

FIP Articoli Tecnici



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EDILCAT





IT - FIP Articoli Tecnici Srl, fondata nel 1946, si è affermata e consolidata negli anni affiancando alla tradizionale attività commerciale la specializzazione, con un proprio know-how, in forniture di articoli altamente tecnici. La gamma dei prodotti si rivolge ai grandi cantieri delle imprese di costruzione e alle più svariate applicazioni industriali.

Affidabilità, qualità e ampiezza del catalogo, unitamente alla grande potenzialità distributiva, fanno di FIP Articoli Tecnici Srl un partner strategico per gli acquisti delle aziende più prestigiose.

EN - FIP Articoli Tecnici Srl, founded in 1946, our company has consolidated its position on the market throughout the years by enriching its traditional commercial activity with a new one: the supply of highly technical items which has helped us to enhance our skill and know-how. Our products are designed for the jobsite activities of construction companies as well as for a wide range of industrial applications. The reliability and the quality of our catalogue, the wide variety of products it offers, together with our great distribution capacity, make FIP Articoli Tecnici Srl the ideal partner for the most important and respected companies on the market.

ES - FIP Articoli Tecnici Srl, empresa fundada en 1946, se ha ido afirmando y consolidando a lo largo de los años, acompañando la especialización a su tradicional actividad comercial, con su propio know-how, en el suministro de artículos altamente técnicos. La gama de productos se dirige a las grandes obras de las empresas de construcción, orientándose a las aplicaciones industriales más variadas. Fiabilidad, calidad y un amplio catálogo, junto a la gran potencialidad distributiva, convierten a FIP Articoli Tecnici Srl en un partner estratégico para las compras de las empresas más prestigiosas.

FR - FIP Articoli Tecnici Srl, fondée en 1946, notre société s'est affirmée et consolidée au cours des années en associant à sa traditionnelle activité commerciale la fourniture d'articles très techniques qui nous ont permis de faire remarquer nos compétences et notre savoir-faire. Notre gamme de produits s'adresse aux grands chantiers des entreprises de construction et aux plus diverses applications industrielles. La qualité, la fiabilité et la grande variété de produits de notre catalogue, ainsi que notre forte potentialité de distribution, rendent FIP Articoli Tecnici Srl un partenaire idéal pour les achats des entreprises les plus prestigieuses.

DE - FIP Articoli Tecnici Srl, 1946 gegründet, hat sich etabliert und im Laufe der Jahre neben der traditionellen gewerblichen Tätigkeit Spezialisierung mit ihrem Know-how bei der Lieferung von hochtechnischen Artikeln konsolidiert. Die Produktpalette wird den Großbaustellen von Bauunternehmen und den verschiedensten industriellen Anwendungen zugewandt. Zuverlässigkeit, Qualität und Breite des Katalogs, zusammen mit dem großen Vertriebspotenzial, stellen FIP Articoli Tecnici Srl als einen strategischen Partner für die Käufe der renommiertesten Unternehmen.

RU - Фирма FIP Articoli Tecnici Srl - Технические Товары, была основана в 1946 году, Зарекомендовала себя на рынке на протяжении многих лет, создала собственный ноу-хау и наряду с традиционной коммерческой деятельностью укрепила свою специализацию по поставкам сугубо технических материалов и товаров. Ассортимент продукции направлен для крупных строительных компаний и для разнообразных отраслей промышленности. Надежность, качество и обширный каталог вместе с большим потенциалом распространения и сбыта товара, делают фирму FIP Articoli Tecnici Srl - Технические Товары стратегическим партнером для самых престижных компаний в приобретении специализированной продукции.

CHN - FIP 技术产品有限公司，成立于 1946 年，多年来公司的建立以及其传统业务在它专长供应专有的高技术产品的帮助下已经巩固。此系列的产品是专用于建筑公司的大型建筑工地和多样化的工业应用。可靠性高，质量好和公司广泛的产品目录，再加上巨大的分销潜能，使 FIP 技术产品有限公司成为驰名企业具有战略的供应商。

AR -

فیب أدوات تقنيہ شركة محدودة المسؤولية
تأسست في سنة 1946، ووطدت وعززت مكانتها على مرور السنين مرفقة
نشاطها التجاري التقليدي بالتخصص بتزويد أدوات ذوات التقنية العالية ،
علاوة على ألبخيره وألمهاره ألباتيه
تتوجه سلسلة المنتوجات إلى ورشات شركات البناء الكبيره ولختلف
الاستعمالات الصناعيه
ألوثوقيه ، ألنوعيه وسعة كاتالوج الشركة مع قدرة التوزيع الكبيره ، جعلت من
فیب أدوات تقنيہ الشريك المثالي لمشتريات الشركات ذوات الاعتبار والجديه
العاليه.

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MANDREL BUILT RUBBER HOSES FOR COMPRESSED AIR

Rotary Drill/20



Working pressure: 20 bar
Bursting pressure: 60 bar
DN: from 13 to 25 mm

Rotary Drill/35



Working pressure: 25 bar
Bursting pressure: 75 bar
DN: from 19 to 25 mm

Pale meccaniche/25



Working pressure: 25 bar
Bursting pressure: 75 bar
DN: from 30 to 65 mm

Carroponte/25



Working pressure: 25 bar
Bursting pressure: 75 bar
DN: from 60 to 150 mm

Application:

Oil mist resistant hoses for compressed air, typically used for heavy-duty applications in road construction sites, tunnelling, quarries and mines.

Temperature:

From -30°C to +70°C

Tube:

Smooth, black, oil mist resistant, synthetic rubber.

Reinforcement:

High tensile textile plies.

Cover:

Smooth, black, cloth impression, synthetic rubber, weather, ozone and abrasion resistant.



Express couplings and valves for compressed air

Express hosetail



Express threaded Male



Express threaded Female



Rubber gaskets



DRC couplings and Hercules clamps for compressed air

Turnexp



Nipples



DRC reducer



Reparex coupling



Hercules clamp



Hercules clamp with claws



Hercules clamp, claws & 4 bolts



Spalock clamps



2-way valve with Express fittings



Threaded Male valve

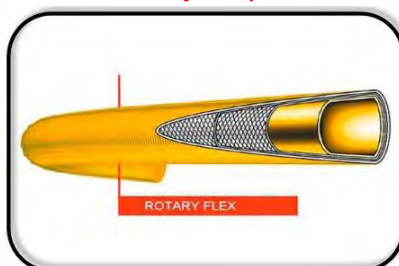


Whipcheck



LIGHTWEIGHT LAYFLAT HOSE FOR COMPRESSED AIR

RotaryFlex/25



Working pressure: 25 bar
Bursting pressure: 75 bar
DN: from 19 to 51 mm

- Application:** Layflat hose for compressed air, water and non-corrosive fluids.
- Temperature:** From -20°C to +80°C
- Tube:** Yellow, oil-resistant rubber.
- Reinforcement:** High tensile textile plies.
- Cover:** Smooth, yellow, rubber, oil, weather, ozone and abrasion resistant.

RUBBER HOSE FOR COMPRESSED AIR, WATER AND NON-CORROSIVE FLUIDS

Supermondial/10



Working pressure: 10 bar
Bursting pressure: 30 bar
DN: from 5 to 25 mm

Supermondial/20



Working pressure: 20 bar
Bursting pressure: 60 bar
DN: from 6 to 25 mm

- Application:** Delivery of compressed air, water and non-corrosive fluids.
- Temperature:** From -20°C to + 60°C
- Tube:** Smooth, black Tiprene elastomer with excellent mechanical strength and low permeability to air.
- Reinforcement:** High tensile polyester yarn.
- Cover:** Smooth, black, Tiprene elastomer, abrasion and ageing resistant.

Can be supplied complete with GK couplings at the ends.



MANDREL BUILT HOSE FOR WATER SUCTION AND DELIVERY

Scrivia /10



Working pressure: 10 bar
Bursting pressure: 30 bar
Vacuum: Strong
DN: from 25 to 150 mm

Scrivia /16/L



Working pressure: 16 bar
Bursting pressure: 48 bar
Vacuum: Strong
DN: from 76 to 152 mm

Application: For the suction and delivery of water and non-corrosive fluids. Suitable for use in construction, industry and agriculture.

Scrivia/16/L is suitable for use on reels in the tunnelling industry.

Temperature: From -30°C to + 70°C

Tube: Smooth, black, synthetic rubber.

Reinforcement: High tensile textile plies, embedded steel helix wire.

Cover: Smooth, black, cloth impression cover in weather, ozone and abrasion resistant synthetic rubber.

Tunnel/16



Working pressure: 16 bar
Bursting pressure: 48 bar
DN: from 4" to 6".

Spalock clamps



Application: For the suction and delivery of water and non-corrosive fluids. **For the overcoming of the vaults in the tunnels.**

Temperature: From -30°C to + 70°C

Tube: Smooth, black synthetic rubber.

Reinforcement: High tensile textile plies, embedded steel helix wire.

Cover: Smooth, black, cloth impression cover in weather, ozone and abrasion resistant synthetic rubber.

MANDREL BUILT RUBBER HOSE FOR THE DELIVERY OF WATER AND NON-CORROSIVE FLUIDS

Pompe sommersa/10



Working pressure: 10 bar
Bursting pressure: 30 bar
DN: from 40 to 305 mm

Pompe sommersa/20



Working pressure: 20 bar
Bursting pressure: 60 bar
DN: from 50 to 305 mm



- Application:** Layflat hose for the delivery of industrial water and non-corrosive fluids, suitable for industrial waste waters discharge with submerged pumps and mobile irrigation systems.
- Temperature:** from -35°C to +70°C
- Tube:** Smooth, black, synthetic rubber.
- Reinforcement:** High tensile textile plies.
- Cover:** Smooth, black, cloth impression cover in weather, ozone and abrasion resistant synthetic rubber.

LAYFLAT PVC HOSE FOR WATER DELIVERY

Padova/Layflat hose



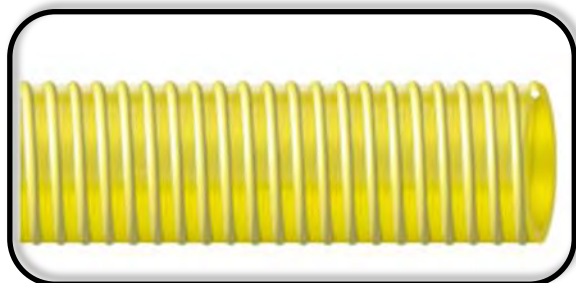
DN: from 25 to 300 mm

Roll length: 50 m

- Application:** Water delivery and transfer in agriculture, construction and industry.
- Temperature:** from -10°C to +65°C
- Composition:** Mono extruded, blue layflat hose in flexible PVC with embedded polyester reinforcement.

***PLASTIC HOSE FOR THE SUCTION AND DELIVERY OF WATER
AND NON-CORROSIVE FLUIDS***

Sirop



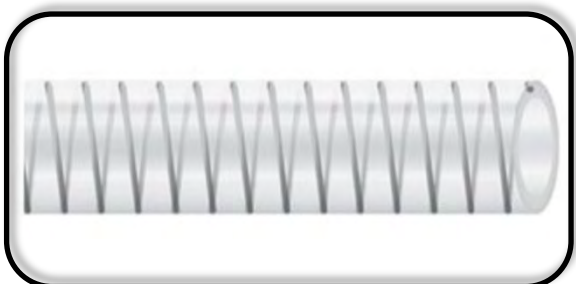
DN: from 20 to 200 mm

Application: Suction and delivery of water and non-fatty foods liquids with alcohol content up to 28%.

Temperature: from -15°C to +60°C

Composition: Transparent, yellow hose in non-toxic flexible PVC with rigid, shock resistant, white PVC spirals.

Spirac/Al



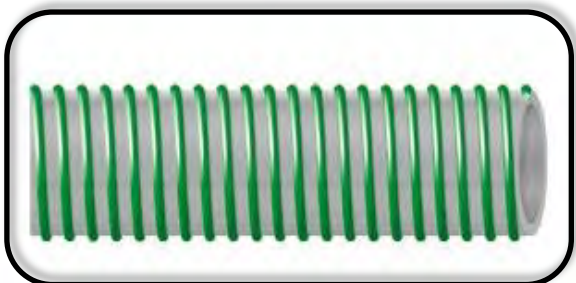
DN: from 12 to 150 mm

Application: Suction and pumping of water in dewatering and wellpoint systems.

Temperature: from -15°C to +60°C

Composition: Transparent hose in non-toxic, flexible PVC with embedded galvanized steel spiral.

Pozziflex



DN: from 20 to 200 mm

Application: Suction and delivery of industrial water and sludge, cesspit and sewer cleaning.

Temperature: from -25°C to +55°C

Composition: Grey hose in flexible PVC with rigid, shock resistant, green PVC spiral .

GALVANISED STEEL COUPLINGS

Male with hosetail



Female with hosetail



T coupling



Male, male thread



Female, male thread



90° curve



"R" fitting



3-Cross fitting



**Strainer with hosetail or
male coupler**



Female plug - Male



Pipes with galvanised steel couplings



M+F conical reducer



Anfor type



Anfor type



BRASS COUPLINGS

GK type Express brass couplings for water hoses

Plugs



Male thread



Female thread



Hosetail



**Hosetail with
screw ring**



3-way



**Mignon spray
nozzle**



Swivel nipple



Brass EGL fittings for pumps

**Roma - female/male
hosetail**



Double hosetail



Straight hosetail



Curved hosetail



AFL fittings

 1 Bend 90°, M&F	 2 Bend 90°, female	 3 Bend 90°, male	 40 Bend 45°, M&F	 41 Bend 45°, female	 85 Crossover	 90 Elbow, 90°, equal
 90R Reducing Elbow, 90°	 92 Street Elbow, 90°, equal	 92R Reducing Street Elbow, 90°	 95 Union Elbow, F&F, flat seat without gasket	 96 Union Elbow, F&F, conical joint iron to iron	 97 Union Elbow, M&F, flat seat without gasket	 98 Union Elbow, M&F, conical joint iron to iron
 120 Elbow, 45°	 121 Street Elbow, 45°	 130 Tee, equal	 130R Reducing Tee	 131 Pitcher Tee, 90°, equal	 132 Twin Elbow, equal	 135 Tee, equal
 165 Lateral Y Branch, 45°	 180 Cross	 220 Y-piece	 221 Side Outlet Elbow	 240 Reducing Socket	 241 Bushing	 245 Reducing Nipple
 246 Reducing Extension Piece	 270 Socket, parallel threads, equal	 271 Socket, right&left hand thread	 280 Hexagon Nipple, equal	 281 Hexagon Nipple, right&left hand thread	 290 Plug, beaded	 291 Plug, plain
 300 Octagonal Cap	 310 Backnut	 321 Round flange, without bolt hole	 329 Round flange, with 4 bolt holes	 330 Union, flat seat, without gasket	 331 Union, M&F, flat seat without gasket	 340 Union, conical joint, iron to iron seat
 341 Union, M&F, conical joint, iron to iron seat	 344 Union, M&M, taper seat	 370 Union Bush Flat Seat	 371 Union Tail Piece (Part of 331)	 471 Bracket Elbow	 529A Extension Long Piece	 531 Nipple

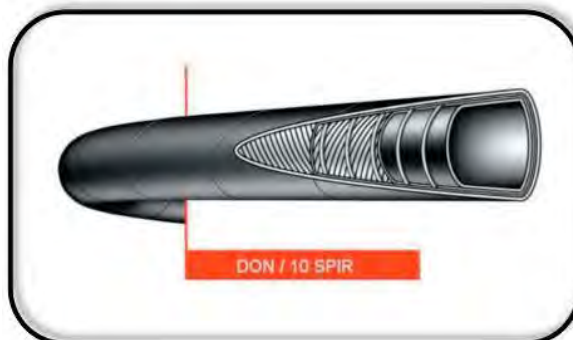
MANDREL BUILT RUBBER HOSES FOR THE SUCTION AND DELIVERY OF ABRASIVE MATERIALS, SAND – GRAVEL – CEMENT

DON /10 PM hose



W.P. pressure: 10 bar
Bursting pressure: 30 bar
DN: from 80 to 102 mm

DON /10 SPIR hose



W.P. pressure: 10 bar
Bursting pressure: 30 bar
DN: from 80 to 102 mm

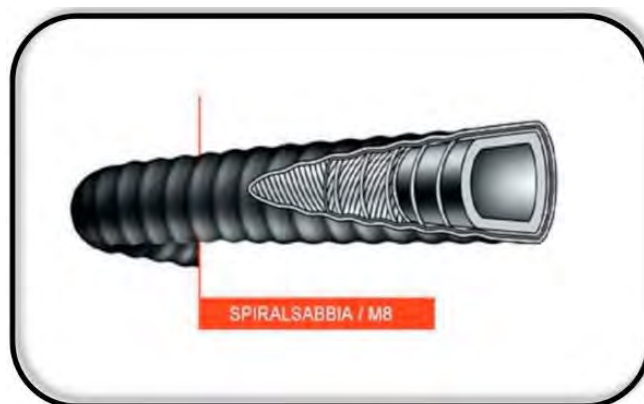
Application: Delivery (**PM**) and suction (**SPIR**) of abrasive materials like sand, gravel and cement.

Temperature: from -25°C to +70°C

Tube: **PM:** Smooth, light brown, highly abrasion resistant natural rubber.
SPIR: Smooth, black, highly abrasion resistant, conductive natural rubber.

Reinforcement: **PM:** High tensile textile plies, copper cable.
SPIR: Crush-resistant metal spiral and high tensile textile plies.

Cover: **PM-SPIR:** Smooth, black, cloth impression cover in weather, ozone and abrasion resistant synthetic rubber.



Foracem/18/L



D. 60 x 70.5 mm



Application: Delivery of cellular (lightweight), cement self-levelling and gunite.

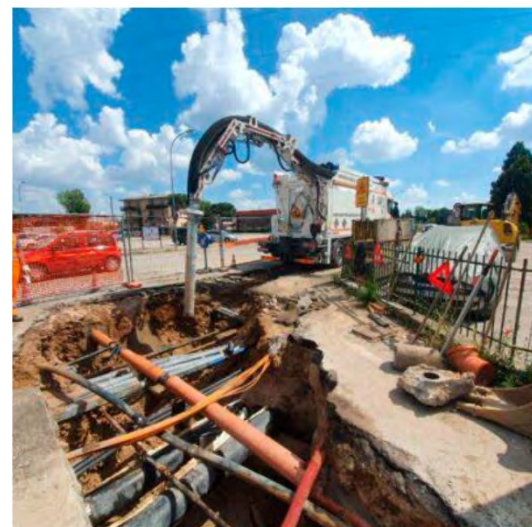
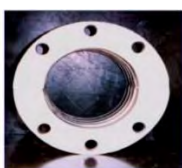
Temperature: from -30°C to +70°C

Composition: Tube in smooth, black, highly abrasion resistant, conductive rubber, high-strength textile plies reinforcement, cover in weather, abrasion and ozone resistant conductive rubber. Smooth, black, cloth impression, outer surface.

Smarino/10



DN: from 102 to 152 mm



Application: Suction and delivery of abrasive materials mixed with water. Particularly suitable for the pneumatic transport of aggregates in crushing, washing, sorting, transport, storage and recycling plants and for the outflow of debris (loose earth and rock fragments) from tunnelling and microtunnelling work, quarrying and mining.

Temperature: from -30°C to +70°C

Composition: Tube: Black, abrasion resistant, conductive NR/SBR. Reinforcement: synthetic fabric and embedded steel spiral. Cover: smooth, black, cloth impression, conductive rubber, abrasion, ageing and ozone resistant. Can be supplied with aluminium fittings consisting of two UNI EN 1092-1 PN 10 (formerly UNI 2277) flanged half-shells, fitted over the diameter of the hose and fixed with bolts.

**MANDREL BUILT RUBBER HOSE FOR THE DELIVERY OF GUNITE
AND SEMY-DRY MATERIALS FOR FOUNDATIONS**

GSB/20 hose



Working pressure: 20 bar
Bursting pressure: 60 bar
DN: 50 - 65 mm

- Application:** Delivery of gunite and other semy-dry materials for foundations.
- Temperature:** from -30°C to +70°C
- Tube:** Smooth, black, highly abrasion resistant, conductive rubber.
- Reinforcement:** High tensile textile plies.
- Cover:** Smooth, black, cloth impression, outer surface in synthetic rubber, weather, ozone and abrasion resistant.

Can be supplied complete with end fittings (see photo)

GSB couplings



Mortar sleeve



Male



Cardan type

Female



**Foamed PE strip
for wall protection**



Beton/AC hose



DN: 80, 102 mm

Temperature: from -20°C to +60°C

Application: Suction and delivery of water, sewage, sludge, wood pulp, latex, grain, concrete and abrasive materials in general.

Composition: Orange, flexible PVC hose with embedded galvanised steel helix; extremely strong.

Beton grey hose



DN: 60, 102 mm

Temperature: from -10°C to +60°C

Application: Suction and delivery of industrial water and abrasive sludge.

Composition: Grey, flexible PVC hose with rigid, shock absorbent, white PVC spiral.

Beton/PU hose



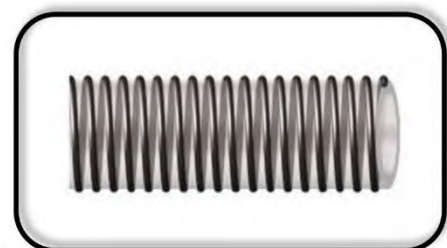
DN: 45, 102 mm

Temperature: from -25°C to +60°C

Application: Delivery of premixed plaster and abrasive products in general.

Composition: Transparent polyurethane hose with shock absorbent, rectangular section, orange PVC spiral.

Poliucement hose



DN: 60 mm

Temperature: from -20°C to +60°C

Application: Suction and delivery of cellular (lightweight), cement self-levelling and gunite.

Composition: Robust, flexible PVC hose with transparent polyurethane tube and rigid, shock absorbent, black PVC spiral.

MANDREL BUILT RUBBER HOSE FOR SAND BLASTING

Sabbiatrice/20



Working pressure: 20 bar

Bursting pressure: 60 bar

DN: 13 – 25 – 30 – 32 mm

Application: Delivery of silica sand, steel grit and other abrasive products.

Temperature: from -30°C to +70°C

Tube: Smooth, black, highly abrasion resistant, conductive rubber.

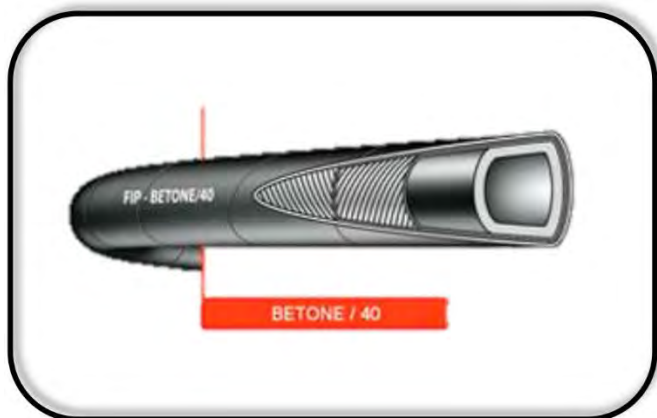
Reinforcement: High tensile textile plies.

Cover: Smooth, black, cloth impression outer surface in conductive rubber, weather, ozone and abrasion resistant.



MANDREL BUILT RUBBER HOSE FOR SHOTCRETE

Betone/40



Working pressure: 40 bar
Bursting pressure: 120 bar
DN: from 25 to 50 mm

- Application:** Specially made hose for the high-pressure delivery of shotcrete and plaster.
- Temperature:** from -25°C to + 70°C
- Tube:** Smooth, black, highly abrasion resistant rubber.
- Reinforcement:** High tensile textile plies.
- Cover:** Smooth, black, cloth impression cover in weather, ozone and abrasion resistant synthetic rubber.

Can be supplied complete with mortar M+F couplings with handles or M+M threaded swaged-on couplings at the ends.

Betone/40 with couplings

Working pressure: 40 bar
Bursting pressure: 120 bar
DN: from 20 to 50 mm



STATORS AND ROTORS FOR PLASTERING MACHINES WITH WORM PUMP



COUPLINGS FOR ABRASION-RESISTANT HOSES

MORTAR COUPLINGS - PN 50 BAR COUPLINGS

**Female with two handles
and hosetail**



Male, female thread



**Female, female thread with
two handles**



Male with reducing hosetail



Male reducer



Male with hosetail



Replacement handles



Replacement pin



Rubber gaskets

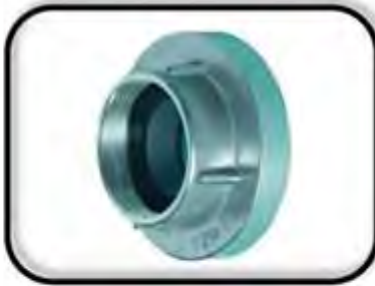


ALUMINIUM STORZ COUPLINGS

Hosetail



Female thread



Male thread



Plug



Reducer



Wrenches



CAMLOCK COUPLINGS

Versions: Aluminium – Brass – AISI 316 Stainless Steel – Polypropylene

Female with hosetail



Female, male thread



Female, female thread



Plug



Male with hosetail



Male, male thread



Male, female thread



Plug



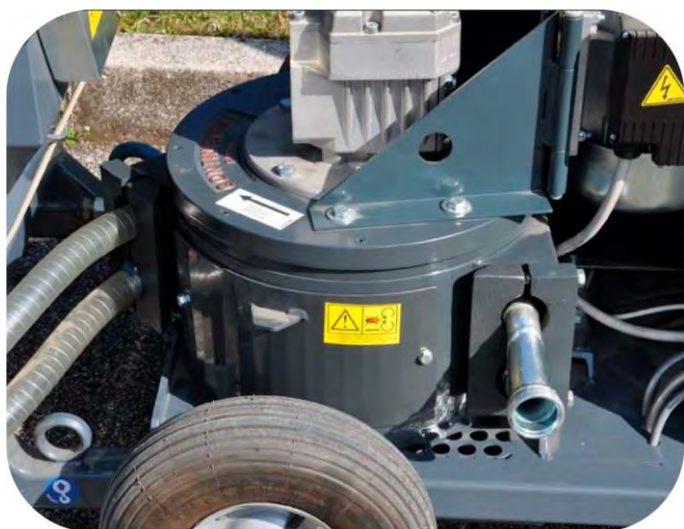
COMPONENTS FOR PLASTERING MACHINES

PERISTALTIC PUMP HOSE



Rubber hose specially designed for plastering machines with peristaltic pumps, suitable for the passage of abrasive fluids.

Smooth rubber tube with high tensile synthetic textile plies reinforcement, and smooth, cloth impression cover in abrasion resistant rubber.



MANDREL BUILT RUBBER HOSE FOR CONCRETE DELIVERY



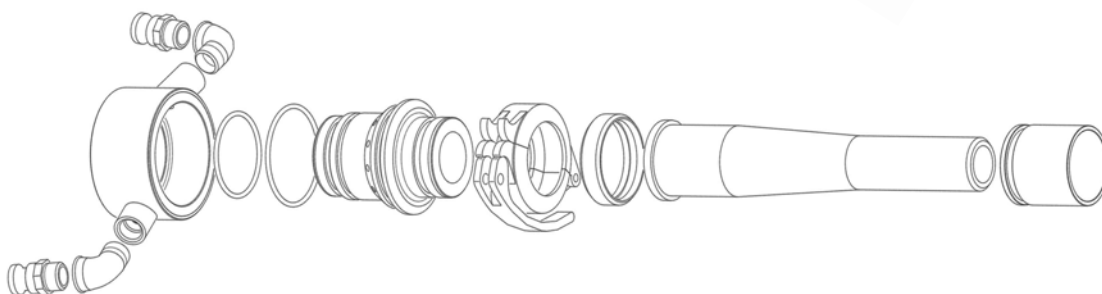
Concrete/80D

Working pressure: 80 bar
Bursting pressure: 240 bar (*)
DN: from 2" to 6".

(*) 6": 200 bar.

- Application:** Used at the end of the pumps to distribute the concrete at casting location.
- Temperature:** from -30°C to +70°C
- Tube:** Smooth, black, highly abrasion resistant rubber with embedded steel wire.
- Reinforcement:** Steel wire.
- Cover:** Smooth, black, cloth impression cover in weather, ozone and abrasion resistant rubber.

Usually supplied in customized lengths with VIC couplings swaged-on at the ends. Available on request with protective metal spring sleeve (see photo below).



ACCESSORIES FOR CONCRETE PUMPS AND VICTAULIC PIPE SYSTEMS

Male with hosetail

Mod. A



VICAL - Snap joint coupling



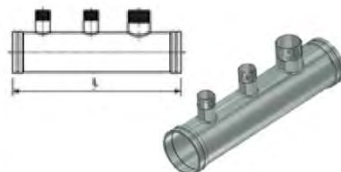
VIC - Rapid coupling with bolts



VIC - 45° elbows - 90° elbows



VIC - Spigot pipe



VIC - 90° T



VIC - Gaskets



VIC - Concentric reducer



VIC - Grooved clamp saddle



VIC - Plug



VIC - Flanged outlet



VIC - Threaded clamp saddle



VIC - Grooved wafer valve with clever



VIC - Wafer butterfly valve



Rubber wedge gate valve



VIC -Weld-on Rings



Grooved end to be welded



**Washing valve with nozzle
and hosetail**



Valves



Gate valve with handwheel



EGL check valve



VICAL ACCESSORIES

Shotcrete nozzle



**VICAL - PU nozzles and sponge rubber
balls**



**VICAL - Bends and
fittings**



VICAL - Steel pipes



**VICAL - 2 and 3 way
diverters**



**VICAL - Formwork
gaskets**



STEEL PIPES WITH VIC ENDS



Pipes can be supplied in diameters from 2" to 20", in various thicknesses.

Two models are available: type B or type C (see photo).

Type C rings can be welded to the pipe with a single inside welding, single outside welding or double welding, inside and outside. Type B rings are always welded to the pipe with a single weld. Ring thickness is determined by the working pressure of the pipes and fittings. Working pressure limits are determined by wall pipe thickness, diameter, steel quality and fitting type.



Grooved version



HOSE CLAMPS

Fipflex W2 - W5



Superlockup W1



Superlockup W4



**Heavy duty clamps W2 -
W4 - W5**



Ear clamps



Fipflex PA 66 cable ties



**Band-it band Band-it
buckles**



Band-it tool



**Spyder tape and
devices**



PE HOSE FOR CEMENT GROUTING

PE-LD PN6 pipe

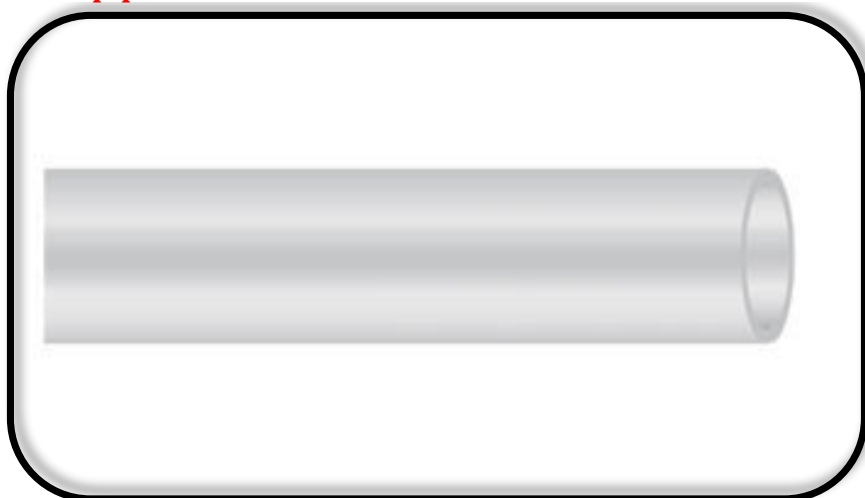


Working pressure: 6 bar
DN: ½" = OD 20 mm

Application: Cement grouting.

Composition: Black, low-density polyethylene.

PE-LD pipe



Working pressure: 6 bar
DN: 10x12 mm

Working pressure: 7 bar
DN: 12x15 mm

Application: Cement grouting.

Temperature: from -10°C to + 60°C

Composition: Neutral colour, mono-extruded, low-density PE.

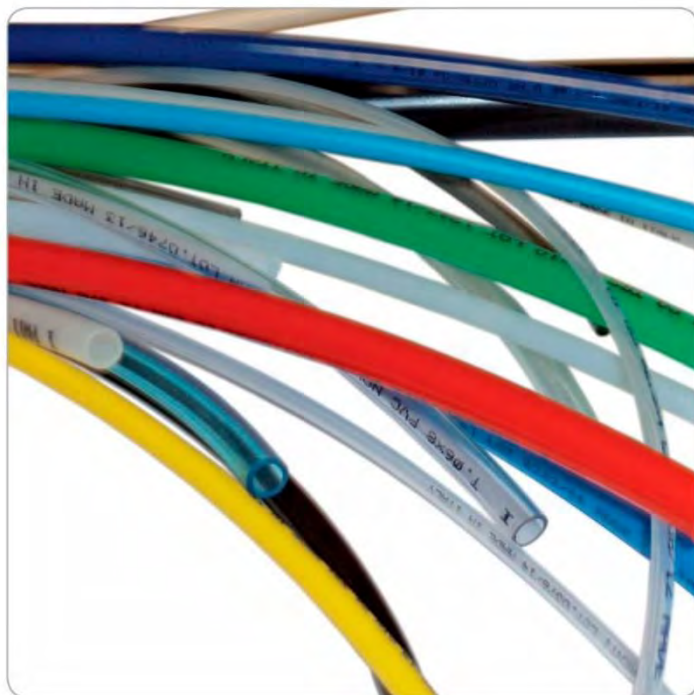
HYDRAULIC

PIPES AND FITTINGS
BALL VALVES AND FLOW DIVERTERS
HYDRAULIC POWER CONTROL UNITS AND ACCESSORIES
LEVER DISTRIBUTORS
VALVES AND SOLENOID VALVES
HYDRAULIC PUMPS AND MOTORS
OIL FILTERS
FLUID CONTROL UNITS



PNEUMATIC

ACTUATORS
HOSES AND SPIRALS
BLOWING GUNS AND ACCESSORIES
FITTINGS AND CONNECTIONS
VALVES FOR AUTOMATION
AIR FILTRATION AND TREATMENT



LIFTING

Eye and eye lifting slings - CEN STANDARD

Polyester eye and eye sling, **Purple** 1 ton, 1 m
Polyester eye and eye sling, **Purple** 1 ton, 2 m
Polyester eye and eye sling, **Purple** 1 ton, 3 m
Polyester eye and eye sling, **Purple** 1 ton, 4 m
Polyester eye and eye sling, **Purple** 1 ton, 5 m
Polyester eye and eye sling, **Purple** 1 ton, 6 m
Polyester eye and eye sling, **Purple** 1 ton, 8 m



Polyester eye and eye sling, **Green** 2 tons, 1 m
Polyester eye and eye sling, **Green** 2 tons, 2 m
Polyester eye and eye sling, **Green** 2 tons, 3 m
Polyester eye and eye sling, **Green** 2 tons, 4 m
Polyester eye and eye sling, **Green** 2 tons, 5 m
Polyester eye and eye sling, **Green** 2 tons, 6 m
Polyester eye and eye sling, **Green** 2 tons, 8 m



Polyester eye and eye sling, **Yellow** 3 tons, 1 m
Polyester eye and eye sling, **Yellow** 3 tons, 2 m
Polyester eye and eye sling, **Yellow** 3 tons, 3 m
Polyester eye and eye sling, **Yellow** 3 tons, 4 m
Polyester eye and eye sling, **Yellow** 3 tons, 5 m
Polyester eye and eye sling, **Yellow** 3 tons, 6 m
Polyester eye and eye sling, **Yellow** 3 tons, 8 m



Polyester eye and eye sling, **Grey** 4 tons, 1 m
Polyester eye and eye sling, **Grey** 4 tons, 2 m
Polyester eye and eye sling, **Grey** 4 tons, 3 m
Polyester eye and eye sling, **Grey** 4 tons, 4 m
Polyester eye and eye sling, **Grey** 4 tons, 5 m
Polyester eye and eye sling, **Grey** 4 tons, 6 m
Polyester eye and eye sling, **Grey** 4 tons, 8 m



Polyester eye and eye sling, **Red** 5 tons, 1 m
Polyester eye and eye sling, **Red** 5 tons, 2 m
Polyester eye and eye sling, **Red** 5 tons, 3 m
Polyester eye and eye sling, **Red** 5 tons, 4 m
Polyester eye and eye sling, **Red** 5 tons, 5 m
Polyester eye and eye sling, **Red** 5 tons, 6 m
Polyester eye and eye sling, **Red** 5 tons, 8 m



Ratchet strap with single hook

Strap W.	35 mm	50 mm
Length	6 m	8 m

Different lengths and strap heights available on request.



2 Leg lifting chains sling

Chain Ø	6 mm	8 mm	10 mm	13 mm
(kg) WLL	1400	2800	4250	7500
Length (mm)	2000	3000	3000	3000

Different lengths and strap heights available on request.



4 leg chain slings

Chain Ø	6 mm	8 mm	10 mm	13 mm
(kg) WLL	2100	4250	6700	11200
Length (mm)	2000	4000	4000	4000

Different lengths and WLL available on request.



3 ring masterlink



**Safety hooks
Connecting link**



Polyester rope



MANUAL CHAIN HOIST

Chain (m)	0.75	1	1.5	3
WLL (tons)	1	1.5	3	6

Different lengths and WLL available on request.



LEVER HOIST FOR LIFTING AND PULLING

Chain (m)	0.75	1	1.5	3
(tons) WLL	1	1.5	3	6

Different lengths and WLL available on request.



TIRFOR[®]

Ø CABLE (mm)	8.3	11.5	16.3
(kg) WLL	800	1600	3200



LIFTING GRIPPER FOR CONCRETE BLOCKS



PPE - PERSONAL PROTECTIVE EQUIPMENT

High Visibility



Multinorm line



Workwear



Disposable



Head protection



FALL ARRESTERS

POSITIONING BELT



2 POINT HARNESS



3 POINTS HARNESS



**SAFETY LANYARD
AND CARABINERS**



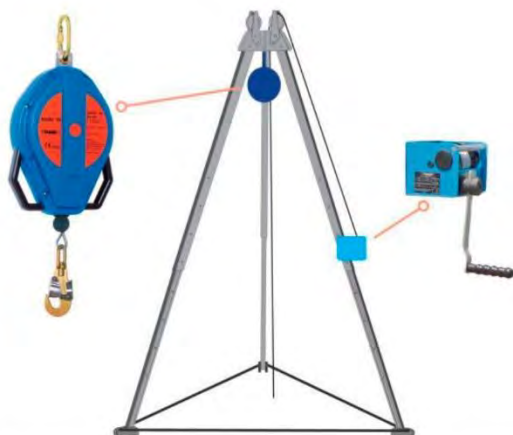
**FALL ARRESTER FOR
ROPES**



**RETRACTABLE FALL
ARRESTER**



**TELESCOPIC TRIPOD
FOR ANCHOR AND RESCUE**



LIFELINES



SAFETY FOOTWEAR

K Greta / 2479S3

High shoes in waxed grain leather. MICROLEATHER upper with reflective side inserts. Oil and wear resistant antistatic sole. TPU reinforced heel. Anti-puncture midsole. Composite toe-cap.



K Capri S3

Shoes in Nabuk grain leather and hydro microfibre, with Carbon fabric details, TPU heel tab and smooth fabric tongue. Breathable 3D lining, composite toe-cap and anti-puncture sole in synthetic aramid fabric.



7220PEK - Beta

Shoes in water-repellent leather with nylon inserts and anti-abrasion reinforcement in the toe-cap.



KC Abu Dhabi S3

Boots in water-repellent leather. Breathable leather upper with breathable polyamide lining and anatomic, anti-static, punched insole in EVA and fabric. Double-density PU sole with TOP RETURN non-metallic toe-cap and non-metallic midsole.



Yellow Dumper S5 boots

Knee safety boots, antistatic, in PVC/nitrile, lined, yellow upper and black lug sole. Steel toecap and midsole.



Dumper Safety Plus S5 boots

Knee safety boots, nitrile, lined in PVC/nitrile, black upper and red lug.



Dumper Safety Plus Thigh S5

Safety, thigh boots, antistatic, metal toe-cap, oil resistant, slip resistant sole, steel mid sole, waterproof.



Safety Plus Chest S5 Waders

Safety chest waders, antistatic, metal toe-cap, oil resistant, slip resistant, sole steel mid-sole, waterproof.



INDUSYTRIAL ABSORBENTS

Multikem

Universal neutralizer ABSORBER.



Sepiolite

To absorb all types of liquids.



Absorbent kits

To neutralize oils and accidental fuel spills.



GLOVES

Cowgrain leather

Glove with palm and back in full-grain cowleather, lined cuff.



Cow grain leather, split leather

Glove with palm in full-grain leather, split leather back, lined cuff.



Split leather RNF/7 - RNF/15

Full split leather glove, reinforced palm, 7 or 15 cm safety cuff.



Welders cow split leather lined

Cow split leather glove, fully lined in 100% cotton fabric, stitch protection, length 35 cm.



NBR FULLY COATED

Nitrile coated glove, cotton safety cuff, cotton jersey lining.



NBR VENTILATED BACK

Nitrile coated glove, breathable back, cotton safety cuff, cotton jersey lining.



NBR SUPERBLU

Fully nitrile coated gloves, cotton safety cuff and cotton jersey lining. Excellent cut, abrasion, oil and grease resistance.



NBR Yellow Litegom

Nitrile coated glove with breathable back, knitted cuff, cotton jersey lining.



Nitrex

Lightweight glove in 100% polyamide fabric, nitrile rubber coated palm, excellent grip and high sensibility.



Piurex

Lightweight glove in 100% polyamide fabric, polyurethane coated palm, excellent grip and high sensibility.



PVC

Glove with interlock cotton lining, red, PVC coating.



Prenex

Neoprene glove with cotton flock lining.



WELDING ARTICLES

Cotton hood



Welding shoes



Crosta leather apron



Split leather welder jacket



Cutting blowpipe



Cutting torch and handle



**Pressure regulator
Safety valves**



Welding mask and shields



Basic and rutile electrodes



Electrode holders



FIRE FIGHTING ARTICLES

UNI 9487 fire hose with couplings



Nozzles for UNI 9487 fire hose



UNI fittings



Fire extinguishers



Fire cabinets



Fire lockers



Fireman's axe



Stretcher



Nomex[®] fireman's jacket



Fireman's helmet



Breathing equipment



Kevlar rope

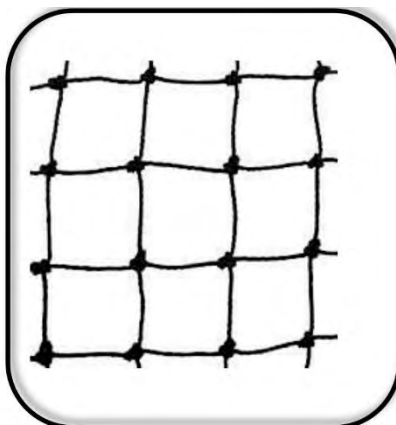


CLEANING, FIRST AID AND SIGNAGE

Plastic net for fencing,
orange, oval holes, ideal for
building sites.



Fall safety netting, 8x8 D.5 cord,
nylon, D.12 cord



Fencing net, green, shading,
ideal for building sites.



**Signalling disc for
traffic control**



Signal flag



Marking tape



Flashing light



Site marker



Fillable barrier



**Mobile galvanised
fencing**



Concrete foot



Rags



Paper rolls



Hand paste



First aid kit



TRAFFIC SIGNAGE

TEMPORARY ROAD SIGNS



PERMANENT ROAD SIGNS



ANCHOR BOLTS AND FIXING PRODUCTS

**Expansion anchor
Bolt with steel band**



**Heavy duty steel
bolt anchor**



**Heavy duty steel
bolt anchor**



**Steel sleeve anchor
with eye**



**Bolt anchor hot dip
galvanized**



Wall plug + pipe bracket



**FIF-SV II anchor for
insulating panels**



**Universal expansion wall
plug**



**Long frame fixing plug,
multi-expansion type**



**Polyester and epoxy
chemical fixing**



Bi-component resin



Cartridge resin gun



**Disarming agent for
formwork, 20 l**



**Professional pump for
disarming agent**



Edilcem concrete remover



ADHESIVES, SEALANTS AND CHEMICAL PRODUCTS

Cyanoacrylate adhesive



Tangit for PVC-U



Multi-purpose silicone



Elastic adhesive



Rigid structural adhesive



Assembly glue



Standard and REI fire-resistant polyurethane foam



Grease gun and nozzles



Professional/Semi-professional silicone cartridge guncartridge gun



Svitol lubricant and electrical contact spray



WD 40 lubricant



Acrylic paint spray cans



TOOLS, HARDWARE AND OTHER ARTICLES FOR CONSTRUCTION SITES

Carpenter's hammer



Sledgehammer



**Long handle
sledgehammer**



Pick axe



Axe



Rake



Mud scraper



Grout squeegees



Shovel



Chisel



Outdoor broom



**Shoes and boots washer for
construction sites**



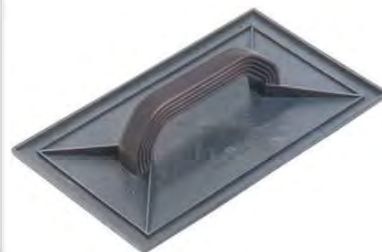
Mason's bucket



Mortar trays



Plastering trowel



Brushes



Masonry trowel



Plaster's spatula



Markers for metal



Measuring tapes, metric wheel



Folding ruler



Pencils



Slump cone set



Moulds for concrete specimens



Calipers



Plotter with blue powder set



Construction thread



Core boxes



Knipex pliers



Bolt cutters



Magnetic and spirit level



Plumb bob



Knipex pliers



Adjustable pliers



American pipe wrench



Hack saw



DOUBLE OPEN END WRENCHES

Size	19x22	20x22	21x23	22x24	24x27	25x28	27x29	30x32	32x36	41x46	46x50
Length	236	236	245	245	262	272	284	297	325	425	475

Size	4x5	6x7	8x9	8x10	10x11	10x13	12x13	13x14	13x17	14x15	16x17
Length	101	120	140	140	155	170	170	185	189	185	202



90° OFFSET RING WRENCHES

Size	6x7	8x9	8x10	10x11	11x13	12x13	12x14	14x15	14x17	16x17	17x19
Length	165	180	180	195	215	215	215	230	250	250	265

Size	18x19	19x22	20x22	21x23	22x24	24x26	24x27	25x28	27x29	30x32	36x41
Length	265	285	285	305	305	325	325	340	355	375	435



COMBINATION WRENCHES

Size	6x6	8x8	10x10	11x11	12x12	13x13	14x14	15x15	17x17	19x19	20x20
Length	95	116	137	148	158	169	180	190	212	233	243

Size	21x21	23x23	24x24	25x25	27x27	29x29	30x30	32x32	34x34	38x38	41x41
Length	254	275	285	296	317	338	349	370	391	433	465



OFFSET RING WRENCH FOR SCAFFOLDING



RATCHETING WRENCH FOR SCAFFOLDING



Bench saw



Grinders's discs



D.115/ D.125/ D.230 grinders



Circular saw



Drills



Cordless and 220V hammer drills



Jigsaw



Hammer drills



Pneumatic and electric vibrators



Nail gun and nails



Nails



**Wire and annealed
steel wire**



Wrecking bars



**Earthing electrodes
and cable terminals**



**Green plastic-coated
fencing wire**



Debris chutes



Screwdrivers



Tool boxes



Tools trolley



PE sheets



Coated tarpaulins



Carpenter bag



Brush cutter



Chain saw - combustion engine



Bar benders



Tools bags



Metal tools holders



Cylinder trolley



Crane buckets



Wheelbarrow



Plumber's hemp - PTFE tape



Industrial flying socket



Cable reel



Work lamp



Step and telescopic ladders



Stepladders



Scaffolding



Dressing room locker



Wooden slats benches



Metal sheet containers



Drum heating belts



Drum pumps



Compressors



Transpallet with forks



Plastic load plate



Machine loading ramp



Additive tanks



Engine-driven welder



Genset



Electric radiators



Welding machine



Pressure washers



Heaters



PVC AND CONCRETE SPACERS AND FORMWORK EQUIPMENT



Plastic spacers for horizontal, vertical and sloping reinforced structures.

Easy to install, with holes that allows a better concrete penetration. An economical way to ensure proper concrete cover maintenance.



Wood formwork panels



Threaded rebar for formwork



Rebar clamps



Formwork nuts



PVC profiles for formwork



PVC spacers and roses plugs for formwork



Roses spacer for formwork



Formwork spacers



Concrete spacers

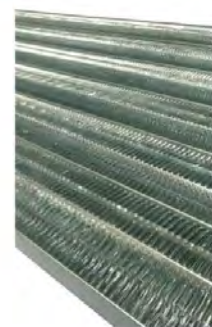


Protective caps for armoured iron and quick tensioner





PLASTER LATH PLATE



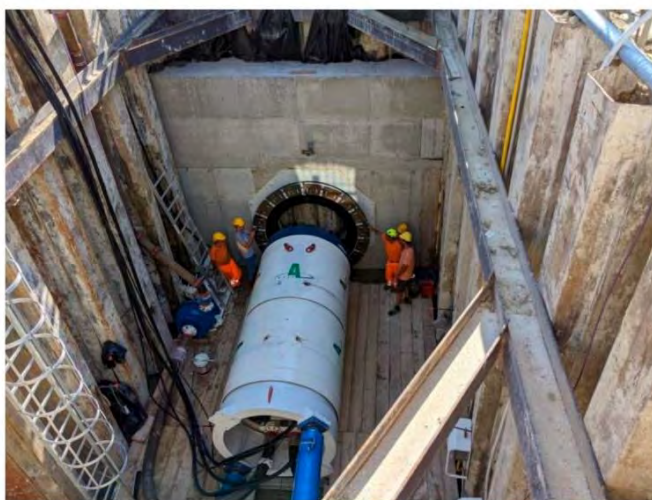
This ribbed plaster lath plate is made from cold rolled steel. The steel mesh can be used to reinforce thin plaster or apply a layer of new plaster over old plaster. It should be laid snugly against the supporting surface by fixing it with 6/8 points per square metre.

METAL SHELVING FOR WAREHOUSE/CONSTRUCTION SITE



SPECIAL ARTICLES FOR TUNNEL CONSTRUCTION SITES

SPARE PARTS FOR BORING MACHINES

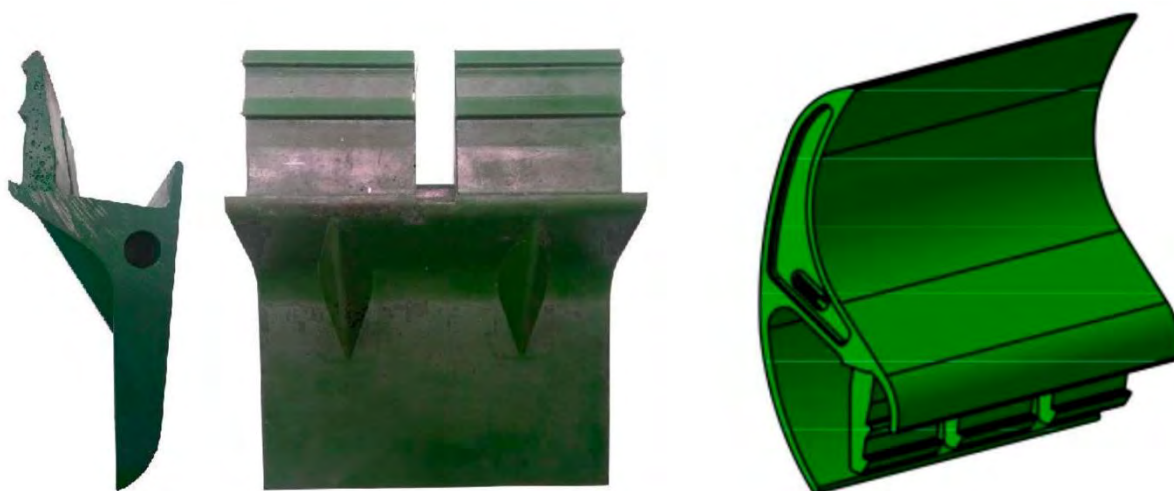


PU SCRAPERS



PU scrapers are the parts subject to wear in scraping systems.

DIS model (see photo above), MILANO model (see photo below) and OSLO model (see photo below)



MILANO model

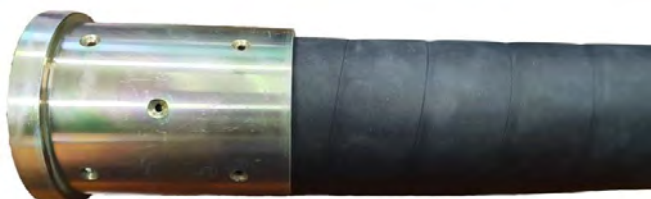
OSLO model



"H" PROFILE RUBBER

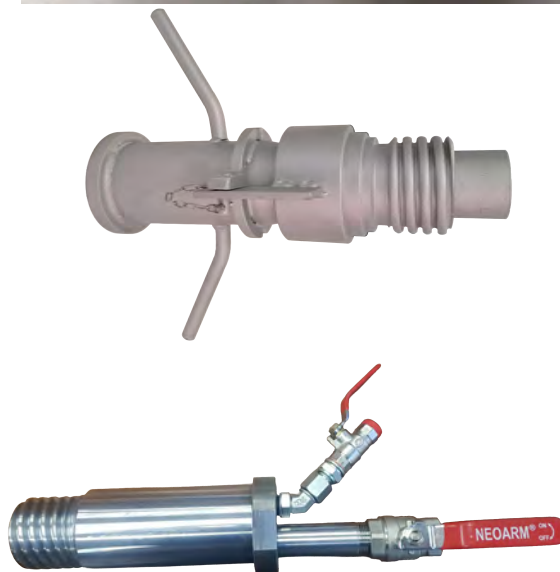


Extruded foam rubber profile with good chemical inertia and good mechanical strength. Used in the vacuum systems of precast tunnel segments placement.



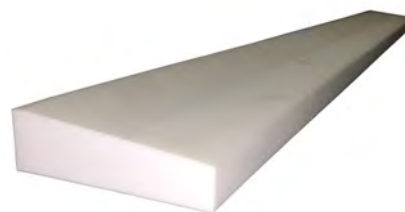
Peagravel Hose

CENTERING PIN



PTFE TRACKS FOR TBM

PTFE sliders for tbm precast segments slipping.



**Steel wool for
polishing and
cleaning
surfaces**



SEGMENTS SEALANT



Closed cells foam list for sealing joints between segments. Also available with adhesive surface (see photo).

GEOTEXTILES – GEOGRIDS – GEOMEMBRANES



Geotextiles, geogrids and geomembranes for reinforcing and separating soil and asphalt and for reservoirs sealing.



STORAGE BINS



VENTILATION DUCT



Air delivery ventilation duct performs the essential role of channelling clean, fresh air from the outside to the boring face and to any intermediate work stations in tunnels under construction. FIP can supply ventilation duct in standard or antistatic fabric.

CONCERTINA VENTILATION DUCT



Concertina ventilation duct is intended for **suction** when dust, fumes and gases have to be removed from tunnels or similar confined spaces, and for air delivery in the presence of bends, junctions and curves that require a fan to prevent the air duct from collapsing.

FIP supplies a wide range of ventilation ducts for suction applications, with different combinations of diameters and pitches.

WATERSTOP



WATERSTOP is a waterproof joint with a specially designed shape and composition, used as construction and/or expansion in concrete casting.

It ensures a perfectly hydraulic seal and a great capacity of absorption of mechanical stress. WATERSTOP is applied in the construction of:

- tanks
- foundations in general
- dams
- tunnels
- canals
- underpasses
- basins
- car parks
- swimming pools
- silos
- water towers

WATERSTOP is available in different shapes and sizes and is made by extruding a specially formulated PVC compound containing selected additives that give a product with the technical characteristics necessary to withstand the hardest working conditions. It resists ageing and chemical attack in alkaline and acid environments, such as cases of contact with salt water or acid solutions. The profiles are designed to ensure maximum resistance to static and dynamic stress in concrete structures that may be exposed to working temperature ranging between -30°C and +70°C. The profile is inert towards the concrete and reinforcement steel.

PROFILES

The different types of profile have been designed in order to satisfy specific performance and functional requirements.

FUNCTION

Construction joint: profiles are designed to ensure the anchorage between concrete castings.

Expansion joint with closed central bulb: profiles are designed to ensure the anchorage between concrete castings and to absorb expansion and contraction movements.

APPLICATION	PROFILE	TYPE
Internal expansion joint		DO 145
		DO 180
		DO 200
		DO 220
		DO 240
		DO 300
		DO 360
		DO 400
		DO 440
Internal expansion joint for high hydrostatic pressure		DA 250
		DA 320/5
		DA 320/9
		DA 360
		DA 400
		DA 520
External expansion joint		DLN 200
		DLN 230
		DLN 320
		DLN 360
Internal construction joint for high hydrostatic pressure		D 100
		D 150/5
		D 150/10
		D 230
		D 400

APPLICATION	COMPANY PROFILE	TYPE
Internal expansion joint for high hydrostatic pressure		DT 225
Internal expansion joint		DB 150/3
		DB 150/5
		DB 225
Internal construction joint for high hydrostatic pressure		DE 150
		DE 285/5
		DE 285/16
Internal construction joint		DL 200
		DL 300
External construction joint		DP 150
		DP 200
		DP 240
Internal expansion joint		DR 300

HYDRO-EXPANDING STRIP

In addition to the normal jointing action provided by traditional sealants, swellable rubber joint self expands with the absorption of water, filling perfectly any cavities or cracks in the concrete castings.

BENTOFIP BUT HYDROEXPANDING JOINT

BENTOFIP is composed of natural sodium bentonite and high-cohesion polymeric binders. It is placed using nails or cement adhesives to adhesion to the support in the early stages of the concrete casting. For maximum performance, BENTOFIP But expanding strip should be applied between the reinforcement bars or in a support with raised edge of at least 6 cm. The joints are realized by matching the ends of the rubber strip, avoiding overlap. In contact with water it increases its original volume up to 4 times in 72 h, creating a barrier to water and blocking, in this way, any shrinkage cracks or gaps.



SW HYDROEXPANDING JOINT (POLYMERIC)

SW hydroexpanding joint is composed of butyl rubber and polyethylene mixed and high-cohesion polymer binders. It is placed using nails or cement adhesives to ensure adhesion to the support in the early stages of the concrete casting. For maximum performance SW strip should be placed between the reinforcement bars or in a support with raised edge of at least 8/10 cm. The joints are realized by matching sideways the rubber strip for at least 5 cm, avoiding overlap.



SW SEA HYDROEXPANDING JOINT

SW sea hydroexpanding joint is composed of rubber, polyethylene and a high-cohesion polymer binders. It is placed using nails or concrete to ensure it adhesion to the support in the early stages of the concrete casting. For maximum performance, SW sea hydroexpanding joint should be placed between the reinforcement bars or in a support with raised edge of at least 8/10 cm. The joints are realized by matching sideways the strip for at least 5 cm, avoiding overlap. The application surface should be clean, compact, properly vibrated and without irregularities. Used for brackish/saltwater applications, when fully swelled is mechanically strong and elastic. The primary expansion takes place after 6/12 hours, while the secondary expansion after 24/36 hours.



GRIDS/CHANNELS FOR HYDROEXPANDING STRIPS



Grid for hydrophilic waterstop, 20 x 25

Channel for hydrophilic waterstop, 10 x 20

CONVEYOR BELTS

Made of abrasion and cut resistant black rubber conforming to DIN 22102 (for gravel, concrete, etc.) with special polyester (E) and/or polyamide (P) fabric reinforcements. On request, we can also supply OLIMPICFLAT (sliding), PIROLIMPIC (heat resistant), OIOLIMPIC (oil resistant) and LISTOLIMPIC (ribbed) belts, and ND (honeycomb) belts.



RUBBER SHEET FOR CONVEYOR SKIRTING

SG ST sheet

General purpose SBR (styrene-butadiene rubber) sheet.



Bav sheet

Natural rubber and SBR sheet with excellent abrasion resistance and good mechanical strength. Ideal for skirting.



SG skirting NRN scrapers

Rubber scrapers for conveyors, made from 3 layers of rubber. Cover and underlayer in abrasion resistant rubber and para rubber core for extended life and uniform



Para rubber sheet

Sheet in light coloured, pure natural rubber, with excellent elasticity and softness.



Yellow para rubber sheet

Sheet in yellow natural rubber, with excellent mechanical strength. Ideal for conveyor skirting and abrasion resistant covers.



Ultrared para rubber sheet

Natural rubber sheet with excellent tensile strength. Good abrasion resistance and elasticity.



INFLATABLE PACKERS

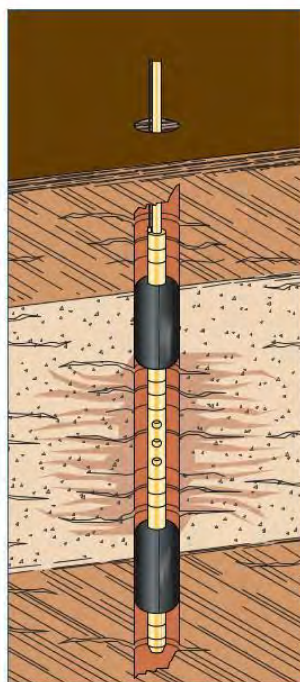


The inflatable rubber sleeves of these packers are reinforced with two steel helixes, one right hand and one left hand.

These highly versatile packers can be used in open and piped holes and can be inflated by water or gas via an outside inflation line. Once inflated, the packer isolates one part of the hole from the other part in order to permit cement grouting or permeability tests.

Packers can be used for sleeve valve cement grouting, rock grouting, permeability testing, water sampling, impression taking, fracking, hydraulic testing in industrial pipes, locating and isolating aquifers, repairing and cementing wells.

Inflatable parts can be replaced on site. Single packers can be converted easily into double packers.



INFLATABLE HOSE



FIP inflatable hose is made from top-quality rubber compound. This re-usable hose is empty inside with a unique braided core.

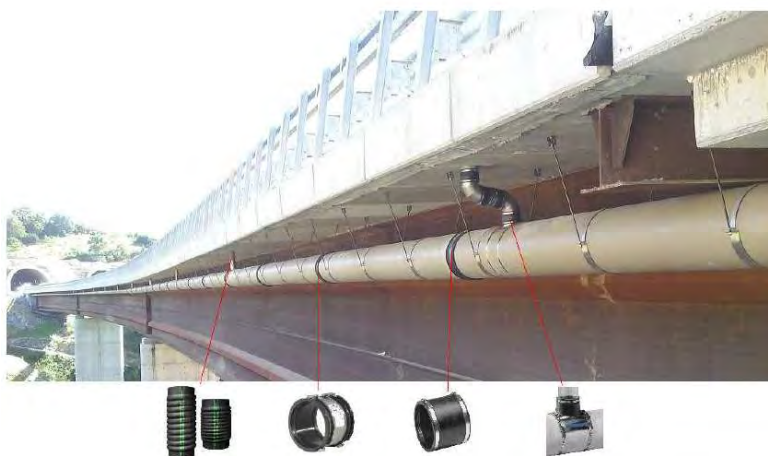
Once positioned and inflated, the hose is buried in the concrete and can be deflated again once the concrete is hard. This leaves a uniform round hole through the casting that can be used for various applications.



BEARINGS



These reinforced rubber bearings allow the transmission of high loads absorbing the horizontal displacements of the structure. They are designed to damp vibrations in heavy machinery, buildings and all the materials with high kinetic energy. They are particularly suitable in the seismic protection field, thanks to their exceptional capacity of shocks and vibrations absorption and their deformation ability. For structural applications it is recommended the compliance with the regulations in the different foreign countries.

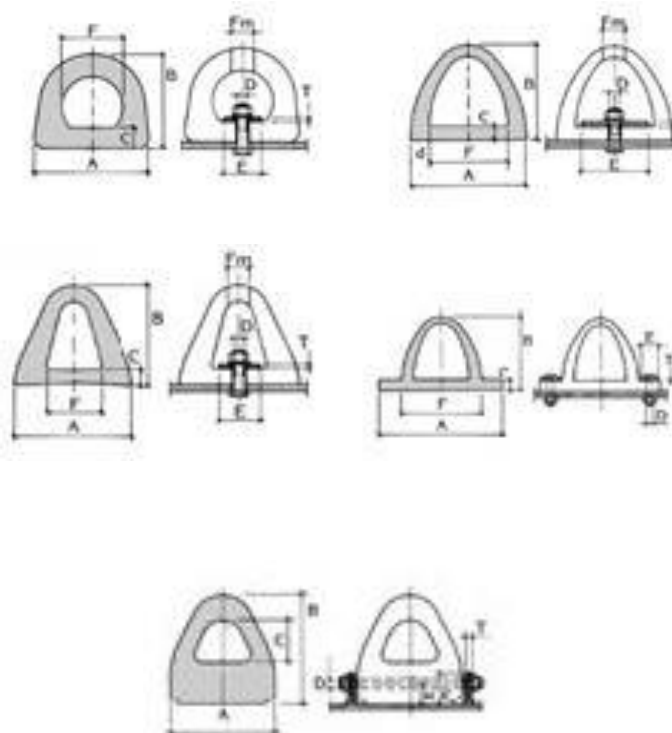


MOORING FENDERS



Used as harbor defenses, fenders can be supplied in a wide range of shapes and manufactures. The above picture shows a cylindrical fender. Extruded models are also used as shock absorbers in the boats. The below cross-sections are about extruded fenders. They are usually produced in synthetic rubber specially formulated for long life and resistance to ageing, atmospheric agents, ozone, salt water and marine flora and fauna.

We can also supply fender kits complete with chains and bollards.





Tubi in gomma

Tubi per acqua, aria compressa e fluidi inerti
Tubi per prodotti abrasivi
Tubi per aspirazione aria, fumi e polveri
Tubi per acqua calda, vapore ed aria calda
Tubi per saldatura autogena
Tubi per prodotti alimentari
Tubi per prodotti chimici
Tubi per prodotti petroliferi



Tubi tecnoplastici

Tubi spiralati per fluidi alimentari
Tubi spiralati pesanti per impieghi vari (spurghi, acque reflue, pompaggi, ecc.)
Tubi spiralati per ventilazione ed aspirazione
Tubi retinati
Tubi monoestrusi, tubetti flessibili e spirali



Raccordi e sistemi di serraggio

Raccordi aria compressa cantiere
Raccordi per calcestruzzo e affini
Raccordi per acqua
Raccordi Storz
Raccordi sferici
Raccordi Camlock
Raccordi per oleodinamica
Raccordi per pneumatica
Sistemi per applicazioni industriali
Raccordi per pompe
Raccordi per carburanti
Raccordi per applicazioni varie
Valvole, saracinesche, rubinetti e raccordi vari
Morsetti Spalock
Fascette stringitubo
Fascette a nastro



Impiantistica - Tubi e raccordi

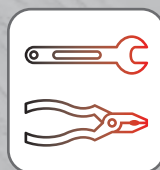
Raccordi idraulici AFL
Raccordi Aliaxis - FIP GE
Raccordi in plastica - serie BD
Tubi rigidi in PVC ecc.
Raccordi a compressione TOF in PP
Antincendio - Raccordi Vic
Antincendio - Componenti



Gomma, plastica e affini guarnienti

Lastre in gomma
Tappeti in gomma e tappeti antifatica
Pavimenti
PMMA metacrilato
PC policarbonato
PA poliammide
PTFE
PP polipropilene
PVC rigido
PVC flessibile
PU poliuretano e Poliucell
Bachelite e fibroido
Vetro laminato
Feltro e filtrazione
Espansi mousse

Espansi poliuretano
Espansi PE
Espansi silicone
Espansi PTFE non sinterizzato
Cartoni pressati per guarnizioni
Carta antiolio per guarnizioni
Guarnienti esente amianto - Refrattari termoisolanti
Guarnienti esente amianto - Filati, baderne e varie
Lavorazioni a disegno
Tessuti tecnici
Trafilati in gomma
Nastri trasportatori, cinghie di trasmissione e affini



Ferramenta, utensileria e attrezzature

Foglia e coperture
Adesivi, sigillanti e prodotti chimici
Nastri adesivi
Antivibranti
Sollevamento, tiranti e ancoraggio
Ferramenta utensileria e attrezzature
Utensili Beta
Cablaggio



Articoli speciali per costruzioni

Articoli speciali per costruzioni



Antinfortunistica - Protezione individuale

Abbigliamento Star BZ
Abbigliamento Star
Abbigliamento Payper
Indumenti, guanti e mascherine monouso
Guanti in cuoio
Indumenti e guanti anticalore
Guanti in NBR
Guanti sintetici rivestiti
Guanti Mapa
Scarpe Cofra
Scarpe U-Power
Scarpe e abbigliamento Beta
Protezione individuale 3M
Respirazione - Semimaschere
Respirazione - Maschere pieno facciali
Protezione vista
Protezione udito
Protezione capo



Sicurezza, segnaletica e pulizia

Anticaduta
Segnaletica
Primo soccorso
DPC - Dispositivi di protezione collettiva
Pulizia - Carta
Pulizia - Pezzame
Pulizia - Detergenti
Pulizia - Sacchi



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