

# UPGRADE YOUR MOULD

**HOSES AND COUPLINGS  
FOR THE PLASTICS PROCESSING INDUSTRY**

**HOSES AND HOSE ASSEMBLIES  
FOR INJECTION MOULD COOLING**

**HYDRAULIC HOSES  
AND HOSE ASSEMBLIES**

**GRANULATE  
HOSES**

**QUICK RELEASE COUPLINGS  
FOR INJECTION MOULDS**



## QUICK RELEASE COUPLINGS FOR INJECTION MOULDS



We offer an extensive range of quick release couplings for injection moulding: DYROS series 6, 30, 40, 80, 90 and TUTHILL series J-70000. These couplings feature an excellent combination of large flow bore and proportionally small dimensions. As a standard, the quick release couplings contain a shut-off valve to ensure tightness at low pressure. There are also other versions available: coupling without a valve (OV), socket with a safety device protecting against accidental disconnection of the coupling and with special coloured sleeves (blue or red).

The quick release couplings for injection moulding have really small dimensions and a Viton seal of excellent resistance to chemicals, so apart from they intended application in plastics processing, they are used for compressed air, gases (methane, propane, acetylene etc.), mineral oil, grease, fuels etc.

## ACCESSORIES FOR INJECTION MOULDING MACHINES

### PLUGS AND SOCKETS



Plugs and sockets with plastic o-rings, blue and red colour.

### BRIDGES



Bridges connect cooling channels in injection moulds.

### OTHER ACCESSORIES



A range of accessories includes fittings with either male or female thread hose tails, blank plugs, nipples, adapters.

Tubes International offers the high quality quick release couplings for injection moulding of a Danish brand - DYROS, in the following series:

- 6 SERIES: DN6, European profile 1/4", plug outer diameter 9 mm,
- 90 SERIES: DN9, European profile 3/8", plug outer diameter 13.5 mm,
- 30 SERIES: DN6, American profile 1/4", plug outer diameter 9.5 mm,
- 40 SERIES: DN9, American profile 3/8", plug outer diameter 13.5 mm,
- 80 SERIES: DN13, American profile 1/2", plug outer diameter 20 mm.

Series	DYROS 6	DYROS 30	DYROS 40	DYROS 80	DYROS 90
Flow diam.	6 mm	6mm	9 mm	13 mm	9 mm



The following versions of DYROS quick release couplings are also available:

- with anticorrosive tin coating STANNIZATION (H version),
- with a SAFETY CONNECTOR (S version) to prevent accidental disconnection,
- with a coloured socket sleeve and a coloured plastic ring on the plug (red - R and blue - B),
- with PUSH-ON fittings.

TUTHILL J70000 free flow quick release couplings of a French profile (DN8 and DN12) complement the range.



Quick release couplings with these profiles are compatible with the couplings of other, popular manufacturers.

## COOLANT HOSES

RP HOSE



Internal layer made of transparent PVC. Reinforced with polyester braid. External layer available in colours: red or blue.

Working temperature: from -20°C to +55°C.

A

### ASSEMBLY OPTIONS

- Bands, clamps
- Ferrules

## CODAN RUBBER HOSE

Hose made of smooth EPDM rubber, reinforced with synthetic cord, external layer available in colours: red, green, blue and black.

Working temperature: from -30°C to +140°C (with peaks up to +160°C).

Robust hose designed for particularly heavy duty working conditions that require flexibility, resistance to weather conditions and ozone. Recommended for air and water, for injection moulds in particular.



A

### ASSEMBLY OPTIONS

- Bands, clamps
- Ferrules

## PTFE HOSE



A

### ASSEMBLY OPTIONS

- Ferrules

PTFE braided hose makes an excellent substitute for rubber or PVC hoses as it ensures longer and more reliable operation. With its physical and mechanical properties, it is perfectly suitable for injection moulding applications in the plastics processing industry.

PTFE has very good chemical resistance, wide range of temperature resistance (from -70°C up to +260°C), resistance to ageing and weather conditions. Available in stainless steel braid, aramid braid or polypropylene braid.

## INSTA-GRIP 300 HOSE

General purpose delivery hose designed for pneumatic and hydraulic applications. Widely used in the automotive industry (no silicone used in the hose production process). External layer made of synthetic rubber is resistant to weather conditions, abrasion and oil. This rubber cover is also MSHA 2G-14C/14 approved as flame resistant. Working temperature from -40°C up to +90°C. Available in colours: red, green, blue and black.

Hose is designed to be assembled with PUSH-ON fittings.

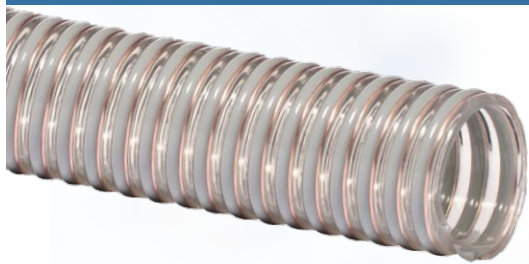
The fitting does not require any bands or clamps. The special profile of the barbs is adjusted to the material and dimensions of the hose and construction of the braid, so that the hose grips the barbs of the fitting tightly.





## GRANULATE HOSES

LUISIANA PU ANTISTATIC



A

### ASSEMBLY OPTIONS

- Bands, clamps

Hose made of transparent polyurethane reinforced with hard PVC helix.

Working temperature: from -5°C to +85°C.

Robust suction-delivery hose designed to convey highly abrasive materials. It is recommended for the transfer of sharp plastics fraction - so called reclaimed plastics. Widely used in plastics processing in applications where the hose must be more abrasion resistant, wear resistant and puncture resistant.

P 7 M PU AE, P 7 N PU AS

Flexible hoses made of polyether-polyurethane reinforced with steel wire helix.  
AE version - resistant to microbes and hydrolysis.

AS version - antistatic. Working temperature: from -40°C to +100°C.

Hoses designed to extract and convey highly abrasive materials. Oil resistant and non-toxic. Used in the woodworking industry, metalworking and plastics industry, food industry. Other diameters available in the range of 20 ÷ 400 mm.



A

### ASSEMBLY OPTIONS

- Clamps, worm drive bridge clamps

AQUAWASH 2SN



Hose made of synthetic rubber reinforced with steel braid.  
Working temperature: from -40°C to +160°C.

Hose designed for hot and cold water high pressure cleaning equipment. Resistant to abrasion, ozone and detergents. Not intended for steam cleaning. Working pressure up to 400 bar.

## PRODUCTION

## OF HIGH PRESSURE HOSE ASSEMBLIES

FINN POWER P16 HP

Crimping machine with a manual hydraulic pump designed for repair workshops, service units, service vans, etc. Compact construction and low weight allows making repairs on-site. P16 HP includes an electric indicator showing when a preset crimp diameter is achieved. We offer dies for this machine as well.

i

**TUBES INTERNATIONAL** is the only authorised distributor of Finn Power crimping machines in Poland. We provide technical advice, sale, training, warranty service and post-warranty service.

