

## General purpose self-crimping PUSH-ON hoses



### MULTI PUSH

**PUSH-ON rubber self-crimping general purpose hose, for injection mold cooling**

<b>Internal layer:</b>	black synthetic rubber
<b>Reinforcement:</b>	synthetic braid
<b>External layer:</b>	blue or red synthetic rubber
<b>Working temperature:</b>	up to +135°C (mineral oil), +80°C (water), +70°C (air)

Universal rubber hose designed for low-pressure applications: hydraulic oil, pneumatic and water systems. **Commonly used for injection mold cooling.** Inner layer of the synthetic rubber resistant to high temperature (mineral oil), external layer resistant to weather conditions, abrasion and oil. Not recommended for flame-retardant hydraulic fluids based on phosphate esters. Safety factor 3:1. The hose is designed to work with self-crimping PUSH-ON type fittings.

index (blue*)	I.D.		O.D. [mm]	wall thickness [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
	[inch]	[mm]							
BAL-MULTIPUSH-06BL	1/4"	6.3	12.5	3.1	24	72	64	0.14	100
BAL-MULTIPUSH-08BL	5/16"	8.0	14.3	3.15	24	72	76	0.16	100
BAL-MULTIPUSH-10BL	3/8"	9.5	15.7	3.1	24	72	76	0.20	100
BAL-MULTIPUSH-13BL	1/2"	12.7	19.6	3.45	21	63	102	0.24	100
BAL-MULTIPUSH-16BL	5/8"	16.0	22.8	3.4	21	63	127	0.32	100
BAL-MULTIPUSH-19BL	3/4"	19.0	26.0	3.5	21	63	152	0.38	100
BAL-MULTIPUSH-25BL	1"	25.4	32.6	3.6	14	42	203	0.52	100

\* - red - BL index fitting should be replaced with R, e.g. BAL-MULTIPUSH-06R.



PUSH-ON hoses: on the left - MULTIPUSH 1/2" and 3/8" rubber hoses with fittings, on the right TO 106 PUSH-ON 3/4" plastic (polyurethane) hose with a brass fitting. Installation of PUSH-ON fittings to the plastic hose requires a mounting tool.



### TO 106 PUSH-ON / TO 107 PUSH-ON

**General purpose self-crimping PUSH-ON hose**

<b>Internal layer:</b>	polyurethane
<b>Reinforcement:</b>	synthetic braid
<b>External layer:</b>	polyurethane (black - STANDARD) (orange - NON CONDUCTIVE)
<b>Working temp.:</b>	from -40°C to +80°C

Very lightweight and flexible thermoplastic polyurethane hose designed for low-pressure hydraulic, pneumatic and water systems. Used in industrial automation and automotive applications. Free of LABS (linear alkylbenzene sulfonates), so it does not react with paints. Safety factor 4:1. It offers some resistance to the vacuum. The hose is designed to work with self-crimping PUSH-ON type fittings.

NON CONDUCTIVE version (TO-107...) not electrically conductive (leakage under test conditions according to the standard less than 50 µA for 246 kV/m for 5 min), used with electrical equipment, such as cooling systems.

index (STANDARD)	index (NON CONDUCTIVE)	I.D.		O.D. [mm]	wall thickness [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]
		[inch]	[mm]						
TO-1062-06	TO-1072-06	1/4"	6.3	11.2	2.45	20	80	30	0.070
TO-1064-10	TO-1074-10	3/8"	9.5	15.0	2.75	20	80	50	0.110
TO-1065-13	TO-1075-13	1/2"	12.7	19.1	3.2	20	80	70	0.167
TO-1066-16	TO-1076-16	5/8"	16.2	23.1	3.45	20	80	90	0.221
TO-1067-19	TO-1077-19	3/4"	19.0	26.0	3.5	20	80	110	0.259