internal core in thermoplastic polyester, reinforcement in polyester fiber, exterior covering in antiabrasion polyurethane stabilized to UV rays and resistant to micro-organisms; on request it is also available in micro perforated version for air and compatible gas.

APPLICATIONS

The hoses have been created for hydraulic use at medium pressure.

UTILIZATION TEMPERATURE

From -40°C to +100°C From -40°F to +212°F

Max. working temperature of air, water and fluids containing water:
+ 70°C. (+158°F)

WORKING PRESSURE

Safety ratio 1:4.

VACUUM RATING

-13.5 psi; 27.5 inch Hg

SPECIFICATIONS

These hoses meet or exceed standards SAE J517 sec. SAE 100R7 – EN 855 – ISO 3949.

* Approved hoses (TYPE APPROVAL) by Lloyd's Register.