

Streaming Water. Streaming Life!



Compression Fittings

Compression Fittings

Compression Fittings

ζ - Zeta Series (Metric - PN 16 bar)



- Agriculture
- Landscape
- Building Infrastructure
- Industry

Elysée offers a complete range of fittings, designed for use in cold water services and in flush, overflow, warning and waste pipe. Our fittings comply with the relevant standards EN12201, ISO17885 & BS1972 in terms of dimensions and mechanical properties. To ensure that all requirements of standards and regulations are fulfilled, our fittings are tested regularly and approved by the main certification body WRAS.

ADVANCED DESIGN

The High-Tolerance range, is designed to connect pipes with various (in close range) external diameter as defined in EN12201, ISO17885, & BS1972.

This new range is following a modern ergonomic design with clear “family” feel to the existing range of Elysée fittings. The High-Tolerance fittings were designated as user friendly, meant to decrease the alterations to the minimum.

High Tolerance type is available for sizes ½”, ¾” & 1”. The breakthrough designed fitting seals pipes with in-range external diameter. Furthermore the same fitting can be installed on pipes as defined by several standards (EN12201, ISO17885, BS1972, etc.).

FEATURES:

Dynamic Rubber seal compressing and expanding in a way to seal the relevant pipes dimension.

Direct insert were the insert can transfer user’s force directly on the rubber seal for better sealing.

Short split ring that grips well on the relevant pipes bearing the requested pull-out force.

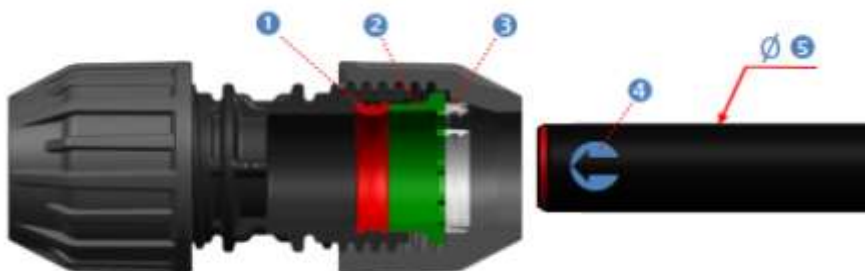
Push-fit technology were pipe can be inserted without force, just by loosening the nut.

The availability of external diameters are as follows (dimensions below are the nominal outside diameters):

½” – Ø20.00 mm up to Ø21.20 mm

¾” – Ø24.95 mm up to Ø27.05 mm

1” – Ø32.00 mm up to Ø33.85 mm



OPERATING PRESSURE

Fittings are suitable for working pressures up to 16 bar @ 20°C and/or the maximum designated by the relevant standard of the polyethylene pipe in use.

DIMENSIONS AND CHARACTERISTICS

Our fittings comply with the dimensional requirements and characteristics of the standards EN12201, ISO17885 & BS1972.

APPLICATION FIELDS

Our fittings are suitable for joining high and low density polyethylene pipes (PE-HD, PE-LD, PE40, PE63, PE80, PE100) conforming to: EN12201 - ISO17885 - BS1972 (Type 32)

THREADING

Threads (BSP) are manufactured according to: ISO 7, ISO 10226 and BS 21.

Certificates



DVGW



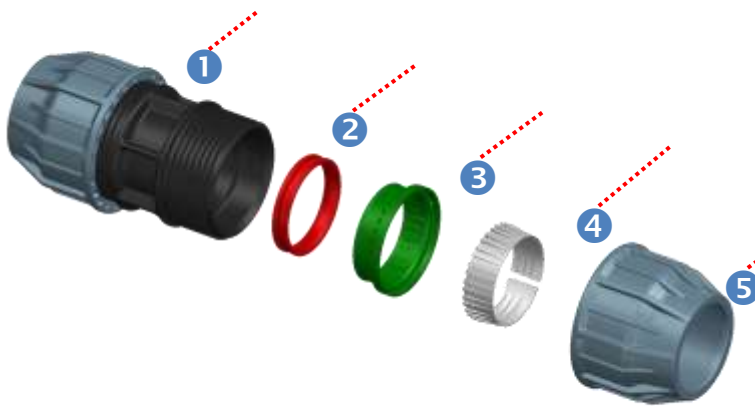
Potable Water

Elysée offers a complete range of Zero-Force fittings for sizes 75, 90 & 110 mm designed for conveyance of fluids, gaseous fuels, compressed air, chemical solutions and slurries under high pressure. Our Zero Force 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.

ADVANCED DESIGN

Elysée Zero Force, is a range of fittings designed to connect metrical Polyethylene pipes. This new range is following a modern ergonomic Easy-Fit design with clear “family” feel to the existing range of Elysée fittings. The Zero Force range is 16 bar rated, approved and comply with all relevant international standards relating to compression fittings.



FEATURES

Complete Range of fittings from 75 mm up to 110 mm

No insertion force is necessary for the pipe installation

Conforms to hygiene and sanitary requirements

Tested according to all related standards

Designed for an extensive lifespan

Abrasion and chemical resistant

Use of top-class raw materials for better pressure resistance

No loose component employing no-pull-out insert

Use of top-class raw materials for better pressure resistance

No loose component employing no-pull-out insert

Ease of handling with ergonomic design of nut

Longer pressure zone to accommodate pipe end

Proven leak-free secured system

Modern design and shape

(1) 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 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.

(2) RUBBER SEAL - Main purpose of this component is to ensure leak tightness between the fitting system and the inserted pipe. It is made by Synthetic rubber (EPDM 70) with the ability to withstand high service temperature, excellent compression set, tear, and abrasion resistance.

(3) INSERT - Main purpose of this component is to secure the o-ring and keep it in position during handling and operation. It is made by black high performance polypropylene copolymer PP-B.

(4) SPLIT RING - Main purpose of this component is to ensure 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 (POM) material with sufficient stiffness and hardness to provide high-end load resistance. It can be used to join all types of polyethylene pipes.

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

Zeta Series PN16

No. 380 Adaptor Male



Code	Size	Bag	Box	
High Tolerance				
380002001A	20 x ½"	25	500	L
380002002A	20 x ¾"	25	500	L
380002003A	20 x 1"	25	450	L
380002501A	25 x ½"	20	360	L
380002502A	25 x ¾"	20	320	L
380002503A	25 x 1"	20	320	L
380003202A	32 x ¾"	10	180	L
380003203A	32 x 1"	10	180	L
380003204A	32 x 1¼"	10	180	L
380003205A	32 x 1½"	10	150	L
Lip Seal				
380004003A	40 x 1"		100	L
380004004A	40 x 1¼"	10	100	L
380004005A	40 x 1½"	10	100	L
380004006A	40 x 2"		100	L
380005005A	50 x 1½"	10	80	L
380005006A	50 x 2"	10	70	L
380006305A	63 x 1½"		45	L
380006306A	63 x 2"	10	45	L
Zero Force				
380007506A	75 x 2"		26	L
380007507A	75 x 2½"	10	26	L
380007508A	75 x 3"	10	26	L
380009006A	90 x 2"		16	L
380009007A	90 x 2½"		16	L
380009008A	90 x 3"		16	L
380009009A	90 x 4"		16	L
380011006A	110 x 2"		8	L
380011008A	110 x 3"		8	L
380011009A	110 x 4"		8	L

Zeta Series PN16

No. 380A Adaptor Female



Code	Size	Bag	Box	
High Tolerance				
380A02001A	20 x ½"	25	500	L
380A02002A	20 x ¾"	25	500	L
380A02501A	25 x ½"	20	360	L
380A02502A	25 x ¾"	20	360	L
380A02503A	25 x 1"	20	340	L
380A03202A	32 x ¾"	10	220	L
380A03203A	32 x 1"	10	220	L
380A03204A	32 x 1¼"	10	150	L
Lip Seal				
380A04004A	40 x 1¼"	10	100	L
380A04005A	40 x 1½"		100	L
380A05005A	50 x 1½"	10	80	L
380A05006A	50 x 2"		70	L
380A06306A	63 x 2"	10	45	L
Zero Force				
380A07506A	75 x 2"		26	L
380A07507A	75 x 2½"	10	26	L
380A07508A	75 x 3"	10	26	L
380A09006A	90 x 2"	10	16	L
380A09007A	90 x 2½"	10	16	L
380A09008A	90 x 3"	10	16	L
380A09009A	90 x 4"	10	16	L
380A11008A	110 x 3"	10	8	L
380A11009A	110 x 4"	10	8	L

Compression Fittings

A

ζ - Zeta Series (Metric - PN 16 bar)-

Zeta Series PN16

No. **Coupling**
381



Code	Size	Bag	Box	
High Tolerance				
381020020A	20 x 20	15	315	L
381025025A	25 x 25	15	225	L
381032032A	32 x 32	10	120	L
Lip Seal				
381040040A	40 x 40		72	L
381050050A	50 x 50		44	L
381063063A	63 x 63		30	L
Zero Force				
381075075A	75 x 75		16	L
381090090A	90 x 90		10	L
381110110A	110 x 110		5	L

Zeta Series PN16

No. **Coupling Reducing**
381A



Code	Size	Bag	Box	
High Tolerance				
381A02520A	25 x 20	15	255	L
381A03220A	32 x 20	10	180	L
381A03225A	32 x 25	10	150	L
Lip Seal				
381A04025A	40 x 25		100	L
381A04032A	40 x 32		85	L
381A05032A	50 x 32		65	L
381A05040A	50 x 40		60	L
381A06382A	63 x 32		30	L
381A06340A	63 x 40		30	L
381A06350A	63 x 50		30	L
Zero Force				
381A07563A	75 x 63		18	L
381A09063A	90 x 63		12	L
381A09075A	90 x 75		12	L
381A11075A	110 x 75		8	L
381A11090A	110 x 90		8	L

Zeta Series PN16

No. **End Plug**
380B



Code	Size	Bag	Box	
High Tolerance				
380B00020A	20	20	500	L
380B00025A	25	20	340	L
380B00032A	32	10	220	L
Lip Seal				
380B00040A	40		125	L
380B00050A	50		80	L
380B00063A	63		45	L
Zero Force				
380B00075A	75		26	L
380B00090A	90		16	L
380B00110A	110		10	L

Zeta Series PN16

No. **Elbow**
382



Code	Size	Bag	Box	
High Tolerance				
382020020A	20 x 20	20	240	L
382025025A	25 x 25	15	195	L
382032032A	32 x 32		100	L
Lip Seal				
382040040A	40 x 40		60	L
382050050A	50 x 50		36	L
382063063A	63 x 63		24	L
Zero Force				
382075075A	75 x 75		12	L
382090090A	90 x 90		8	L
382110110A	110 x 110		4	L

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Zeta Series PN16

No. 382B Elbow Female



Code	Size	Bag	Box	
High Tolerance				
382B02001A	20 x ½"	25	375	L
382B02002A	20 x ¾"	25	375	L
382B02501A	25 x ½"	20	260	L
382B02502A	25 x ¾"	20	260	L
382B02503A	25 x 1"	20	260	L
382B03203A	32 x 1"	10	180	L
Lip Seal				
382B04004A	40 x 1¼"		75	L
382B04005A	40 x 1½"		75	L
382B05005A	50 x 1½"		55	L
382B05006A	50 x 2"		55	L
382B06306A	63 x 2"		30	L
Zero Force				
382B07507A	75 x 2½"		15	L
382B07508A	75 x 3"		15	L
382B09008A	90 x 3"		10	L
382B11009A	110 x 4"		6	L

Zeta Series PN16

No. 384 Tee



Code	Size	Bag	Box	
High Tolerance				
384020020A	20 x 20 x 20	15	150	L
384025025A	25 x 25 x 25	10	110	L
384032032A	32 x 32 x 32		70	L
Lip Seal				
384040040A	40 x 40 x 40		40	L
384050050A	50 x 50 x 50		25	L
384063063A	63 x 63 x 63		16	L
Zero Force				
384075075A	75 x 75 x 75		8	L
384090090A	90 x 90 x 90		5	L
384110110A	110 x 110 x 110		2	L

Zeta Series PN16

No. 382A Elbow Male



Code	Size	Bag	Box	
High Tolerance				
382A02001A	20 x ½"	25	425	L
382A02502A	25 x ¾"	20	320	L
382A03203A	32 x 1"	10	180	L
Lip Seal				
382A04004A	40 x 1¼"		90	L
382A04005A	40 x 1½"		90	L
382A05005A	50 x 1½"		60	L
382A05006A	50 x 2"		60	L
382A06306A	63 x 2"		30	L
Zero Force				
382A07507A	75 x 2½"		15	L
382A07508A	75 x 3"		15	L
382A09008A	90 x 3"		10	L
382A11009A	110 x 4"		6	L

Zeta Series PN16

No. 382D Wall Elbow Female



Code	Size	Bag	Box	
High Tolerance				
382D02001A	20 x ½"	10	240	L
382D02502A	25 x ¾"	10	140	L

Zeta Series PN16

No. 384A Tee Reducing



Code	Size	Bag	Box	
High Tolerance				
384A02520A	25 x 20 x 25	10	120	L
384A03225A	32 x 25 x 32		80	L
Lip Seal				
384A05040A	50 x 40 x 50		25	L
384A06350A	63 x 50 x 63		16	L
Zero Force				
384A07563A	75 x 63 x 75		8	L
384A09075A	90 x 75 x 90		5	L
384A11090A	110 x 90 x 110		2	L

Compression Fittings

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Zeta Series PN16

No. **Tee Female**
383



Code	Size	Bag	Box	
High Tolerance				
383002001A	20 x 1/2" x 20	15	225	L
383002002A	20 x 3/4" x 20	15	225	L
383002501A	25 x 1/2" x 25	10	160	L
383002502A	25 x 3/4" x 25	10	160	L
383002503A	25 x 1" x 25	10	160	L
383003202A	32 x 3/4" x 32	10	100	L
383003203A	32 x 1" x 32	10	100	L
Lip Seal				
383004004A	40 x 1 1/4" x 40	○	45	L
383004005A	40 x 1 1/2" x 40		45	L
383005005A	50 x 1 1/2" x 50	○	30	L
383005006A	50 x 2" x 50	○	30	L
383006306A	63 x 2" x 63	○	18	L
Zero Force				
383007506A	75 x 2" x 75	○	10	L
383007507A	75 x 2 1/2" x 75	○	10	L
383007508A	75 x 3" x 75	○	10	L
383009008A	90 x 3" x 90	○	7	L
383011009A	110 x 4" x 110	○	4	L

Zeta Series PN16

No. **Tee Male**
383A



Code	Size	Bag	Box	
High Tolerance				
383A02001A	20 x 1/2" x 20	15	180	L
383A02002A	20 x 3/4" x 20	15	180	L
383A02501A	25 x 1/2" x 25	15	150	L
383A02502A	25 x 3/4" x 25	15	150	L
383A02503A	25 x 1" x 25	10	120	L
383A03202A	32 x 3/4" x 32		100	L
383A03203A	32 x 1" x 32		85	L
High Tolerance				
383A04004A	40 x 1 1/4" x 40	○	50	L
383A04005A	40 x 1 1/2" x 40		50	L
383A05005A	50 x 1 1/2" x 50	○	30	L
383A05006A	50 x 2" x 50		30	L
383A06306A	63 x 2" x 63	○	20	L
Zero Force				
383A07506A	75 x 2" x 75		10	L
383A07507A	75 x 2 1/2" x 75		10	L
383A07508A	75 x 3" x 75		10	L
383A09008A	90 x 3" x 90		6	L
383A11009A	110 x 4" x 110	○	2	L

Zeta Series PN16

No. **Adaptor Flanged**
380C



Code	Size	Bag	Box	
Lip Seal				
380C05005A	50 x 1 1/2"		40	L
380C05006A	50 x 2"		40	L
380C06306A	63 x 2"		20	L
380C06307A	63 x 2 1/2"		15	L
Zero Force				
380C07507A	75 x 2 1/2"		10	L
380C07508A	75 x 3"		10	L
380C09008A	90 x 3"		8	L
380C09009A	90 x 4"		5	L
380C11009A	110 x 4"		5	L

Zeta Series PN16

No. **Adaptor Flanged Complete Set with Rubber Seal, Screws & Bolts**
380D



Code	Size	Bag	Box	
Lip Seal				
380D05005A	50 x 1 1/2"		15	L
380D05006A	50 x 2"		15	L
380D06306A	63 x 2"		10	L
380D06307A	63 x 2 1/2"		15	L
Zero Force				
380D07507A	75 x 2 1/2"		10	L
380D07508A	75 x 3"		10	L
380D09008A	90 x 3"		8	L
380D09009A	90 x 4"		6	L
380D11009A	110 x 4"		4	L

