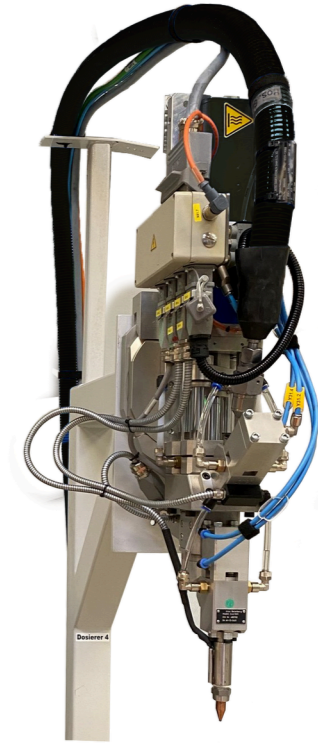


Equipment




Designation	Length (m)	Diameter (mm)	Material	Version	Part number
INTEC material hose	2	16	PA	unheated	613020
INTEC material hose	2.5	16	PA	unheated	613025
INTEC material hose	3	16	PA	unheated	613030
INTEC material hose	4	16	PA	unheated	613040
INTEC material hose	6	16	PA	unheated	613060
INTEC material hose	2	16	PTFE	heated	681720
INTEC material hose	2.5	16	PTFE	heated	681725
INTEC material hose	3	16	PTFE	heated	681730
INTEC material hose	4	16	PTFE	heated	681740
INTEC material hose	6	16	PTFE	heated	681760
INTEC material hose	2	25	PA	unheated	614220
INTEC material hose	2.5	25	PA	unheated	614225
INTEC material hose	3	25	PA	unheated	614230
INTEC material hose	4	25	PA	unheated	614260
INTEC material hose	6	25	PA	unheated	614240
INTEC material hose	2	25	PTFE	heated	682620
INTEC material hose	2.5	25	PTFE	heated	682625
INTEC material hose	3	25	PTFE	heated	682630
INTEC material hose	4	25	PTFE	heated	682640
INTEC material hose	6	25	PTFE	heated	682660

iNTEC material hoses

High Viscosity / Accessories



ROBUST HOSES FOR SMOOTH GLUING APPLICATION

-  High power density
-  Equivalent heat distribution
-  Safe and reliable construction

Markets



BOND • PROTECT • BEAUTIFY



iNTEC material hoses

High pressure material hoses from iNTEC are the perfect match for high viscosity applications. These are available in heated and unheated versions depending on the type of gluing systems used.

Material hoses play an essential role in a complete adhesive application system as they feed every component - from the barrel to the dosing unit - with new material. Depending on the desired adhesive, the hoses can be delivered in a **heated or unheated version**. If the material is viscous enough to flow sufficiently smooth, unheated systems are the option to choose. The advantages are clear: the feeding is less complex and no energy is required for a temperature regulation. In most cases, customers will opt for a heated version. Despite the greater efforts, heated systems allow the installation to operate under a constant temperature and become independent from seasons and daytimes. In addition, the viscosity of the glue will lower when being heated. The feeding and the application itself will then become a lot easier.

For maximum flexibility, iNTEC heated hoses are individually designed and produced according to customer specifications. All versions are equipped with an inner liner, a temperature sensor, a heating conductor, insulation, an outer jacket and an end cap. Temperatures can be processed and regulated by a controller thanks to the integrated sensor. They are a component of the entire heated hose. Fittings will be installed depending on the application, operating pressure, and temperatures.



Technical data table

Designation	Value	Unit: metric (US)
Length	350	mm (in)
Maximum Fluid Pressure	PA/PTFE	bar (psi)
Recommended Fluid Pressure	Max. PA: 90 (194) + PTFE: 120 (248)	bar (psi)
Internal / External Small Diameter Hose	16/55 (5/8"/2.17")	mm (in)
Internal / External Medium Diameter Hose	20/63 (3/4"/2.48")	mm (in)
Internal / External Wide Diameter Hose	25/83 (1"/3.27")	mm (in)
Length	2/2.5/3/4/6 (6.56/8.2/9.8/13.1/19.7)	m (ft)
Hose Material Outer Cover: corrugated	PA-12	
Voltage	230	Volt
Heating Power	180 -250	W/m
Material Isolation: fleece	♦	
Connection Fitting	M24x1,5 / M30x2 / M42x2	
Temperature Sensor	PT 100	
Connector Plug	HAN3A	



Technologies



Swirl



LASD



Bead



Potting



Droplets



Streaming



Spraying

Performance

- ♦ Suited for high pressure applications: works up to 350 bar
- ♦ Max. heating temperature up to 90°C (PA) and 120°C (PTFE)

2 Selection of the outer jacket is determined by application. Two kinds of corrugated PA hoses available (robotic and standard)

Productivity

- ♦ Compatible with most materials: 1K and 2K epoxy, polyurethan, rubber and silicone systems

5 PT-100 sensors based on 2-wire technology in proximity to the material

4 Spacer: The spacer is braided glass-fibre and provides reliable protection for the heating cable against mechanical damage and hot spots in the event of bending strain. Ensures an excellent homogeneous heat distribution

- ♦ Shielded heated cable with high power density ensures high electrical safety

Sustainability

3 Insulation: Special thermal fleece materials based on elastomer foam are used

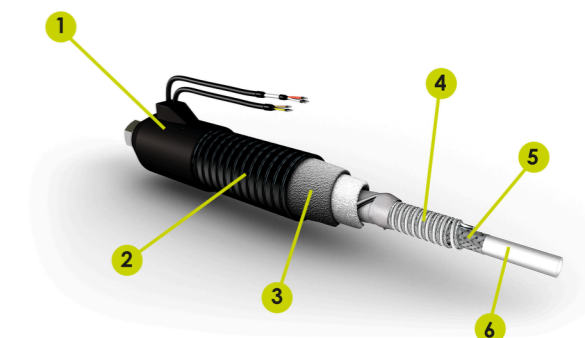
6 Inner liners: Available in PA (economic solution) and PTFE (lower friction and impermeable to moisture)

1 Metric DIN-connecting fittings for a modular integration

- ♦ Only one connector for power and temperature sensor



Description



End caps



Outer jacket



Insulation



Heating cable



Sensor



Inner liner