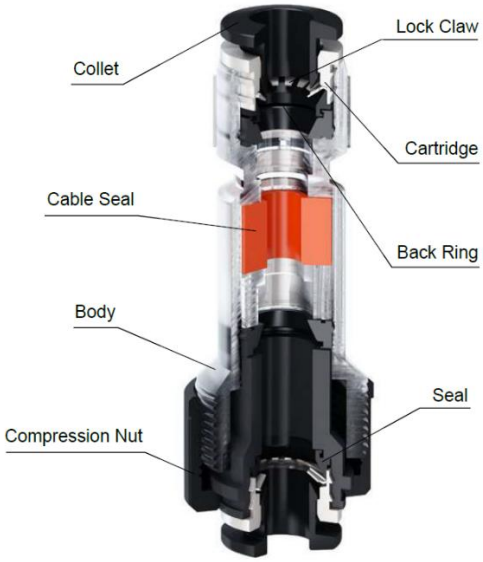
Nestor Optimus Gas Blocks



Application

Gas block for microducts. Used for sealing the inside of a microduct route. Prevents moisture, water and gas passing through the connector.

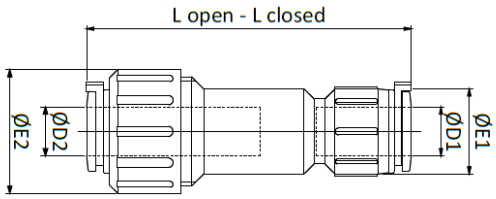
Features

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	>45 bar

Materials

Body:	Transparent HP polymer
Cartridge:	Nickel plated brass
Collet:	Techno polymer
Seal:	NBR
Lock Claw:	Stainless steel
Cable Seal:	Silicon
Compression Nut:	Techno polymer
Back Ring:	Techno polymer
Locking Clip:	Techno polymer

Safety Clips	Gas blocks 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.



Dimensions, applications and package sizes for Nestor Optimus Gas Blocks

Nestor Product name	ØD1 (mm)	ØD2 (mm)	ØE1 (mm)	ØE2 (mm)	Fibre cable size range (mm)	Cable seal color	L Open	L Closed	Package size (quantity)
Optimus Gas Block 4 mm (0,5-2,5mm)	4	4	11	17,5	0,5-2,5	Blue	53,0	50,0	50
Optimus Gas Block 5 mm (0,5-3,5 mm)	5	5	13	20,5	0,5-3,5	Blue	55,9	52,9	50
Optimus Gas Block 7/5 mm (0,5-3,5 mm)	7	5	14,6	20,5	0,5-3,5	Blue	58,6	55,6	50
Optimus Gas Block 7 mm (0,5-3,5 mm)	7	7	14,6	22,5	0,5-3,5	Blue	66,8	63,8	25
Optimus Gas Block 7 mm (3-5 mm)	7	7	14,6	22,5	3-5	Red	66,8	63,8	25
Optimus Gas Block 8/5 mm (0,5-3,5 mm)	8	5	14,6	20,5	0,5-3,5	Blue	58,6	55,6	50
Optimus Gas Block 10/7 mm (2-4 mm)	10	7	19,0	22,5	2-4	Red	70,2	67,2	20
Optimus Gas Block 10 mm (0,5-3 mm)	10	10	19,0	27,0	0,5-3	Blue	75,0	71,0	20
Optimus Gas Block 10 mm (3-6 mm)	10	10	19,0	27,0	3-6	Red	75,0	71,0	20
Optimus Gas Block 10mm (6-8 mm)	10	10	19,0	27,0	6-8	Yellow	75,0	71,0	20
Optimus Gas Block 12 mm (3-6 mm)	12	12	21,5	30,5	3-6	Red	79,3	74,8	20
Optimus Gas Block 12 mm (6-8 mm)	12	12	21,5	30,5	6-8	Yellow	79,3	74,8	20
Optimus Gas Block 12 mm (8-10 mm)	12	12	21,5	30,5	8-10	Green	79,3	74,8	20
Optimus Gas Block 14 mm (3-6 mm)	14	14	23,0	31,5	3-6	Red	82,0	77,0	15
Optimus Gas Block 14 mm (6-8 mm)	14	14	23,0	31,5	6-8	Yellow	82,0	77,0	15
Optimus Gas Block 14 mm (8-10 mm)	14	14	23,0	31,5	8-10	Green	82,0	77,0	15
Optimus Gas Block 16 mm (6-8 mm)	16	16	26,0	35,0	6-8	Yellow	89,4	82,4	10
Optimus Gas Block 16 mm (8-10 mm)	16	16	26,0	35,0	8-10	Green	89,4	82,4	10
Optimus Gas Block 16 mm (10-12 mm)	16	16	26,0	35,0	10-12	Black	89,4	82,4	10

Specifications EN 50411-2-8: Microduct connectors

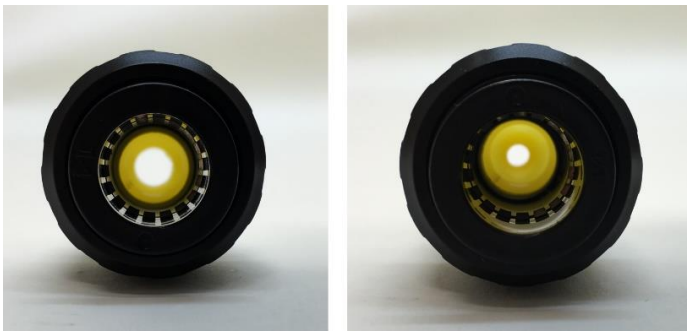
EN 61300-2-4:	Microduct retention
EN 61300-2-10:	Crush resistance
EN 60794-1-2:2003, Method E4:	Impact
EN 61300-2-33:	Re-entries
EN 61300-2-22:	Change of temperature (cycling)
EN 50411-2-8, Annex C:	High pressure resistance (safety)
EN 50411-2-8, Annex D:	Installation test
EN 50411-2-8, Annex E:	Insertion force
EN 60529:	IP 68
EN 61386-22:	Glow wire test at 750°C (main body)

Additional information

The microduct inner diameter does not affect to the functioning of the gas blocks.

Before the optical fibre cable installation, the compression nut must be completely unscrewed to open position. In that position the system is not sealed, and the cable can pass through the gas block freely.

After the cable installation, in order to seal the system, the compression nut must be screwed firmly to closed position. Do not pull the cable when the gas block is in the closed position to prevent possible damage to the gas seal.



Nestor Optimus Gas Block unsealed and sealed

If the gas block is used with lubricants, the customer or end user is responsible to check the lubricant chemical compatibility with the construction materials of the gas block.

If you would like to receive more information about our products, please contact to our technical department.

REACH COMPLIANT Products in compliance with the directive 1907/2006

RoHS3 Products in compliance with the directive EU 2015/863

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