

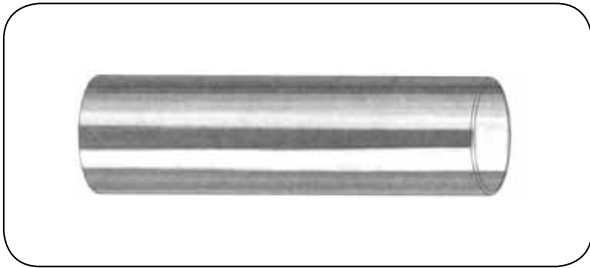
# INDUSTRIAL HOSES - general purpose

## Characteristics

General purpose hoses as the name suggests are widely used for: air, water, non-aggressive chemicals, oil and fuel. Some of them are also used for food products. Made of such materials as: PVC, PU, rubber with a spiral, braid reinforcement (for pressure resistance). If PVC hose is chosen for a particular application the drop of pressure in higher temperatures must be taken into consideration!

Fittings for general purpose hoses (see chapter "INDUSTRIAL FITTINGS - fittings, connectors", connectors) must be assembled with the use of ferrules (crimped with the use of crimping machines) clamps and worm drive hose clamps.

For different applications of hoses, see other chapters of "INDUSTRIAL HOSES".

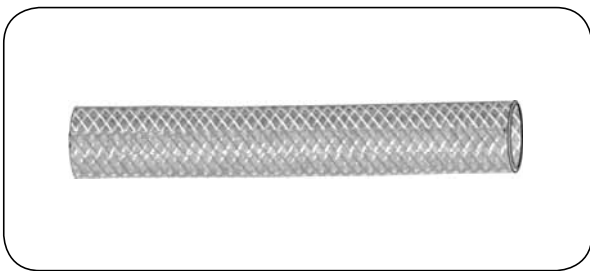


### CPU

**Material:** Soft, transparent polyurethane  
**Working temp.:** From -30°C up to +70°C  
 (with peaks up to +100°C)

General purpose, highly flexible hose used for water, air, oils, greases, petroleum products, chemicals, granulates and food substances (according to FDA 21 CFR 175.105 requirements). Designed for no pressure or low pressure applications as well as used for protection.

code	I.D. [mm]	O.D. [mm]	bending radius [mm]	standard length [m]
CX-CPU-03	3	6	36	30
CX-CPU-05	5	8	48	30
CX-CPU-06	6	9	63	30
CX-CPU-08	8	11	66	30
CX-CPU-10	10	16	96	30
CX-CPU-13	13	19	114	30



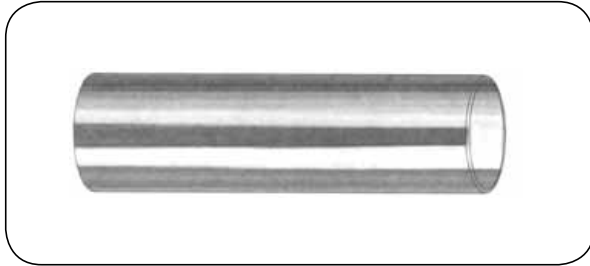
### RPU

**Internal layer:** Transparent polyurethane  
**Reinforcement:** Polyester-nylon braid  
**External layer:** Transparent polyurethane  
**Working temp.:** From -30°C up to +70°C  
 (with peaks up to +100°C)

General purpose, highly flexible hose used for water, air, oils, greases, petroleum products, chemicals, granulates and food products (according to FDA 21 CFR 175.105 requirements).

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	weight [kg/m]	standard length [m]
CX-RPU-06	6.3	11.5	19	60	0.10	30
CX-RPU-10	10	16	16	53	0.14	30
CX-RPU-13	12.5	18.5	14	35	0.18	30
CX-RPU-16	16	23	11	38	0.24	30
CX-RPU-19	19	26	9	35	0.28	30
CX-RPU-25	25	33	7	28	0.41	30

## INDUSTRIAL HOSES - general purpose

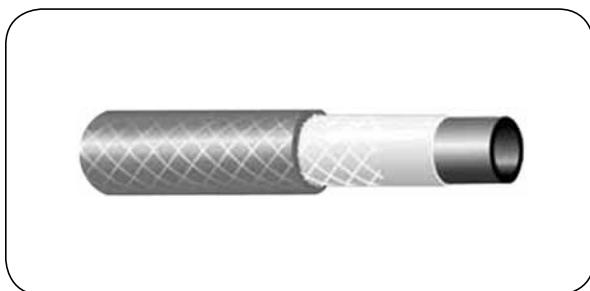


### CRISTALLO EXTRA

**Material:** Transparent PVC  
**Working temp.:** From -20°C up to +60°C

General purpose, flexible hose without reinforcement, designed to transfer water, beer, wine, alcohol up to 28%, fruit juices, beverages and slightly aggressive chemicals. Not recommended for foodstuffs containing fat, oil nor for dairy products. Meets the requirements of the EU Regulations 1935/2004 and 10/2011 (simulants A, B and C) and KTW "C" for potable water. Also used as a protective cover for pipes, hose assemblies, etc.

code	I.D. [mm]	O.D. [mm]	bending radius [mm]	standard length [m]
FT-CRISTALLO-EX-03X05	3	5	15	100
FT-CRISTALLO-EX-04X06	4	6	19	100
FT-CRISTALLO-EX-05X07	5	7	23	100
FT-CRISTALLO-EX-06X08	6	8	27	100
FT-CRISTALLO-EX-07X10	7	10	49	100
FT-CRISTALLO-EX-08X10	8	10	35	100
FT-CRISTALLO-EX-09X13	9	13	84	100
FT-CRISTALLO-EX-10X13	10	13	66	50
FT-CRISTALLO-EX-12X16	12	16	107	50
FT-CRISTALLO-EX-13X17	13	17	112	50
FT-CRISTALLO-EX-14X18	14	18	123	50
FT-CRISTALLO-EX-15X19	15	19	130	50
FT-CRISTALLO-EX-16X20	16	20	138	50
FT-CRISTALLO-EX-18X23	18	23	196	50
FT-CRISTALLO-EX-19X24	19	24	206	50
FT-CRISTALLO-EX-20X25	20	25	212	50
FT-CRISTALLO-EX-25X31	25	31	318	50
FT-CRISTALLO-EX-30X38	30	38	514	25



### RP

**Internal layer:** Transparent PVC  
**Reinforcement:** Polyester braid  
**External layer:** Blue or red PVC  
**Working temp.:** From -20°C up to +55°C

General purpose, flexible, delivery hose. Widely used for water, compressed air, semi-aggressive chemicals, fluid and semi-fluid food substances. Safety factor 3:1.

code (red)	code (blue)	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	bursting press. 20°C [bar]	weight [kg/m]	standard length [m]
CX-RP-06R	CX-RP-06BL	6.3	11.5	20	61	0.09	30
CX-RP-08R	CX-RP-08BL	8	13.5	19	59	0.12	30
CX-RP-10R	CX-RP-10BL	10	16	16	48	0.15	30
CX-RP-13R	CX-RP-13BL	12.5	18.5	15	45	0.18	30
CX-RP-19R	CX-RP-19BL	19	26	13	39	0.31	30

## INDUSTRIAL HOSES - general purpose



### RAGNO CR

**Internal layer:** Transparent PVC  
**Reinforcement:** Polyester braid  
**External layer:** Transparent PVC  
**Working temp.:** From -5°C up to +60°C

General purpose, flexible, delivery hose. It is widely used for compressed air, slightly aggressive chemicals, fluid and semi-fluid food substances such as water, beer, wine, juices, beverages, alcohols up to 28% concentration. Not recommended for food substances containing oil and fat as well as dairy products. In compliance with European Directive 1935/2004 CE, UE 10/2011 (stimulant A, B and C). Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	working pressure 40°C [bar]	working pressure 60°C [bar]	standard length [m]
ME-RAGNO-CR-04	4	10	20	16	12	100
ME-RAGNO-CR-05	5	11	20	16	12	100
ME-RAGNO-CR-06	6	11	20	16	12	100
ME-RAGNO-CR-08	8	13	18	13	9	100
ME-RAGNO-CR-10	10	15	18	13	9	100
ME-RAGNO-CR-12	12	18	12	9	6	50
ME-RAGNO-CR-13	13	19	12	9	6	50
ME-RAGNO-CR-16	16	22	10	7	4	50
ME-RAGNO-CR-19	19	25	10	7	4	50
ME-RAGNO-CR-25	25	32	8	5	3	50
ME-RAGNO-CR-32	32	42	8	4	2	50
ME-RAGNO-CR-38	38	48	8	4	2	50
ME-RAGNO-CR-50	50	62	8	4	2	25



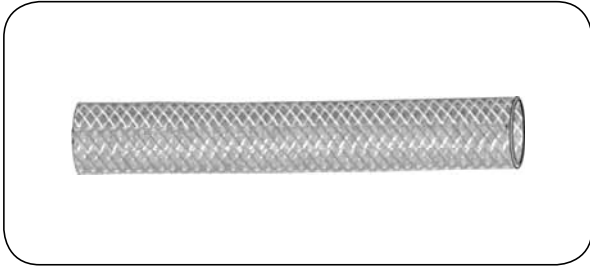
### NOBELAIR PU

**Internal layer:** Transparent PU  
**Reinforcement:** Polyester braid  
**External layer:** Transparent PU  
**Working temp.:** From -40°C up to +80°C

Very lightweight hose with small bending radius. Resistant to kinking. External layer resistant to ozone, oils and fats, slightly aggressive chemicals. Used for pneumatic tools, spray guns, for painting, sand blasting, etc. Suitable for hose reels.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-NOBELAIR-PU-06	6	10	20	50	0.056	50
TR-NOBELAIR-PU-08	8	12	20	70	0.070	50
TR-NOBELAIR-PU-10	10	14.5	20	80	0.096	50

## INDUSTRIAL HOSES - general purpose



### WTZ

**Internal layer:** Transparent PVC  
**Reinforcement:** Polyester braid  
**External layer:** Transparent PVC  
**Working temp.:** From -5°C up to +50°C

General purpose, flexible hose. Widely used for household applications, in agriculture, gardening, and industry.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	standard length [m]
PR-WTZ-08	8	12.5	15	60	60
PR-WTZ-10	10	14.5	10	40	60
PR-WTZ-12	12.5	17	12	48	60



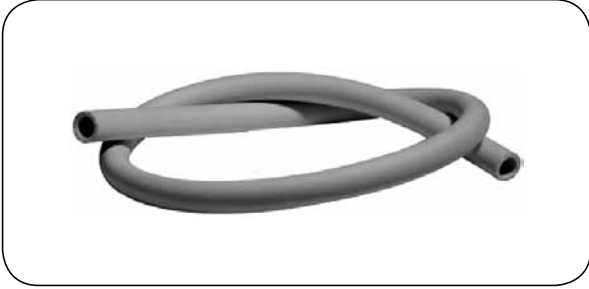
### WTZ / P

**Internal layer:** Transparent PVC  
**Reinforcement:** Polyester braid  
**External layer:** Transparent PVC  
**Working temp.:** From -5°C up to +50°C

General purpose, flexible hose. Widely used for household applications, in agriculture, gardening, and industry. Available as a complete hose assembly (DN10) with the length of 10 or 15 meters with pneumatic plug (DN 7.2) on one end and pneumatic socket (DN 7.2) on the other end.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	standard length [m]
PR-WTZ/P-10-10	10	14.5	10	40	10
PR-WTZ/P-10-15	10	14.5	10	40	15

## INDUSTRIAL HOSES - general purpose



### SOFT PLUS

**Internal layer:** Black PVC  
**Reinforcement:** Polyester braid  
**External layer:** Yellow (Y) or blue (BL) PVC  
**Working temp.:** From -25°C up to +60°C

Lightweight, ultra-flexible hose with excellent kink-resistance and no shape memory. Designed for air, water, slightly aggressive chemicals. Remains flexible in low temperatures. External layer is abrasion-resistant. Resistant to UV radiation and weather conditions. Hose material is free from cadmium and silicone, meets the requirements of RoHS. Standard length 20m

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
SH-SOFTPLUS-06Y	6.3	11.8	20	60	15	0.093	100
SH-SOFTPLUS-08BL	8	12.5	20	60	25	0.086	100
SH-SOFTPLUS-09Y	9.5	15.1	20	60	30	0.129	100
SH-SOFTPLUS-10BL	10	15	20	60	35	0.117	100
SH-SOFTPLUS-12Y	12.7	18.5	20	60	35	0.170	100



### SOFT PLUS / P

**Internal layer:** Black PVC  
**Reinforcement:** Polyester braid  
**External layer:** Yellow (Y) or blue (BL) PVC  
**Working temp.:** From -20°C up to +60°C

Pneumatic extension hose - complete hose assembly for air, produced from SOFT PLUS hose. Fitted with a brass socket and Eurostandard DN 7.2 plug. Perfect solution for connecting pneumatic tools, dampens vibration.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	length [m]
SH-SOFTPLUS-P-06-10Y	6.3	11.8	20	60	10
SH-SOFTPLUS-P-08-10BL	8	12.5	20	60	10
SH-SOFTPLUS-P-09-10Y	9.5	15.1	20	60	10
SH-SOFTPLUS-P-10-10BL	10	15	20	60	10
SH-SOFTPLUS-P-12-10Y	12.7	18.5	20	60	10
SH-SOFTPLUS-P-06-15Y	6.3	11.8	20	60	15
SH-SOFTPLUS-P-08-15BL	8	12.5	20	60	15
SH-SOFTPLUS-P-09-15Y	9.5	15.1	20	60	15
SH-SOFTPLUS-P-10-15BL	10	15	20	60	15
SH-SOFTPLUS-P-12-15Y	12.7	18.5	20	60	15

## INDUSTRIAL HOSES - general purpose

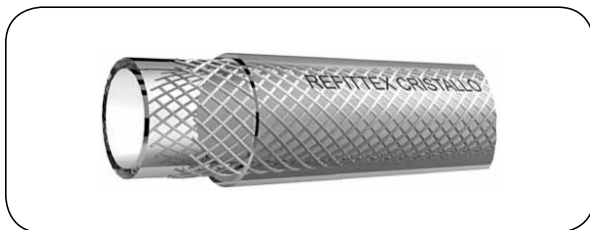


### RAGNO PU

**Internal layer 1:** Abrasive resistant polyurethane  
**Internal layer 2:** PVC + rubber compound  
**Reinforcement:** Polyester braid  
**External layer:** PVC + rubber compound  
**Working temp.:** From -15°C up to +60°C

Very lightweight hose with a small bending radius, resistant to kinking. External layer resistant to ozone, fats, oils and slightly aggressive chemicals. Widely used for pneumatic tools, spray guns, painting guns, sandblasting, etc. Suitable for hose reel application. Compliant with European requirements for foodstuffs 1935/2004 EC and EU 10/2011 (simulant A, B and C).

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	standard length [m]
ME-RAGNO-PU-06	6	10	20	60	100
ME-RAGNO-PU-08	8	12	20	60	60
ME-RAGNO-PU-10	10	15	20	60	50
ME-RAGNO-PU-13	13	19	20	60	30
ME-RAGNO-PU-16	16	22.5	20	60	25



### REFITTEX CR

**Internal layer:** Transparent PVC  
**Reinforcement:** Polyester braid  
**External layer:** Transparent PVC  
**Working temp.:** From -20°C up to +60°C

Flexible hose for general-purpose application. Used for the transfer of air, water, slightly aggressive chemicals, liquid and semi-liquid foodstuffs such as water, beer, wine, alcohol up to 28%, fruit juices, beverages etc. Not suitable for some foodstuffs containing oil and fat. Not suitable for dairy products. Meets the requirements of the EU Regulations 1935/2004 and 10/2011 (simulants A, B, C and D2) and KTW" C" for potable water. Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	weight [kg/m]	standard length [m]
FT-REFITTEX-CR-04X10	4	10	30	0.08	100
FT-REFITTEX-CR-05X11	5	11	26	0.09	100
FT-REFITTEX-CR-06X12	6	12	20	0.10	100
FT-REFITTEX-CR-08X14	8	14	20	0.13	100
FT-REFITTEX-CR-09X15	9	15	20	0.14	50
FT-REFITTEX-CR-10X16	10	16	20	0.15	50
FT-REFITTEX-CR-12X18	12	18	12	0.17	50
FT-REFITTEX-CR-13X19	13	19	12	0.18	50
FT-REFITTEX-CR-15X21	15	21	12	0.21	50
FT-REFITTEX-CR-16X22	16	22	10	0.22	50
FT-REFITTEX-CR-19X26	19	26	10	0.30	50
FT-REFITTEX-CR-25X33	25	33	8	0.44	50
FT-REFITTEX-CR-30X38	30	38	7	0.51	50
FT-REFITTEX-CR-32X42	32	42	7	0.70	25
FT-REFITTEX-CR-38X48	38	48	6	0.80	25
FT-REFITTEX-CR-40X50	40	50	6	0.85	25
FT-REFITTEX-CR-50X64	50	64	5	1.50	25

## INDUSTRIAL HOSES - general purpose



### REFITTEX 20, 40, 80 BAR

**Internal layer:** Black, soft PVC  
**Reinforcement:** Textile braid (double for 80 bar)  
**External layer:** Black, soft PVC  
**Working temp.:** From -10°C up to +50°C

Lightweight, very flexible hose designed for compressed air transfer, water and slightly aggressive chemicals. Widely used in compressors and for misting, watering or spraying in agriculture. The external layer is resistant to abrasion and weather conditions.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
<b>REFITTEX 20 BAR</b>						
FT-REFITTEX20-06	6	11	20	60	0.087	50
FT-REFITTEX20-08	8	13	20	60	0.104	25, 50, 100
FT-REFITTEX20-10	10	15	20	60	0.125	25, 50, 100
FT-REFITTEX20-13	13	19	20	60	0.190	25, 50, 100
FT-REFITTEX20-16	16	23	20	60	0.270	50
FT-REFITTEX20-19	19	26	20	60	0.312	50
FT-REFITTEX20-25	25	33	20	60	0.460	50
<b>REFITTEX 40 BAR</b>						
FT-REFITTEX40-06	6	12	40	120	0.107	100
FT-REFITTEX40-08	8	14	40	120	0.132	50, 100
FT-REFITTEX40-10X16	10	16	40	120	0.156	50, 100
FT-REFITTEX40-10X17	10	17	40	120	0.188	50
FT-REFITTEX40-13	13	21	40	120	0.270	50, 100
FT-REFITTEX40-16	16	24	40	120	0.313	50
FT-REFITTEX40-19	19	28	40	120	0.410	50
FT-REFITTEX40-25	25	35	40	120	0.610	25
<b>REFITTEX 80 BAR</b>						
FT-REFITTEX80-08	8	15	80	240	0.160	50, 100
FT-REFITTEX80-10	10	18	80	240	0.222	50, 100
FT-REFITTEX80-13	13	23	80	240	0.357	50, 100
FT-REFITTEX80-16	16	26	80	240	0.415	50
FT-REFITTEX80-19	19	30	80	240	0.532	50

## INDUSTRIAL HOSES - general purpose



### METFLEX PVC

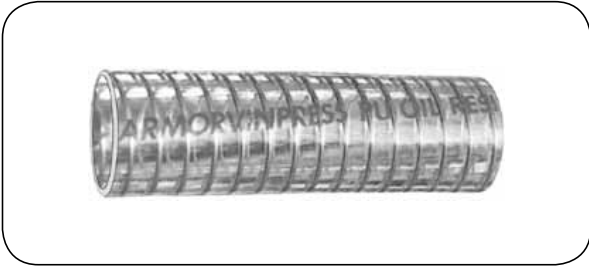
**Material:** Transparent PVC  
**Reinforcement:** Steel wire helix  
**Working temp.:** From -15°C up to +65°C

Very flexible, suction-delivery hose developed to transfer air, water, beer, wine, alcohols up to 28% concentration, juices, beverages and slightly aggressive chemicals. Not recommended for food substances containing oil and fat as well as dairy products. Smooth internal and external layer. In compliance with European Directive UE 1935/2004 and 10/2011 (stimulant A, B and C).

code	I.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
FT-MFLEX-PVC-010	10	2.6	8	0.9	20	0.16	30
FT-MFLEX-PVC-012	12	2.8	8	0.9	25	0.18	30
FT-MFLEX-PVC-013	13	3.1	8	0.9	28	0.19	30
FT-MFLEX-PVC-014	14	3	8	0.9	30	0.20	30
FT-MFLEX-PVC-016	16	3.2	8	0.9	35	0.23	30
FT-MFLEX-PVC-018	18	3.5	7	0.9	40	0.28	30
FT-MFLEX-PVC-019	19	3.4	7	0.9	45	0.31	30
FT-MFLEX-PVC-020	20	3.6	7	0.9	50	0.34	30
FT-MFLEX-PVC-025	25	4	6	0.9	60	0.51	30
FT-MFLEX-PVC-030	30	4	5	0.9	70	0.60	30
FT-MFLEX-PVC-032	32	4.1	5	0.9	75	0.65	30
FT-MFLEX-PVC-035	35	4.2	5	0.9	80	0.73	30
FT-MFLEX-PVC-038	38	4.4	4	0.9	90	0.80	30
FT-MFLEX-PVC-040	40	4.5	5	0.9	95	0.87	30
FT-MFLEX-PVC-045	45	5	5	0.8	105	1.10	30
FT-MFLEX-PVC-050	50	5.2	5	0.8	125	1.20	30
FT-MFLEX-PVC-060	60	6	4	0.7	135	1.80	30
FT-MFLEX-PVC-063	63	6	4	0.7	150	1.95	30
FT-MFLEX-PVC-070	70	6	4	0.7	180	2.20	30
FT-MFLEX-PVC-076	76	6	4	0.7	195	2.50	30
FT-MFLEX-PVC-080	80	6.2	3	0.7	220	2.70	30
FT-MFLEX-PVC-090	90	7	3	0.6	260	3.00	30
FT-MFLEX-PVC-102	102	7.5	3	0.6	335	3.40	30
FT-MFLEX-PVC-110	110	7.5	2	0.6	335	3.67	30
FT-MFLEX-PVC-120	120	8	2	0.6	363	4.40	30
FT-MFLEX-PVC-127	127	8	2	0.6	385	4.70	30
FT-MFLEX-PVC-152	152	8.4	1	0.6	460	6.35	30



## INDUSTRIAL HOSES - general purpose



### ARMORVIN PRESS PU

**Internal layer:** Transparent polyurethane  
**Reinforcement:** Steel wire helix  
**External layer:** Transparent polyurethane  
**Working temp.:** From -20°C up to +90°C

Lightweight, very flexible suction and delivery hose used for pneumatic and hydraulic applications as well as to transfer chemicals and semi-fluid food substances (in compliance with FDA 21 CFR 177.2600 stimulant E and F). Resistant to oils and hydrocarbons.

code	I.D. [mm]	wall thickness [mm]	working pressure 20°C [bar]	bursting pressure [bar]		vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
				20°C	70°C				
ME-ARMPREPU-05	5	2.5	20	130	28	0.9	20	0.08	60
ME-ARMPREPU-06	6	2.5	20	125	26	0.9	23	0.10	60
ME-ARMPREPU-08	8	2.7	18	110	24	0.9	32	0.14	60
ME-ARMPREPU-09	9.5	3	18	105	23	0.9	38	0.17	60
ME-ARMPREPU-10	10	3	17	100	23	0.9	40	0.18	60
ME-ARMPREPU-12	12	3	16	85	21	0.9	45	0.21	60
ME-ARMPREPU-13	13	3.1	15	80	20	0.9	50	0.23	60
ME-ARMPREPU-14	14	3.2	14	78	19	0.9	56	0.26	60
ME-ARMPREPU-16	16	3.5	14	75	18	0.9	63	0.29	60
ME-ARMPREPU-18	18	3.5	12	73	17	0.9	70	0.34	60
ME-ARMPREPU-19	19	3.5	12	72	17	0.9	76	0.35	60
ME-ARMPREPU-20	20	3.5	12	70	16	0.9	80	0.37	60



### ARMORVIN PU OIL PHF

**Internal layer:** Transparent polyurethane  
**Reinforcement:** Steel wire helix  
**External layer:** Transparent PVC  
**Working temp.:** From -20°C up to +90°C

Flexible hose designed to transfer food substances especially with fat or oil (e.g. olive oil) contents. In compliance with European Directive 1935/2004 CE, UE 10/2011 (stimulant A, B, C, D2). Widely used also for industrial oil, semi-aggressive chemicals and abrasive materials.

code	I.D. [mm]	O.D. [mm]	working press. 23°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
ME- ARMPUOIL-020	20	28	5	0.8	80	0.40	30
ME- ARMPUOIL-025	25	33.4	5	0.8	100	0.52	30
ME- ARMPUOIL-030	30	39	4	0.8	120	0.60	30
ME- ARMPUOIL-032	32	41	4	0.8	130	0.70	30
ME- ARMPUOIL-038	38	47.6	4	0.8	140	0.75	30
ME- ARMPUOIL-040	40	49.6	4	0.8	160	0.95	30
ME- ARMPUOIL-050	50	61	4	0.8	200	1.30	30
ME- ARMPUOIL-060	60	71	3	0.8	240	1.75	30
ME- ARMPUOIL-063	63	74	3	0.8	240	1.85	30
ME- ARMPUOIL-075	75	87.4	3	0.7	280	2.30	30
ME- ARMPUOIL-080	80	94	3	0.7	320	2.40	30
ME- ARMPUOIL-100	100	115	2	0.7	400	3.70	30

## INDUSTRIAL HOSES - general purpose



### VACUPRESS SUPERELASTIC

**Internal layer:** White PVC  
**Reinforcement:** Polyester braid, steel wire helix  
**External layer:** Black PVC  
**Working temp.:** From -25°C up to +60°C

Flexible suction-delivery hose designed to transfer dry foods, food substances such as water, beer, wine, alcohols up to 28% concentration, juices, beverages. Not recommended for food substances containing oil and fat as well as dairy products. In compliance with European Directive 1935/2004 CE, UE 10/2011 (stimulant A, B and C). Widely used in industrial applications as well as for loading and unloading of tank trucks. Remains very flexible even at low temperatures. Smooth internal layer improves cleaning maintenance and loading/unloading performance and time by 20%. It is resistant to weather conditions and abrasion (according to ISO 4649: mm<sup>3</sup> <160). Available with antistatic wire on request. For wine and juice industry a special version - VACUPRESS ENO with red external layer is available.

code	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	bursting press. 20°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
ME-VACUPRSE-019	19	28	20	60	0.9	70	0.47	60
ME-VACUPRSE-025	25	35.6	16	48	0.9	80	0.68	60
ME-VACUPRSE-030	30	40.6	16	48	0.9	90	0.77	60
ME-VACUPRSE-032	32	42.6	16	48	0.9	100	0.80	60
ME-VACUPRSE-035	35	47	14	42	0.9	115	1.05	60
ME-VACUPRSE-038	38	51	14	42	0.9	125	1.20	30
ME-VACUPRSE-040	40	53	14	42	0.9	130	1.22	30
ME-VACUPRSE-045	45	58	12	36	0.9	140	1.34	30
ME-VACUPRSE-050	50	63	12	36	0.9	150	1.60	30
ME-VACUPRSE-060	60	74	12	36	0.9	180	2.00	30
ME-VACUPRSE-063	63	77	12	36	0.9	190	2.10	30
ME-VACUPRSE-076	76	92	12	36	0.9	210	2.90	30
ME-VACUPRSE-080	80	96	10	30	0.9	220	2.95	30
ME-VACUPRSE-090	90	107	10	30	0.9	250	3.50	30
ME-VACUPRSE-102	102	119	10	30	0.9	300	4.00	30
ME-VACUPRSE-120	120	138	8	24	0.9	350	5.30	20
ME-VACUPRSE-127	127	145	7	21	0.9	370	5.80	20
ME-VACUPRSE-152	152	171	5	15	0.9	480	6.85	20

# INDUSTRIAL HOSES - general purpose



## AGROFLEX LD

**Material:** Green transparent PVC  
**Reinforcement:** Rigid PVC spiral  
**Working temp.:** From -10°C up to +50°C

Lightweight, flexible, suction-delivery hose designed to transfer water, slightly aggressive chemicals, pest control products, etc.

code	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
FT-AGROFLEX-LD-019	19	24	6	0.6	100	0.18	50
FT-AGROFLEX-LD-025	25	30.4	6	0.6	130	0.25	50
FT-AGROFLEX-LD-032	32	37.8	6	0.6	170	0.33	50
FT-AGROFLEX-LD-038	38	44.4	5	0.6	210	0.42	50
FT-AGROFLEX-LD-040	40	46.8	5	0.6	220	0.46	50
FT-AGROFLEX-LD-045	45	51.8	5	0.6	260	0.53	50
FT-AGROFLEX-LD-050	50	57	5	0.6	280	0.66	50
FT-AGROFLEX-LD-060	60	68	4	0.5	350	0.84	50
FT-AGROFLEX-LD-063	63	71.2	4	0.5	370	0.90	50
FT-AGROFLEX-LD-076	76	84.8	4	0.5	530	1.15	50
FT-AGROFLEX-LD-090	90	99.6	3	0.4	630	1.55	30
FT-AGROFLEX-LD-100	100	110	3	0.4	680	1.80	30
FT-AGROFLEX-LD-125	125	136	2	0.3	780	2.80	20
FT-AGROFLEX-LD-150	150	162.6	2	0.3	880	3.80	20



## LUISIANA SUPERELASTIC

**Material:** Transparent PVC  
**Reinforcement:** Rigid PVC spiral  
**Working temp.:** From -25°C up to +55°C

Lightweight, very flexible, suction-delivery hose designed to transfer water, slightly aggressive chemicals, pest control products, etc.

code	I.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
ME-LUISIANA-SE-020	20	3.1	6.5	0.7	65	0.28	50
ME-LUISIANA-SE-025	25	3.3	6.5	0.7	100	0.33	50
ME-LUISIANA-SE-030	30	3.5	5.5	0.7	125	0.42	50
ME-LUISIANA-SE-032	32	3.6	5.5	0.7	135	0.46	50
ME-LUISIANA-SE-035	35	3.4	5	0.7	145	0.50	50
ME-LUISIANA-SE-038	38	3.7	4.5	0.7	155	0.55	50
ME-LUISIANA-SE-040	40	3.8	4.5	0.7	160	0.61	50
ME-LUISIANA-SE-045	45	3.7	4	0.7	180	0.67	50
ME-LUISIANA-SE-050	50	4.1	3.5	0.7	200	0.81	50
ME-LUISIANA-SE-060	60	4.5	3.5	0.7	245	0.97	50
ME-LUISIANA-SE-063	63	4	3.5	0.7	260	1.04	50
ME-LUISIANA-SE-076	76	5.2	2.5	0.7	315	1.38	50
ME-LUISIANA-SE-102	102	6.2	2.5	0.7	430	2.20	25
ME-LUISIANA-SE-127	127	6.3	2	0.5	670	3.13	25
ME-LUISIANA-SE-152	152	7.2	2	0.5	750	4.25	25

## INDUSTRIAL HOSES - general purpose



### FLORIDA

**Material:** Transparent PVC  
**Reinforcement:** Rigid PVC spiral  
**Working temp.:** From -5°C up to +60°C

Lightweight, flexible suction-delivery hose designed to transfer water, beer, wine, alcohols up to 28% concentration, juices, beverages and slightly aggressive chemicals. Not recommended for food substances containing oil and fat as well as dairy products. In compliance with European Directive 1935/2004 CE, UE 10/2011 (stimulant A, B and C).

code	I.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
ME-FLORIDA-020	20	2.4	6.5	0.6	110	0.21	25
ME-FLORIDA-025	25	2.4	6.5	0.6	140	0.25	25
ME-FLORIDA-030	30	2.5	6	0.6	175	0.33	25
ME-FLORIDA-032	32	2.6	6	0.6	180	0.35	25
ME-FLORIDA-035	35	2.7	6	0.6	195	0.40	25
ME-FLORIDA-038	38	2.8	6	0.6	210	0.43	25
ME-FLORIDA-040	40	3	5.5	0.6	220	0.48	25
ME-FLORIDA-045	45	3.5	5.5	0.6	255	0.64	25
ME-FLORIDA-050	50	4	5.5	0.6	275	0.76	25
ME-FLORIDA-055	55	4.3	5.5	0.6	310	0.86	25
ME-FLORIDA-060	60	4.3	4	0.6	330	0.90	25
ME-FLORIDA-063	63	4.1	4	0.6	350	0.97	25
ME-FLORIDA-070	70	4.5	3	0.6	450	1.13	25
ME-FLORIDA-075	75	4.7	3	0.6	500	1.20	25
ME-FLORIDA-080	80	4.7	3	0.6	550	1.45	25



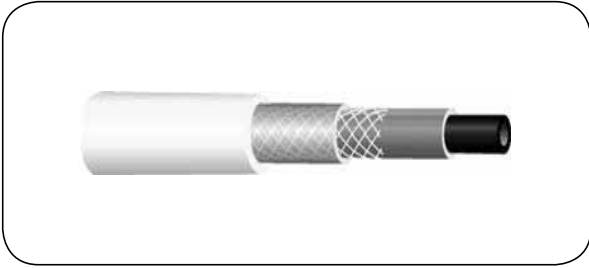
### CHANTIER

**Internal layer:** Black PVC  
**Reinforcement:** Polyester braid  
**External layer:** Orange PVC  
**Working temp.:** From -15°C up to +60°C

General purpose, flexible, delivery hose used for water and slightly aggressive chemicals. Fluorescent external layer provides good visibility in limited lighting conditions. Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	bursting press. 20°C [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-CHANTIER-19	19	25.5	9	27	112.5	0.29	50

## INDUSTRIAL HOSES - general purpose



### THERMOSOFT

**Internal layer:** Black PVC  
**Reinforcement:** Textile braid  
**External layer:** Yellow PVC  
**Working temp.:** From -20°C up to +100°C  
 (with peaks up to +120°C)

General purpose hose designed to transfer air, water and other fluids. Five layer construction ensures high resistance to sudden temperature changes, cyclic pressure and deformation. Chemical resistance to certain acids, bases, bleach and sea water combined with other pro-perties of THERMOSOFT hose makes it a new alternative to several types of rubber hoses. To be used with hydraulic fittings (TI-Z...) crimped with ferrules or fittings assembled on the hose with the use of safety clamps (that are to be tightened during first use in elevated temperature). Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	working press. 100°C [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
TR-THERMOSOFT-13	13	22	30	15	37.5	0.31	25
TR-THERMOSOFT-16	16	25	30	15	45	0.36	25
TR-THERMOSOFT-19	19	28	30	15	52.5	0.41	25
TR-THERMOSOFT-25	25	34	30	15	65	0.51	25



### NIPLAFLEX

**Internal layer:** Black NBR/PVC compound  
**Reinforcement:** Synthetic braid  
**External layer:** Black NBR/PVC compound  
**Working temp.:** From -20°C up to +70°C

General purpose, highly flexible hose used for water, air, oil, petrol, grease, many chemicals, pesticides, etc. Suitable for AdBlue. Non-staining external layer resistant to ageing and ozone.

code	I.D. [mm]	wall thickness [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	weight [kg/m]	standard length [m]
BG-NIPLAFLEX-06	6	3	12	25	75	0.11	100
BG-NIPLAFLEX-08	8	3.5	15	25	75	0.17	100
BG-NIPLAFLEX-09	9	3.5	16	25	75	0.19	100
BG-NIPLAFLEX-10	10	3.5	17	25	75	0.20	100
BG-NIPLAFLEX-13	13	4	21	25	75	0.28	100
BG-NIPLAFLEX-19	19	4.5	28	25	75	0.44	50

## INDUSTRIAL HOSES - general purpose



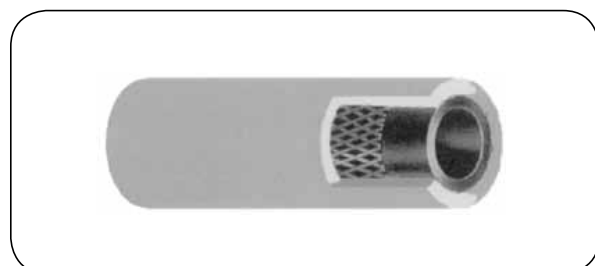
### VARIFLEX® 300

**Internal layer:** Black NBR rubber  
**Reinforcement:** Synthetic braid  
**External layer:** Blue rubber compound  
 Chemivic® (NBR + vinyl)  
**Working temp.:** From -30°C up to +90°C

Top grade (flexible, non-staining, kink and torsion resistant), general purpose hose used for a wide range of industrial applications such as: air, hot and cold water, oil, hydraulic fluids, slightly aggressive chemicals, diluted acids, cleaning fluids. External layer resistant to oil, abrasion and ozone. Low elongation and high dimensional stability make the hose specially suited for hose reels. Nonconductive (R > 1 MΩ/m at 1000 V DC).

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
GY-VARIFLEX300-10BL	9.5	17.5	20	80	80	0.28	152.5
GY-VARIFLEX300-13BL	12.7	21.8	20	80	100	0.39	152.5
GY-VARIFLEX300-16R*	15.9	25.9	20	80	130	0.49	152.5
GY-VARIFLEX300-19BL	19.1	30.2	20	80	160	0.63	152.5
GY-VARIFLEX300-25BL	25.4	38.1	20	80	200	0.92	137.3

\* - red external layer



### GORILLA®

**Internal layer:** Black NBR rubber  
**Reinforcement:** Aramid fibre braid  
 (synthetic braid for 2")  
**External layer:** Special yellow Carbryn®  
 (C-NBR) rubber  
**Working temp.:** From -30°C up to +90°C

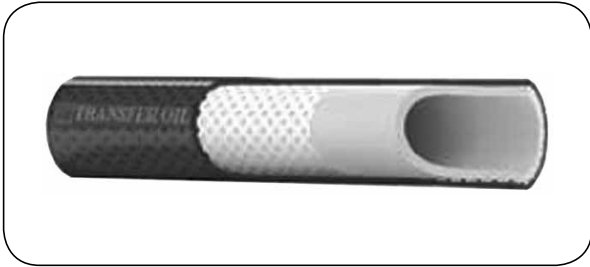
Top grade, highly flexible (with kink and torsion resistance) general purpose hose. Internal layer suitable for oil, fat, bases, air, kerosene, cold and hot water. External layer has excellent abrasion resistance and good resistance to animal fat and oil. External layer flame resistance meets MSHA 2G-14C/14 standards. High tensile strength and dimensional stability make the hose particularly suitable for hose reels. Nonconductive (R > 1 MΩ/m at 1000 V DC). Safety factor 4:1.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	bending radius [mm]	weight [kg/m]	standard length [m]
GY-GORILLA-06	6.4	15.5	35	65	0.25	152.5
GY-GORILLA-08	7.9	17.5	35	80	0.30	152.5
GY-GORILLA-10	9.5	18.6	35	95	0.33	152.5
GY-GORILLA-13	12.7	22.6	35	130	0.42	152.5
GY-GORILLA-16	15.9	26.9	35	160	0.52	152.5
GY-GORILLA-19	19.1	30.2	35	190	0.61	152.5
GY-GORILLA-25	25.4	37.8	35	255	0.86	137.3
GY-GORILLA-32	31.8	45.6	35	320	1.18	122
GY-GORILLA-38	38.1	51.8	35	380	1.27	91.5
GY-GORILLA-51	50.8	66.6	35	510	1.76	152.5

# 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

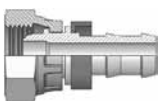


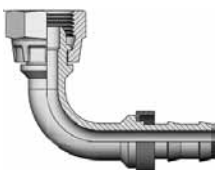
The application of PUSH ON fittings is restricted to hoses designed exclusively for these fittings (PUSH ON hose type). The fitting connects with the hose without clamps or safety clamps. Special corrugations of the fitting are adjusted to the material, sizes of PUSH ON hoses and the construction of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

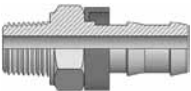
picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
BSP female thread, 60° cone seal 	TI-YBW310-04-04	-	TI-YBW310-04-04-SS	1/4	1/4
	TI-YBW310-06-06	-	TI-YBW310-06-06-SS	3/8	3/8
	TI-YBW310-08-08	-	TI-YBW310-08-08-SS	1/2	1/2
	TI-YBW310-12-12	-	TI-YBW310-12-12-SS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

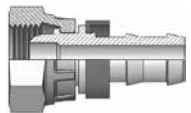


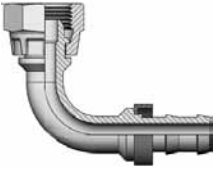
# INDUSTRIAL HOSES - general purpose

## 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

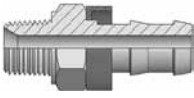
picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>BSPT male thread</p> 	TI-YBZ130-04-04	TI-YBZ130-04-04-MO	TI-YBZ130-04-04-SS	1/4	1/4
	TI-YBZ130-06-06	TI-YBZ130-06-06-MO	TI-YBZ130-06-06-SS	3/4	3/8
	TI-YBZ130-08-08	TI-YBZ130-08-08-MO	TI-YBZ130-08-08-SS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

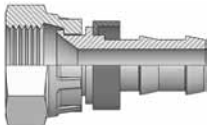
picture	code (galvanized steel)	code (brass)	code (AISI 316)	thread size [inch]	hose I.D. [inch]
<p>Metric female thread, 24°/60 cone seal</p> 	TI-YMW111-14-04	TI-YMW111-14-04-MO	TI-YMW111-14-04-SS	M14x1.5	1/4
	TI-YMW111-16-06	TI-YMW111-16-06-MO	TI-YMW111-16-06-SS	M16x1.5	3/8
	TI-YMW111-18-06	TI-YMW111-18-06-MO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