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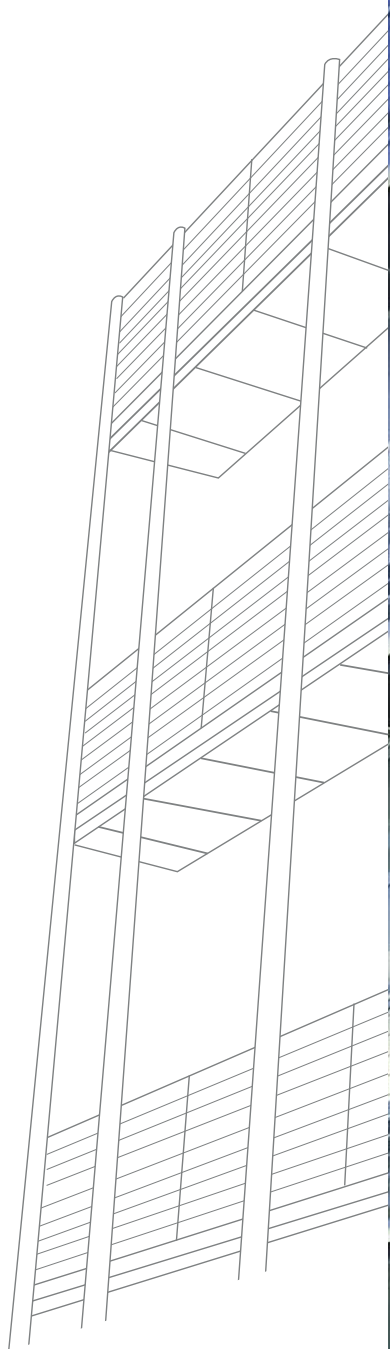


Gas Block





If It's Not Fiber, It's Not Broadband



 **TierreGroup**®

 **TierreFittings**®

 **F-Line.PRO**

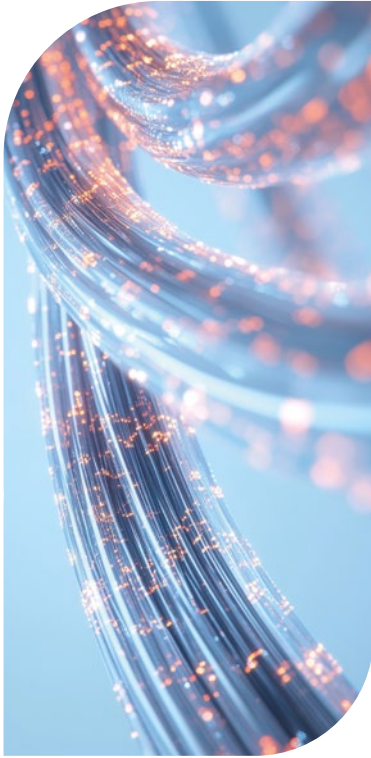
 **NET.Fit**®

 **INOX.Fit**®





Connecting fast. Connecting better.



Making the Difference in Products. Making the Difference for People.

Making the difference means more than standing out, it means being the best choice. Tierre Group has been innovating for years, delivering unique solutions for fiber optic blowing systems that guarantee top performance and unmatched durability. Our commitment is twofold: create products that truly stand apart, and be better, more reliable, and closer to people.

Always with sustainability at the core.



The NET.Fit Gas Block product range is engineered to provide effective sealing of fiber optic microduct systems, preventing the ingress and propagation of gas, moisture, and liquids within the network infrastructure.

These devices are designed to ensure network integrity and service continuity by mitigating the risk of fluid migration along the cable path, which may compromise system performance and long-term reliability.

Each solution is optimized for specific application scenarios and installation requirements, delivering consistent and reliable performance under varying environmental conditions.

All NET.Fit Gas Block systems operate according to a common functional principle: they achieve mechanical sealing and isolation of the fiber optic cable within the microduct, effectively eliminating the annular space that may otherwise allow the longitudinal transmission of fluids.

The sealing mechanism is based on controlled mechanical compression, which ensures:

- Secure adaptation to cable and microduct tolerances;
- Long-term sealing stability without material degradation;
- Reversibility for inspection, maintenance, or network reconfiguration;

This approach provides a robust and serviceable sealing solution, particularly suited for applications where accessibility and re-entry capability are required.



TierreGroup®

Human. Connected. Sustainable.



For Tierre Group, sustainability is far more than a strategic priority: it is a core principle, woven into our everyday decisions, our investments, and the way we imagine the future. It embodies the values that guide us – transparency, dedication, well-being, innovation, and flexibility – and inspires us every day to act responsibly toward the environment, our people, and the communities where we operate.

Tierre Group S.p.A.

ENVIRONMENTAL PRODUCT DECLARATION

PRODUCT NAME

Plastic fittings for optical fiber NET.Fit:

FXUC07-LC	EFXPF14
FXPF12-LC	EFXGB1P18-8/10
EFXUC05	EV2GB2P07-0,5/5,5-LC
EFXPF05	EV2UC07-LC
EFXUC14	EV2PF07-LC

SITE

Xingchal, Tianyuan, Cixi, Zhejiang, P.R.
315325 - China

In accordance with ISO 14025 and EN 15804:2012+A2:2019

Program Operator	EPDItaly
Publisher	EPDItaly
Declaration number	EPDTierre_NET_Fit_2024_rev1.0
Registration Number	EPDITALY1165
Release Date	16/12/2025
Valid until	16/12/2030

TierreGroup®

Evolution NET.Fit Gas Block

Technical data:

Feature	Value / Specification
Operating temperature	-20 °C + +50 °C
Working pressure	20 bar
Short-term blowing pressure (10')	25 bar
Burst pressure (all diameters)	>45 bar
Medium	Air
Body	Transparent HP Polymer
Cartridge	Techno Polymer
Collet	Techno Polymer
Seal	NBR
Lock Claw	Stainless Steel
Cable Seal	Silicone
Compression Nut	Techno Polymer
Back Ring	Techno Polymer
Tamper-Proof Locking Clip	Techno Polymer
Certifications / Compliance	REACH compliant (EC 1907/2006), RoHS3 (EU 2015/863)
Standards / Tests	EN 50411-2-8, EN 61300-2-1, EN 61300-2-4, EN 61300-2-37, EN 61300-2-5, EN 61300-2-10, EN 60794-1-2 Method E4, EN 61300-2-33, EN 61300-2-22, EN 61300-2-23, EN 61300-2-26, EN 61300-2-34, EN 50411-2-8 Annex C/D/E, EN 60529 IP68, EN 61386-22





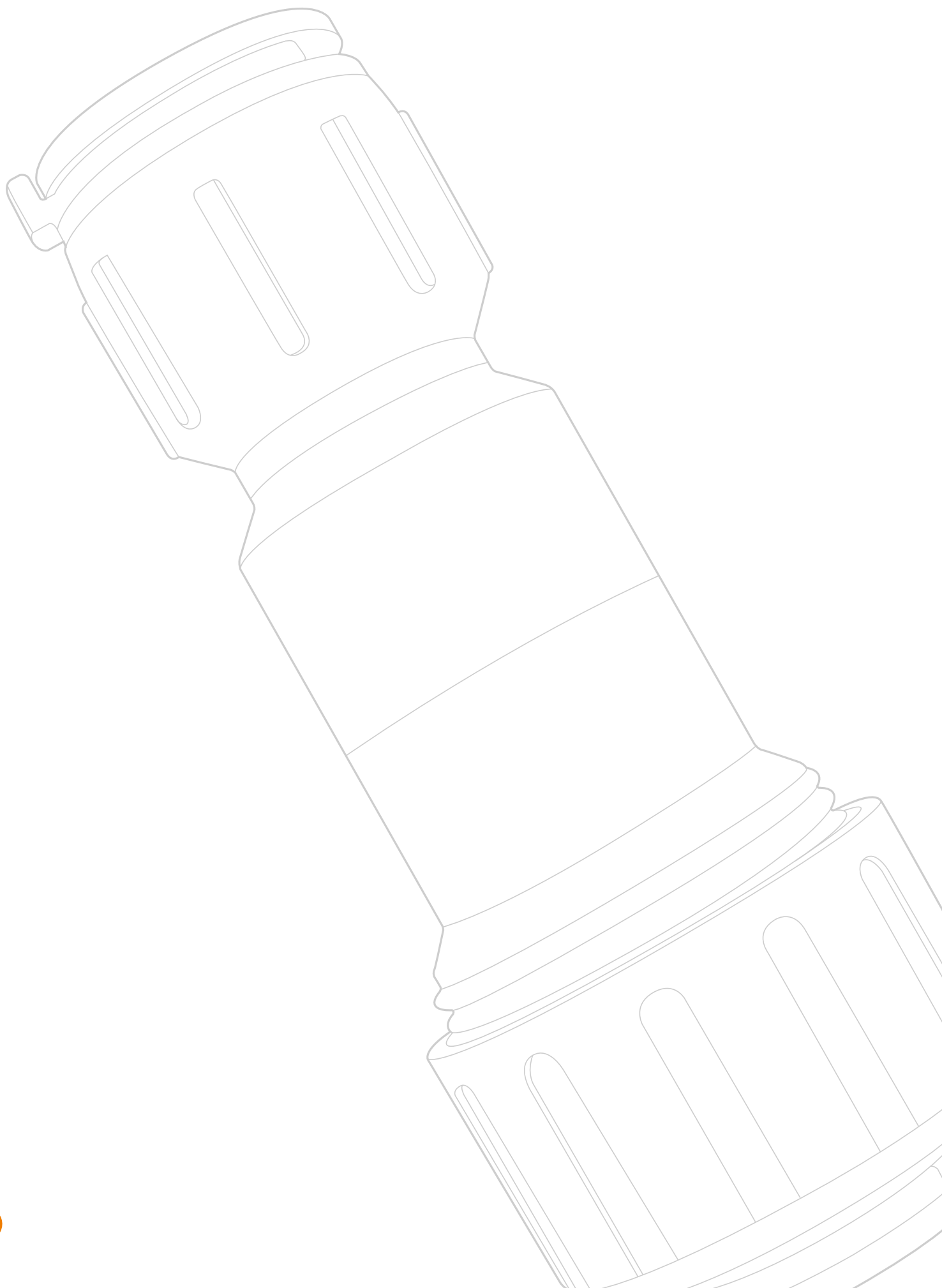
A dynamic story but one with clear goals. Italian at heart, but with an international vision. These qualities have allowed Tierre Group to adapt to market changes, responding to each demand with credibility and precision. The core values of honesty, respect, and integrity make Tierre Group a closeknit family, further strengthened by more 'business-like' attributes such as reliability, punctuality, and the expertise of a young and capable management team. These strengths have enabled the company to quickly make a name for itself through its comprehensive product range, fast delivery, and reliable customer service.

As a testament to its commitment to innovation and growing environmental transparency, in 2024, Tierre Group launched a project to validate and certify a digital tool designed to enhance product traceability and environmental analysis (LCA tool – Life Cycle Assessment). This tool is now fully implemented and allow us to calculate the carbon footprint of all the items we manufacture.

ICMQ		
ATTESTATO DI QUALIFICA DELL'ALGORITMO DI CALCOLO <i>Qualification attestation for calculation algorithm</i>		
ATTESTATO N°	ATTESTATION N°	
	TOOL00068	
AZIENDA	COMPANY	
	Tierre Group S.p.A. Via dell'Industria, 18 - 20032 CORMANO (MI)	
OGGETTO DEL CERTIFICATO	SCOPE OF THE CERTIFICATE	
	Algoritmo di calcolo per realizzazione di LCA e EPD: <i>Calculation Algorithm for LCA and EPD</i> "TIERRE LCA-Tool" ver. 0.0 del 16/12/2025	
NORME DI RIFERIMENTO	REFERENCE STANDARDS	
	Regolamento EPDItaly, rev. 7.1 del 05/09/2025; Core PCR ICMQ2011/15 rev. 4 del 10/11/2025; ISO 14040; ISO 14044; ISO 14025; EN 15804+A2	
CAMPO DI APPLICAZIONE	SCOPE OF THE CERTIFICATE	
	Vedi allegato <i>See annex certificate</i>	
ESITO DELLA CERTIFICAZIONE	CERTIFICATION RESULTS	
	L'algoritmo di calcolo è idoneo ad eseguire le valutazioni LCA e la redazione di EPD nel campo di applicazione indicato. <i>The calculation algorithm is suitable for performing LCA evaluations and the preparation of the EPD in the given scope of certificate.</i>	
PRIMA EMISSIONE	EMISSIONE CORRENTE	SCADENZA
16/12/2025	16/12/2025	10/11/2030
 PRESIDENTE E DIRETTORE GENERALE LORENZO ORSENIKO		
1 of 2		
ICMQ Spa Società Benefit - Via G. De Castillia, 10 - 20124 Milano www.icmq.it		

ICMQ	
Allegato all'Attestato n TOOL00068 <i>Annex to the Attestation n. TOOL00068</i>	
CAMPO DI APPLICAZIONE DEL TOOL <i>TOOL SCOPE</i>	
TIPOLOGIA DI PRODOTTO: <i>Product type:</i> Raccordi in plastica per fibra ottica NET.Fit: <i>Plastic fittings for optical fiber NET.Fit</i> <i>quick-connect systems made of polymer or composite materials</i>	
UNITÀ PRODUTTIVE: <i>Production units:</i> Xingchai, Tianyuan, Cixi, Zhejiang, P.R. 315325 - China	
VETTORI ENERGETICI UTILIZZATI COME INPUT: <i>Input energy carriers:</i> • Energia elettrica • Gas naturale	
PRINCIPALI PROCESSI DI PRODUZIONE MODELLIZZATI: <i>Main production processes:</i> 1. Ricezione della materia prima: granuli polimerici e materiali compositi vengono stoccati per l'avvio della produzione. 2. Stampaggio a iniezione: le componenti plastiche vengono prodotte internamente tramite processi di injection molding, mentre altri elementi in gomma vulcanizzata o derivanti da lastra vengono ricavati con lavorazioni dedicate. 3. Eventuali lavorazioni di finitura: i pezzi stampati sono sottoposti a controlli qualitativi e, se necessario, a trattamenti secondari di rifinitura. 4. Assemblaggio: i componenti plastici vengono montati insieme ad altri elementi funzionali, dando origine ai raccordi completi. 5. Testing funzionale: vengono eseguiti test di verifica per garantire la conformità tecnica e prestazionale dei prodotti. 6. Imballaggio e spedizione: i prodotti finiti vengono confezionati e inviati al magazzino di Milano per la distribuzione.	
MODULI DEL CICLO DI VITA: A1-A3, C1-C4, D	
PARAMETRI AMBIENTALI AGGIUNTIVI: <i>Additional environmental parameters:</i> Nessuno <i>None</i>	
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ACCESSORIES



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ASSEMBLY INSTRUCTIONS



p. 30





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NET.Fit Gas Block Series

PRODUCTS

Double push-in system



p. 13 / **FXGB2P**

Single push-in system



p. 13 / **FXGB1P**

Compact single push-in system



p. 14 / **FXGB1P-BR**

ACCESSORIES

Safety locking clips



p. 15 / **FXLC**



NET.Fit Gas Block fittings and accessories have been designed by Tierre Group in order to be used for FTTx applications. NET.Fit Gas Block is manufactured in compliance with the EN 50411-2-8.

NET.Fit Gas Block products have been tested in order to simulate a 20-years lifetime.



-20°C ÷ +50°C



Working Pressure:

20 Bar

Short term blowing pressure (10'')

25 Bar

Burst pressure (all diameters):
>45 Bar



Air



Body: Transparent HP Polymer

Cartridge: Nickel Plated Brass

Collet: Techno Polymer

Seal: NBR

Lock Claw: Stainless Steel

Cable Seal: Silicone

Compression Nut: Techno Polymer

Back Ring: Techno Polymer

Locking Clip: Techno Polymer

EN 50411-2-8: Microduct connectors - specifications

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 only)

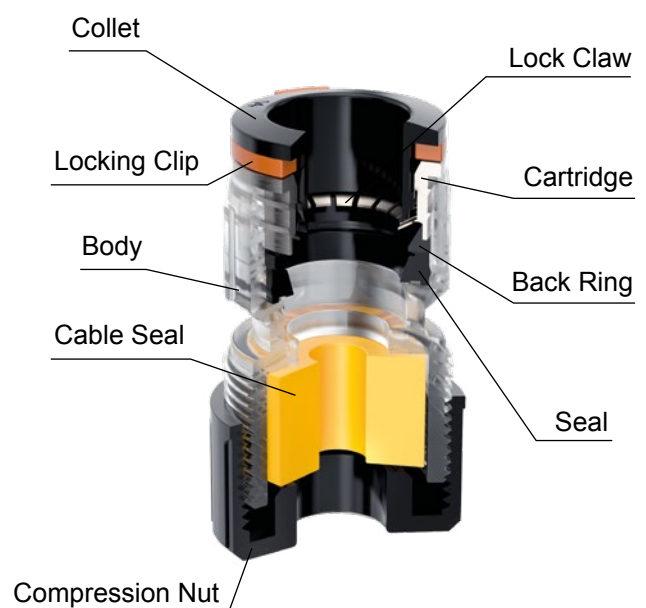
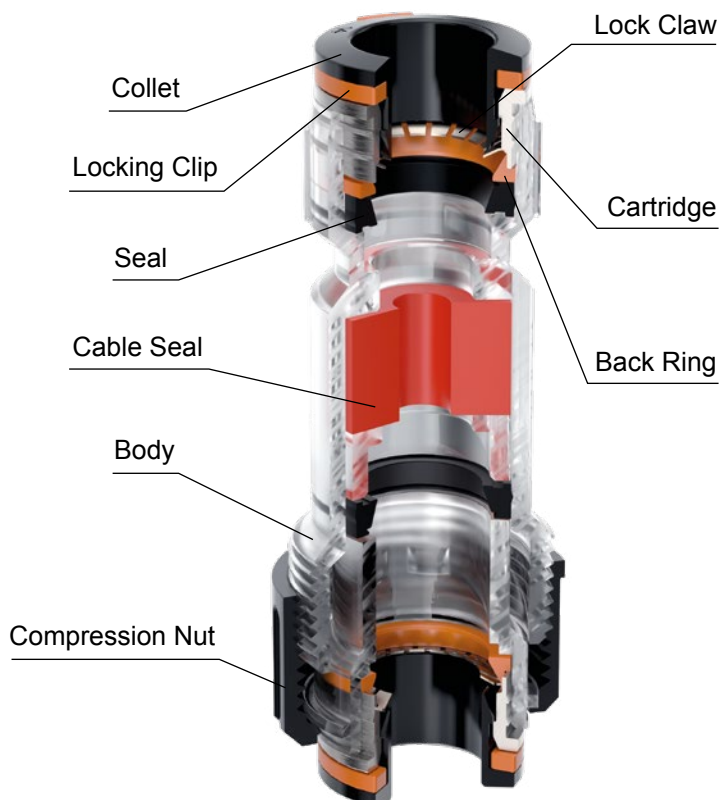


Products in compliance with the regulation EC 1907/2006



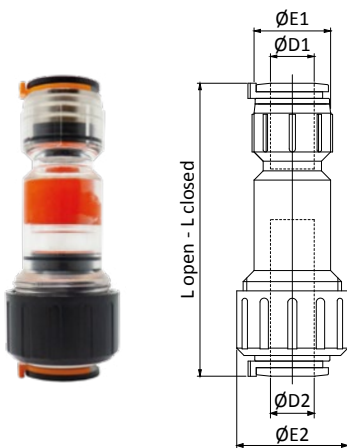
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



FXGB2P

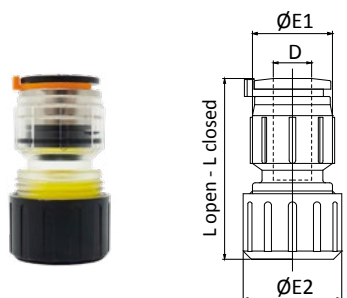
Gas Block double push-in system



CODE	ØD1 (mm)	ØD2 (mm)	ØE1 (mm)	ØE2 (mm)	FIBRE CABLE SIZE RANGE (mm)	CABLE SEAL COLOR	L open (mm)	L closed (mm)	BOX (pcs)	CARTON (pcs)
FXGB2P04-0,5/2,5-LC	4	4	11	17,5	0,5/2,5	BLUE	53	50	50	600
FXGB2P05-0,5/3,5-LC	5	5	13	20,5	0,5/3,5	BLUE	55,9	52,9	50	600
FXGB2P0705-0,5/3,5-LC	7	5	14,6	20,5	0,5/3,5	BLUE	58,6	55,6	50	600
FXGB2P07-0,5/3,5-LC	7	7	14,6	22,5	0,5/3,5	BLUE	66,8	63,8	25	300
FXGB2P07-3/5-LC	7	7	14,6	22,5	3/5	RED	66,8	63,8	25	300
FXGB2P0805-0,5/3,5-LC	8	5	14,6	20,5	0,5/3,5	BLUE	58,6	55,6	50	600
FXGB2P08-0,5/3,5-LC	8	8	14,6	22,5	0,5/3,5	BLUE	66,8	63,8	25	300
FXGB2P08-3/5-LC	8	8	14,6	22,5	3/5	RED	66,8	63,8	25	300
FXGB2P1007-2/4-LC	10	7	19	22,5	2/4	RED	70,2	67,2	25	300
FXGB2P10-0,5/3-LC	10	10	19	27	0,5/3	BLUE	75	71	20	240
FXGB2P10-3/6-LC	10	10	19	27	3/6	RED	75	71	20	240
FXGB2P10-6/8-LC	10	10	19	27	6/8	YELLOW	75	71	20	240
FXGB2P12-3/6-LC	12	12	21,5	30,5	3/6	RED	79,3	74,8	20	240
FXGB2P12-6/8-LC	12	12	21,5	30,5	6/8	YELLOW	79,3	74,8	20	240
FXGB2P12-8/10-LC	12	12	21,5	30,5	8/10	GREEN	79,3	74,8	20	240
FXGB2P14-3/6-LC	14	14	23	31,5	3/6	RED	82	77	15	180
FXGB2P14-6/8-LC	14	14	23	31,5	6/8	YELLOW	82	77	15	180
FXGB2P14-8/10-LC	14	14	23	31,5	8/10	GREEN	82	77	15	180
FXGB2P16-6/8-LC	16	16	26	35	6/8	YELLOW	89,4	82,4	10	120
FXGB2P16-8/10-LC	16	16	26	35	8/10	GREEN	89,4	82,4	10	120
FXGB2P16-10/12-LC	16	16	26	35	10/12	BLACK	89,4	82,4	10	120

FXGB1P

Gas Block single push-in system

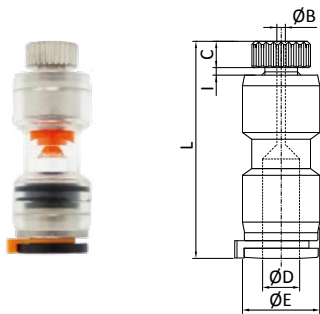


CODE	ØD (mm)	ØE1 (mm)	ØE2 (mm)	FIBRE CABLE SIZE RANGE (mm)	CABLE SEAL COLOR	L open (mm)	L closed (mm)	BOX (pcs)	CARTON (pcs)
FXGB1P05-0,5/3,5-LC	5	14,6	18	0,5/3,5	BLUE	35	32,5	100	1200
FXGB1P07-0,5/3,5-LC	7	14,6	18	0,5/3,5	BLUE	35,6	33,1	100	1200
FXGB1P07-2,6/4-LC	7	14,6	18	2,6/4	RED	35,6	33,1	100	1200
FXGB1P07-3/5-LC	7	14,6	18	3/5	RED	35,6	33,1	100	1200
FXGB1P08-0,5/3,5-LC	8	14,6	18	0,5/3,5	BLUE	35,6	33,1	100	1200
FXGB1P10-0,5/3-LC	10	19	22,5	0,5/3	BLUE	42,5	38,5	25	300
FXGB1P10-3/6-LC	10	19	22,5	3/6	RED	42,5	38,5	25	300
FXGB1P10-6/8-LC	10	19	22,5	6/8	YELLOW	42,5	38,5	25	300
FXGB1P12-3/6-LC	12	21,5	25	3/6	RED	46,7	42,2	25	300
FXGB1P12-6/8-LC	12	21,5	25	6/8	YELLOW	46,7	42,2	25	300
FXGB1P12-8/10-LC	12	21,5	25	8/10	GREEN	46,7	42,2	25	300
FXGB1P14-3/6-LC	14	23	27	3/6	RED	47,7	42,7	25	300
FXGB1P14-6/8-LC	14	23	27	6/8	YELLOW	47,7	42,7	25	300
FXGB1P14-8/10-LC	14	23	27	8/10	GREEN	47,7	42,7	25	300
FXGB1P16-6/8-LC	16	26	30	6/8	YELLOW	55,2	48,2	20	240
FXGB1P16-8/10-LC	16	26	30	8/10	GREEN	55,2	48,2	20	240
FXGB1P16-10/12-LC	16	26	30	10/12	BLACK	55,2	48,2	20	240



FXGB1P-BR

Gas Block compact single push-in system with brass compression nut

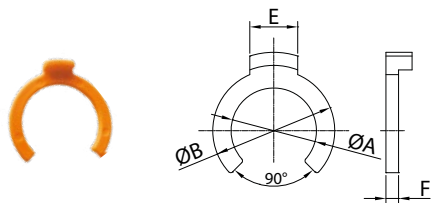


CODE	ØD (mm)	ØE (mm)	ØB (mm)	I (mm)	C (mm)	L (mm)	FIBRE CABLE SIZE RANGE (mm)	CABLE SEAL COLOR	BOX (pcs)	CARTON (pcs)
FXGB1P05-0,5/1,5-BR-LC	5	13	2	2	4	36,9	1,5	RED	50	600



FXLC

Safety locking clips



CODE	ØA (mm)	ØB (mm)	E (mm)	F (mm)	BAG (pcs)
FXLC03/04	5,6	10	5,5	1	2000
FXLC05	6,9	12	5,5	0,8	2000
FXLC06	7,9	12	5,5	0,8	2000
FXLC07	8,8	14	5,5	1,4	2000
FXLC08	9,8	14	5,5	1,45	2000
FXLC10	12	17,5	6	1,8	1000
FXLC12	14,9	20	6	1,5	1000
FXLC14	16,3	22	6	1,95	500
FXLC15/16	18,3	24,5	6	2	500





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Evolution NET.Fit Gas Block Series

PRODUCTS

Single push-in system



p. 19 / **EFXGB1P**



Evolution NET.Fit Gas Block fittings and accessories have been designed by Tierre Group in order to be used for FTTx applications. Evolution NET.Fit Gas Block is manufactured in compliance with the EN 50411-2-8.

Evolution NET.Fit Gas Block products have been tested in order to simulate a 20-years lifetime.



-20 °C ÷ +50 °C



Working Pressure:

15 Bar

Short term blowing pressure (10''):

25 Bar

Burst pressure (all diameters):
accordingly to EN50411-2-8



Air



Body: Transparent HP Polymer

Cartridge: Techno Polymer

Collet: Techno Polymer

Seal: NBR

Lock Claw: Stainless Steel

Cable Seal: Silicone

Compression Nut: Techno Polymer

Back ring: Techno Polymer

Tamper-Proof Locking Clip:
Techno Polymer

EN 50411-2-8: Microduct connectors - specifications

EN 61300-2-1: Vibration (sinusoidal)

EN 61300-2-4: Microduct Retention

EN 61300-2-37: Microduct Bending

EN 61300-2-5: Torsion / Twist

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

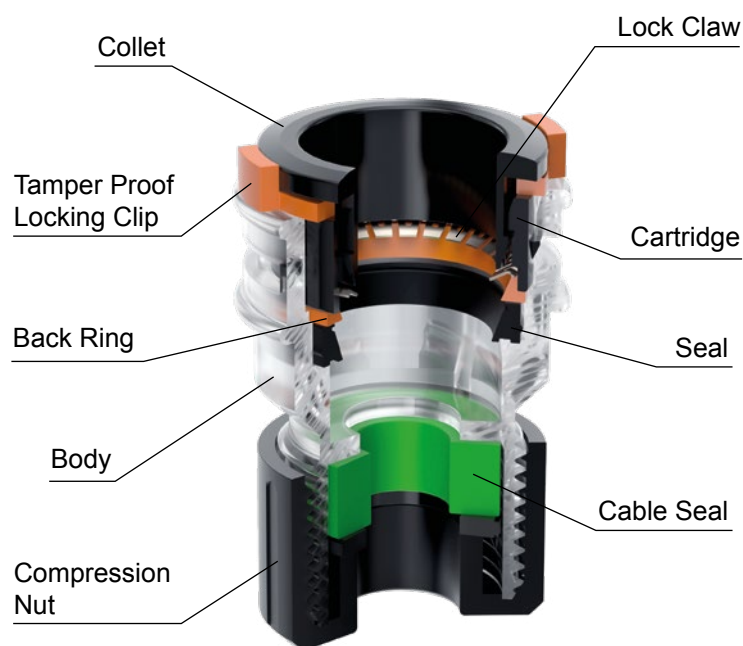


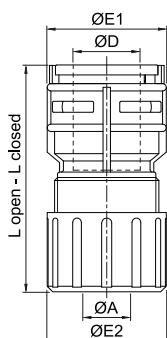
Products in compliance with the regulation EC 1907/2006



Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



EFXGB1P**Evolution Gas Block single push-in system**

CODE	ØD (mm)	ØE1 (mm)	ØE2 (mm)	ØA (mm)	FIBRE CABLE SIZE RANGE (mm)	CABLE SEAL COLOR	L open (mm)	L closed (mm)	BAG (pcs)	CARTON (pcs)
EFXGB1P18-6/8	18	32	30	12,5	6/8	YELLOW	58	51	50	300
EFXGB1P18-8/10	18	32	30	12,5	8/10	GREEN	58	51	50	300
EFXGB1P18-9/12	18	32	30	12,5	9/12	BLACK	58	51	50	300
EFXGB1P20-5/10	20	34	30	12,5	5/10	GREEN	59,5	52,5	50	250





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Evo2.0 NET.Fit Gas Block Series

PRODUCTS

Double push-in system



p. 23 / **EV2GB2P**



Evo 2.0 Gas Block fittings and accessories have been designed by Tierre Group in order to be used for FTTx applications. Evo 2.0 Gas Block is manufactured in compliance with the EN 50411-2-8.

Evo 2.0 Gas Block products have been tested in order to simulate a 20-years lifetime.



-20 °C ÷ +50 °C



Working Pressure:

20 Bar

Short term blowing pressure (10''):

25 Bar

Burst pressure (all diameters):

>45 Bar

Min. granted cable sealing performance:

0,5 Bar



Air



Body: Transparent HP Polymer

Cartridge: Techno Polymer

Collet: Techno Polymer

Seal: NBR

Lock Claw: Stainless Steel

Cable Seal: Silicone

Compression Nut: Techno Polymer

Back Ring: Techno Polymer

Locking Clip: Techno Polymer

EN 50411-2-8: Microduct connectors - specifications

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



Products in compliance with the regulation EC 1907/2006



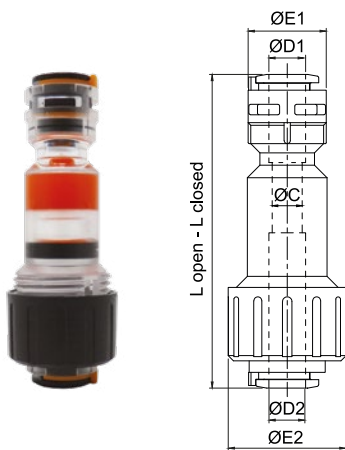
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



EV2GB2P

Evo2.0 Gas Block double push-in system



CODE	ØD1 (mm)	ØD2 (mm)	ØE1 (mm)	ØE2 (mm)	ØC (mm)	FIBRE CABLE SIZE RANGE (mm)	CABLE SEAL COLOR	L open (mm)	L closed (mm)	BAG (pcs)	CARTON (pcs)
EV2GB2P0503-0,5/2,5	5	3	14,2	18,5	2,5	0,5/2,5	BLUE	57	54	100	300
EV2GB2P05-0,5/3,5	5	5	14,2	20,5	3,5	0,5/3,5	BLUE	59,1	55,1	100	300
EV2GB2P06-0,5/3,5	6	6	14,2	20,5	3,5	0,5/3,5	BLUE	59,1	55,1	100	300
EV2GB2P07-0,5/5,5	7	7	14,9	22,5	5,7	0,5/5,5	RED	64,3	60,3	100	300
EV2GB2P1007-0,5/5,5	10	7	18,5	22,5	5,7	0,5/5,5	RED	66,3	62,3	100	300
EV2GB2P10-0,5/6	10	10	18,5	27	8,2	0,5/6	RED	71,7	66,7	100	300
EV2GB2P10-6/8	10	10	18,5	27	8,2	6/8	YELLOW	71,7	66,7	100	300
EV2GB2P14-0,5/6	14	14	24,9	33,5	10,5	0,5/6	RED	82,2	76,2	50	150
EV2GB2P14-6/10	14	14	24,9	33,5	10,5	6/10	GREEN	82,2	76,2	50	150





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EGB
NET.Fit Series

PRODUCTS

Easy Gas Block
end stop



p. 27 / **EGB**



EGB Gas Block fittings and accessories have been designed by Tierre Group in order to be used for FTTx applications. EGB Gas Block is manufactured in compliance with the EN 50411-2-8, it is the efficient & cost saving solution for blowing optical fibre cables.

EGB Gas Block products have been tested in order to simulate a 20-years lifetime.



-20°C ÷ +50°C



Minimum granted cable sealing performance:

0,5 Bar

Tensile resistance (duct):

>20 N



Air



Body: Transparent HP Polymer

Cable Seal: TPE

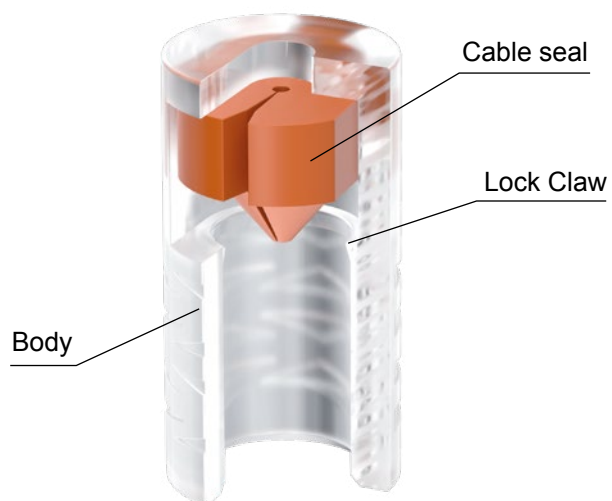


Products in compliance with the regulation EC 1907/2006



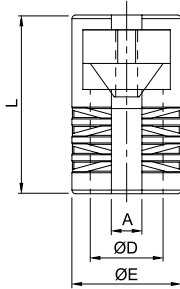
Products in compliance with the directive EU 2015/863

CONSTRUCTION DETAILS



EGB

Easy gas Blocks end stop



CODE	ØD (mm)	FIBRE CABLE SIZE RANGE (mm)	ØE (mm)	A (mm)	CABLE SEAL COLOR	L (mm)	BAG (pcs)	CARTON (pcs)
EGB07-0,8/1,1	7	0,8/1,1	11	3,1	PURPLE	21	100	5000
EGB07-1,2/1,5	7	1,2/1,5	11	3,1	RED	21	100	5000
EGB07-1,6/1,8	7	1,6/1,8	11	3,1	GREEN	21	100	5000
EGB07-1,9/2,2	7	1,9/2,2	11	3,1	BLUE	21	100	5000
EGB07-2,3/3	7	2,3/3	11	3,1	YELLOW	21	100	5000
EGB10-2/2,3	10	2/2,3	15	4,1	BLUE	24	100	2000
EGB10-2,4/2,8	10	2,4/2,8	15	4,1	YELLOW	24	100	2000
EGB10-2,9/3,4	10	2,9/3,4	15	4,1	ORANGE	24	100	2000
EGB10-3,5/4	10	3,5/4	15	4,1	BROWN	24	100	2000

	CABLE SIZE																																					
CODE DUCT ODxID	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,6	1,7	1,8	1,9	2,0	2,1	2,2	2,3	2,4	2,5	2,6	2,7	2,8	2,9	3,0	3,1	3,2	3,3	3,4	3,5	3,6	3,7	3,8	3,9	4,0					
EGB07-0,8/1,1																																						
7x3	✓	✓	✓	✓																																		
7x4	✓	✓	✓	✓																																		
7x5	✗	✓	✓	✓																																		
7x5,5	✗	✓	✓	✓																																		
EGB07-1,2/1,5																																						
7x3					✓	✓	✓	✓																														
7x4					✓	✓	✓	✓																														
7x5					✓	✓	✓	✓																														
7x5,5					✓	✓	✓	✓																														
EGB07-1,6/1,8																																						
7x3									✓	✓	✓																											
7x4									✓	✓	✓																											
7x5									✓	✓	✓																											
7x5,5									✓	✓	✓																											
EGB07-1,9/2,2																																						
7x3												✓	✓	✓	✓																							
7x4												✓	✓	✓	✓																							
7x5												✓	✓	✓	✓																							
7x5,5												✓	✓	✓	✓																							
EGB07-2,3/3																																						
7x3																✓	✓	✓	✗	✗	✗	✗	✗															
7x4																✓	✓	✓	✓	✓	✓	✓	✓															
7x5																✓	✓	✓	✓	✓	✓	✓	✓															
7x5,5																✓	✓	✓	✓	✓	✓	✓	✓															
EGB10-2/2,3																																						
10x6												✓	✓	✓	✓																							
EGB10-2,4/2,8																																						
10x6																	✓	✓	✓	✓	✓																	
EGB10-2,9/3,4																																						
10x6																							✓	✓	✓	✓	✓	✓										
EGB10-3,5/4																																						
10x6																																						





Connecting fast. Connecting better.



NET.Fit Accessories

PZ-G

Metal tube cutter



CODE	MAX Ø (mm)	BLADE	Q.TY
PZ-G	28	Steel	1

LM-G

Spare blade for PZ-G



CODE	Q.TY
LM-G	1

TT16

Plastic tube cutter



CODE	MAX Ø (mm)	Q.TY
TT16	16	1





Connecting fast. Connecting better.



Assembly Instructions

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Gas Block **ASSEMBLY INSTRUCTIONS**



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 Evo2.0 NET.Fit®
Gas Block **ASSEMBLY INSTRUCTIONS**



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 NET.Fit®
Easy Gas Block **ASSEMBLY INSTRUCTIONS**



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NET.FIT GAS BLOCK - ASSEMBLY INSTRUCTIONS



We recommend the installer to read and follow all the instructions, precautions and warnings contained in this document before using the products in pressurized systems. Failure to follow all instructions, precautions and warnings may result in bodily harm or property damage. Tierre Group disclaims any responsibility in the case of damages for mis-use of the products.



Make sure that the Microduct external size and the push-in system size of the Gas Block Connector are the same. Check the external diameter of the Microduct (maximum allowed tolerance $\pm 0,1$ mm). The part of the Microduct that has to be inserted into the Gas Block Connector must be round. The Microduct must be cut square (90° angle) for the part that has to be inserted into the Gas Block Connector, and using the correct tube cutter (PZ-G or TT-16). When necessary, deburr and break off sharp edges of the Microduct end to be inserted into the Gas Block Connector using the correct tool. Make sure that the Microduct used is clean and does not contain any scratches, cracks, cuts or deformities on its surface. Avoid the inlet foreign material into the Gas Block Connector and/or Microduct before and during the installation. Always insert the Microduct correctly aligned with the Gas Block Connector, to ensure the correct assembly.



Make sure that the Microduct is correctly and fully inserted. The transparent body of the Gas Block Connector allows a visual inspection of the correct and full insertion of the Microduct. The insertion of the Microduct into the Gas Block Connector requires a moderate force. The Microduct and the Gas Block Connector seal should not be scratched or damaged during the insertion, otherwise there may be leaks or further mis-functioning. Please, connect the Microduct by hand, without using any kind of tool.



To make sure that the Microduct is properly connected to the Gas Block Connector, please pull it once slightly, without releasing the collet.



If the Gas Block Connector is not pre-fitted with the locking clip or it has been removed, please insert the correct locking clip of the correct dimension after connecting the Microduct. The insertion of the locking clip between the Gas Block Connector main body and the collet avoids any possible Microduct accidental disconnection.



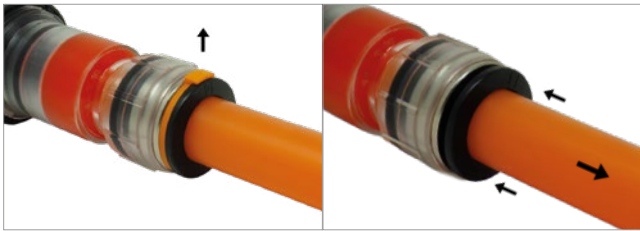
Before the optical fibre cable installation, the Gas Block Connector nut must be completely unscrewed (Open Position). In that position the system is not sealed and the cable can pass through the Gas Block Connector freely.



The Gas Block Connector nut has a mechanical stop to confirm when completely open. Do not force the nut beyond the fully open position to avoid any possible damage to the connector. The nut must be screwed and unscrewed by hand only.



After the cable installation, in order to seal the system and to obtain Gas and Water Block, the nut must be screwed firmly (Closed Position). Do not pull the cable when the Gas Block Connector is in the closed position to prevent possible damage to the gas seal.



In order to disconnect the Microduct from the Gas Block Connector, make sure that the pressure has been completely eliminated from the system before any operation.

Remove the locking clip first, then push the collet in the direction of the body of the Gas Block Connector and pull the Microduct keeping the collet pushed against the Gas Block Connector body in order to disconnect the Microduct.

Gas Blocks Connectors can be reused providing that they are not damaged and correctly working. It is possible to reuse them, but only in case of maintenance. The reuse must be verified and the correct functioning of the whole system has to be carefully checked by the operator. In the case of reuse of a Microduct, the part previously inserted into the Gas Block Connector has to be cut back and the whole line has to be re-verified. It is necessary to follow all the instructions as a precaution, in the same way as the first insertion of the Microduct.

In case of use with lubricants, it is responsibility of the user/customer to previously check the chemical compatibility of the fluid with the construction materials of the Gas Block Connector. Please, contact our technical department if you would like to receive information regarding suggested lubricants.

Do not disassemble or modify the individual products as this may cause product malfunctions, leaks or failure. In any case the tampering, modifications or dismantling of the products invalidates the guarantee.

Do not over-stress the products by rotation, twist, bending, shock, fatigue or other excessive forces. This may damage the fittings and cause malfunctions, leaks or failure. The performance limits of the Gas Block Connector are detailed the NET.Fit catalogues and must be respected during the installation. Do not use the products where ambient temperature and/or fluid temperature and pressure may exceed the limits indicated in our catalogue.

Never press collets towards the body unless you need to separate the Microducts from the Gas Block Connector in an unpressurized line. Please, follow the instructions above.

Tierre Group reserves the right to modify the products from time-to-time when required by quality improvements and by market requirements. The actual products may differ from the pictures and drawings shown in the catalogue.

We recommend to only use NET.Fit accessories when assembling Gas Block Connectors. Using non recommended products could invalidate the guarantee. The customer is responsible for checking the performance of the products after the installation.

While connecting the Microduct, please make sure that it is correctly inserted into the correct Gas Block Connector seat. Please, note that the Microduct may be gripped even if it is not completely inserted into the seat. A Microduct that is not fully inserted may cause failures and leakages. In this case push the Microduct further into the Gas Block Connector in order to be certain that it is completely inserted and check visually to ensure it is in the correct position.





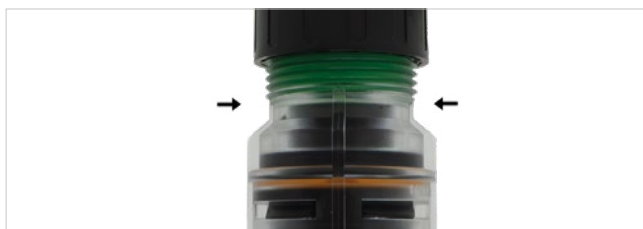
EVOLUTION NET.FIT GAS BLOCK - ASSEMBLY INSTRUCTIONS



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Make sure that the Microduct external size and the push-in system size of the Evolution NET.Fit Gas Block are the same. Check the external diameter of the Microduct (maximum allowed tolerance $\pm 0,1$ mm). The part of the Microduct that has to be inserted into the Evolution NET.Fit Gas Block must be round. The Microduct must be cut square (90° angle) for the part that has to be inserted into the Evolution NET.Fit Gas Block, and using the correct tube cutter (PZ-G or TT-16). When necessary, deburr and break off sharp edges of the Microduct end to be inserted into the Evolution NET.Fit Gas Block using the correct tool. Make sure that the Microduct used is clean and does not contain any scratches, cracks, cuts or deformities on its surface. Avoid the inlet foreign material into the Evolution NET.Fit Gas Block and/or Microduct before and during the installation. Always insert the Microduct correctly aligned with the Evolution NET.Fit Gas Block, to ensure the correct assembly.



Make sure that the Microduct is correctly and fully inserted. The transparent body of the Evolution NET.Fit Gas Block allows a visual inspection of the correct and full insertion of the Microduct. The insertion of the Microduct into the Evolution NET.Fit Gas Block requires a moderate force. The Microduct and the Evolution NET.Fit Gas Block seal should not be scratched or damaged during the insertion, otherwise there may be leaks or further mis-functioning. Please, connect the Microduct by hand, without using any kind of tool.



To make sure that the Microduct is properly connected to the Evolution NET.Fit Gas Block, please pull it once slightly, without releasing the collet.



The Evolution NET.Fit Gas Block products are pre-fitted with tamper proof locking clips as standard. If they have been removed, please replace with the correct locking clip after connecting the Microduct. The insertion of the locking clip between the Connector main body and the collet avoids any possible Microduct accidental disconnection.



Before the optical fibre cable installation, the Evolution NET.Fit Gas Block nut must be unscrewed (Open Position) so that the internal seal bore stay at its maximum diameter. In that position the system is not sealed and the cable can pass through the Evolution NET.Fit Gas Block freely.



When unscrewing the Evolution NET.Fit Gas Block nut, take care of not unscrewing it completely in order to avoid the loss of any part of the Evolution NET.Fit Gas Block. The nut must be screwed and unscrewed by hand only.



After the cable installation, in order to seal the system and to obtain Gas and Water Block, the nut must be screwed firmly (Closed Position). Do not pull the cable when the Evolution NET.Fit Gas Block is in the closed position to prevent possible damage to the gas seal.



In order to disconnect the Microduct from the Evolution NET.Fit Gas Block, make sure that the pressure has been completely eliminated from the system before any operation.

Remove the locking clip first (if it is the first time the locking clip is removed, a small part of it will be broken in order to identify the removal), then push the collet in the direction of the body of the Connector and pull the Microduct keeping the collet pushed against the Connector body in order to disconnect the Microduct.

Evolution NET.Fit Gas Block can be reused providing that they are not damaged and correctly working. It is possible to reuse them, but only in case of maintenance. The reuse must be verified and the correct functioning of the whole system has to be carefully checked by the operator. In the case of reuse of a Microduct, the part previously inserted into the Evolution NET.Fit Gas Block has to be cut back and the whole line has to be re-verified. It is necessary to follow all the instructions as a precaution, in the same way as the first insertion of the Microduct.

In case of use with lubricants, it is responsibility of the user/customer to previously check the chemical compatibility of the fluid with the construction materials of the Evolution NET.Fit Gas Block. Please, contact our technical department if you would like to receive information regarding suggested lubricants.

Do not disassemble or modify the individual products as this may cause product malfunctions, leaks or failure. In any case the tampering, modifications or dismantling of the products invalidates the guarantee.

Do not over-stress the products by rotation, twist, bending, shock, fatigue or other excessive forces. This may damage the fittings and cause malfunctions, leaks or failure. The performance limits of the Evolution NET.Fit Gas Block are detailed the NET.Fit catalogues and must be respected during the installation. Do not use the products where ambient temperature and/or fluid temperature and pressure may exceed the limits indicated in our catalogue.

Never press collets towards the body unless you need to separate the Microducts from the Evolution NET.Fit Gas Block in an unpressurized line. Please, follow the instructions above.

Tierre Group reserves the right to modify the products from time-to-time when required by quality improvements and by market requirements. The actual products may differ from the pictures and drawings shown in the catalogue.

We recommend to only use NET.Fit accessories when assembling Evolution NET.Fit Gas Block. Using non recommended products could invalidate the guarantee. The customer is responsible for checking the performance of the products after the installation.

While connecting the Microduct, please make sure that it is correctly inserted into the correct Evolution NET.Fit Gas Block seat. Please, note that the Microduct may be gripped even if it is not completely inserted into the seat. A Microduct that is not fully inserted may cause failures and leakages. In this case push the Microduct further into the Evolution NET.Fit Gas Block in order to be certain that it is completely inserted and check visually to ensure it is in the correct position.





We recommend the installer to read and follow all the instructions, precautions and warnings contained in this document before using the products in pressurized systems. Failure to follow all instructions, precautions and warnings may result in bodily harm or property damage. Tierre Group disclaims any responsibility in the case of damages for mis-use of the products.



Make sure that the Microduct external size and the push-in system size of the Evo2.0 NET.Fit Gas Block are the same. Check the external diameter of the Microduct (maximum allowed tolerance $\pm 0,1$ mm). The part of the Microduct that has to be inserted into the Evo2.0 NET.Fit Gas Block must be round. The Microduct must be cut square (90° angle) for the part that has to be inserted into the Evo2.0 NET.Fit Gas Block, and using the correct tube cutter (PZ-G or TT-16). When necessary, deburr and break off sharp edges of the Microduct end to be inserted into the Evo2.0 NET.Fit Gas Block using the correct tool. Make sure that the Microduct used is clean and does not contain any scratches, cracks, cuts or deformities on its surface. Avoid the inlet foreign material into the Evo2.0 NET.Fit Gas Block and/or Microduct before and during the installation. Always insert the Microduct correctly aligned with the Evo2.0 NET.Fit Gas Block, to ensure the correct assembly.



Make sure that the Microduct is correctly and fully inserted. The transparent body of the Evo2.0 NET.Fit Gas Block allows a visual inspection of the correct and full insertion of the Microduct. The insertion of the Microduct into the Evo2.0 NET.Fit Gas Block requires a moderate force. The Microduct and the Evo2.0 NET.Fit Gas Block seal should not be scratched or damaged during the insertion, otherwise there may be leaks or further mis-functioning. Please, connect the Microduct by hand, without using any kind of tool.



To make sure that the Microduct is properly connected to the Evo2.0 NET.Fit Gas Block, please pull it once slightly, without releasing the collet.



If the Evo2.0 NET.Fit Gas Block is not pre-fitted with the locking clip or it has been removed, please insert the correct locking clip of the correct dimension after connecting the Microduct. The insertion of the locking clip between the Evo2.0 NET.Fit Gas Block main body and the collet avoids any possible Microduct accidental disconnection.



Before the optical fibre cable installation, the Evo2.0 NET.Fit Gas Block nut must be completely unscrewed (Open Position). In that position the system is not sealed and the cable can pass through the Evo2.0 NET.Fit Gas Block freely.

The Evo2.0 NET.Fit Gas Block nut has a mechanical stop to confirm when completely open. Do not force the nut beyond the fully open position to avoid any possible damage to the connector. The nut must be screwed and unscrewed by hand only.



After the cable installation, in order to seal the system and to obtain Gas and Water Block, the nut must be screwed firmly (Closed Position). Do not pull the cable when the Evo2.0 NET.Fit Gas Block is in the closed position to prevent possible damage to the gas seal.



In order to disconnect the Microduct from the Evo2.0 NET.Fit Gas Block, make sure that the pressure has been completely eliminated from the system before any operation.

Remove the locking clip first, then push the collet in the direction of the body of the Evo2.0 NET.Fit Gas Block and pull the Microduct keeping the collet pushed against the Evo2.0 NET.Fit Gas Block body in order to disconnect the Microduct.

Evo2.0 NET.Fit Gas Block can be reused providing that they are not damaged and correctly working. It is possible to reuse them, but only in case of maintenance. The reuse must be verified and the correct functioning of the whole system has to be carefully checked by the operator. In the case of reuse of a Microduct, the part previously inserted into the Evo2.0 NET.Fit Gas Block has to be cut back and the whole line has to be re-verified. It is necessary to follow all the instructions as a precaution, in the same way as the first insertion of the Microduct.

In case of use with lubricants, it is responsibility of the user/customer to previously check the chemical compatibility of the fluid with the construction materials of the Evo2.0 NET.Fit Gas Block. Please, contact our technical department if you would like to receive information regarding suggested lubricants.

Do not disassemble or modify the individual products as this may cause product malfunctions, leaks or failure. In any case the tampering, modifications or dismantling of the products invalidates the guarantee.

Do not over-stress the products by rotation, twist, bending, shock, fatigue or other excessive forces. This may damage the fittings and cause malfunctions, leaks or failure. The performance limits of the Evo2.0 NET.Fit Gas Block are detailed the NET.Fit catalogues and must be respected during the installation. Do not use the products where ambient temperature and/or fluid temperature and pressure may exceed the limits indicated in our catalogue.

Never press collets towards the body unless you need to separate the Microducts from the Evo2.0 NET.Fit Gas Block in an unpressurized line. Please, follow the instructions above.

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We recommend to only use NET.Fit accessories when assembling Evo2.0 NET.Fit Gas Block. Using non recommended products could invalidate the guarantee. The customer is responsible for checking the performance of the products after the installation.

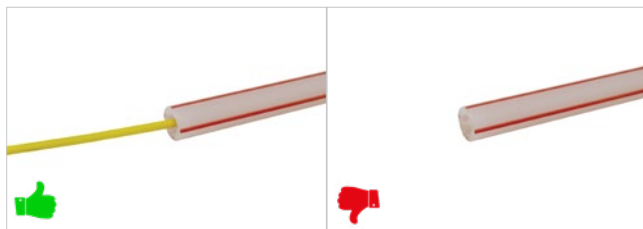
While connecting the Microduct, please make sure that it is correctly inserted into the correct Evo2.0 NET.Fit Gas Block seat. Please, note that the Microduct may be gripped even if it is not completely inserted into the seat. A Microduct that is not fully inserted may cause failures and leakages. In this case push the Microduct further into the Evo2.0 NET.Fit Gas Block in order to be certain that it is completely inserted and check visually to ensure it is in the correct position.





NET.FIT EGB - ASSEMBLY INSTRUCTIONS

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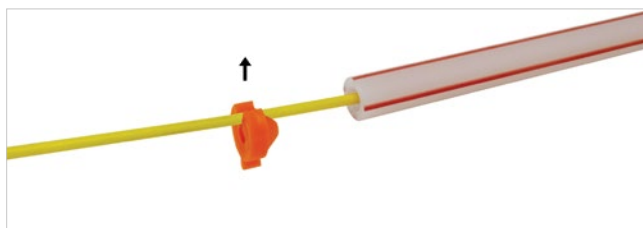


Easy Gas Blocks are suitable for installation when the optical fibre cable is already inserted into the microduct. Do not try to use them when the duct is empty and when the fibre is not already fully blown.

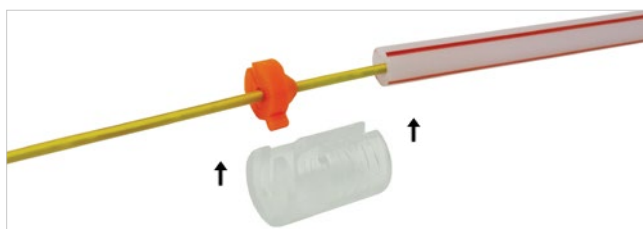


Always check that the product is the correct one related to the duct diameter (OD/ID) and cable diameter.

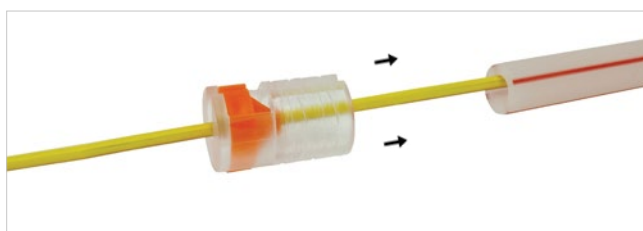
Before installing the Easy Gas Block, please, provide to check that the microduct has been cut squared and that both the microduct and the fibre cable are clean and do not present any damage, scratch, crack, cut or deformity on their surfaces.



Install the proper seal first, with the conical side in the tube direction, then insert it into the Easy Gas Block main body providing that the pin located in the opposite side of the seal cut will pass through the main body hole.



Push the main body onto the duct taking care that the cone of the seal will go into the space between the fibre cable and the microduct internal bore.



Compress the main body as much as possible against the microduct.



Please, do not try to remove the Easy Gas Block when inserted. It will potentially ruin the microduct surface.





NOTES



A series of horizontal lines for writing notes, alternating between white and light gray background bands.





Tierre Group S.p.a.

via dell'Industria, 18 - 20032 Cormano (MI)
Tel. +39 02 663088.1 - Fax +39 02 66304172
www.tierregroup.com - info@tierregroup.com
C.F. e P.IVA 12437570158
Cap. Soc. Euro 2.000.000,00 i.v. - REA MI-1558390



Tierre Group Corp

One Edgewater Street, Suite 101
Staten Island, NY 10305
Tel. +1 347 265 3290
www.tierregroup.com - sales.usa@tierregroup.com