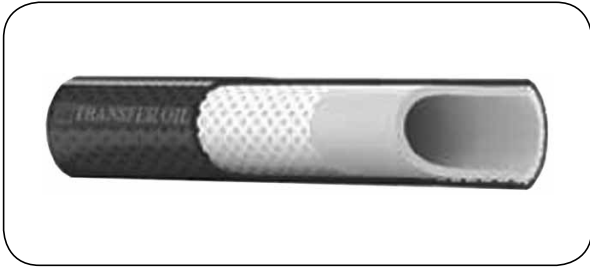


INDUSTRIAL HOSES - general purpose

PUSH ON hoses

PUSH ON self-crimping hoses are designed for assembly with special PUSH ON fitting without bands or clamps. The fittings are just pushed into the hose. Due to the special construction of a hose braid, the hose crimps even more on the fitting as the pressure rises.



PUSH-ON

Internal layer: Polyurethane
Reinforcement: Synthetic braid
External layer: Black polyurethane (STANDARD)
 Orange polyurethane (NON CONDUCTIVE)
Working temp.: From -40°C up to +80°C

Lightweight, flexible, thermoplastic hose intended for low pressure pneumatic and hydraulic applications. Widely used in automotive industry. It is free from linear alkyl benzene sulfonate (LABS), so it does not react with paints. A NON CONDUCTIVE version does not conduct electric charges - leakage current in test conditions according to the standard less than 50 µA at 246 kV/m for 5 min. Hose designed to be assembled with self-crimping fittings, PUSH-ON type.

code (STANDARD)	code (NON CONDUCTIVE)	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/100m]
TO-1062-06	TO-1072-06	6.3	11.2	20	80	30	7.50
TO-1064-10	TO-1074-10	9.5	15.0	20	80	50	11.50
TO-1065-13	TO-1075-13	12.7	19.1	20	80	70	17.00
TO-1066-16	TO-1076-16	16.0	23.0	20	80	90	22.00
TO-1067-19	TO-1077-19	19.0	26.0	20	80	110	24.50



INSTA-GRIP™ 300

Internal layer: Black synthetic Chemivic™ rubber (NBR + vinyl)
Reinforcement: Synthetic braid
External layer: Black synthetic rubber
Working temp.: From -40°C up to +90°C

General purpose delivery hose designed for pneumatic and hydraulic applications. Widely used in automotive industry (no silicone used during hose production. External layer has excellent abrasion, weather condition and oil resistance. External layer flame resistance meets MSHA 2G-14C/14 standards. Nonconductive (R > 1 MΩ/m at 1000 V DC). Safety factor 4:1. For use with push-on fittings.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
GY-INSTAGRIP300-06	6.4	13.7	20	65	0.13	152.5
GY-INSTAGRIP300-08	7.9	15.7	20	75	0.18	152.5
GY-INSTAGRIP300-10	9.5	17.5	20	75	0.21	152.5
GY-INSTAGRIP300-13	12.7	20.6	20	130	0.25	152.5
GY-INSTAGRIP300-16	15.9	23.6	20	150	0.30	152.5
GY-INSTAGRIP300-19	19.1	27.2	20	180	0.39	152.5

INDUSTRIAL HOSES - general purpose

PUSH-ON fittings

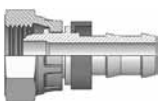


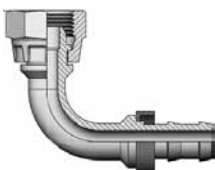
The application of PUSH ON fittings is restricted to hoses designed exclusively for these fittings (PUSH ON hose type). The fitting connects with the hose without clamps or safety clamps. Special corrugations of the fitting are adjusted to the material, sizes of PUSH ON hoses and the construction of their braid, which allows tight grip of the hose on the fitting corrugations.


Push-on assembly:

- cut a hose end square;
- fix a fitting in a vice;
- lubricate the „tail” of the fitting;
- push the fitting into the hose until it seats well against a plastic stopper.

Working temperature: from -40°C up to +80°C. Working pressure according to PUSH ON hose working parameters. PUSH ON fittings must not be used with other hoses or crimped with clamps or safety clamps as the hose may get damaged.


picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
BSP female thread, 60° cone seal 	TI-YBW110-04-04	TI-YBW110-04-04-MO	TI-YBW110-04-04-SS	1/4	1/4
	TI-YBW110-06-06	TI-YBW110-06-06-MO	TI-YBW110-06-06-SS	3/8	3/8
	TI-YBW110-08-08	TI-YBW110-08-08-MO	TI-YBW110-08-08-SS	1/2	1/2
	TI-YBW110-10-10	TI-YBW110-10-10-MO	TI-YBW110-10-10-SS	5/8	5/8
	TI-YBW110-12-10	TI-YBW110-12-10-MO	TI-YBW110-12-10-SS	3/4	5/8
	TI-YBW110-12-12	TI-YBW110-12-12-MO	TI-YBW110-12-12-SS	3/4	3/4

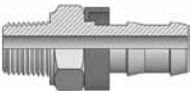
picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
BSP female thread, 60° cone seal 	TI-YBW210-04-04	-	TI-YBW210-04-04-SS	1/4	1/4
	TI-YBW210-06-06	-	TI-YBW210-06-06-SS	3/8	3/8
	TI-YBW210-08-08	-	TI-YBW210-08-08-SS	1/2	1/2
	TI-YBW210-12-10	-	TI-YBW210-12-10-SS	3/4	5/8
	TI-YBW210-12-12	-	TI-YBW210-12-12-SS	3/4	3/4

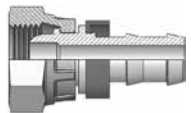
picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
BSP female thread, 60° cone seal 	TI-YBW310-04-04	-	TI-YBW310-04-04-SS	1/4	1/4
	TI-YBW310-06-06	-	TI-YBW310-06-06-SS	3/8	3/8
	TI-YBW310-08-08	-	TI-YBW310-08-08-SS	1/2	1/2
	TI-YBW310-12-12	-	TI-YBW310-12-12-SS	3/4	3/4

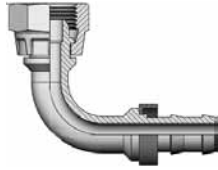
INDUSTRIAL HOSES - general purpose

PUSH-ON fittings

picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>BSP male thread, 60° cone seal</p> 	TI-YBZ110-04-04	TI-YBZ110-04-04-MO	TI-YBZ110-04-04-SS	1/4	1/4
	TI-YBZ110-06-06	TI-YBZ110-06-06-MO	TI-YBZ110-06-06-SS	3/8	3/8
	TI-YBZ110-08-08	TI-YBZ110-08-08-MO	TI-YBZ110-08-08-SS	1/2	1/2
	TI-YBZ110-10-10	TI-YBZ110-10-10-MO	TI-YBZ110-10-10-SS	5/8	5/8
	TI-YBZ110-12-12	TI-YBZ110-12-12-MO	TI-YBZ110-12-12-SS	3/4	3/4

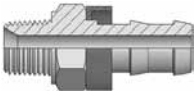
picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>BSPT male thread</p> 	TI-YBZ130-04-04	TI-YBZ130-04-04-MO	TI-YBZ130-04-04-SS	1/4	1/4
	TI-YBZ130-06-06	TI-YBZ130-06-06-MO	TI-YBZ130-06-06-SS	3/4	3/8
	TI-YBZ130-08-08	TI-YBZ130-08-08-MO	TI-YBZ130-08-08-SS	1/2	1/2
	TI-YBZ130-10-10	TI-YBZ130-10-10-MO	TI-YBZ130-10-10-SS	5/8	5/8
	TI-YBZ130-12-12	TI-YBZ130-12-12-MO	TI-YBZ130-12-12-SS	3/4	3/4

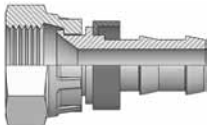
picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>Metric female thread, 24°/60 cone seal</p> 	TI-YMW111-14-04	TI-YMW111-14-04-MO	TI-YMW111-14-04-SS	M14x1.5	1/4
	TI-YMW111-16-06	TI-YMW111-16-06-MO	TI-YMW111-16-06-SS	M16x1.5	3/8
	TI-YMW111-18-06	TI-YMW111-18-06-MO	TI-YMW111-18-06-SS	M18x1.5	3/8
	TI-YMW111-22-08	TI-YMW111-22-08-MO	TI-YMW111-22-08-SS	M22x1.5	1/2
	TI-YMW111-26-10	TI-YMW111-26-10-MO	TI-YMW111-26-10-SS	M26x1.5	5/8
	TI-YMW111-30-12	TI-YMW111-30-12-MO	TI-YMW111-30-12-SS	M30x2	3/4

picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>Metric female thread, 24°/60 cone seal</p> 	TI-YMW211-14-04	-	TI-YMW211-14-04-SS	M14x1.5	1/4
	TI-YMW211-16-06	-	TI-YMW211-16-06-SS	M16x1.5	3/8
	TI-YMW211-18-06	-	TI-YMW211-18-06-SS	M18x1.5	3/8
	TI-YMW211-22-08	-	TI-YMW211-22-08-SS	M22x1.5	1/2
	TI-YMW211-26-10	-	TI-YMW211-26-10-SS	M26x1.5	5/8
	TI-YMW211-30-12	-	TI-YMW211-30-12-SS	M30x2	3/4

INDUSTRIAL HOSES - general purpose

PUSH-ON fittings

picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>NPT male thread, 60° cone seal</p> 	TI-YNZ110-04-04	TI-YNZ110-04-04-MO	TI-YNZ110-04-04-SS	1/4	1/4
	TI-YNZ110-06-06	TI-YNZ110-06-06-MO	TI-YNZ110-06-06-SS	3/8	3/8
	TI-YNZ110-08-08	TI-YNZ110-08-08-MO	TI-YNZ110-08-08-SS	1/2	1/2
	TI-YNZ110-12-12	TI-YNZ110-12-12-MO	TI-YNZ110-12-12-SS	3/4	3/4

picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>UNF female thread, JIC 74° cone seal</p> 	TI-YJW110-07-04	TI-YJW110-07-04-MO	TI-YJW110-07-04-SS	7/16-20	1/4
	TI-YJW110-09-06	TI-YJW110-09-06-MO	TI-YJW110-09-06-SS	9/16-18	3/8
	TI-YJW110-12-08	TI-YJW110-12-08-MO	TI-YJW110-12-08-SS	3/4-16	1/2
	TI-YJW110-14-08	TI-YJW110-14-08-MO	TI-YJW110-14-08-SS	7/8-14	1/2
	TI-YJW110-14-10	TI-YJW110-14-10-MO	TI-YJW110-14-10-SS	7/8-14	5/8
	TI-YJW110-17-12	TI-YJW110-17-12-MO	TI-YJW110-17-12-SS	1.1/16-16	3/4