

Manual Tehnic



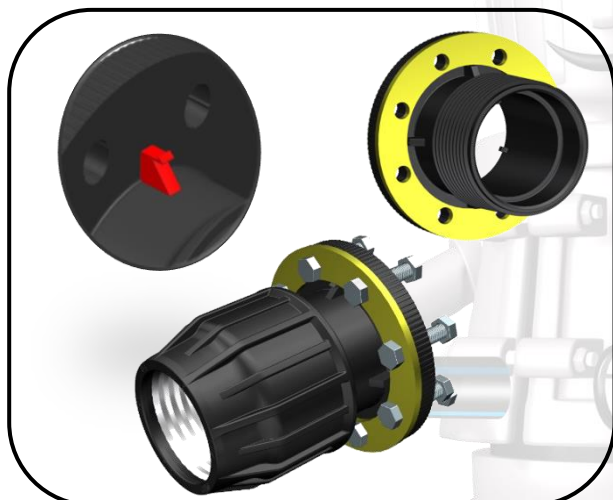
ADAPTOR FLANȘĂ ELYSEE

Elysee offers a complete range of mechanical compression fittings designed for conveyance of fluids, gaseous fuels, compressed air, chemical solutions and slurries under high pressure. Our flanged adaptor fittings comply with all relevant international standards in terms of dimensions and mechanical properties.

UNIQUE FEATURES

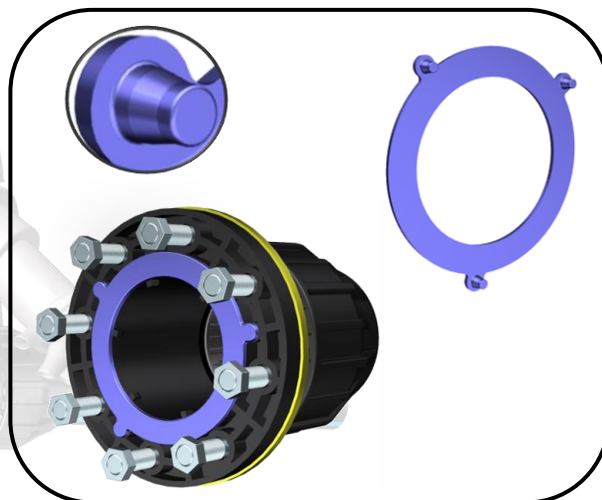
In order to tie everything together (gasket, backing ring, body), Elysee has produced an ergonomic design which allows the installation of flanged adaptors by a single person.

1. Centering Alignment Nerves



The nerves have been adjusted for the auto-alignment of backing ring at the center of flanged adaptor.

2. Fixed Constraint Gasket



The design of the novel gasket allows a fixed connection with adaptor, which ensures its retention during installation.

QUALITY MANAGEMENT

Elysee quality system, ISO 9001:2008, is approved by CCC and IQNet. The complete range of mechanical compression fittings of Elysee Irrigation have been tested and approved by all leading certification bodies, including DVGW (D), KIWA (NL), WRAS (GB), BV (AUS) and many others worldwide. Furthermore, Elysee fittings are honored with product certifications on all related standards such as ISO 17885, EN 12201, DIN 8076 and AS/ NZS 4129.

EFFECT ON WATER

Elysee fittings fully conform to international hygiene and sanitary requirements specified by standards such as BS6920 (UK), KTW (DE) and AUS/NZ 4020 (AUS).

DIMENSIONS AND CHARACTERISTICS

Our fittings comply with the dimensional requirements and characteristics of the following standards:

- ISO 17885, EN 1092 and adequate Standards

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Flanged adaptors are suitable for working pressures up to 16 bar @ 20°C.

APPLICATION FIELDS

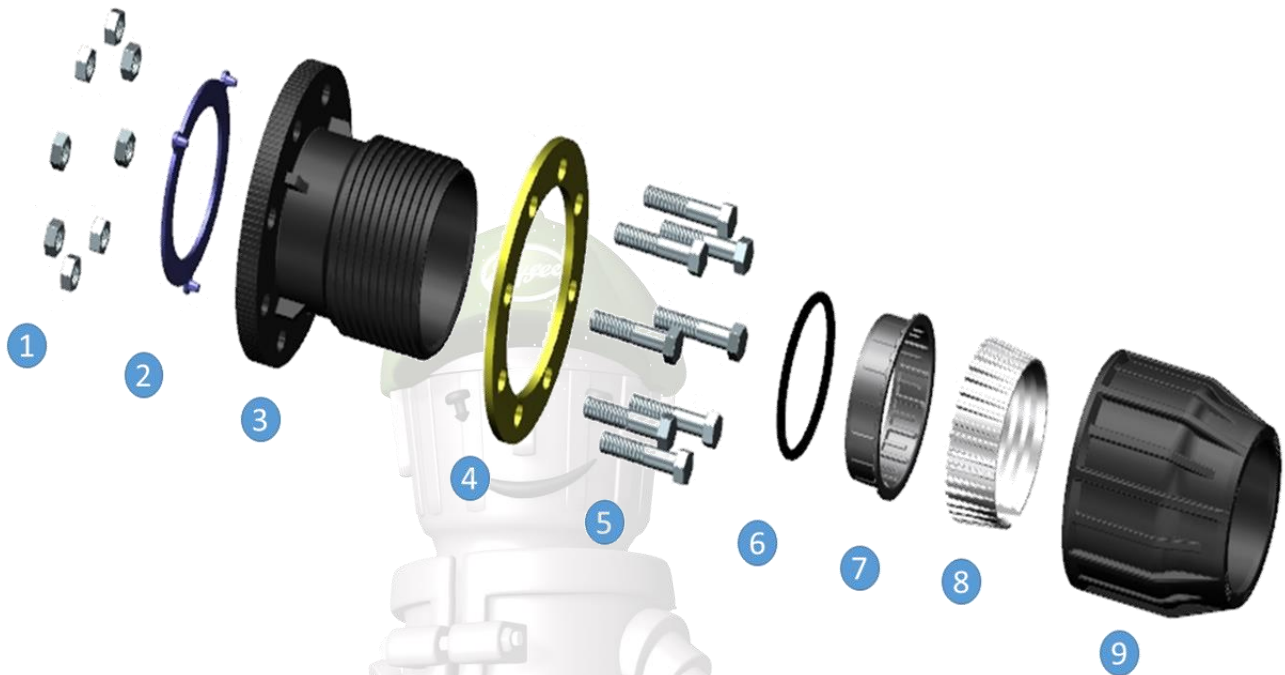
Our fittings are suitable for joining high and low density polyethylene pipes conforming to:

- EN 12201 and adequate Standards

TESTING OF FITTINGS

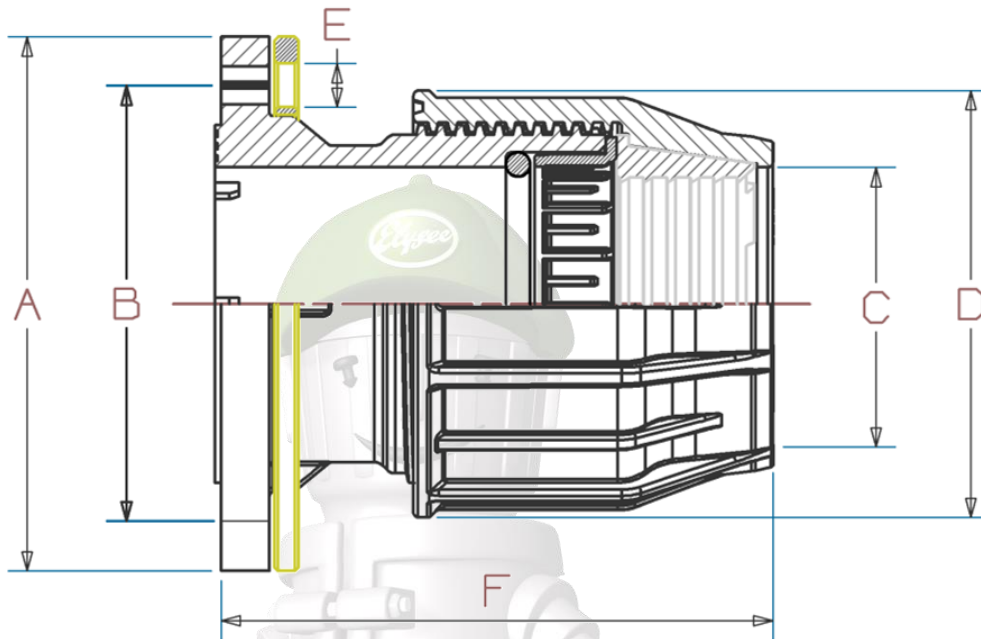
- Testing of raw material (MRS value)
- Internal pressure test of fitting body
- Pull-out test of fittings connected with PE-pipes
- Internal pressure test of fitting fixed with PE-pipes
- Leak tightness against low pressure
- Leak tightness under bending
- Melt mass-flow rate (MFR)
- Hygienic testing of fitting's body and sealing ring

Material și componente



- (1) **METAL HEX NUTS** - Stainless or galvanized steel made, available on several diameters and thickness for the optimum fit on each size of flange.
- (2) **SPECIAL GASKET** - Mechanical joint type that create a static seal between two stationary members of assembly and maintain seal under operating conditions, which may vary dependent upon changes in pressures and temperatures.
- (3) **BODY** – Major and most important component of the fitting system. It can be shaped in several dimensions and configurations to satisfy the requirements and arrangements of fluid’s direction. It has a snagging arrangement internally to position the O-ring and insert, ensuring leak tightness when assembled with a pipe. A male trapezoidal thread is used externally to join the body with the nut. The body is made with black high performance polypropylene copolymer PP-B.
- (4) **BACKING RING** - Stainless steel made ring, which ensures high strength and pressure resistance.
- (5) **BOLTS** – Constitute a fundamental part of the adaptor in order to enhance restraint performance.
- (6) **O-RING** – Ensures leak tightness between the fitting system and the inserted pipe. It is made by nitrile rubber (NBR 70) to withstand high service temperature, excellent compression set, tear, and abrasion resistance.
- (7) **INSERT** - Secures the o-ring and keep it in position during handling and operation. It is made by black high performance polypropylene copolymer PP-B.
- (8) **SPLIT RING** - Ensures optimum grip between the fitting system and pipe. Internally, several sharp triangular teeth are applied and are in contact with pipe when inserted to the fitting system. Externally, conical ribs are applied to fit and tight progressively on cap’s cone and pipe while pressure is applied in the system or pulling force is increased. It is made by high performance polyacetal material with sufficient stiffness and hardness to provide high-end load resistance. It can be used to join all types of polyethylene pipes.
- (9) **NUT** – Tightens the pipe with the fitting system. Internally, a female trapezoidal thread is applied to enable the connection with the fitting body. It is made by high performance polypropylene copolymer PP-B.

Dimensiuni



CODE	SIZE	WEIGHT (g)	NOMINAL DIMENSIONS						
			A	B	C	D	E	F	n
330C05005	50 X 1½"	1340	150	110	51.50	92.50	18	136	4
330C05006	50 X 2"	1580	165	125	51.50	92.50	18	136	4
330C06306	63 X 2"	1800	165	125	64.50	109.00	18	153	4
330C07507	75 X 2½"	2260	185	145	76.00	132.50	18	177	4
330C07508	75 X 3"	3275	200	160	76.00	132.50	18	180	8
330C09008	90 X 3"	3500	200	160	94.00	151.50	18	200	8
330C09009	90 X 4"	3950	220	180	94.00	151.50	18	200	8
330C11009	110 X 4"	4500	220	180	112.50	175.50	18	231	8

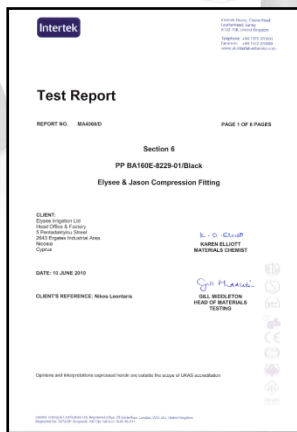
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	INSTRUCTIONS	PROCEDURES		INSTRUCTIONS	PROCEDURES
STEP 1	Check that the dimensions of flanged adaptor are in deal with the dimensions of the attachment body.		STEP 5	Insert pipe into the fitting as far as it will go until it meets the 1 st resistance.	
STEP 2	Align the flanged adaptor and tighten flange connecting bolts fully in accordance with standard flange techniques.		STEP 6	Push split ring forward until it reach the fitting.	
STEP 3	Chamfer the end of the pipe and mark the length to which the pipe must be pushed in the fitting.		STEP 7	Tighten the nut by means of two special Elysee wrenches. The mark on the pipe is now just in front of the nut.	
STEP 4	Keep the O-ring and insert fixed on the body.		STEP 8	Verify that the nuts are evenly tight symmetrical. The installation procedure is complete.	

Certificate



DVGW



Potable Water

