



Duct Joint Closure

Straight Joint, Cold Seal

Features

- Quick and easy installation
- Cold Seal, no heating required
- Re-enterable
- Water tight, IP class 68
- Dielectric

Application

The NDE 451 25 system is a series of straight duct joint closures for micro- and multi-ducts.

The duct joints are designed for quick and easy installation, minimizing time consuming civil works.

When used in combination with the Hexatronic air blown cabling systems, minimum initial investments are required to provide a future proof network that is easy to expand, upgrade and maintain.

The design enables excellent mechanical protection and water tightness according to IP class 68. The duct joints are intended to be installed in manholes or direct buried. They are re-enterable for easy re-configuration/repair.

Design

The duct joint closures comprise of a tube shaped body and two duct glands. The closures are available in different sizes for various types of circular shaped micro- and multi-ducts.

The body is made of transparent polycarbonate or orange, opaque polypropylene. Cable sealing glands are made of thermoplastic elastomer TPE and cable straps of polyamide.

All materials are recyclable and in accordance with the RoHS directive.

Technical Information

Temperature, Operation [°C]	-30 to +60
Temperature, Storage [°C]	-30 to +60
Temperature, Installation [°C]	-20 to +50
IP Rating	IP68, 3m
Installation Notes	To facilitate installation, low-friction lubricant is required. If applied sparsely, one bottle of lubricant is sufficient for more than 100 duct joints. Lubricant is ordered separately.
Ordering Information	The closures are delivered in packages of 10 pieces. Use the compatibility chart to choose the right product for your application.

Technical Details

	PRODUCT NO.	PACK QUANTITY	COLOR PIPE / GLAND	LENGTH MM PIPE + GLAND	Ø MM PIPE	FOR DUCT Ø MM	PULL STRENGTH N	WEIGHT KG (10 pcs)
	NDE 451 25/111	10	Clear/Red	162	18.9/25	7-125	100	0.7
	NDE 451 25/131	10	Orange/Orange	380	35/45	14.9-18	100	3.0
	NDE 451 25/141	10	Orange/Red	380	35/45	19-24	100	3.0
	NDE 451 25/151	10	Orange/L. Gray	630	63/75	26.5-29	100	6.6
	NDE 451 25/161	10	Orange/D. Gray	630	63/75	31-33	100	6.6
	NDE 451 25/171	10	Orange/Black	630	63/75	36.7-40	100	6.6
	NDE 451 25/181	10	Orange/Blue	630	63/75	44-46	100	6.6
	NDE 451 25/191	10	Orange/Orange	630	63/75	40-41	100	6.6

Configuration Chart

Articles 8

Article name	Color	Tensile Force, Installation [N]		Dimensions [mm]	Weight [kg]	Form of Delivery
10x Straight Joint 7.1-12.5 mm NDE45125/111	Clear/Red or Clear/Black	100	162 × 25	0.7	10 Pack	
10x Straight Joint 14.9-18mm NDE45125/131	–	–	–	3	10	
10x Straight Joint 19-24mm NDE45125/141	–	–	–	3	10	
10x Straight Joint 26.5-29mm NDE45125/151	–	–	–	6.4	10	
10x Straight Joint 31-33mm NDE45125/161	–	–	–	6.4	10	
10x Straight Joint 36.7-40mm NDE45125/171	–	–	–	6.4	10	
10x Straight Joint 44-46mm NDE45125/181	–	–	–	6.4	10	
10x Straight Joint 40-41mm NDE45125/191	–	–	–	10.1	10	