

## Nestor Optimus DB Reducers



**Application** Reduction connectors for DB (Direct Buried) microducts. Suitable for direct buried installation or installation in protective pipes or cable shafts.

<b>Features</b>	Transparent	Proper connection of microducts and installation of micro cable can be seen and verified.																
	Tightness	IP 68																
	Short term blowing pressure	25 bar																
	Burst pressure	Accordingly to EN 50411-2-8																
	Materials	<table border="0"> <tr> <td>Body:</td> <td>Transparent HP polymer</td> </tr> <tr> <td>Cartridge:</td> <td>Techno polymer</td> </tr> <tr> <td>Collet:</td> <td>Techno polymer</td> </tr> <tr> <td>Seal:</td> <td>NBR</td> </tr> <tr> <td>Lock Claw:</td> <td>Stainless steel</td> </tr> <tr> <td>Support Ring:</td> <td>Techno polymer</td> </tr> <tr> <td>Rubber Cover:</td> <td>Dark silicon</td> </tr> <tr> <td>Locking Clip:</td> <td>Tamper-proof techno polymer</td> </tr> </table>	Body:	Transparent HP polymer	Cartridge:	Techno polymer	Collet:	Techno polymer	Seal:	NBR	Lock Claw:	Stainless steel	Support Ring:	Techno polymer	Rubber Cover:	Dark silicon	Locking Clip:	Tamper-proof techno polymer
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**Safety Clips** Reducers are always equipped with safety clips. The safety clip prevents accidental disconnection.

Installation Temperature -15°C ... +40°C

Lifetime Tested in order to simulate a 20 years lifetime.

**Specifications** EN 50411-2-8: Microduct connectors

EN 61300-2-4:	Microduct retention
EN 61300-2-10:	Crush resistance
EN 60794-1-2:2003, Method E4:	Impact
EN 61300-2-33:	Re-entries
EN 61300-2-22:	Change of temperature (cycling)
EN 61300-2-23:1997, Method 2:	Water immersion
EN 61300-2-26:	Salt mist
EN 61300-2-34:	Chemical resistance
EN 50411-2-8, Annex C:	High pressure resistance (safety)
EN 50411-2-8, Annex D:	Installation test
EN 50411-2-8, Annex E:	Insertion force
EN 60529:	IP 68
EN 61386-22:	Glow wire test at 750°C
EN 61386-24:	Conduit systems buried underground

**Sizes, applications and package sizes for Nestor Optimus DB Reducers**

Reducer size according microducts outer diameters	Used for example to connect following microducts together		Package size (quantity)
7 / 4 mm	7/3,5 mm, 7/4 mm	4/2,1 mm	100
7 / 5 mm	7/3,5 mm, 7/4 mm	5/2,5 mm, 5/3,5 mm	100
7 / 6 mm	7/3,5 mm, 7/4 mm	6/3,5 mm	100
14 / 10 mm	14/10 mm, 14/12 mm	10/6 mm, 10/8 mm	100
14 / 12 mm	14/10 mm, 14/12 mm	12/8 mm, 12/10 mm	100
16 / 12 mm	16/10 mm, 16/12 mm	12/8 mm, 12/10 mm	100
16 / 14 mm	16/10 mm, 16/12 mm	14/10 mm, 14/12 mm	100

**Additional information** The microduct inner diameter does not affect to the functioning of the reducers, but please note mentions below carefully.

When coupling two microducts together, it is recommended that the microducts inner diameters are same in both sides of the reducer.

If it is not possible to use microducts with same inner diameters in both sides of the reducer, the cable blowing direction should be from smaller inner diameter to bigger inner diameter.



Products in compliance with the directive 1907/2006



Products in compliance with the directive 2011/65/EU