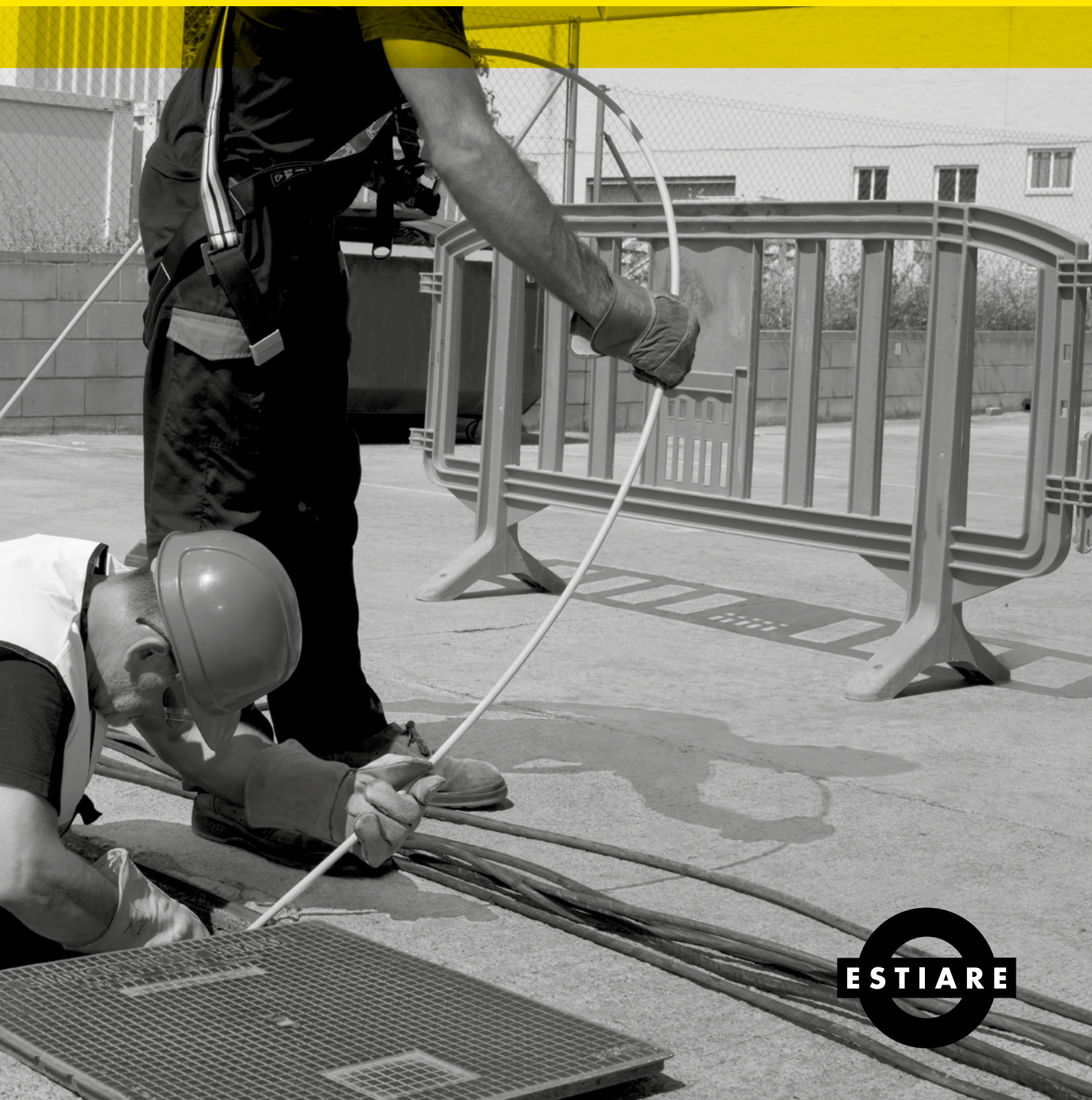


Avantia

CATALOGUE
2018 - 2019





Anguila

More than 25 years specialising in the design, manufacture and marketing of fish tape and its accessories.

We offer you the right fish tape for every installation

Taking into account:

- DISTANCE
- PIPE / CONDUIT DIAMETER
- EMPTY / NEW PIPES
- CABLES ALREADY INSTALLED
- WITH BENDS / STRAIGHT

Technology · Quality · Specialisation · Commitment

www.estiare.com

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Anavila

HOUSEHOLD FISH TAPES

- PIPES : Ø 16 TO 50 mm
- LENGTHS : UP TO 30 m

STANDARD RANGE

BALANCE BETWEEN FUNCTIONALITY AND PRICE
FOR INSTALLATIONS THAT POSE LITTLE DIFFICULTY

1. NYLON BI-NYLON

p. 18

- A true classic.
- Economical.
- Long durability.
- Maximum flexibility.
- Lower pushing or twisting strength.



2. COATED STEEL

FLAT BAND STEEL ROUND
STEEL CABLE

p. 18

- Strong and versatile
- For heavy-duty work
- Excellent twisting, easy insertion and great durability.



PREMIUM RANGE

THE BEST FEATURES IN TWO PROFESSIONAL RANGES
FOR MEDIUM-HIGH DIFFICULTY INSTALLATIONS

3. COATED FIBREGLASS ROD

p. 20

- Hard exterior.
- Maximum rigidity and pushing strength.
- Minimum friction.
- Perfect for straight sections with few bends.



4. TWISTED POLYESTER

TRIPLE TWISTED
MONOFILAMENT TWISTED

p. 20

- Innovation and versatility.
- Maximum pushing and twisting strength.
- Minimum friction.
- Maximum flexibility in bends and maximum rigidity in straight sections.
- Does not split when folding.























SELECTION GUIDE MATERIALS

OUR RANGE OF MATERIALS IS OUR GUARANTEE OF SATISFACTION.
WE HELP YOU TO CHOOSE. CHOOSE WELL.



Small Diameters
Lengths: up to 30 m
For pipes with a diameter up to Ø 50 mm

FEATURES															
GENERAL				PUSHING					PULLING			RECOMMENDATIONS			
MATERIALS	MATERIAL DIAMETER Ø mm	COLOUR	AVERAGE DURABILITY	EASY INSERTION	DIAMETER OF TURN Ø cm	EASY TURN	FRICTION	TWISTING STRENGTH	PUSHING STRENGTH	TENSILE STRENGTH	BREAKING STRENGTH	IDEAL PIPE Ø mm	OPTIMAL LENGTH m		
MATERIALS FOR HOUSEHOLD INSTALLATIONS															
STANDARD RANGE															
1	NYLON Solid Monofilament		3 mm 4 mm		Long	★★★★☆	2 cm 4 cm	High Normal	Normal	Normal	Normal	100 kg 120 kg	★★★★☆	16-20 mm 20-25 mm	10-15 m 10-15 m
	BY-NYLON Solid Monofilament		4 mm		Long	★★★★☆	4 cm	High	Normal	Normal	Normal	120 kg	★★★★☆	20-32 mm	10-20 m
2	FLAT BAND STEEL Polypropylene-Coated		4 mm		Medium	★★★★☆	8 cm	Very High	Low	Very High	High	130 kg	★★★★☆	20-32 mm	10-20 m
	ROUND STEEL CABLE Polypropylene-Coated		4 mm		Long	★★★★☆	6 cm	Very High	Low	High	High	130 kg	★★★★☆	20-32 mm	10-20 m
	ROUND STEEL CABLE Nylon-Coated		4 mm		Very Long	★★★★☆	6 cm	Very High	Very Low	High	High	130 kg	★★★★☆	20-32 mm	10-20 m
PREMIUM RANGE															
3	FIBREGLASS ROD Polypropylene-Coated		3 mm 3.5 mm		Short	★★★★★ ★★★★★	6 cm 8 cm	Very High Very High	Scant	Very High	Very High	80 kg	★★★★☆	16-50 mm	10-30 m
	FIBREGLASS ROD Nylon-Coated		3 mm		Short	★★★★★	6 cm	Very High	Scant	Very High	Very High	80 kg	★★★★☆	16-50 mm	10-30 m
4	POLYESTER Triple Twisted		4 mm 4.5 mm		Very Long	★★★★★	3 cm 3 cm	Very High	Minimum	Very High	High Very High	130 kg	★★★★☆	16-32 mm 20-50 mm	10-30 m
	POLYESTER Monofilament Twisted		3 mm		Maximum	★★★★★	2 cm	High	Very Low	Very High	High	80 kg	★★★★★	10-20 mm	6-18 m
	POLYESTER Monofilament Twisted		4.5 mm		Maximum	★★★★★	4 cm	High	Minimum	Maximum	Maximum	140 kg	★★★★★	20-50 mm	10-30 m

★ Normal ★★ Good ★★★ Very good ★★★★ Excellent ★★★★★ Maximum

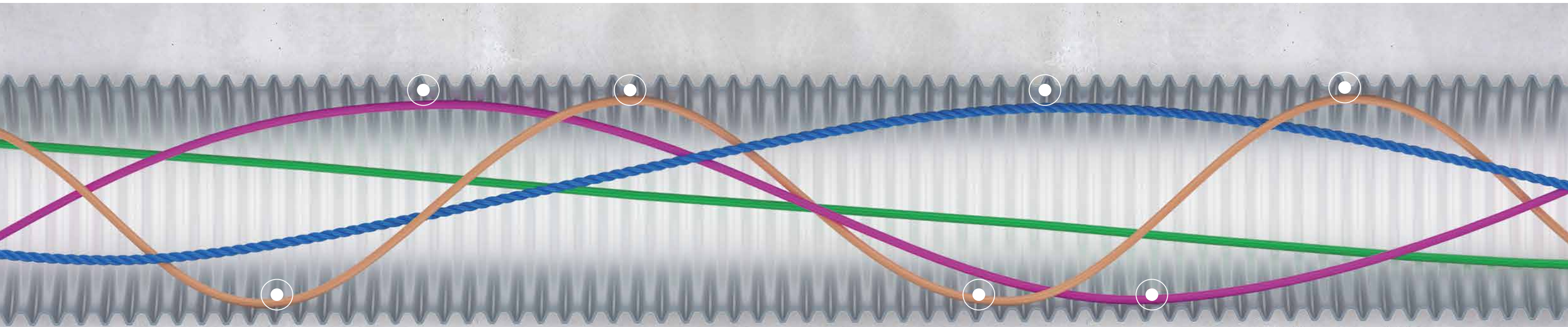
MAIN FEATURES

FRICITION

Friction inside the pipe is decisive in a fish tape's characteristics. Each material combines memory effect, shape, flexibility and texture in a different way.

Straighter materials with no memory, such as fibreglass or twisted polyester, create less friction in straight sections, whereas nylon, which snakes more, will always create greater friction.

● FRICTION POINTS (depending on the material)



LESS CONTACT, BETTER INSERTION

STANDARD RANGE

NYLON / BI-NYLON

● 4

It is the material with the greatest memory effect and therefore has more friction points. The new, reformulated bi-nylon is more flexible and has less friction.

COATED STEEL

● 2

Available with flat band steel and round steel cable. These materials have little memory effect and are very suitable for heavy duty work. Flat band steel, which weighs less, delivers better anti-friction behaviour.

PREMIUM RANGE

FIBREGLASS

● 0

These rods have great pushing strength, making them perfect against friction in straight sections. The 3 mm rod is more flexible and has less friction at bends. It is a fragile material with no memory effect.

TWISTED POLYESTER

● 1

Twisted material halves friction and has barely any memory effect. Triple twist (3 monofilaments) is more flexible and has less friction at bends. Monofilament twist is more rigid.

MAIN FEATURES

TWISTING STRENGTH

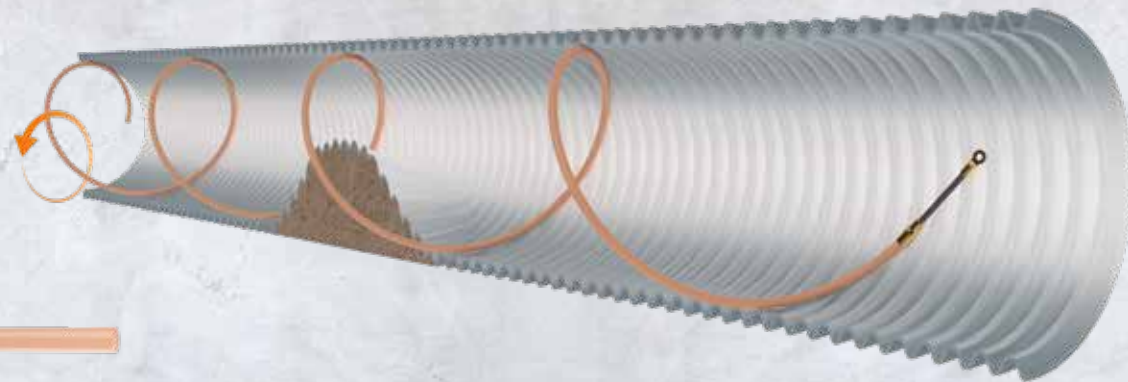
Turn control is indispensable for getting around possible obstacles, bends and other barriers the fish tape may encounter. It is a control characteristic.

When the fish tape is pushed and twisted at the same time, if the material remains firm it turns on its axis, and the movements made by the hands therefore reach the end, often finding the best route to push the cable through.

GREATER TWISTING STRENGTH, GREATER CONTROL OVER THE SITUACIÓN

STANDARD RANGE

Turn applied
20



NYLON / BI-NYLON

The material has an original curved shape and its behaviour in coils is excellent. When it is twisted at one end, a slight twisting movement is obtained at the other end.

Resulting turn

5

PREMIUM RANGE

Turn applied
20



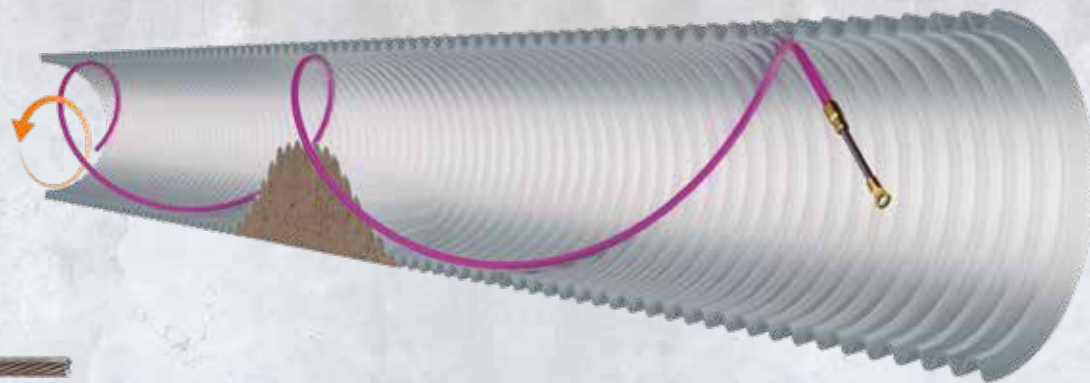
TWISTED POLYESTER

It turns very little on its own axis, and therefore transmits twisting strength very well. Monofilament twist offers better characteristics. This product gives excellent control over the work done. Triple twist may open slightly with extreme turning.

Resulting turn

15

Turn applied
20



COATED STEEL

The band is tightly twisted, thus offering good bending characteristics in any direction. However, flat band steel, being flat, has enhanced turning characteristics on one of its axes.

Resulting turn

10

Turn applied
20



FIBREGLASS

It is a very rigid material and perfectly transmits twisting strength along the entire length of the fish tape. It does not rotate on its own axis. We recommend increasing the diameter to the maximum for long distances and large pipes.

Resulting turn

20

MAIN FEATURES

PUSHING STRENGTH

It is important that all the pushing strength applied when a fish tape is inserted into a pipe be transmitted all along its entire length to the other end.

The most rigid materials and those with the largest diameter do not bend, meaning the pushing strength from one end is more easily transmitted to the fish tape head.

**GREATER PUSHING STRENGTH,
GREATER DISTANCE**

STANDARD RANGE

NYLON / BI-NYLON

These are monofilaments made with the material with the lowest pushing strength. In distances above 20 m their features are critical. When they encounter a major obstacle, they snake and occupy the entire pipe, mainly the 3 mm diameter ones, which are more flexible.

COATED STEEL

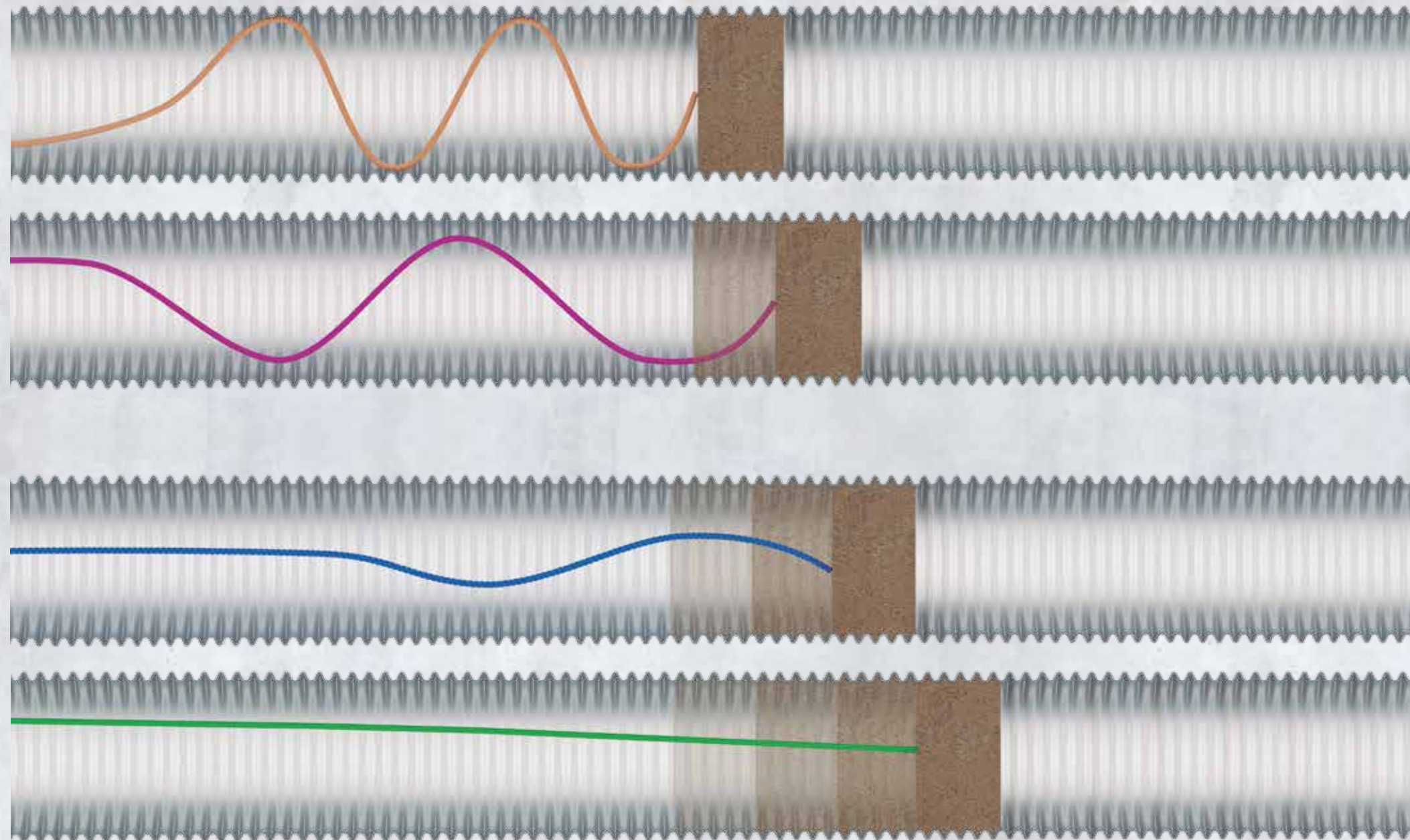
It has an excellent balance between flexibility and rigidity, giving it good features in terms of pushing strength. The round steel cable is heavier and can reach greater distances.

TWISTED POLYESTER

The monofilament twist is more rigid and permits greater pushing strength. It does not break when bent and easily regains its original shape without taking any damage. It can be used to reach longer distances.

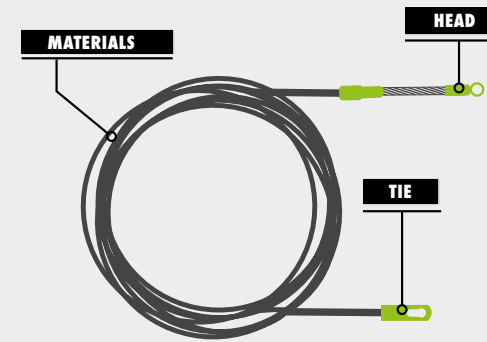
FIBREGLASS

It is the material with the greatest pushing strength because the rods are made of flexible fibreglass. If the pipe is large, we recommend the use of a large-diameter rod in order to avoid looping and kinking on the inside that could break the product.



KNOW YOUR FISH TAPE

A fish tape conduit rod is composed of an extremely flexible cable guide that can adapt to curves and difficult obstacles, an appropriate material and suitable length body and coupling tail for cable binding.



HEAD

- IT FACILITATES INSERTION
- IT REDUCES FRICTION
- IT HELPS YOU TO TURN
- IT AVOIDS INSTALLED CABLES
- IT MOVES AROUND OBSTACLES

TIE

- IT MAKES IT EASIER TO TIE CABLES
- IT HELPS TO CLEAR OBSTRUCTIONS
- IT PERMITS GREATER LOADS
- IT SAVES TIME

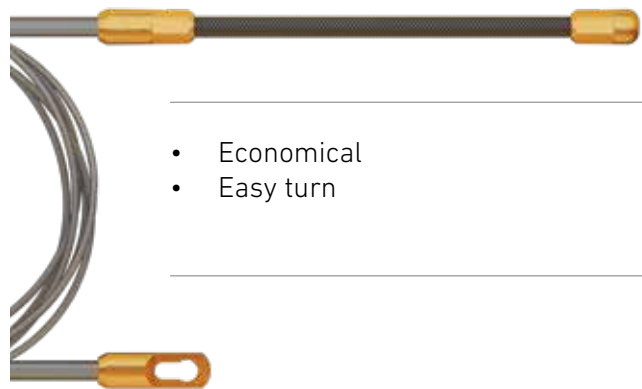
Anguila

A TRUE CLASSIC

- 25 YEARS TOGETHER ON THE MARKET.
- THE CONFIDENCE AND COMMITMENT THAT COMES WITH BEING THE LEADER.

FIXED TERMINALS

FIXED FLEXIBLE HEAD Ø6 mm



- Economical
- Easy turn

FIXED PULLING EYELET Ø6 mm

INTERCHANGEABLE TERMINALS

SCREW TERMINAL Ø6 mm M5



- Best price-quality ratio
- Great characteristics
- Time-saving

SCREW TERMINAL Ø6 mm M5

Anguila
MAX

INNOVATION IN FISH TAPE

- MIXED TERMINALS: MORE EFFECTIVE AND TIME-SAVING WORK.
- MORE RESISTANT MATERIALS. MORE DURABLE COATINGS.
- MORE ADAPTABLE LENGTHS: 7, 14, 21 m / 12, 22 m / 6, 12, 18 m.
- MULTIPLE ACCESSORIES INCLUDED.

MIXED TERMINALS

FIXED FLEXIBLE PULLING HEAD Ø8 mm M5

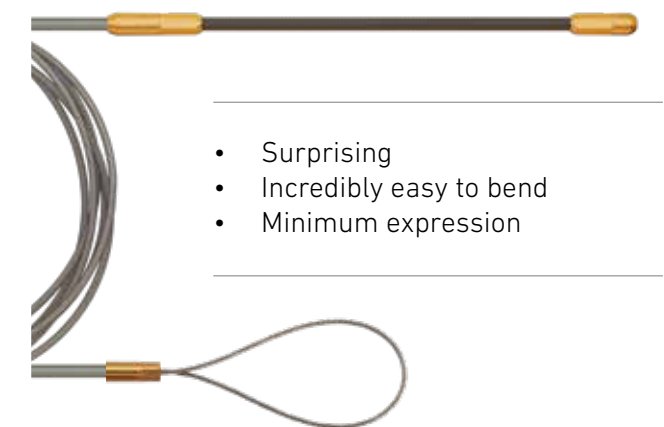


- All-in-one
- Speed: Push, tie and pull
- Versatility: For all accessories.

SCREW TERMINAL Ø6 mm M5

FIXED PULLING TERMINALS.

FIXED FLEXIBLE HEAD Ø5 mm



- Surprising
- Incredibly easy to bend
- Minimum expression

FIXED PULLING EYELET Ø5 mm



A TRUE CLASSIC

TERMINALS:

- FIXED
- INTERCHANGEABLE

LENGTHS:

- 5-10-15-20-25-30 m.



MATERIALS WITH INTERCHANGEABLE TERMINALS				ACCESSORIES INCLUDED
STANDARD RANGE	PREMIUM RANGE			
NYLON Solid Monofilament 	FLAT BAND STEEL Polypropylene-Coated ROUND STEEL CABLE Polypropylene-Coated 	FIBREGLASS ROD Polypropylene-Coated 	POLYESTER Monofilament Twisted POLYESTER Triple Twisted 	
1	1	1	1	4.1001.000
1	1	1	1	4.3001.000
2	2	2	2	TOTAL



INNOVATION IN FISH TAPE

TERMINALS:

- MIXED
- FIXED PULLING TERMINAL.

OPTIMISED LENGTHS:

- 7-14-21 m.
- 12-22 m.
- 6-12-18 m.



MATERIALS WITH MIXED TERMINALS				ACCESSORIES INCLUDED
STANDARD RANGE	PREMIUM RANGE			
BY-NYLON Solid Monofilament 	ROUND STEEL CABLE Nylon-Coated 	FIBREGLASS ROD Nylon-Coated 	POLYESTER Monofilament Twisted POLYESTER Triple Twisted 	
1	1	1	1	4.1001.000
		1	1	4.1001.002
		1	1	4.1001.003
1	1	1	1	4.6004.000
		2		4.8000.015
2	2	2	2	4.3001.000
		1	1	4.3001.001
		1	1	4.3001.002
4	4	10	8	TOTAL



FISH TAPE MONOFILAMENT NYLON

FIXED TERMINALS

NYLON SOLID MONOFILAMENT

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED	
3 mm	5 m	10	●	1.4003.005	-	
			●	1.4103.005		
	10 m	20	●	1.4003.010		
			●	1.4103.010		
	15 m	20	●	1.4003.015		
			●	1.4103.015		
	20 m	10	●	1.4003.020		
		●	1.4103.020			
25 m	10	●	1.4003.025			
		●	1.4103.025			
30 m	10	●	1.4003.030			
		●	1.4103.030			
4 mm	5 m	10	●	1.4004.005		-
			●	1.4104.005		
	10 m	20	●	1.4004.010		
			●	1.4104.010		
	15 m	20	●	1.4004.015		
			●	1.4104.015		
	20 m	20	●	1.4004.020		
		●	1.4104.020			
25 m	10	●	1.4004.025			
		●	1.4104.025			
30 m	10	●	1.4004.030			
		●	1.4104.030			



INTERCHANGEABLE TERMINALS

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED	
3 mm	5 m	10	●	1.2003.005	2 units	
			●	1.2103.005		
	10 m	20	●	1.2003.010		
			●	1.2103.010		
	15 m	20	●	1.2003.015		
			●	1.2103.015		
	20 m	20	●	1.2003.020		
		●	1.2103.020			
25 m	10	●	1.2003.025			
		●	1.2103.025			
30 m	10	●	1.2003.030			
		●	1.2103.030			
4 mm	5 m	10	●	1.2004.005		2 units
			●	1.2104.005		
	10 m	20	●	1.2004.010		
			●	1.2104.010		
	15 m	20	●	1.2004.015		
			●	1.2104.015		
	20 m	20	●	1.2004.020		
		●	1.2104.020			
25 m	10	●	1.2004.025			
		●	1.2104.025			
30 m	10	●	1.2004.030			
		●	1.2104.030			



FISH TAPE STEEL + POLYPROPYLENE

INTERCHANGEABLE TERMINALS

FLAT BAND STEEL + POLYPROPYLENE

ROUND STEEL CABLE + POLYPROPYLENE

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4 mm	10 m	10	●	2.0400.010	2 units
			●	6.0400.010	
	15 m	10	●	2.0400.015	
			●	6.0400.015	
	20 m	10	●	2.0400.020	
			●	6.0400.020	
	30 m	5	●	2.0400.030	
			●	6.0400.030	



Models available with VH250 Container with brake. See p. 28



FISH TAPE MONOFILAMENT NYLON

MIXED TERMINALS

BI-NYLON SOLID MONOFILAMENT

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4 mm	7 m	20		1.5240.007	4 units
	14 m	20	●	1.5240.014	
	21 m	20		1.5240.021	



Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4 mm	12 m	20		1.5240.012	4 units
	22 m	20	●	1.5240.022	

FISH TAPE STEEL+NYLON

MIXED TERMINALS

ROUND STEEL CABLE + NYLON

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4 mm	7 m	20		6.5040.007	4 units
	14 m	20	●	6.5040.014	
	21 m	20		6.5040.021	



Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4 mm	12 m	20		6.5040.012	4 units
	22 m	20	●	6.5040.022	

NOTE:

Detail of accessories included in pages 16 / 17.



FISH TAPE **FIBREGLASS + POLYPROPYLENE**

FIXED TERMINALS



FIBREGLASS + POLYPROPYLENE

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
3 mm	10 m	5	●	3.0300.010	2 units
	15 m	5		3.0300.015	
	20 m	5		3.0300.020	
	30 m	5		3.0300.030	



FIBREGLASS + POLYPROPYLENE

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
3.5 mm	10 m	5	●	3.0350.010	2 units
	15 m	5		3.0350.015	
	20 m	5		3.0350.020	
	30 m	5		3.0350.030	

Models available with VH250 Container with brake. See p. 28 - 29

FISH TAPE **TWISTED POLYESTER**

INTERCHANGEABLE TERMINALS



TRIPLE TWISTED POLYESTER

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4 mm	10 m	1	●	7.0400.010	2 units
	15 m	1		7.0400.015	
	20 m	1		7.0400.020	
	30 m	1		7.0400.030	



TRIPLE TWISTED POLYESTER

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4.5 mm	10 m	1	●	7.0450.010	2 units
	15 m	1		7.0450.015	
	20 m	1		7.0450.020	
	30 m*	1		7.0450.030	



POLYESTER MONOFILAMENT TWISTED

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4.5 mm	10 m	1	●	7.1450.010	2 units
	15 m	1		7.1450.015	
	20 m	1		7.1450.020	
	30 m*	1		7.1450.030	

Models available with VH450 Container with brake. See p. 29



FISH TAPE **FIBREGLASS + NYLON**

MIXED TERMINALS



REINFORCED FIBREGLASS + NYLON

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
3 mm	7 m	1	●	3.5030.007	10 units
	14 m	1		3.5030.014	
	21 m	1		3.5030.021	
Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
3 mm	12 m	1	●	3.5030.012	10 units
	22 m	1		3.5030.022	
	32 m	1		3.5030.032	

FISH TAPE **TWISTED POLYESTER**

MIXED TERMINALS



POLYESTER TRIPLE TWISTED

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4.5 mm	7 m	1	●	7.5045.007	8 units
	14 m	1		7.5045.014	
	21 m	1		7.5045.021	
Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4.5 mm	12 m	1	●	7.5045.012	8 units
	22 m	1		7.5045.022	



POLYESTER MONOFILAMENT TWISTED

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4.5 mm	7 m	1	●	7.5145.007	8 units
	14 m	1		7.5145.014	
	21 m	1		7.5145.021	
Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
4.5 mm	12 m	1	●	7.5145.012	8 units
	22 m	1		7.5145.022	
	32 m	1		7.5145.032	

FIXED PULLING TERMINALS



POLYESTER MONOFILAMENT TWISTED

Ø DIAMETER	LENGTH	UNITS/BOX	COLOUR	REF.	ACC. INCLUDED
3 mm	6 m	1	●	7.3300.006	-
	12 m	1		7.3300.012	
	18 m	1		7.3300.018	









NOTE:

Detail of accessories included in pages 16 / 17.





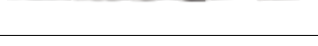

ACCESSORIES

FOR HOUSEHOLD FISH TAPES

FOR PUSHING THROUGH: HEADS

PRODUCT	DESCRIPTION	REF.	UNITS PACKING
	Standard Flexible Head Ø 6 mm, M5	4.1001.000	$\frac{10 \text{ units}}{50 \text{ units}}$
	Wide Flexible Head Ø 10 mm, M5	4.1001.001	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Super Flexible Head Ø 13 mm, M5	4.1001.002	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Swivelling Flexible Head Ø 7 mm, M5	4.1001.003	$\frac{1 \text{ ud.}}{5 \text{ units}}$
	Set of 3 Flexible Heads Ø 6, 10, 13 mm, M5	4.1001.005	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Flexible Pulling Head (100 kg) Ø 6 mm, M5	4.1005.000	$\frac{1 \text{ ud.}}{5 \text{ units}}$
	Flexible Pulling Head (100 kg) Ø 8 mm, M5	4.1007.000	$\frac{1 \text{ ud.}}{5 \text{ units}}$
	Perforating Head Ø 6 mm, M5	4.1008.000	$\frac{1 \text{ unit}}{5 \text{ units}}$








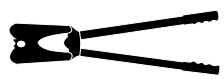


FOR PULLING: EYELETS, LOOPS AND PULLING GRIPS

PRODUCT	DESCRIPTION	REF.	UNITS PACKING
	Standard Eyelet Ø 6 mm, M5	4.3001.000	$\frac{10 \text{ units}}{50 \text{ units}}$
	Brass Eyelet Ø 10 mm, M5	4.3001.001	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Steel Loop Ø 6 mm, M5	4.3001.002	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Triple Steel Loop Ø 6 mm, M5	4.3001.003	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Pulling grip (sockets) for cables of Ø 4-9 mm Ø 6 mm, M5	4.7001.000	1 unit
	Pulling grip (sockets) for cables of Ø 9-15 mm Ø 6 mm, M5	4.7001.001	1 unit

COUPLING JOINTS: FIXED AND SWIVEL

PRODUCT	DESCRIPTION	REF.	UNITS PACKING
	Fixed Brass Coupling Joint Ø 6 mm, M5 – M5 Double Thread	4.6004.000	$\frac{1 \text{ unit}}{10 \text{ units}}$
	Aluminium Swivel coupling joint Ø 14 mm, M5 – M5	4.6005.000	1 unit

REPAIR ITEMS FOR FIBRE

PRODUCT	DESCRIPTION	REF.	UNITS PACKING
	Brass screw terminal for Ø 3.0 mm Fibre Ø 6 mm, M5	4.8000.015	$\frac{1 \text{ unit}}{10 \text{ units}}$
	Brass screw terminal for Ø 3.5 mm Fibre Ø 6 mm, M5	4.8000.001	$\frac{1 \text{ unit}}{10 \text{ units}}$
	Ø 3.0 mm Fibre Terminal Repair Kit (1 set) * Does not include adhesive.	4.8015.000	1 unit
	Ø 3.5 mm Fibre Terminal Repair Kit (1 set) * Does not include adhesive.	4.8001.000	1 unit
	Simple Join Kit for Ø 3.0 mm Fibre (3 units)	4.8006.001	1 unit
	Simple Join Kit for Ø 3.5 mm Fibre (3 units)	4.8006.000	1 unit
	Adhesive for Fibre 5 ml	4.8100.000	1 unit
	Small Crimping Pliers 38 cm Ø 6/8 mm Fibre Terminal Repair (matrices for repair not included)	4.8501.000	1 unit
	Set of 2 Matrices for Repair Ø 6/8 mm Fibre Terminals Hexagonal Bolting	4.8502.001	2 units
	Set of 2 Matrices for Repair Ø 6/8 mm Fibre Terminals Circular Bolting	4.8502.002	2 units



INDUSTRIAL FISH TAPES AND CONDUIT RODS

- PIPES : Ø40 TO 200 mm
- LENGTHS : UP TO 300 m

Suitable for outside installations with long conduit runs requiring flexible and heavy duty large diameter products.

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Anguila

SELECTION GUIDE MATERIALS

OUR RANGE OF MATERIALS IS OUR GUARANTEE OF SATISFACTION.
WE HELP YOU TO CHOOSE. CHOOSE WELL.



Diameters medium and large
Lengths: up to 300 m
For pipes with a diameter up
to Ø 200 mm

FEATURES															
GENERAL				PUSHING			PULLING			RECOMMENDATIONS					
MATERIALS	MATERIAL DIAMETER Ø mm	COLOUR	AVERAGE DURABILITY	EASY INSERTION	DIAMETER OF TURN Ø cm	EASY TURN	PUSHING STRENGTH	TWISTING STRENGTH	FRICITION	TENSILE STRENGTH	BREAKING STRENGTH	IDEAL PIPE Ø mm	OPTIMAL LENGTH m		
MATERIAL FOR INDUSTRIAL INSTALLATIONS															
A	FLAT BAND STEEL Polypropylene-Coated		6 mm	●	Long	★☆☆☆☆	12 cm	High	Normal	High	Low	350 kg	★★★★☆	50 - 90 mm	20 - 50 m
			10 mm	●	Very Long	★☆☆☆☆	25 cm	Normal	Normal	High	Low	1000 kg	★★★★☆	90 - 140 mm	50 - 80 m
B	FIBREGLASS ROD Polypropylene-Coated		4.5 mm	●	Medium	★★★★☆	10 cm	High	High	Very High	Minimum on straight line	120 kg	★★★☆☆	40 - 90 mm	20 - 30 m
			6 mm	●	Medium	★★★★☆	15 cm	Normal	High	Very High	Minimum on straight line	200 kg	★★★☆☆	50 - 140 mm	30 - 50 m
			9 mm	●	Medium	★★★★☆	30 cm	Low	Very High	Very High	Minimum on straight line	350 kg	★★★☆☆	63 - 200 mm	50 - 120 m
			11 mm	●	Medium	★★★★☆	40 cm	Low	Very High	Very High	Minimum on straight line	500 kg	★★★☆☆	63 - 200 mm	50 - 200 m
			14 mm	●	Medium	★★★★☆	60 cm	Low	Maximum	Very High	Minimum on straight line	600 kg	★★★★☆	63->200 mm	150 - 300 m
C	POLYESTER TRIPLE TWIST		6 mm	●	Very Long	★★★★★	6 cm	Very High	Very High	High	Minimum	300 kg	★★★★☆	40 - 80 mm	20 - 50 m
	POLYESTER MONOFILAMENT TWISTED		6 mm	●	Maximum	★★★★★	8 cm	High	Very High	Very High	Minimum	350 kg	★★★★☆	50 - 140 mm	30 - 80 m

★ Normal ★★ Good ★★★ Very good ★★★★ Excellent ★★★★★ Maximum

SMALL DIAMETERS

LENGTH UP TO 50 m



COATED STEEL

INTERCHANGEABLE TERMINALS

FISH TAPE FLAT BAND STEEL + POLYPROPYLENE



Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
4 mm	40 m	-	1.00	●	2.0400.040	A+B
	50 m	-	1.30		2.0400.050	
4 mm	10 m	VH250	0.90	●	2.0416.010	A+B
	15 m	VH250	1.00		2.0416.015	
	20 m	VH250	1.10		2.0416.020	
	30 m	VH250	1.40		2.0416.030	
	40 m	VH250	1.65		2.0416.040	
	50 m	VH250	1.90		2.0416.050	



FISH TAPE ROUND STEEL CABLE + POLYPROPYLENE



Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
4 mm	40 m	-	1.50	●	6.0400.040	A+B
	50 m	-	1.90		6.0400.050	
4 mm	10 m	VH250	1.00	●	6.0416.010	A+B
	15 m	VH250	1.20		6.0416.015	
	20 m	VH250	1.35		6.0416.020	
	30 m	VH250	1.75		6.0416.030	
	40 m	VH250	2.10		6.0416.040	
	50 m	VH250	2.50		6.0416.050	



COATED FIBREGLASS ROD

INTERCHANGEABLE TERMINALS

FISH TAPE FIBREGLASS + POLYPROPYLENE



Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
3 mm	40 m	-	0.40	●	3.0300.040	A+B
	50 m	-	0.50		3.0300.050	
3 mm	10 m	VH250	0.70	●	3.3016.010	A+B
	15 m	VH250	0.75		3.3016.015	
	20 m	VH250	0.80		3.3016.020	
	30 m	VH250	0.90		3.3016.030	
	40 m	VH250	1.00		3.3016.040	
	50 m	VH250	1.10		3.3016.050	



ACCESSORIES INCLUDED

- A** 1x Flexible Pulling Head, Ø 6 mm, M5 REF. 4.1001.000
- B** 1x Standard Eyelet, Ø 6 mm, M5 REF. 4.3001.000
- C** 1x Aluminium Head Ø 30 mm M5 REF. 4.2001.000



COATED FIBREGLASS ROD

INTERCHANGEABLE TERMINALS



FISH TAPE FIBREGLASS + POLYPROPYLENE

Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
3.5 mm	40 m	-	0.60	●	3.0350.040	A+B
	50 m	-	0.75		3.0350.050	
3.5 mm	10 m	VH250	0.75	●	3.3516.010	A+B
	15 m	VH250	0.85		3.3516.015	
	20 m	VH250	0.90		3.3516.020	
	30 m	VH250	1.05		3.3516.030	
	40 m	VH250	1.20		3.3516.040	
4.5 mm	10 m	-	0.25	●	3.0450.010	A+B+C
	20 m	-	0.50		3.0450.020	
	30 m	-	0.70		3.0450.030	
	40 m	-	0.95		3.0450.040	
	50 m	-	1.15		3.0450.050	
	60 m	-	1.40		3.0450.060	
4.5 mm	30 m	VH450	3.60	●	3.0419.030	A+B+C
	40 m	VH450	3.84		3.0419.040	
	50 m	VH450	4.10		3.0419.050	
	60 m	VH450	4.30		3.0419.060	
	80 m	VH450	4.75		3.0419.080	

TWISTED POLYESTER

INTERCHANGEABLE TERMINALS



FISH TAPE TRIPLE TWISTED POLYESTER

Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
4.5 mm	40 m	-	0.85	●	7.0450.040	A+B+C
	50 m	-	1.05		7.0450.050	
	60 m	-	1.25		7.0450.060	
4.5 mm	30 m	VH450	3.55	●	7.0419.030	A+B+C
	40 m	VH450	3.75		7.0419.040	
	50 m	VH450	3.95		7.0419.050	
	60 m	VH450	4.20		7.0419.060	

FISH TAPE MONOFILAMENT TWISTED POLYESTER

Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
4.5 mm	40 m	-	0.80	●	7.1450.040	A+B+C
	50 m	-	1.00		7.1450.050	
	60 m	-	1.20		7.1450.060	
4.5 mm	30 m	VH450	3.50	●	7.1419.030	A+B+C
	40 m	VH450	3.70		7.1419.040	
	50 m	VH450	3.90		7.1419.050	
	60 m	VH450	4.10		7.1419.060	

MEDIUM DIAMETERS

LENGTH UP TO 100 m



COATED STEEL

INTERCHANGEABLE TERMINALS

FISH TAPE **FLAT BAND STEEL + POLYPROPYLENE**



Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
6 mm	10 m	-	0.75	●	2.0600.010	C+D+E
	20 m	-	1.40		2.0600.020	
	30 m	-	2.15		2.0600.030	
	40 m	-	2.70		2.0600.040	
	50 m	-	3.30		2.0600.050	
	60 m	-	4.15		2.0600.060	
	80 m	-	5.30		2.0600.080	
	100 m	-	6.45		2.0600.100	
6 mm	40 m	H450	6.10	●	2.0602.040	C+D+E
	50 m	H450	6.70		2.0602.050	
	60 m	H620	9.15		2.0603.060	
	80 m	H620	10.30		2.0603.080	
	100 m	H620	11.45		2.0603.100	
	6 mm	50 m	VH600		8.50	
60 m	VH600	9.35	2.0617.060			
80 m	VH600	10.50	2.0617.080			
100 m	VH600	11.65	2.0617.100			

COATED FIBREGLASS ROD

INTERCHANGEABLE TERMINALS

FISH TAPE **FIBREGLASS + POLYPROPYLENE**



Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
6 mm	20 m	-	0.90	●	3.0600.020	C+D+E
	30 m	-	1.30		3.0600.030	
	40 m	-	1.70		3.0600.040	
	50 m	-	2.15		3.0600.050	
	60 m	-	2.55		3.0600.060	
	80 m	-	3.35		3.0600.080	
	100 m	-	4.15		3.0600.100	
	6 mm	40 m	VH600		6.90	
50 m		VH600	7.35	3.0617.050		
60 m		VH600	7.75	3.0617.060		
80 m		VH600	8.55	3.0617.080		
100 m		VH600	9.35	3.0617.100		

ACCESSORIES INCLUDED

- C** 1x Aluminium Head Ø 30 mm M5 REF. 4.2001.000
- D** 1x Flexible Pulling Head, Ø 8 mm, M5 REF. 4.1002.000
- E** 1x Brass Eyelet, Ø 8 mm, M5 REF. 4.3002.000



TWISTED POLYESTER

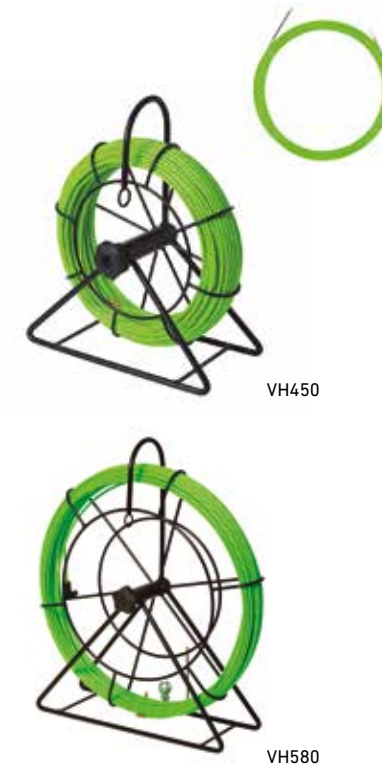
INTERCHANGEABLE TERMINALS

FISH TAPE **TRIPLE TWISTED POLYESTER**



Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
6 mm	20 m	-	0.70	●	7.0600.020	C+D+E
	30 m	-	1.00		7.0600.030	
	40 m	-	1.30		7.0600.040	
	50 m	-	1.60		7.0600.050	
	60 m	-	1.90		7.0600.060	
	6 mm	20 m	VH450		3.60	
30 m		VH450	3.90	7.0619.030		
40 m		VH450	4.20	7.0619.040		
50 m		VH450	4.50	7.0619.050		
60 m		VH450	4.80	7.0619.060		

FISH TAPE **MONOFILAMENT TWISTED POLYESTER**



Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
6 mm	20 m	-	0.80	●	7.1600.020	C+D+E
	30 m	-	1.20		7.1600.030	
	40 m	-	1.55		7.1600.040	
	50 m	-	1.90		7.1600.050	
	60 m	-	2.30		7.1600.060	
	80 m	-	3.00		7.1600.080	
	100 m	-	3.75		7.1600.100	
	6 mm	20 m	VH450		3.75	
30 m		VH450	4.10	7.1619.030		
40 m		VH450	4.50	7.1619.040		
6 mm	50 m	VH580	1,5 cm	●	7.1614.050	C+D+E
	60 m	VH580	5.90		7.1614.060	
	80 m	VH580	6.65		7.1614.080	
	100 m	VH580	7.40		7.1614.100	

LARGE DIAMETERS

LENGTH UP TO 300 m



COATED STEEL

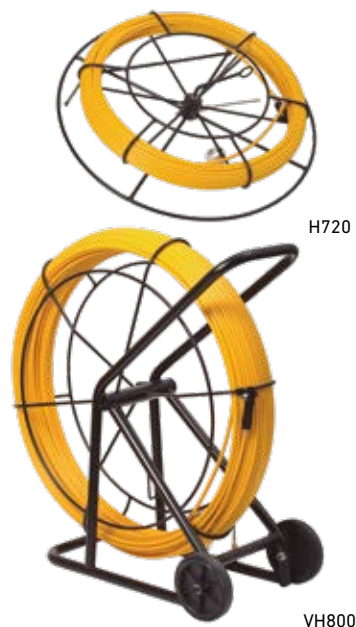
INTERCHANGEABLE TERMINALS



FISH TAPE FLAT BAND STEEL + POLYPROPYLENE						
Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
10 mm	40 m	H720	12.10	●	2.1004.040	F+G
	50 m	H720	13.60		2.1004.050	
	60 m	H720	15.10		2.1004.060	
10 mm	60 m	VH800	18.20	●	2.1015.060	F+G
	80 m	VH800	21.10		2.1015.080	
	100 m	VH800	24.00		2.1015.100	
	120 m	VH800	26.95		2.1015.120	
	150 m	VH800	31.40		2.1015.150	

COATED FIBREGLASS ROD

INTERCHANGEABLE TERMINALS



FISH TAPE FIBREGLASS + POLYPROPYLENE						
Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
9 mm	40 m	H720	10.00	●	3.0904.040	F+H
	50 m	H720	11.00		3.0904.050	
	60 m	H720	12.00		3.0904.060	
9 mm	50 m	VH800	14.10	●	3.0915.050	F+H
	60 m	VH800	15.10		3.0915.060	
	80 m	VH800	16.70		3.0915.080	
	100 m	VH800	19.00		3.0915.100	
	120 m	VH800	21.05		3.0915.120	
	150 m	VH800	23.90		3.0915.150	
	180 m	VH800	26.95		3.0915.180	

ACCESSORIES INCLUDED

- F** 1x Flexible Pulling Head, Ø 14 mm, M12 REF. 4.1004.000
- G** 1x Aluminium Head Ø 30 mm M12 REF. 4.2007.000
- H** 1x Aluminium Head Ø 53 mm M12 REF. 4.2003.000



COATED FIBREGLASS ROD

INTERCHANGEABLE TERMINALS



FISH TAPE FIBREGLASS + POLYPROPYLENE						
Ø DIAMETER	LENGTH	CONTAINER	WEIGHT kg.	COLOUR	REF.	ACC. INCLUDED
11 mm	40 m	VH800	14.80	●	3.1115.040	F+H
	50 m	VH800	16.30		3.1115.050	
	60 m	VH800	17.80		3.1115.060	
11 mm	80 m	VH800	20.85	●	3.1115.080	F+H
	100 m	VH800	23.90		3.1115.100	
	120 m	VH1000	32.65		3.1118.120	
	150 m	VH1000	37.15		3.1118.150	
	200 m	VH1000	44.60		3.1118.200	
11 mm	250 m	VH1000	52.00	●	3.1118.250	F+H
	300 m	VH1000	59.45		3.1118.300	

Ø 14 mm, available to order












NOTES:

1. Fibreglass is a delicate material and can easily break. Use carefully avoiding excessive looping, kinking and folding.
2. For your safety and better handling of the product we recommend you always use a container for lengths over 40 m.








ACCESSORIES

FOR INDUSTRIAL FISH TAPES AND CONDUIT RODS




FOR PUSHING THROUGH: HEADS

PRODUCT	DESCRIPTION	REF.	PACKING
	Flexible Head Ø8 mm, M5	4.1002.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Flexible Pulling Head (100 kg) Ø8 mm, M5	4.1002.001	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Flexible Head Ø14 mm, M12	4.1004.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium Head Ø30 mm, M5	4.2001.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium Head Ø30 mm, M12	4.2007.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium Head Ø53 mm, M12	4.2003.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Hooking joint + Head Ø30 mm, M5	4.2004.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Hooking joint + Head Ø53 mm, M12	4.2006.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Hooking joint + Head Ø30 mm, M12	4.2008.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Metal brush Ø100 mm, M12	4.4001.000	1 unit
	Perforating Head Ø8 mm M5	4.1008.002	$\frac{1 \text{ unit}}{5 \text{ units}}$

FOR PULLING: EYELETS, LOOPS AND SHACKLES

PRODUCT	DESCRIPTION	REF.	PACKING
	Brass Eyelet Ø8 mm, M5	4.3002.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium shackle Ø30 mm, M5	4.3003.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium shackle Ø53 mm, M12	4.3005.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium shackle Ø30 mm, M12	4.3009.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium Hooking Joint M5	4.3006.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium Hooking Joint M12	4.3008.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium Hooking Joint M12	4.3010.000	$\frac{1 \text{ unit}}{5 \text{ units}}$

















COUPLING JOINTS: FIXED AND SWIVEL

PRODUCT	DESCRIPTION	REF.	PACKING
	Rotating Aluminium Union Ø25 mm, M12 – M12	4.6003.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Aluminium Swivel coupling joint Ø15 mm, M5 – M5	4.6005.000	$\frac{1 \text{ unit}}{5 \text{ units}}$
	Fixed Brass Coupling Joint Ø8 mm, M5 – M5	4.6006.000	$\frac{1 \text{ unit}}{5 \text{ units}}$

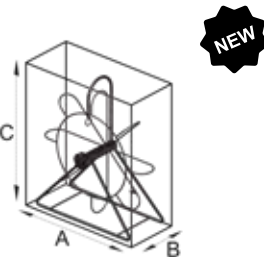
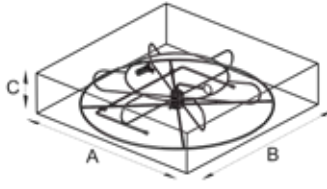
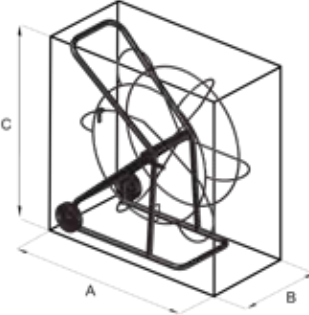
ACCESSORIES

FOR INDUSTRIAL FISH TAPES AND CONDUIT RODS

REPAIR ITEMS FOR FIBRE

PRODUCT	DESCRIPTION	REF.	PACKING
	Brass Screw Terminal for Fibre Ø 4.5 mm, Ø 8 mm, M5	4.8000.002	1 unit
	Brass Screw Terminal for Fibre Ø 6 mm, Ø 8 mm, M5	4.8000.003	1 unit
	Fibre Terminal Repair Kit Ø 4.5 mm (1 set) * Does not include adhesive	4.8002.000	1 unit
	Fibre Terminal Repair Kit Ø 6 mm (1 set) * Does not include adhesive	4.8003.000	1 unit
	Brass Screw Terminal for Fibre Ø 9 mm, Ø 14 mm, M12	4.8000.004	1 unit
	Brass Screw Terminal for Fibre Ø 11 mm, Ø 14 mm, M12	4.8000.005	1 unit
	Fibre Terminal Repair Kit Ø 9 mm	4.8004.000	1 unit
	Fibre Terminal Repair Kit Ø 11 mm	4.8005.000	1 unit
	Simple Join Kit for Fibre Ø 4.5 mm (2 units)	4.8007.000	1 unit
	Simple Join Kit for Fibre Ø 6 mm (2 units)	4.8008.000	1 unit
	Simple Join Kit for Fibre Ø 9 mm	4.8009.000	1 unit
	Simple Join Kit for Fibre Ø 11 mm	4.8010.000	1 unit
	Adhesive for Fibre 5 ml	4.8100.000	1 unit
	Small Crimping Pliers 38 cm Ø 6/8 mm Fibre Terminal Repair (matrices for repair not included)	4.8501.000	1 unit
	Set of 2 Matrices for Repair Ø 6/8 mm Fibre Terminals Hexagonal Bolting	4.8502.001	2 units
	Set of 2 Matrices for Repair Ø 6/8 mm Fibre Terminals Circular Bolting	4.8502.002	2 units

EMPTY CONTAINERS


SERIES	VH-V SERIES				H SERIES			VH-T SERIES		
										
MODEL	VH-250	VH-350	VH-450	VH-580	H-450	H-620	H-720	VH-600	VH-800	VH-1000
REFERENCE	4.5016.000	4.5013.000	4.5019.000	4.5014.000	4.5002.000	4.5003.000	4.5004.000	4.5017.000	4.5015.000	4.5018.000
CONTAINER DIMENSIONS (cm)										
A	25	35	45	58	45	62	72	58	78	97
B	11.5	18	18	18	45	62	72	19	28	38
C	30	41	51	65	13.5	13.5	15.5	69	81	103
PACKING DIMENSIONS (cm)										
A	25.5	36.5	46.5	58.5	45.5	63	73	60	80	100
B	14	19	19	21	47	65	75	20	30	40
C	34	45	54	68	15	15	16.5	71	86	105
NET WEIGHT										
kg	0.6	2.3	2.9	3.6	3.4	5.0	5.6	5.2	8.7	14.8
WHEELS AND BRAKES										
WHEELS	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES
BRAKE	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES

SPARE PARTS – RODS



INTERCHANGEABLE TERMINALS

SMALL DIAMETERS – LENGTH UP TO 50 m



FIBREGLASS + POLYPROPYLENE

Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 29)
				REF.	REF.
4.5 mm	10 m			3.0459.010	3.0450.010
	20 m			3.0459.020	3.0450.020
	30 m			3.0459.030	3.0450.030
	40 m			3.0459.040	3.0450.040
	50 m			3.0459.050	3.0450.050
	60 m			3.0459.060	3.0450.060
	80 m			3.0459.080	3.0450.080

TRIPLE TWISTED POLYESTER



Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 29)
				REF.	REF.
4.5 mm	40 m			7.0459.040	7.0450.040
	50 m			7.0459.050	7.0450.050
	60 m			7.0459.060	7.0450.060

MONOFILAMENT TWISTED POLYESTER



Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 29)
				REF.	REF.
4.5 mm	40 m			7.1459.040	7.1450.040
	50 m			7.1459.050	7.1450.050
	60 m			7.1459.060	7.1450.060

MEDIUM DIAMETERS – LENGTH UP TO 100 m



FLAT BAND STEEL + POLYPROPYLENE

Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 30)
				REF.	REF.
6 mm	10 m			2.0609.010	2.0600.010
	20 m			2.0609.020	2.0600.020
	30 m			2.0609.030	2.0600.030
	40 m			2.0609.040	2.0600.040
	50 m			2.0609.050	2.0600.050
	60 m			2.0609.060	2.0600.060
	100 m			2.0609.100	2.0600.100



FIBREGLASS ROD + POLYPROPYLENE

Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 30)
				REF.	REF.
6 mm	20 m			3.0609.020	3.0600.020
	30 m			3.0609.030	3.0600.030
	40 m			3.0609.040	3.0600.040
	50 m			3.0609.050	3.0600.050
	60 m			3.0609.060	3.0600.060
	80 m			3.0609.080	3.0600.080
	100 m			3.0609.100	3.0600.100

TRIPLE TWISTED POLYESTER



Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 31)
				REF.	REF.
6 mm	20 m			7.0609.020	7.0600.020
	30 m			7.0609.030	7.0600.030
	40 m			7.0609.040	7.0600.040
	50 m			7.0609.050	7.0600.050
	60 m			7.0609.060	7.0600.060

MONOFILAMENT TWISTED POLYESTER



Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 31)
				REF.	REF.
6 mm	20 m			7.1609.020	7.1600.020
	30 m			7.1609.030	7.1600.030
	40 m			7.1609.040	7.1600.040
	50 m			7.1609.050	7.1600.050
	60 m			7.1609.060	7.1600.060
	80 m			7.1609.080	7.1600.080
	100 m			7.1609.100	7.1600.100

LARGE DIAMETERS – LENGTH UP TO 300 m



FLAT BAND STEEL + POLYPROPYLENE

Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 32)
				REF.	REF.
10 mm	40 m			2.1009.040	2.1000.040
	50 m			2.1009.050	2.1000.050
	60 m			2.1009.060	2.1000.060
	80 m			2.1009.080	2.1000.080
	100 m			2.1009.100	2.1000.100
	120 m			2.1009.120	2.1000.120
	150 m			2.1009.150	2.1000.150

FIBREGLASS ROD + POLYPROPYLENE

Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 32)
				REF.	REF.
9 mm	40 m			3.0909.040	3.0900.040
	50 m			3.0909.050	3.0900.050
	60 m			3.0909.060	3.0900.060
	70 m			3.0909.070	3.0900.070
	80 m			3.0909.080	3.0900.080
	100 m			3.0909.100	3.0900.100
	120 m			3.0909.120	3.0900.120
	150 m			3.0909.150	3.0900.150
	180 m			3.0909.180	3.0900.180

FIBREGLASS ROD + POLYPROPYLENE

Ø DIAMETER	LENGTH	COLOUR	MATERIALS	WITHOUT ACCESSORIES	WITH ACCESSORIES (p. 33)
				REF.	REF.
11 mm	40 m			3.1109.040	3.1100.040
	50 m			3.1109.050	3.1100.050
	60 m			3.1109.060	3.1100.060
	70 m			3.1109.070	3.1100.070
	80 m			3.1109.080	3.1100.080
	100 m			3.1109.100	3.1100.100
	120 m			3.1109.120	3.1100.120
	150 m			3.1109.150	3.1100.150
	180 m			3.1109.180	3.1100.180
	200 m			3.1109.200	3.1100.200
	300 m			3.1109.300	3.1100.300

Ø 14 mm Available to order.



LUBRICANTS AND CLEANERS

MAKE WORK EASIER, SAVE TIME AND CUT COSTS.
THE BEST AIDS FOR THE INSTALLER.

LUBRICANTS FOR CABLES	42
INSERTION OF (NEW) CABLES	
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CLEANERS FOR FIBRE OPTIC*	
INDOOR SURFACES	

Avovila
COMPLEMENTOS

*Available to order.



LUBRICANTS FOR CABLES

DUPLOGEL INTRODUCIR

FOR THE INSTALLATION OF (NEW) CABLES

It facilitates the insertion of the cables in underground installations.

- Thick, almost gelatinous, water-based lubricant gel.
- It eliminates up to 80% of friction between cables and pipe walls and other cables already installed.
- No glue effect. No clogged cables.
- It evaporates leaving no waste.
- Non-toxic, inert, non-flammable.
- It does not harm the skin. Non-irritant.
- Working temperature: -10 °C to + 50 °C



INSTRUCTIONS FOR USE:

From the outside, apply lubricant onto a sponge and wipe the entire cable with it, beginning at one end and covering the entire length of the cable to be installed.

PRODUCT	UNITS/BOX	REF.
DUPLOGEL INTRODUCIR Lubricant Gel 500cc	12	4.6015.000
DUPLOGEL INTRODUCIR Lubricant Gel 1000cc	12	4.6016.000
DUPLOGEL INTRODUCIR Lubricant Gel 5000cc	1	4.6017.000
DUPLOGEL INTRODUCIR Lubricant Gel 25 LITRES (PAIL)	1	4.6019.000

AEROSOL LUBRICANT FOAM

FOR THE INSTALLATION OF (NEW) CABLES

It lubricates the pipe to ease the entry of new cables.

- It is applied inside the pipe before the cables are inserted.
- Greater contact between the lubricating foam and the cable.
- The cables drag the lubricating foam all along the pipe, thus facilitating foam penetration.
- It eliminates up to 80% of friction between cables and pipe walls and other cables already installed.
- Clean, quick and practical. No spilling.
- No glue effect. No clogged cables.
- It evaporates leaving no waste.
- Biodegradable. Non-toxic, harmless.
- It does not harm the skin. Non-irritant.
- The product is non-flammable (only the propellant gases are flammable).
- Working temperature: 0 °C to + 50 °C



INSTRUCTIONS FOR USE:

Shake before use.

Fit the nozzle into the valve and insert it into the pipe, keeping the aerosol can upright.

Press the spray for a few seconds and the lubricant foam will penetrate into the pipe directly for a couple of metres, depending on the amount applied. Then push the cable through.

PRODUCT	UNITS/BOX	REF.
Aerosol Lubricant Foam 400 ml	12	4.6030.000
Extra-long NOZZLE KIT for Lubricant Foam	1	4.6030.001

DUPLOGEL EXTRAER

FOR THE REMOVAL OF (OLD) CABLES

It eases the removal of cables already installed in trunking and pipes.

- Highly fluid water-based lubricant.
- It reduces friction and makes it possible to release trapped cables inside the pipe.
- No glue effect.
- It evaporates leaving no waste.
- Non-toxic, inert, non-flammable.
- It does not harm the skin. Non-irritant.
- Working temperature: -4 °C to + 60 °C



INSTRUCTIONS FOR USE:

Pour enough product to cover the entire cable route in through the top of the trunking.

If it does not flow directly from top to bottom and along bends or elbows, blow in air to facilitate distribution.

Allow the product to act for a few minutes and then pull the cable out.

PRODUCT	UNITS/BOX	REF.
DUPLOGEL EXTRAER Lubricant Gel 500 cc	12	4.6020.000
DUPLOGEL EXTRAER Lubricant Gel 25 LITRES	1	4.6025.000



LUBRICANTS FOR FIBRE

FILUB-F

FOR PULLING INSTALLATIONS

Reduces friction by up to 90% in the laying of underground cables and FO.

This lubricant is specific for installations of fibre-optic and all types of electrical and communications cables, normally by means of pulling procedures.

Thanks to its consistence, fluidity and very low level of evaporation, it is recommended for cable installations in plastic pipes and in conduits several kilometres long without any breaks (up to 6000 consecutive metres have been laid).

- Consistent, fluid, semitransparent, green.
- Slight smell of soap.
- Low level of evaporation.
- It protects cables and fibre optic from ageing.
- The lubricant effect lasts for years after application.
- It adheres perfectly to the cable and fibre optic surface.
- Its lubricant effect is maintained even if used in the presence of water.
- Approximate consumption of 5 to 10 g per metre installed.
- pH 8.5 – 9
- Working temperature: -20 °C to + 65 °C
- Biodegradable above 95%.
- Non-toxic
- Ideal for long installations: 800 m - 2000 m
- It is also indicated for facilitating the insertion of micro/mini trunking inside the conduit and for blowing installations.



PRODUCT	UNITS/BOX	REF.
FILUB – F Lubricant, High-Performance 1 kg Bottle	15	4.6042.000
FILUB – F Lubricant, High-Performance 5 kg Tank	1	4.6042.001
FILUB – F Lubricant, High-Performance 25 kg Tank	1	4.6042.002

We have technical documentation for the laying of FO (fibre-optic) cables

FILUB-S

FOR BLOWING INSTALLATIONS

Specific for FO blowing installations in conduits from Ø 20 mm - 50 mm.

- Special water-based lubricant and emulsion with different types of polymer.
- High-performance lubricant effect.
- It drastically reduces friction.
- SEMI-GEL. White, slightly viscous liquid.
- No glue effect.
- It adheres to the entire cable surface or to the inside of the conduit perfectly, forming a fine film.
- Used as a cable lubricant or conduit pre-lubricant.
- Non-flammable. Non-toxic Biodegradable.
- pH 7.5 +/- 0.5
- Working temperature: -10 °C to + 70 °C
- It is also indicated for facilitating the insertion of micro-/ mini trunking inside the conduit.



ESTIMATED CONSUMPTION (LENGTH OF 1000 m):

INNER DIAMETER OF CONDUIT Ø mm	QUANTITY OF PRODUCT ml
Ø 20 - 30 mm	60 ml
Ø 30 - 40 mm	70 ml
Ø 40 - 50 mm	100 ml

INSTRUCTIONS FOR USE:

Shake before use and apply a suitable quantity into the conduit.

To pre-lubricate the conduit, insert a small sponge and blow with compressed air.

The product can be blown together with the fibre optic if an air-blowing installation machine is used.

PRODUCT	UNITS/BOX	REF.
FILUB – S Lubricant, Conduits Ø 20 - 50 mm 1 kg Bottle	12	4.6043.000
FILUB – S Lubricant, Conduits Ø 20 - 50 mm 5 kg Tank	1	4.6043.001
FILUB – S Lubricant, Conduits Ø 20 - 50 mm 25 kg Tank	1	4.6043.002

Consumption may vary depending on the type of conduit and its layout.

FILUB-S MINI

FOR BLOWING INSTALLATIONS

Specific for FO blowing installations in mini/micro conduits from Ø 4 mm - 12 mm.

- Special water-based lubricant and emulsion with different types of polymer.
- High-performance lubricant effect.
- It drastically reduces friction.
- SEMI-LIQUID. White, slightly viscous liquid.
- No glue effect.
- It adheres to the entire cable surface or to the inside of the conduit perfectly, forming a fine film.
- Used as a cable lubricant or conduit pre-lubricant.
- Non-flammable.
- pH 7.5 +/- 0.5
- Working temperature: 0 °C to + 70 °C



ESTIMATED CONSUMPTION (LENGTH OF 1000 m):

INNER DIAMETER OF CONDUIT Ø mm	QUANTITY OF PRODUCT ml
Ø 4 mm	5 ml
Ø 8 mm	10 ml
Ø 12 mm	15 ml

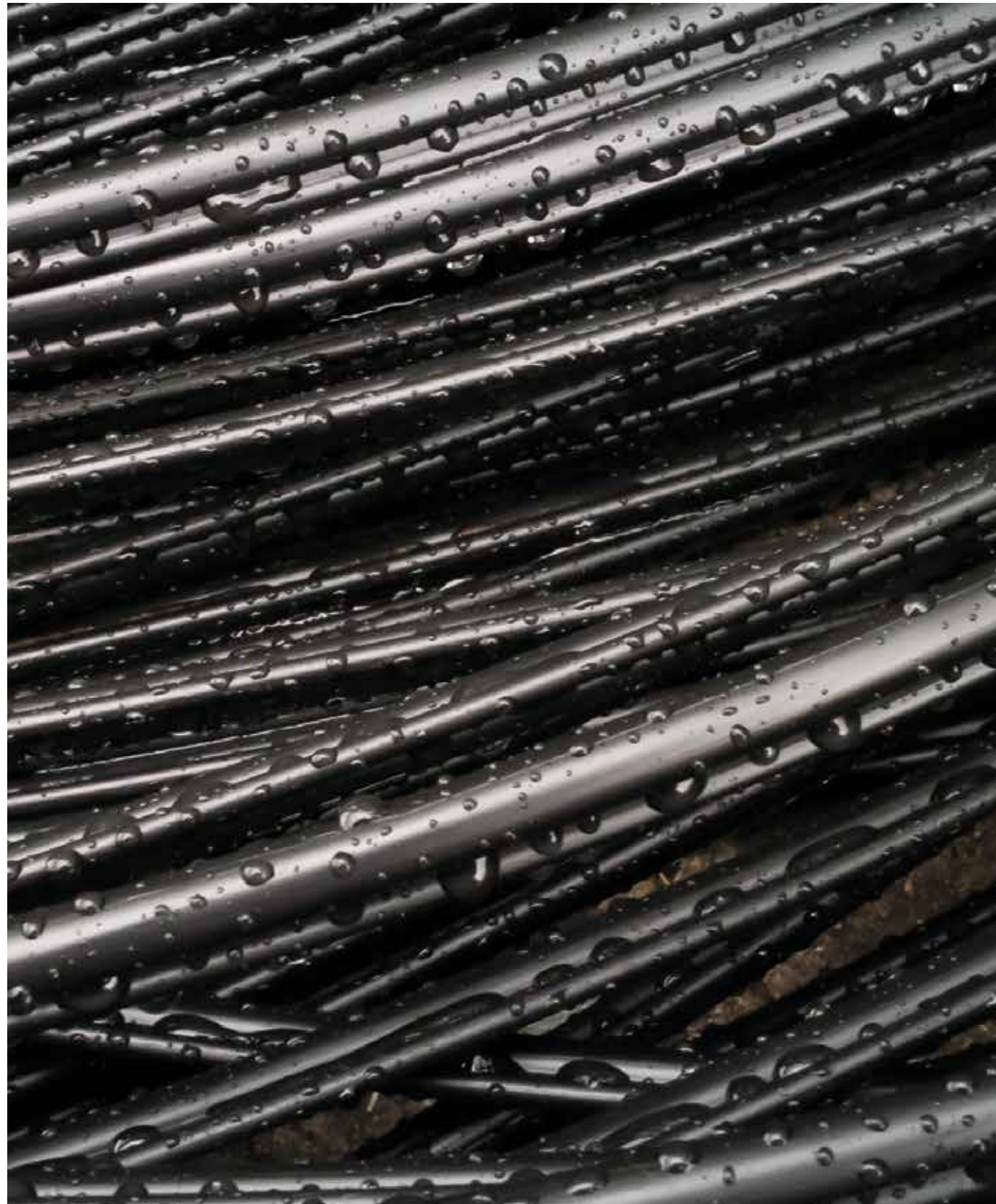
INSTRUCTIONS FOR USE:

Shake before use and apply a suitable quantity into the conduit. To pre-lubricate the conduit, insert a small sponge and blow with compressed air.

The product can be blown together with the fibre optic if an air-blowing installation machine is used.

PRODUCT	UNITS/BOX	REF.
FILUB – S Mini Lubricant, Conduits Ø 4 mm - 12 mm 0.5 kg Bottle	12	4.6044.000
FILUB – S Mini Lubricant, Conduits Ø 4 mm - 12 mm 1 kg Bottle	12	4.6044.001

Consumption may vary depending on the type of conduit and its layout.



CLEANERS

CABLECLEAN – DP

CABLE/FO CLEANING – EXTERNAL SURFACES

It removes protective gel, grease and dirt from telephone, copper and fibre-optic lines.

It is a pure and natural biodegradable solvent extracted from orange peel distillate.

This product replaces trichloroethylene, which is regarded as harmful. It may also be used as a replacement for fluoride-based solvents and can be used for cleaning electronic circuits. It can also be used in ultrasound-based cleaning systems.

- High performance, concentrated Cleaner/Degreaser.
- Transparent. Slight smell of orange.
- It does not damage fibre optic protective coating.
- Irritant, biodegradable.
- Inflammable.

INSTRUCTIONS FOR USE:

It can be sprayed directly onto the surface or can be applied by means of a brush, cloth or immersion. The residue can be removed by rubbing it gently with a dry cloth until it has been totally eliminated.



PRODUCT	UNITS/BOX	REF.
CABLECLEAN-DP Cable and FO cleaner 1 L Metal bottle	10	4.6045.000
CABLECLEAN-DP Cable and FO cleaner 400 cc Spray	12	4.6045.001

CABLECLEAN – DN

EXTERNAL SURFACES

More economical and safer.

It is a natural, NON-INFLAMMABLE and biodegradable solvent for removing protective gel, grease and dirt from telephone, copper and fibre-optic lines.

It does not damage plastic/rubber surfaces. It evaporates completely, leaving no type of residue.

- High performance Cleaner/Degreaser.
- NON-FLAMMABLE.
- Transparent. Slight smell of orange.
- It does not damage fibre optic, plastic or rubber.
- Irritant, biodegradable.
- Melting point: 0 °C



INSTRUCTIONS FOR USE:

It can be sprayed directly onto the surface or can be applied by means of a brush, cloth or immersion. The residue can be removed by rubbing it gently with a dry cloth until it has been totally eliminated.

PRODUCT	UNITS/BOX	REF.
CABLECLEAN-DN Cable and FO cleaner 1 L Metal bottle	10	4.6046.000
CABLECLEAN-DN Cable and FO cleaner 0.5 L Metal bottle	10	4.6046.005

CABLECLEAN – WT

EXTERNAL SURFACES

It removes dust, grease and dirt from telephone, copper and fibre-optic lines.

It does not damage plastic/rubber surfaces. It evaporates completely, leaving no type of residue.

It is more cost-friendly and safer than other products used in the same application.

- Cleaner/Degreaser for Cables and FO.
- NON-FLAMMABLE.
- Milky white colour. Slight smell of orange.
- It does not damage fibre optic, plastic or rubber.
- Water-based and natural solvent formula.
- Biodegradable.



INSTRUCTIONS FOR USE:

It can be sprayed directly onto the surface or can be applied by means of a brush, cloth or immersion. The residue can be removed by rubbing it gently with a dry cloth until it has been totally eliminated.

PRODUCT	UNITS/BOX	REF.
CABLECLEAN – WT Cable and FO cleaner 0.5 L Bottle	12	4.6047.000
CABLECLEAN – WT Cable and FO cleaner 1 L Bottle	12	4.6047.001



INSTALLATION AIDS

ESSENTIAL ACCESSORIES FOR
QUALITY AND SPEEDING CABLE LAYING.

Suitable for outdoor installations and long conduits, they guide and conduct the cable, minimise friction and protect the cable coating.

ROLLERS	_____	56
PULLING GRIPS	_____	58
DRUM STANDS AND ROLLERS	_____	60
LAYOUT PAINTS AND PULLER	_____	62

Anguila
COMPLEMENTOS

ROLLERS

An indispensable item 1 for quality and safe cable laying.

They perform three outstanding functions:

- Guide and conduct the cable from the drum to its ultimate destination.
- Minimise friction and, in turn, provide the necessary tensile strength.
- Protect the cable coating (cover), from friction and cuts.

They should be used all along the cable routing, in both surface and underground installations.

1

SINGLE ROLLERS

It can be used anywhere in the installation in straight laying sections.

2

TRIPLE CORNER ROLLERS

They are used for turns or bends in cable laying. Two or more units can be joined together in order to configure the required bending route.

3

MANHOLE ROLLERS INSPECTION CHAMBER INLET/OUTLET

Comprised of three rollers in a line, assembled on a frame to be fixed to the ground. They are used to help to insert cable into the inspection chamber or remove it.

4

"V" ROLLERS

It allows you to guide and align the cable at any point on the cable drum outlet. Rugged build.

5

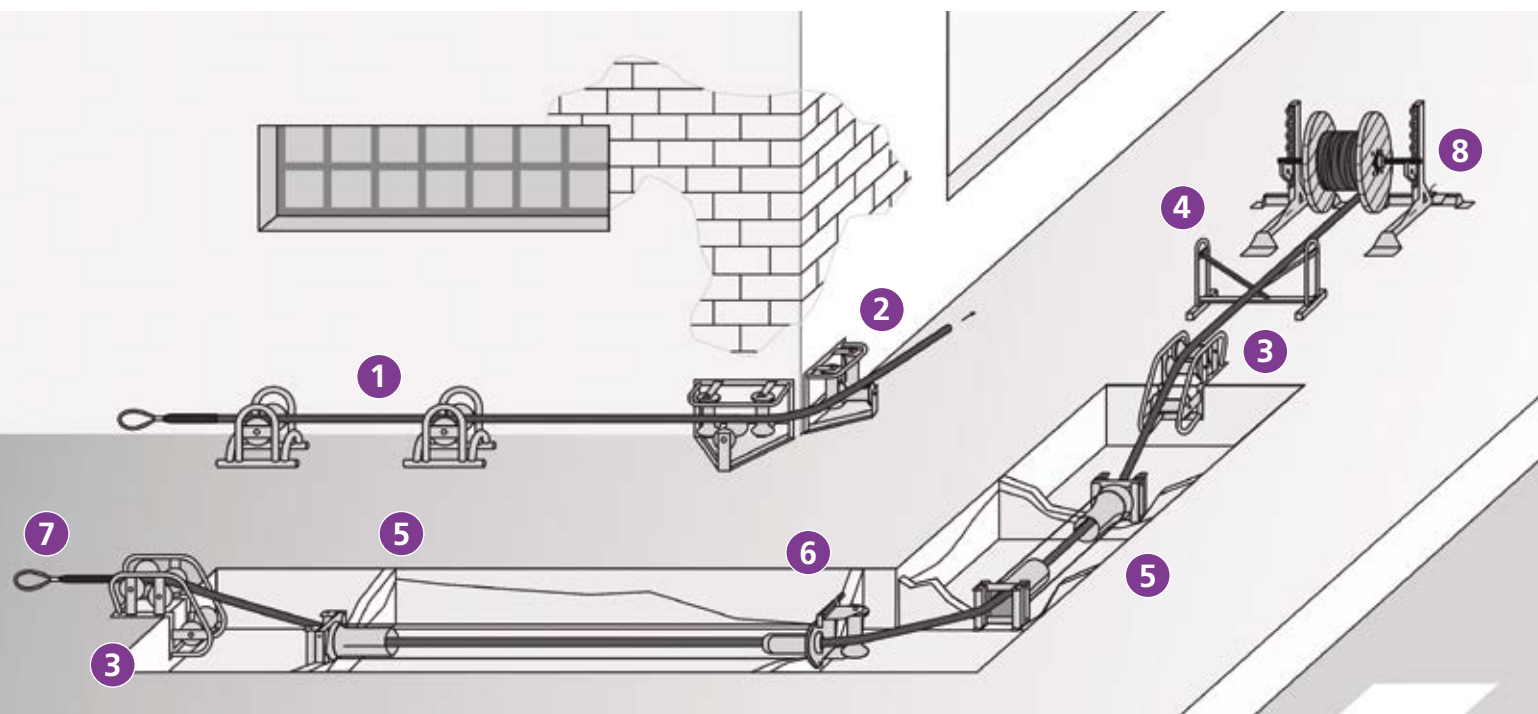
4-WAY ROLLERS CONDUIT INLET/OUTLET

It comprises four crossed rollers that make up a frame and a cylinder that is inserted into the pipe, which will already be installed in an inspection chamber. It can be opened for use in inspection chambers and pipes with cables already installed in them.

6

SKID ROLLERS CONDUIT INLET/OUTLET

They are inserted into the pipe installed in the inspection chamber and the roller is left outside.



NOTE: All the rollers we supply are fitted with ball bearings protected from dirt and dust. They are always galvanised and manufactured in two final grades: STEEL and ALUMINIUM.

SINGLE ROLLERS

1



MATERIALS	Ø PIPE	OUTER DIAMETER	TOTAL DIMENSIONS mm	WEIGHT	ROLLERS mm OUT - INN Ø x WIDTH	REFERENCE
STEEL	-	-	340x290x175	4 kg	110 - 75 x 185	4.9001.001
ALUMINIUM	-	-	340x290x175	4 kg	130 - 70 x 180	4.9001.002

TRIPLE CORNER ROLLERS

2



MATERIALS	Ø PIPE	OUTER DIAMETER	TOTAL DIMENSIONS mm	WEIGHT	ROLLERS mm OUT - INN Ø x WIDTH	REFERENCE
STEEL	-	-	450x320x310	13 kg	130 - 70 x 180	4.9002.001
ALUMINIUM	-	-	550x340x310	14 kg	110 - 75 x 185	4.9002.002

MANHOLE ROLLERS INSPECTION CHAMBER INLET/OUTLET

3



MATERIALS	Ø PIPE	OUTER DIAMETER	TOTAL DIMENSIONS mm	WEIGHT	ROLLERS mm OUT - INN Ø x WIDTH	REFERENCE
STEEL	-	-	540x240x400	8.5 kg	110 - 75 x 185	4.9003.001
ALUMINIUM	-	-	550x240x400	8 kg	130 - 70 x 180	4.9003.002

"V" ROLLERS

4



MATERIALS	Ø PIPE	OUTER DIAMETER	TOTAL DIMENSIONS mm	WEIGHT	ROLLERS mm OUT - INN Ø x WIDTH	REFERENCE
STEEL	-	-	1000x510x480	14 kg	Ø 35 x 620	4.9004.000

4-WAY ROLLERS CONDUIT INLET/OUTLET

5



MATERIALS	Ø PIPE	OUTER DIAMETER	TOTAL DIMENSIONS mm	WEIGHT	ROLLERS mm OUT - INN Ø x WIDTH	REFERENCE
STEEL	Ø 80	Ø 75	360x220x160	5 kg	Ø 35 2x80 - 2x135	4.9005.080
STEEL	Ø 100	Ø 90	360x240x200	6 kg	Ø 35 2x115 - 2x135	4.9005.100
STEEL	Ø 120	Ø 115	360x270x200	7 kg	Ø 35 4x135	4.9005.120
STEEL	Ø 140	Ø 135	360x270x230	8 kg	Ø 35 4x135	4.9005.140

Other sizes available. Please consult us.

SKID ROLLERS CONDUIT INLET/OUTLET

6



MATERIALS	Ø PIPE	OUTER DIAMETER	TOTAL DIMENSIONS mm	WEIGHT	ROLLERS mm OUT - INN Ø x WIDTH	REFERENCE
STEEL	Ø 60	Ø 50	340x200x190	3.5 kg	110 - 175 x 125	4.9015.060
STEEL	Ø 80	Ø 75	340x200x190	4 kg	110 - 175 x 125	4.9015.080
STEEL	Ø 100	Ø 90	340x210x190	4.5 kg	110 - 175 x 125	4.9015.100
STEEL	Ø 120	Ø 115	340x220x220	5 kg	110 - 175 x 125	4.9015.120
STEEL	Ø 140	Ø 135	340x240x230	5.5 kg	110 - 175 x 125	4.9015.140

PULLING GRIPS

They facilitate work and can pull one or several cables at the same time.

CHOICE OF PULLING GRIP

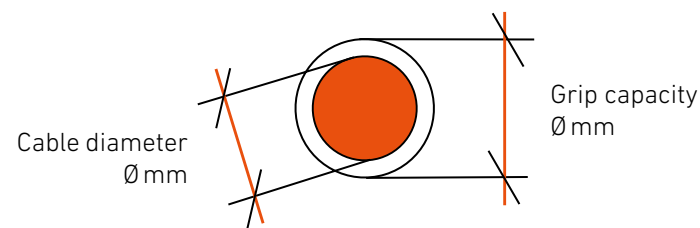
Made of galvanised steel.

In order to choose the right pulling grip, you should first calculate the diameter of the cable or all of the cables.

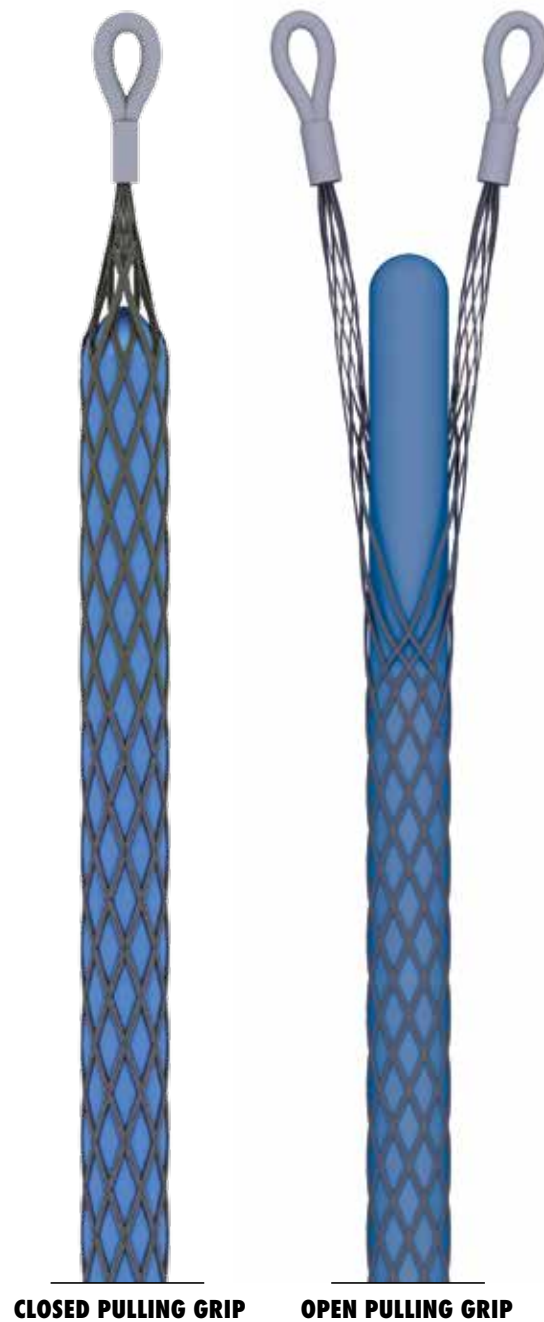
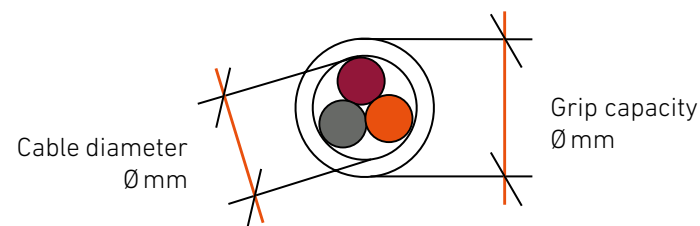
The resulting value should always be within the grip's capacity values.

Always check the expected workload.

SINGLE CABLE

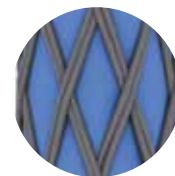


SEVERAL CABLES



CLOSED PULLING GRIP

OPEN PULLING GRIP



We can manufacture the grip you need to suit your specifications.

Please consult us.

7

HOUSEHOLD PULLING GRIPS

Ø CAPACITY PULLING GRIP (one or several cables)	LENGTH		LOAD		NO. STRANDS PULLING GRIP	NO. TIPS	CABLE TYPE	Ø CABLE	REF.
	TOTAL	WORKING	WORKING	BREAKING					
4 - 9 mm	190 mm	120 mm	100 kg	120 kg	1	4	1 x 7+0	0.65 mm	4.7001.000
9 - 15 mm	230 mm	210 mm	100 kg	120 kg	1	6	1 x 7+0	0.65 mm	4.7001.001

• Model with Eyelet Screw Terminal with Ø 6 mm M5

Ø CAPACITY PULLING GRIP (one or several cables)	LENGTH		LOAD		NO. STRANDS PULLING GRIP	NO. TIPS	CABLE TYPE	Ø CABLE	REF.
	TOTAL	WORKING	WORKING	BREAKING					
4 - 6 mm	220 mm	165 mm	200 kg	240 kg	1	4	1 x 7+0	1 mm	4.7001.010
6 - 9 mm	280 mm	210 mm	200 kg	240 kg	1	4	1 x 7+0	1 mm	4.7001.011
9 - 12 mm	375 mm	280 mm	200 kg	240 kg	1	5	1 x 7+0	1 mm	4.7001.012

• Model with Pulling Loop and Standard Eyelet Ø 6 mm M5 additional

INDUSTRIAL PULLING GRIPS

CLOSED CABLE GRIPS									
Ø CAPACITY PULLING GRIP (one or several cables)	LENGTH		LOAD		NO. STRANDS PULLING GRIP	NO. TIPS	CABLE TYPE	Ø CABLE	REF.
	TOTAL	WORKING	WORKING	BREAKING					
15 - 20 mm	700 mm	300 mm	750 kg	1,600 kg	2	8	1 x 19+0	1.0 mm	4.7002.000
20 - 25 mm	800 mm	400 mm	750 kg	1,600 kg	2	8	1 x 19+0	1.0 mm	4.7002.001
25 - 45 mm	1300 mm	750 mm	1,500 kg	4,600 kg	2	8	1 x 19+0	1.5 mm	4.7002.002
45 - 60 mm	1,400 mm	900 mm	2,500 kg	5,500 kg	2	8	1 x 19+0	2.0 mm	4.7002.003
60 - 80 mm	1,900 mm	1,200 mm	2,500 kg	5,500 kg	2	8	1 x 19+0	2.5 mm	4.7002.004
80 - 100 mm	2,000 mm	1,300 mm	3,000 kg	6,000 kg	2	8	1 x 19+0	3.0 mm	4.7002.005

OPEN CABLE GRIPS									
Ø CAPACITY PULLING GRIP (one or several cables)	LENGTH		LOAD		NO. STRANDS PULLING GRIP	NO. TIPS	CABLE TYPE	Ø CABLE	REF.
	TOTAL	WORKING	WORKING	BREAKING					
15 - 20 mm	700 mm	300 mm	750 kg	1,600 kg	2	8	1 x 19+0	1.0 mm	4.7004.000
20 - 25 mm	800 mm	400 mm	750 kg	1,600 kg	2	8	1 x 19+0	1.0 mm	4.7004.001
25 - 45 mm	1300 mm	750 mm	1,500 kg	4,600 kg	2	8	1 x 19+0	1.5 mm	4.7004.002
45 - 60 mm	1,400 mm	900 mm	2,500 kg	5,500 kg	2	8	1 x 19+0	2.0 mm	4.7004.003
60 - 80 mm	1,900 mm	1,200 mm	2,500 kg	5,500 kg	2	8	1 x 19+0	2.5 mm	4.7004.004
80 - 100 mm	2,000 mm	1,300 mm	3,000 kg	6,000 kg	2	8	1 x 19+0	3.0 mm	4.7004.005

* Wire and fastener included.

* Available in stainless steel

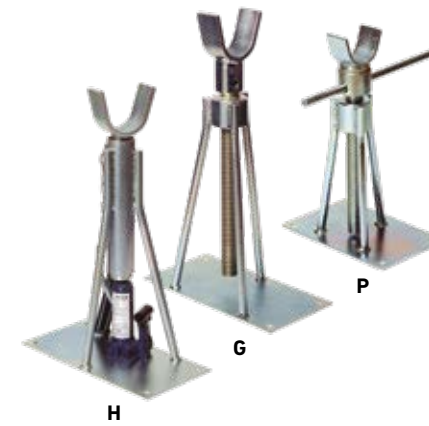
DRUM STANDS AND ROLLERS

For wooden and steel drums.



8

DRUM STAND MECHANICAL/HYDRAULIC



TYPE	DIMENSIONS	CHARACTERISTICS	MAX. WEIGHT DRUMS	REF.
MECHANICAL P	220 x 140 x 325 mm	Supp. Height. Adjustable Axis: 27.5 - 44.5 cm Maximum Drum Diameter: 900 mm Weight (unit): 3.7 kg	1500 kg (750 kg per stand)	4.9006.006
MECHANICAL G	400 x 200 x 630 mm	Supp. Height. Adjustable Axis: 54 - 88.5 cm Maximum Drum Diameter: 1800 mm Weight (unit): 13 kg	3200 kg (1600 kg per stand)	4.9006.002
HYDRAULIC	400 x 200 x 605 mm	Supp. Height. Adjustable Axis: 51.5 - 87.5 cm Maximum Drum Diameter: 1780 mm Weight (unit): 16.2 kg	3200 kg (1600 kg per stand)	4.9006.003

Price per unit. The whole assembly requires 2 units.

ROLLER SKID DRUMS

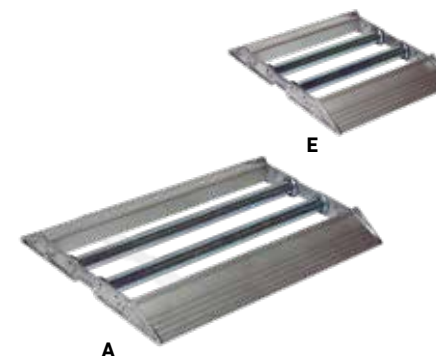


TYPE	DIMENSIONS	CHARACTERISTICS	MAX. WEIGHT DRUMS	REF.
ROLLER SKID P	780 x 225 x 135 mm	Weight (unit): 13.6 kg Drum Diameter: 250 - 700 mm	2000 kg (1000 kg per roller skid)	4.9006.007
ROLLER SKID M	970 x 225 x 135 mm	Weight (unit): 15.8 kg Drum Diameter: 400 - 1200 mm	2000 kg (1000 kg per roller skid)	4.9006.001
ROLLER SKID G	1070 x 225 x 135 mm	Weight (unit): 17.0 kg Drum Diameter: 400 - 1850 mm	2000 kg (1000 kg per roller skid)	4.9006.000

Includes joining rod per set

Price per unit. The whole assembly requires 2 units.

ROLLER NARROW/WIDE



TYPE	DIMENSIONS	CHARACTERISTICS	MAX. WEIGHT DRUMS	REF.
ROLLER E - NARROW	715 x 565 x 100 mm	Weight (unit): 8 kg Drum Diameter: 200 - 700 mm Drum Width (max.) 515 mm	200 kg	4.9006.004
ROLLER A - WIDE	715 x 700 x 100 mm	Weight (unit): 11 kg Drum Diameter: 200 - 700 mm Drum Width (max.) 670 mm	250 kg	4.9006.005

Price per unit. The drum width requires 1 or 2 units.

LAYOUT PAINTS AND PULLER

Spray paint

- Multi-directional valve. No dripping. Can be used in any position (360°).
- Self-cleaning nozzle, since after use the actual propellant gas cleans the valve, leaving no waste.
- Long-lasting on any surface and visible over time. Weather-resistant.



PRODUCT	UNITS/BOX	COLOUR	REF.
Layout Spray Paint 400 ml	12	Red	4.6050.000
Layout Spray Paint 400 ml	12	Yellow	4.6050.001
Layout Spray Paint 400 ml	12	Black	4.6050.002
Layout Spray Paint 400 ml	12	Blue	4.6050.003
Box of Layout Spray Paint	12	Colour mix (3 x 4 colours)	4.6050.020

The fish tape puller grips all sizes of fish tape without damaging it.

- It protects the hands. Non-slip.
- Can be used for all kinds of fish tape.
- Long-lasting.
- Made of rubber.



PRODUCT	REF.
Anguila fish tape puller	4.6010.000

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