New

Flexible coolant hoses

DESIGNED
FOR ENGINEERING

Flexible coolant hoses

Flexible coolant hoses comprise a threaded input fitting, a tubular body divided into several segments to form the desired length and a nozzle for the outflow of the fluid (Fig.1).

They can be used when lubrication, temperature control, extraction of fumes or dust particles with precise precision or on larger surfaces is required.

Fig.1

Modularity

The modular structure, made using snap assembly of the single elements, allows you to adjust and direct the lubricating jet with maximum flexibility while maintaining stability in operation even in the presence of vibrations.

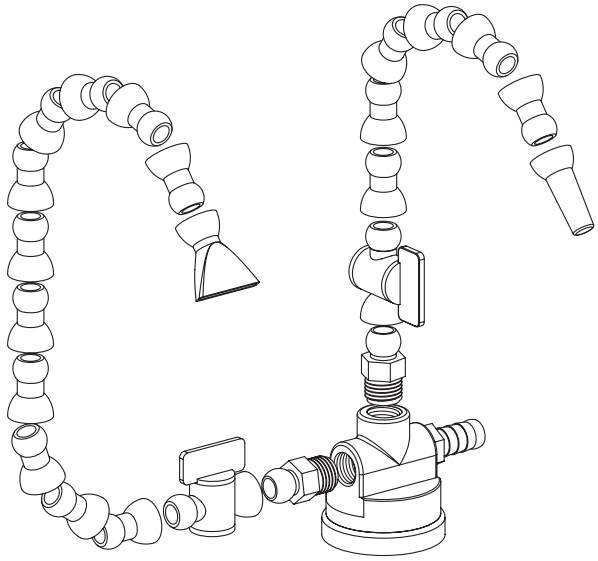
Furthermore, it allows customisation of the system so you can choose the lengths which suit the application.

Applications

These types of systems are used in addition to the lubro-refrigeration of the tools in operation, wherever forced circulation of outflow air is required (for example drying ink during the printing process) or in suction.

Chemical resistance

Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case, checking the suitability of the product in actual operating conditions is recommended.



Flexible coolant hoses

Kit with tubes with a diameter of 1/4", technopolymer

Fig.1

KIT COMPONENTS

- A modular FHT tube comprising 20 segments made from acetal-based technopolymer (POM), blue.
- Two FHJ threaded fittings made from acetal-based technopolymer (POM), orange.
- Four FHN nozzles made from acetal-based technopolymer (POM), orange.

FEATURES

The modular structure, made using snap assembly of the single elements (Fig.1), allows you to adjust and direct the lubricating jet with maximum flexibility, while maintaining stability in operation even in the presence of vibrations.
The length of the tube can be adapted to the specific application by adding or removing the appropriate number of elements via the snap fitting.
The use of PTFE tape on the threading of the fittings is recommended to facilitate sealing.
Assembled without using seals, the system should therefore not be considered watertight.
The kit's individual components are also sold separately (see table of components).
Max input pressure: 4 bar.
See Flexible coolant hoses (on page 3).

CHEMICAL COMPATIBILITY

Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST

- Tubes, fittings and nozzles made from raw materials suitable for contact with food (FDA CFR.21 and EU 10/2011).
- Kit with tubes with a diameter of 3/4".

ACCESSORIES ON REQUEST

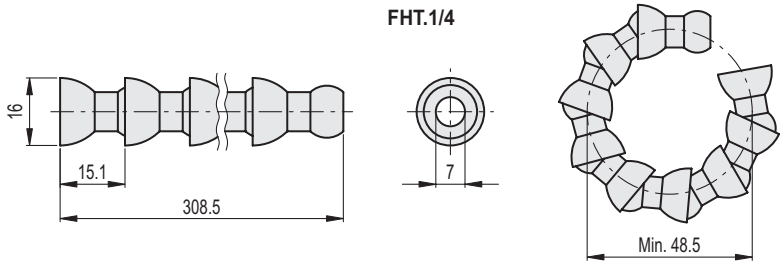
Pliers to assemble the components.

FH.1/4

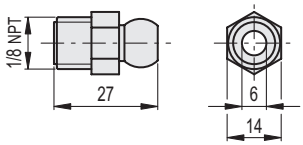
Flexible coolant hoses

Kit components	Code	Description	Qty
Hose	471201	FHT.1/4	1
Threaded fitting	471058	FHJ.1/4-1/8-NPT	1
Threaded fitting	471059	FHJ.1/4-1/4-NPT	1
Nozzle	471101	FHN.1/4-1	1
Nozzle	471106	FHN.1/4-3	1
Nozzle	471111	FHN.1/4-5	1
Nozzle	471116	FHN.1/4-P25	1

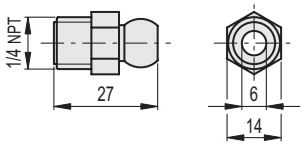
FHT.1/4



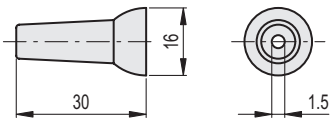
FHJ.1/4-1/8-NPT



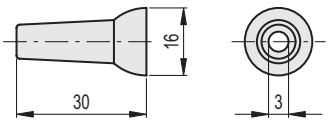
FHJ.1/4-1/4-NPT



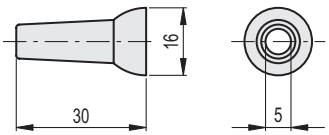
FHN.1/4-B-1



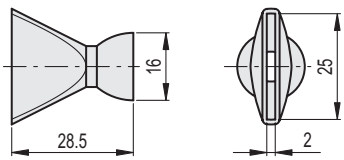
FHN.1/4-B-3



FHN.1/4-B-5



FHN.1/4-P25



Code	Description	⚖
471001	FH.1/4	55

Flexible coolant hoses

Kit with tubes with a diameter of 1/2", technopolymer

Fig.1

KIT COMPONENTS

- A modular FHT tube comprising 16 segments made from acetal-based technopolymer (POM), blue.
- Two FHJ threaded fittings made from acetal-based technopolymer (POM), orange.
- Four FHN nozzles made from acetal-based technopolymer (POM), orange.

FEATURES

The modular structure, made using snap assembly of the single elements (Fig.1), allows you to adjust and direct the lubricating jet with maximum flexibility, while maintaining stability in operation even in the presence of vibrations.
The length of the tube can be adapted to the specific application by adding or removing the appropriate number of elements via the snap fitting.
The use of PTFE tape on the threading of the fittings is recommended to facilitate sealing.
Assembled without using seals, the system should therefore not be considered watertight.
The kit's individual components are also sold separately (see table of components).
Max input pressure: 2 bar.
See Flexible coolant hoses (on page 3).

CHEMICAL COMPATIBILITY

Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST

- Tubes, fittings and nozzles made from raw materials suitable for contact with food (FDA CFR.21 and EU 10/2011).
- Kit with tubes with a diameter of 3/4".

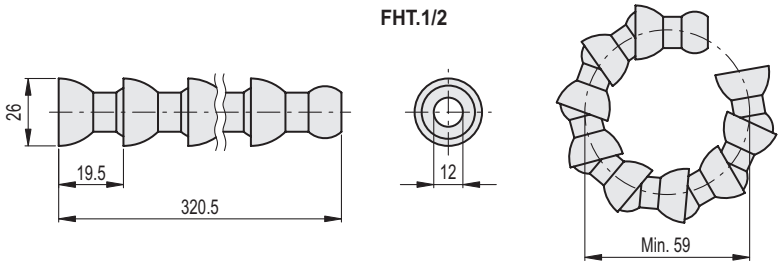
ACCESSORIES ON REQUEST

Pliers to assemble the components.

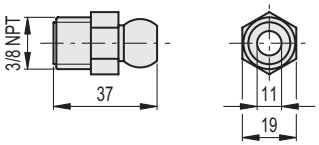
FH.1/2 | Flexible coolant hoses

Kit components	Code	Description	Qty
Hose	471206	FHT.1/2	1
Threaded fitting	471068	FHJ.1/2-3/8-NPT	1
Threaded fitting	471069	FHJ.1/2-1/2-NPT	1
Nozzle	471126	FHN.1/2-5	1
Nozzle	471131	FHN.1/2-8	1
Nozzle	471136	FHN.1/2-11	1
Nozzle	471141	FHN.1/2-P50	1

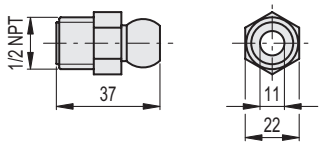
FHT.1/2



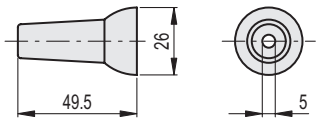
FHJ.1/2-3/8-NPT



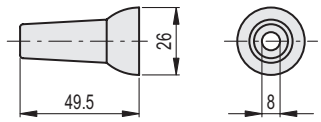
FHJ.1/2-1/2-NPT



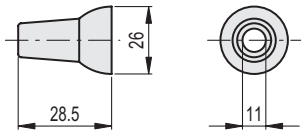
FHN.1/2-B-5



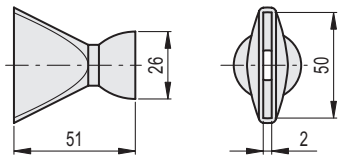
FHN.1/2-B-8



FHN.1/2-B-11



FHN.1/2-P50



Code	Description	⚖
471006	FH.1/2	136

Hoses

for flexible coolant hoses, technopolymer

MATERIAL
Acetal-based technopolymer (POM), blue.

FEATURES
The modular structure, formed by means of the snap mounting of the individual elements (Fig.1), allows the lubricating jet to be channelled in the desired direction.
The length of the tube can be adapted to the specific application by adding or removing the appropriate number of elements via the snap fitting.
To form a complete modular system, coupling with a nozzle FHN (see page 10), and a fitting is required FHJ (see page 9)(Fig.2).
Assembled without using seals, the system should therefore not be considered sealed.
Max input pressure: 4 bar (FHT.1/4), 2 bar (FHT.1/2).
See Flexible coolant hoses (on page 3).

CHEMICAL COMPATIBILITY
Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST
- Tubes made from raw materials suitable for contact with food (FDA CFR.21 and EU 10/2011).
- Tubes with a diameter of 3/4".

ACCESSORIES ON REQUEST
Pliers to assemble the components.

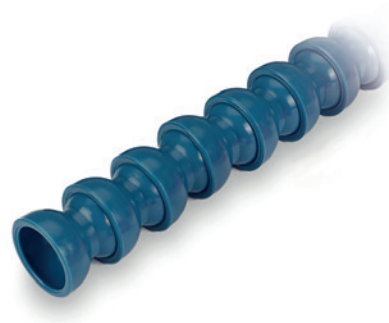
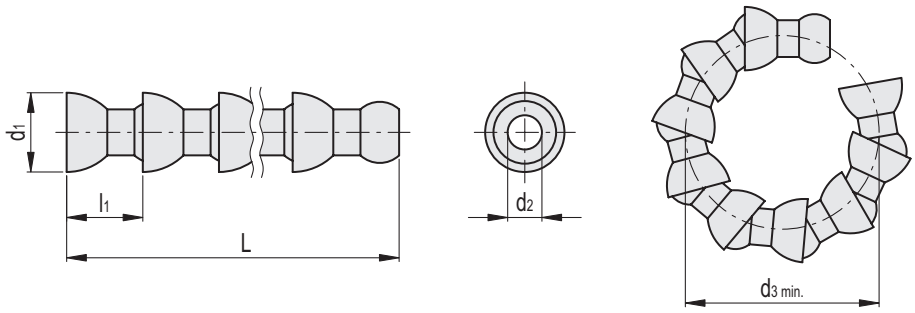


Fig.1

Fig.2



Code	Description	L	d1	d2	d3 min.	l1	For modular system	Number of elements	⚖
471201	FHT.1/4	308.5	16	7	48.5	15.1	1/4	20	42
471206	FHT.1/2	320.5	26	12	59	19.5	1/2	16	91

Threaded fittings

for flexible coolant hoses, technopolymer

MATERIAL
Acetal-based technopolymer (POM).

STANDARD EXECUTIONS
- **FHJ**: BSPT conical threading, blue.
- **FHJ-NPT**: NPT conical threading, orange.

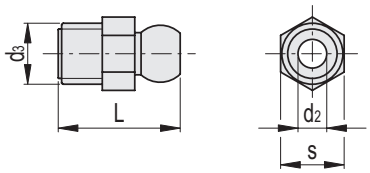
FEATURES
Fitting to be implemented by means of snap coupling (Fig.1) with modular tubes FHT (see page 8).
The use of PTFE tape on the threading is recommended to facilitate sealing.
See Flexible coolant hoses (on page 3).

CHEMICAL COMPATIBILITY
Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST
- Threaded fittings made from raw materials suitable for contact with food (FDA CFR.21 and EU 10/2011).
- Fittings for modular systems with tubes with a diameter of 3/4".

ACCESSORIES ON REQUEST
Pliers to assemble the components.

Fig.1



FHJ

Code	Description	For modular system	L	d2	d3	s	⚖
471051	FHJ.1/4-1/8-BSPT	1/4	27	6	1/8 BSPT	14	2
471056	FHJ.1/4-1/4-BSPT	1/4	27	6	1/4 BSPT	14	3
471061	FHJ.1/2-3/8-BSPT	1/2	37	11	3/8 BSPT	19	7
471066	FHJ.1/2-1/2-BSPT	1/2	37	11	1/2 BSPT	22	10

FHJ-NPT

Code	Description	For modular system	d3	L	d2	s	⚖
471058	FHJ.1/4-1/8-NPT	1/4	1/8 NPT	27	6	14	2
471059	FHJ.1/4-1/4-NPT	1/4	1/4 NPT	27	6	14	3
471068	FHJ.1/2-3/8-NPT	1/2	3/8 NPT	37	11	19	6
471069	FHJ.1/2-1/2-NPT	1/2	1/2 NPT	37	11	22	10

Nozzles

for flexible coolant hoses, technopolymer

MATERIAL
Acetal-based technopolymer (POM), orange.

STANDARD EXECUTIONS
- **FHN**: nozzle with a single hole.
- **FHN-P**: nozzle with a hole with a rectangular section.
- **FHN-F**: nozzle with a joint head with sixteen holes.

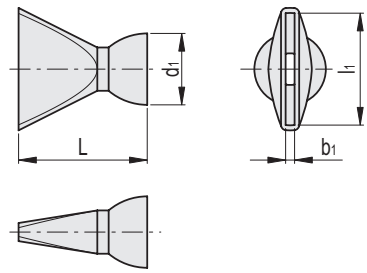
FEATURES
The use of nozzles allows the lubricating spray to be adjusted, concentrating it or distributing it on the surface concerned.
Fitting to be implemented by means of snap coupling (Fig.1) with modular tubes FHT (see page 8).
See Flexible coolant hoses (on page 3).

CHEMICAL COMPATIBILITY
Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST
- Nozzles made from raw materials suitable for contact with food (FDA CFR.21 and EU 10/2011).
- Nozzles for modular systems with tubes with a diameter of 3/4".

ACCESSORIES ON REQUEST
Pliers to assemble the components.

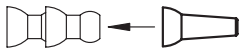
FHN-P



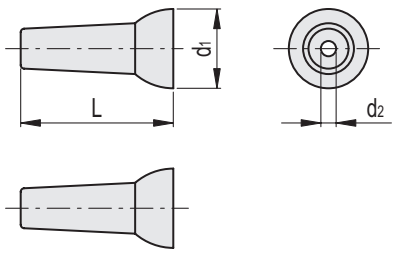
FHN-P

Code	Description	L	d1	l1	b1	For modular system	⚖
471116	FHN.1/4-P25	28.5	16	25	2	1/4	2
471141	FHN.1/2-P50	51	26	50	2	1/2	10

Fig.1



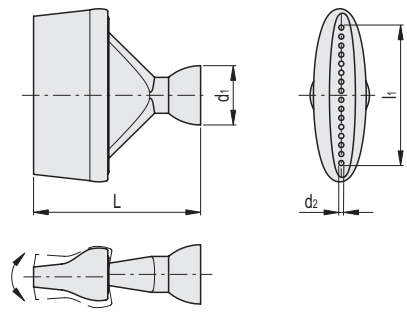
FHN-B



FHN

Code	Description	L	d1	d2	For modular system	⚖
471101	FHN.1/4-B-1	30	16	1.5	1/4	2
471106	FHN.1/4-B-3	30	16	3	1/4	2
471111	FHN.1/4-B-5	30	16	5	1/4	2
471126	FHN.1/2-B-5	49.5	26	5	1/2	6
471131	FHN.1/2-B-8	49.5	26	8	1/2	7
471136	FHN.1/2-B-11	28.5	26	11	1/2	6

FHN-F



FHN-F

Code	Description	L	d1	d2	l1	For modular system	⚖
471121	FHN.1/4-F	44.5	16	1.5	38	1/4	8

FHV

RoHS POM +80° -20°

Ball valve

for flexible coolant hoses, technopolymer

MATERIAL
Acetal-based technopolymer (POM), blue and orange.

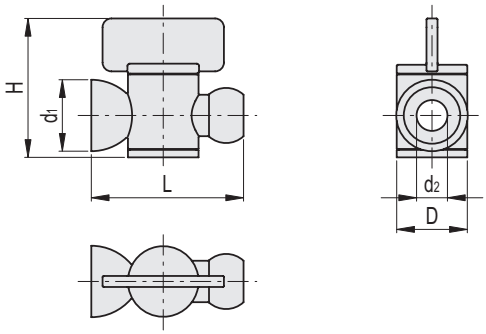
FEATURES
Indicated when the flow needs to be separated or interrupted within the system.
Fitting to be implemented by means of snap coupling (Fig.1) with modular tubes FHT (see page 8).
See Flexible coolant hoses (on page 3).

CHEMICAL COMPATIBILITY
Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case we suggest to verify the suitability of the product under the actual working conditions.

SPECIAL EXECUTIONS ON REQUEST
Valve made from raw materials suitable for contact with food (FDA CFR.21 and EU 10/2011).

ACCESSORIES ON REQUEST
Pliers to assemble the components.

Fig.1



Code	Description	D	L	H	d1	d2	For modular system	⚖
471301	FHV.1/4-POM	16	34.5	31.5	16	7	1/4	8

FHB

RoHS PA +80° -20°

Magnetic stand

for flexible coolant hoses, technopolymer

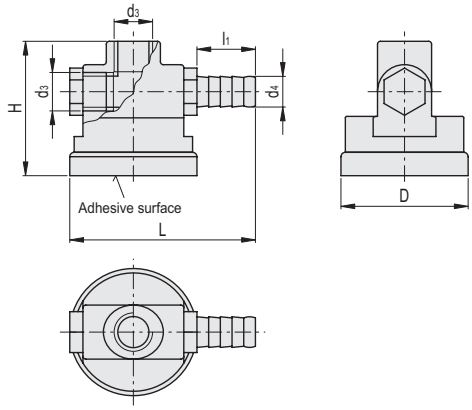
BODY
Polyamide based (PA) technopolymer, black colour.

MAGNETIC BASE
Ferrite retaining magnet

CAP AND FITTING
Nickel-plated brass.

FEATURES
The stand allows you to use up to two 1/4" segments simultaneously; the magnet integrated in the structure allows the system to be anchored in multiple positions, also facilitating repeated movements.
Fluid can enter the system via the barbed fitting to be coupled with an external tube, for a better seal, the use of tightening bands is recommended.
The magnetic stand can also be used with 1/2" systems by means of a threaded adapter which can be purchased.
See flexible coolant hoses (on page 3).

CHEMICAL COMPATIBILITY
Material resistant to detergents, lubricants and oils, avoid contact with strong acids and bases.
To use fluids other than those listed, contact Elesa+Ganter's technical department.
In any case we suggest to verify the suitability of the product under the actual working conditions.



Code	Description	D	L	H	d3	d4	l1	For modular system	⚖
471251	FHB.1/4	42	63.5	40	G 1/4	10.5	20	1/4	126

Find out more on **elesa-ganter.com**

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