

# 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		WEIGHT G/M	WEIGHT LBS/FT	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.			
	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.