

Streaming Water. Streaming Life!



Compression Fittings

Compression Fittings

Compression Fittings

É - Epsilon Series (Metric - PN 16 bar)



- Agriculture
- Landscape
- Building Infrastructure
- Industry

Compression Fittings

Elysée 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 mechanical compression fittings comply with all relevant international standards in terms of dimensions and mechanical properties.

They are also ideal for the conveyance of potable water and fluids for human consumption, since they are produced in accordance with national and international standards and regulations for health and safety.

To ensure that all requirements of standards and regulations are fulfilled, our fittings are tested regularly and approved worldwide by the main testing institutes and certification bodies.



Materials & Components



1. BODY - Polypropylene PP-B / 2. O-RING - Nitrile Rubber (NBR 70) / 3. INSERT - Polypropylene PP-B / 4. SPLIT RING - Polyacetal / 5. NUT - Polypropylene PP-B

BODY - It is the main and most important component of the fitting system. It can be shaped in several dimensions and configurations to satisfy the requirements and arrangements of the 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. It offers an excellent long-term pressure resistance and also high impact resistance compared to other plastic materials.

NUT - The main purpose of this component is the tightening of the pipe with the fitting system. Internally, a female trapezoidal thread is used to enable the connection with the fitting body. Externally, it has an ergonomic designed surface for easy handling during assembly with a pipe. Made by black high performance polypropylene copolymer PP-B.

INSERT - The main purpose of this component is to secure the O-ring and keep it in position during handling and operation. Made by black high performance polypropylene copolymer PP-B.

O-RING - The main purpose of this component is to ensure leak tightness between the fitting system and the inserted pipe. Made by Nitrile rubber (NBR 70) with the ability to withstand high service temperature, excellent compression set, tear, and abrasion resistance.

SPLIT RING - The main purpose of this component is to ensure optimum grip between the fitting system and the pipe. Internally, several sharp triangular teeth are in contact with the pipe when inserted to the fitting system. Externally, conical ribs tighten progressively on the cap's cone and pipe while pressure is applied in the system or pulling force is increased. Made by high performance polyacetal material with sufficient stiffness and hardness to provide high-end load resistance. They can be used to join all types of polyethylene pipes.

Dimensions and Characteristics

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

- EN 712 / 713 / 715 / 911
 - ISO 3458 / 3459 / 3501 / 3503 ISO 17885- DIN 8076
- (Performance Series)

Application Fields

Our fittings are suitable for joining high and low density polyethylene pipes (PE-HD, PE-LD, PE40, PE63, PE80, PE100) conforming to: EN 12201 - ISO 3607 / 17885 - DIN 8072 / 8074

Fluids other than Water

The fitting may convey a wide variety of fluids.

Note: Refer to chemical resistance section for additional information. Contact us for advice on specific applications.

Operating Temperature

The fittings are not to be used in hot water although they withstand the same temperature as the polyethylene pipe itself. The fittings withstand sub-zero temperatures. The pressure rating has to be adjusted as shown in the figure below, if the fittings are to be used at higher temperatures.

Operating Pressure

For fittings from Ø 16 up to Ø 110 mm - 16 bar at 20°C



Compression Fittings

É - Epsilon Series (Metric - PN 16 bar)

Epsilon Series PN16

No. 330 Adaptor Male



Code	Size	Bag	Box	
330001610	16 x 3/8"	25	750	L
330001601	16 x 1/2"	25	750	L
330001602	16 x 3/4"	25	750	L
330002001	20 x 1/2"	25	500	L
330002002	20 x 3/4"	25	500	L
330002003	20 x 1"	25	450	L
330002501	25 x 1/2"	20	360	L
330002502	25 x 3/4"	20	320	L
330002503	25 x 1"	20	320	L
330003201	32 x 1/2"	10	180	L
330003202	32 x 3/4"	10	180	L
330003203	32 x 1"	10	180	L
330003204	32 x 1 1/4"	10	180	L
330003205	32 x 1 1/2"	10	150	L
330004003	40 x 1"		100	L
330004004	40 x 1 1/4"	10	100	L
330004005	40 x 1 1/2"	10	100	L
330004006	40 x 2"		100	L
330005003	50 x 1"		80	L
330005004	50 x 1 1/4"		80	L
330005005	50 x 1 1/2"	10	80	L
330005006	50 x 2"	10	70	L
330006305	63 x 1 1/2"		45	L
330006306	63 x 2"	10	45	L
330006307	63 x 2 1/2"	10	40	L
330007506	75 x 2"		26	L
330007507	75 x 2 1/2"	10	26	L
330007508	75 x 3"	10	26	L
330009006	90 x 2"		16	L
330009007	90 x 2 1/2"		16	L
330009008	90 x 3"		16	L
330009009	90 x 4"		16	L
330011006	110 x 2"		8	L
330011008	110 x 3"		8	L
330011009	110 x 4"		8	L

Epsilon Series PN16

No. 330A Adaptor Female



Code	Size	Bag	Box	
330A01610	16 x 3/8"	25	750	L
330A01601	16 x 1/2"	25	750	L
330A01602	16 x 3/4"	25	750	L
330A02010	20 x 3/8"	25	750	L
330A02001	20 x 1/2"	25	500	L
330A02002	20 x 3/4"	25	500	L
330A02501	25 x 1/2"	20	360	L
330A02502	25 x 3/4"	20	360	L
330A02503	25 x 1"	20	340	L
330A03201	32 x 1/2"	10	220	L
330A03202	32 x 3/4"	10	220	L
330A03203	32 x 1"	10	220	L
330A03204	32 x 1 1/4"	10	150	L
330A03205	32 x 1 1/2"	10	150	L
330A04003	40 x 1"		100	L
330A04004	40 x 1 1/4"	10	100	L
330A04005	40 x 1 1/2"		100	L
330A05004	50 x 1 1/4"		80	L
330A05005	50 x 1 1/2"	10	80	L
330A05006	50 x 2"		70	L
330A06305	63 x 1 1/2"		45	L
330A06306	63 x 2"	10	45	L
330A06307	63 x 2 1/2"		40	L
330A07506	75 x 2"		26	L
330A07507	75 x 2 1/2"	10	26	L
330A07508	75 x 3"	10	26	L
330A09006	90 x 2"	10	16	L
330A09007	90 x 2 1/2"	10	16	L
330A09008	90 x 3"	10	16	L
330A09009	90 x 4"	10	16	L
330A11008	110 x 3"	10	8	L
330A11009	110 x 4"	10	8	L

Compression Fittings

A

É - Epsilon Series (Metric - PN 16 bar)

Epsilon Series PN16

No. **330B**
End Plug



Code	Size	Bag	Box	
330B00016	16	25	900	L
330B00020	20	20	500	L
330B00025	25	20	340	L
330B00032	32	10	220	L
330B00040	40		125	L
330B00050	50		80	L
330B00063	63		45	L
330B00075	75		26	L
330B00090	90		16	L
330B00110	110		10	L

Epsilon Series PN16

No. **331**
Coupling



Code	Size	Bag	Box	
331016016	16 x 16	25	525	L
331020020	20 x 20	15	315	L
331025025	25 x 25	15	225	L
331032032	32 x 32	10	120	L
331040040	40 x 40		72	L
331050050	50 x 50		44	L
331063063	63 x 63		30	L
331075075	75 x 75		16	L
331090090	90 x 90		10	L
331110110	110 x 110		5	L

Epsilon Series PN16

No. **331B**
Coupling Repair



Code	Size	Bag	Box	
331B00025	25 x 25	10	160	L
331B00032	32 x 32	5	100	L
331B00040	40 x 40		60	L
331B00050	50 x 50		35	L
331B00063	63 x 63		20	L
331B00075	75 x 75		10	L
331B00090	90 x 90		8	L
331B00110	110 x 110		4	L

Epsilon Series PN16

No. **331A**
Coupling Reducing



Code	Size	Bag	Box	
331A02016	20 x 16	20	360	L
331A02516	25 x 16	20	300	L
331A02520	25 x 20	15	255	L
331A03220	32 x 20	10	180	L
331A03225	32 x 25	10	150	L
331A04025	40 x 25		100	L
331A04032	40 x 32		85	L
331A05025	50 x 25		65	L
331A05032	50 x 32		65	L
331A05040	50 x 40		60	L
331A06325	63 x 25		40	L
331A06332	63 x 32		30	L
331A06340	63 x 40		30	L
331A06350	63 x 50		30	L
331A07563	75 x 63		18	L
331A09063	90 x 63		12	L
331A09075	90 x 75		12	L
331A11075	110 x 75		8	L
331A11090	110 x 90		8	L

Epsilon Series PN16

No. **332**
Elbow



Code	Size	Bag	Box	
332016016	16 x 16	25	450	L
332020020	20 x 20	20	240	L
332025025	25 x 25	15	195	L
332032032	32 x 32		100	L
332040040	40 x 40		60	L
332050050	50 x 50		36	L
332063063	63 x 63		24	L
332075075	75 x 75		12	L
332090090	90 x 90		8	L
332110110	110 x 110		4	L

Compression Fittings

É - Epsilon Series (Metric - PN 16 bar)

No.
332A

Epsilon Series PN16
Elbow Male



Code	Size	Bag	Box	
332A01601	16 x ½"	25	600	L
332A01602	16 x ¾"	25	600	L
332A02001	20 x ½"	25	425	L
332A02002	20 x ¾"	25	425	L
332A02501	25 x ½"	20	360	L
332A02502	25 x ¾"	20	320	L
332A02503	25 x 1"	20	300	L
332A03202	32 x ¾"	10	180	L
332A03203	32 x 1"	10	180	L
332A04004	40 x 1¼"		90	L
332A04005	40 x 1½"		90	L
332A05005	50 x 1½"		60	L
332A05006	50 x 2"		60	L
332A06306	63 x 2"		30	L
332A06307	63 x 2½"		30	L
332A07507	75 x 2½"		15	L
332A07508	75 x 3"		15	L
332A09008	90 x 3"		10	L
332A11009	110 x 4"		6	L

No.
332B

Elbow Female



Code	Size	Bag	Box	
332B02001	20 x ½"	25	375	L
332B02002	20 x ¾"	25	375	L
332B02501	25 x ½"	20	260	L
332B02502	25 x ¾"	20	260	L
332B02503	25 x 1"	20	260	L
332B03202	32 x ¾"	10	180	L
332B03203	32 x 1"	10	180	L
332B04004	40 x 1¼"		75	L
332B04005	40 x 1½"		75	L
332B05005	50 x 1½"		55	L
332B05006	50 x 2"		55	L
332B06306	63 x 2"		30	L
332B06307	63 x 2½"		30	L
332B07507	75 x 2½"		15	L
332B07508	75 x 3"		15	L
332B09008	90 x 3"		10	L
332B11009	110 x 4"		6	L

No.
332C

Epsilon Series PN16
Elbow Female for Pop-Up



Code	Size	Bag	Box	
332C02501	25 x ½" x 25	15	195	L
332C03201	32 x ½" x 32	10	100	L
332C03202	32 x ¾" x 32	10	100	L

No.
334

Epsilon Series PN16
Tee



Code	Size	Bag	Box	
334016016	16 x 16 x 16	20	260	L
334020020	20 x 20 x 20	15	150	L
334025025	25 x 25 x 25	10	110	L
334032032	32 x 32 x 32		70	L
334040040	40 x 40 x 40		40	L
334050050	50 x 50 x 50		25	L
334063063	63 x 63 x 63		16	L
334075075	75 x 75 x 75		8	L
334090090	90 x 90 x 90		5	L
334110110	110 x 110 x 110		2	L

No.
332D

Epsilon Series PN16
Wall Elbow Female



Code	Size	Bag	Box	
332D01601	16 x ½"	10	240	L
332D02001	20 x ½"	10	240	L
332D02502	25 x ¾"	10	140	L

Compression Fittings

A

É - Epsilon Series (Metric - PN 16 bar)

Epsilon Series PN16

No. **Tee Female**
333



Code	Size	Bag	Box	
333001601	16 x 1/2" x 16	20	320	L
333001602	16 x 3/4" x 16	20	320	L
333002001	20 x 1/2" x 20	15	225	L
333002002	20 x 3/4" x 20	15	225	L
333002501	25 x 1/2" x 25	10	160	L
333002502	25 x 3/4" x 25	10	160	L
333002503	25 x 1" x 25	10	160	L
333003201	32 x 1/2" x 32	10	100	L
333003202	32 x 3/4" x 32	10	100	L
333003203	32 x 1" x 32	10	100	L
333004004	40 x 1 1/4" x 40	○	45	L
333004005	40 x 1 1/2" x 40		45	L
333005005	50 x 1 1/2" x 50	○	30	L
333005006	50 x 2" x 50	○	30	L
333006306	63 x 2" x 63	○	18	L
333006307	63 x 2 1/2" x 63	○	18	L
333007506	75 x 2" x 75	○	10	L
333007507	75 x 2 1/2" x 75	○	10	L
333007508	75 x 3" x 75	○	10	L
333009008	90 x 3" x 90	○	7	L
333011009	110 x 4" x 110	○	4	L

Epsilon Series PN16

No. **Tee Male**
333A



Code	Size	Bag	Box	
333A01601	16 x 1/2" x 16	20	320	L
333A01602	16 x 3/4" x 16	20	320	L
333A02001	20 x 1/2" x 20	15	180	L
333A02002	20 x 3/4" x 20	15	180	L
333A02003	20 x 1" x 20	15	160	L
333A02501	25 x 1/2" x 25	15	150	L
333A02502	25 x 3/4" x 25	15	150	L
333A02503	25 x 1" x 25	10	120	L
333A03201	32 x 1/2" x 32		100	L
333A03202	32 x 3/4" x 32		100	L
333A03203	32 x 1" x 32		85	L
333A04003	40 x 1" x 40		50	L
333A04004	40 x 1 1/4" x 40	○	50	L
333A04005	40 x 1 1/2" x 40		50	L
333A05005	50 x 1 1/2" x 50	○	30	L
333A05006	50 x 2" x 50		30	L
333A06306	63 x 2" x 63	○	20	L
333A07506	75 x 2" x 75		10	L
333A07507	75 x 2 1/2" x 75		10	L
333A07508	75 x 3" x 75		10	L
333A09008	90 x 3" x 90		6	L
333A11009	110 x 4" x 110	○	2	L

Epsilon Series PN16

No. **Tee Reducing**
334A



Code	Size	Bag	Box	
334A02016	20 x 16 x 20	10	160	L
334A02520	25 x 20 x 25	10	120	L
334A03225	32 x 25 x 32		80	L
334A04032	40 x 32 x 40		40	L
334A05025	50 x 25 x 50		25	L
334A05040	50 x 40 x 50		25	L
334A06325	63 x 25 x 63		16	L
334A06332	63 x 32 x 63		16	L
334A06340	63 x 40 x 63		16	L
334A06350	63 x 50 x 63		16	L
334A07563	75 x 63 x 75		8	L
334A09075	90 x 75 x 90		5	L
334A11090	110 x 90 x 110		2	L

Epsilon Series PN16

No. **Tee Increasing**
334B



Code	Size	Bag	Box	
334B02025	20 x 25 x 20	10	120	L
334B02532	25 x 32 x 25		80	L

Epsilon Series PN16

No. **Cross Tee**
333C



Code	Size	Bag	Box	
333C03202	32 x 3/4" x 3/4" x 32		80	L

No. **330C**
Epsilon Series PN16
Adaptor Flanged



Code	Size	Bag	Box
330C05005	50 x 1½"		40 L
330C05006	50 x 2"		40 L
330C06306	63 x 2"		20 L
330C06307	63 x 2½"		15 L
330C07507	75 x 2½"		10 L
330C07508	75 x 3"		10 L
330C09008	90 x 3"		8 L
330C09009	90 x 4"		5 L
330C11009	110 x 4"		5 L

No. **330D**
Epsilon Series PN16
Adaptor Flanged Complete Set with Rubber Seal, Screws & Bolts



Code	Size	Bag	Box
330D05005	50 x 1½"		15 L
330D05006	50 x 2"		15 L
330D06306	63 x 2"		10 L
330D06307	63 x 2½"		15 L
330D07507	75 x 2½"		10 L
330D07508	75 x 3"		10 L
330D09008	90 x 3"		8 L
330D09009	90 x 4"		6 L
330D11009	110 x 4"		4 L

UNIQUE FEATURES

In order to tie everything together (gasket, backing ring, body), Elysée 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.

