

TIEMME MULTIGAS - CATALOGUE - 2009

TIEMME MULTI GAS

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TIEMME MULTI GAS

catalogue

 **TIEMME**
ORIGINAL ITALIAN TRADEMARK

THE **TIEMME MULTI GAS** PIPE AND FITTING SYSTEM IS DESIGNED TO MAKE EVERY JOB QUICK AND EASY. IT PROVIDES A REVOLUTIONARY ALTERNATIVE FOR THE PROFESSIONAL PLUMBER AND GASFITTER.

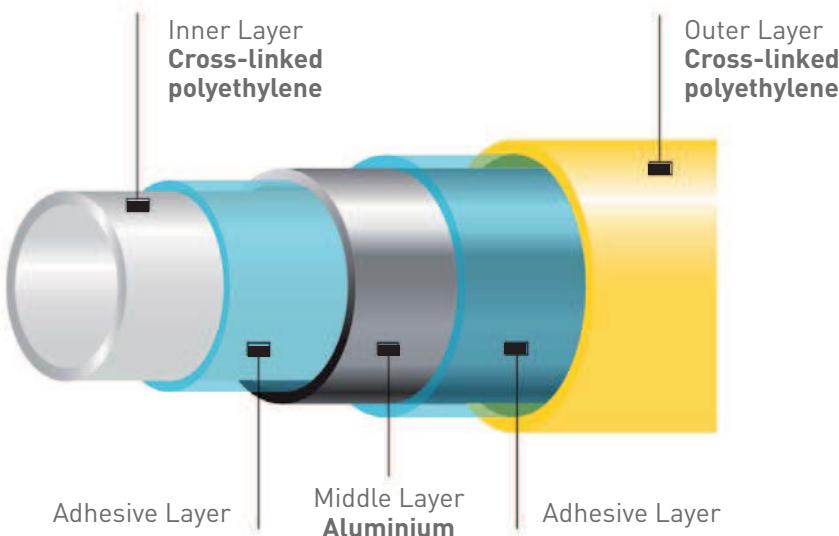


The **TIEMME MULTI GAS** pipe and fitting system is designed as a consumer system for gas installations in accordance with International Standards.

All the limiting conditions and the requirements of this publication should be strictly adhered to.

TIEMME MULTI GAS PIPE

The **TIEMME MULTI GAS** pipe is a multi layer or composite pipe system. It consists of an inner layer of cross-linked polyethylene (PE-X), an adhesive layer, an aluminium layer, an adhesive layer, an outer layer of cross-linked polyethylene, which is effectively a 5-layer pipe.



The pipe has been tested in accordance with International standards for gas.

The **TIEMME MULTI GAS** pipe has many advantages. Some are listed below:

- Impermeability to oxygen and gases in general.
- Form stability during installation, for an example in a curve.
- Low thermal conductivity level.
- Light weight during transport and installation.
- Thermal expansion is lower than that of other tubes.
- Dielectricity; absence of electric conduction.
- Very good behaviour in the presence of fire thanks to the metal layer and low steam emission during combustion.
- Lower pressure loss thanks to the smooth inner layer

Table Heading to go here

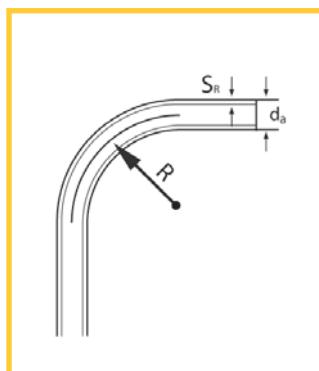
| DIMENSION | 16x2 | 20x2 | 26x3 | 32x3 | 40x3.5 | 50x4 | 63x4.5 |
|---|------------------------------------|-----------------|-----------------|------------------|---------------|-------------|---------------|
| Coefficient of Linear Thermal Expansion in mm/m x K | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 | 0.026 |
| Thermal Conductivity in W/M x K | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |
| Water contents in 1/m | 0.113 | 0.201 | 0.314 | 0.531 | 0.855 | 1.385 | 2.29 |
| Radius of curvature without aids mm | 5 x d | 5 x d | 5 x d | - | - | - | - |
| Radius of curvature with bending spring mm | 2 x d | 3 x d | - | - | - | - | - |
| Radius of curvature with bending tool mm | - | - | 3.6 x d | 3.6 x d | 4.0 x d | 4.0 x d | 4.5 x d |
| Pipe roughness K mm | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 |
| Coil Length | 50 100 | 100 | 50 | 50 | - | - | - |
| Coil Dimensions mm inside x outside x width | 610 x 740 x 115 510 x 740 x 120 | 550 x 780 x 190 | 550 x 780 x 190 | 940 x 1200 x 150 | - | - | - |
| Weight per coil kg | 5.5 | 15 | 15 | 21 | | | |
| Metres per length | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

Forming Stability

After bending the **TIEMME MULTI GAS** pipe will remain stable, due to the metal layer. In many cases thanks to this characteristic, it is possible to prefabricate assemblies before delivery to the site.

Minimum Bending Radii

Bending can be made manually however if tighter bends are required bending springs or bending tools can be used.



| PIPE DIMENSION (mm) | BENDING RADII WITHOUT TOOLS | BENDING RADII WITH INTERNAL PIPE BENDING SPRING |
|---|------------------------------------|--|
| 16 x 2.0 | 5 x d _a | 2.0 x d _a |
| 20 x 2.0 | 5 x d _a | 2.0 x d _a |
| BENDING RADII WITH BENDING TOOLS | | |
| 26 x 3.0 | 3.6 x d _a | |
| 32 x 3.0 | 3.6 x d _a | |
| 40 x 3.5 | 4.0 x d _a | |
| 50 x 4.0 | 4.0 x d _a | |
| 63 x 4.5 | 4.5 x d _a | |

Thermal Changes in Length

Heating and cooling cause pipe length changes.

The coefficient of expansion of **TIEMME MULTI GAS** composite pipes is 0.026 mm/m x k

Thermal changes in length

Pipe length changes are caused by heating and cooling.

The coefficient of expansion of **TIEMME MULTI GAS** laminated composite metal pipes is 0.026mm/m x K.

EXAMPLE

Temperature

Differential ΔT 50 K

Pipe length L 5 m

Coefficient of expansion a 0.026 mm/m.K

Linear expansion ΔL

$$\Delta L = a \times L \times \Delta T$$

$$= 0.0026\text{mm/m . K} \times 5\text{ m} \times 50\text{ K}$$

$$= 6.5\text{ mm}$$

Spacing of Supporting Devises

| PIPE DIMENSION (mm) | MAX PIPE CLIP CLEARANCE (cm) |
|---------------------|------------------------------|
| 16 x 2.0 | 100 |
| 20 x 2.0 | 125 |
| 26 x 3.0 | 150 |
| 32 x 3.0 | 200 |
| 40 x 3.5 | 200 |
| 50 x 4.0 | 250 |
| 63 x 4.5 | 250 |

Fire and Excessive Heat

Keep **TIEMME MULTI GAS PIPE** a minimum of 500mm from sources of high heat such as heating appliances, flues from heating appliances.

Keep **TIEMME MULTI GAS PIPE** 1500mm from slow combustion type stoves and flues used to heat hot water or cooking. (Wet back type).

Leave 300mm minimum space between **TIEMME MULTI GAS PIPE** and recessed electric light fittings. **TIEMME MULTI GAS PIPE** should not be positioned within 150mm of gas or central heating vents or flues.

UV Resistance

TIEMME MULTI GAS PIPE shall be protected against direct sunlight or UV radiation. Consequently, **TIEMME MULTI GAS PIPE** shall be covered during transport or storage if they have been removed from their original packaging. When **TIEMME MULTI GAS PIPE** are used in a protective tube adequate UV protection is assured during the installation phase. Furthermore, jackets made from insulating material can undertake the function of UV protection with **TIEMME MULTI GAS PIPE**. (Without protective tube).

International standards

Composite pipe installed above ground shall be protected against degradation from exposure to ultra violet light

Note: A typical means of protection is sleeving or wrapping with a suitable protective material.

Chemical Resistance

The chemical properties of polyethylene are significantly improved by cross-linking. Multi layer pipe with Crosslinked polyethene has been approved for use gas.

This includes Natural gas and LPG. For specific gases other than these please contact TIEMME.

TIEMME MULTI GAS pipes are resistant to the following media:

- Concrete, plaster, mortar, and cement.
- Disinfectants and cleaning agents according to DVGW worksheet W 291 and DIN 2000.
- All natural potable water constituents.
- Corrosion - protection agents according to DIN 1988 part 4.

TIEMME MULTI GAS pipes shall be protected against:

- Direct contact with bitumen or bitumen strips.
- Pipes shall be protected against greases, solvents and oils.

If the TIEMME MULTI GAS pipe installation system is used in areas where, for example, aggressive gases, permanently acting moistures or building materials containing chlorine are to be encountered, the fittings have to be protected using suitable jacketing. This also applies to contact with screed, concrete, mortar or plaster.

Always consult the manufacturer for details.



TIEMME MULTI GAS FITTINGS

The TIEMME MULTI GAS fittings are available in OTS8 or DR brass with a stainless steel crimp ring and joined to the pipe using a precision and specific crimping tool.

To increase joint performance all TIEMME MULTI GAS crimp fittings are characterised by a plastic holding ring which has 3 important functions:

1. As a locating ring that matches the TIEMME jaws for a perfect crimp position.
2. As it is a plastic material, it has a dielectric function, avoiding contact between the aluminium inner coating and brass pipe fitting in order to prevent battery ignition effect.
3. It allows the installer to visually check when the pipe is correctly fitted on the fitting.

These pipefittings are available in sizes ranging from 16 to 63mm.

TIEMME MULTI GAS fittings are classified as a permanent joint.

TIEMME JOINTING TOOLS MINI



- Battery Powered –hydraulic 9.6 volts/Ah.
- Ergonomic handling.
- Short crimping time (approx.3-4 sec.)
- Automatic piston return and motor cut off.
- 360 degree moveable jaw holder.
- Weight including crimping jaws only 2.5 kg approx.
- System dependent, up to 32mm can be used.
- At 20mm approx. 65 crimps per battery charge possible.
- Charging time of approx. 40 min.
- Delivery contents: crimping tool, carrying case, charger and two battery.
- Jaws are available in sizes 16-32mm.
- The carrying case can be supplied complete with the mini tool and accessories.

STANDARD



- Battery powered –hydraulic 12V.
- Lightweight, compact design and construction.
- Ergonomic handle design (one hand operation).
- Short pressure time (depending on pipe diameter, approx. 5 to 7 sec.)
- Automatic piston retraction after reaching operating pressure, motor cut-off.
- Maintenance and malfunction warnings microprocessor-controlled.
- 360 degree moveable jaw holder.
- Jaw range available from 16 to 63mm.
- Metal carrying case complete with battery-hydraulic tool, 1 battery and charger.
- At medium pipe diameters, approx 150 crimp strokes per battery charge.

MAKING A JOINT

The following jointing procedures using the Mini Tool are general steps only.

It is most important that the tool manual supplied with the tool is read in its entirety and the user becomes familiar with the maintenance, precautions and the proper use of this tool.

The list below should be read in conjunction with joint procedures as detailed earlier in this manual.

- 1 Ensure that the battery is fully charged and attach it to the tool.
- 2 Select the jaw size to suit the fitting to be crimped. The jaws must be examined in terms of possible damage, or dirt in the compression area.
- 3 To change the jaw push the pin in and at the same time twist it in an anti-clockwise direction.
The pin should then spring back.
- 4 Insert the jaws and line up the holes in the tool with the hole in the jaw.
- 5 Push the pin through the hole in the jaw until it locks in position.



6

- 6 Cut the pipe to the required length with the recommended multi layer pipe cutters.



7

7 Insert the deburning and calibrating tool into the pipe, and then alternately turn in a clockwise and in a counterclockwise direction.



8

8 Insert the fitting inside the pipe and under the stainless steel ring and push the pipe until it is visible in the slots of the plastic ring. This ensures you have pushed the pipe home.



9

9 By squeezing the back of the jaw the jaws will open. If you look at the machined profile on the inside of the jaws you will note a slot on each side of the profile.



10



10



11

10 With the jaws open place the fitting inside the jaws so that the raised section of the plastic ring fit into the slots in the jaws. Release the jaws so they fit snugly over the fitting ensuring that the raised section of the plastic ring fit into the slots in the jaw.

11 Press the switch mechanism until the joint is completed and the piston has retracted back into the body of the tool.

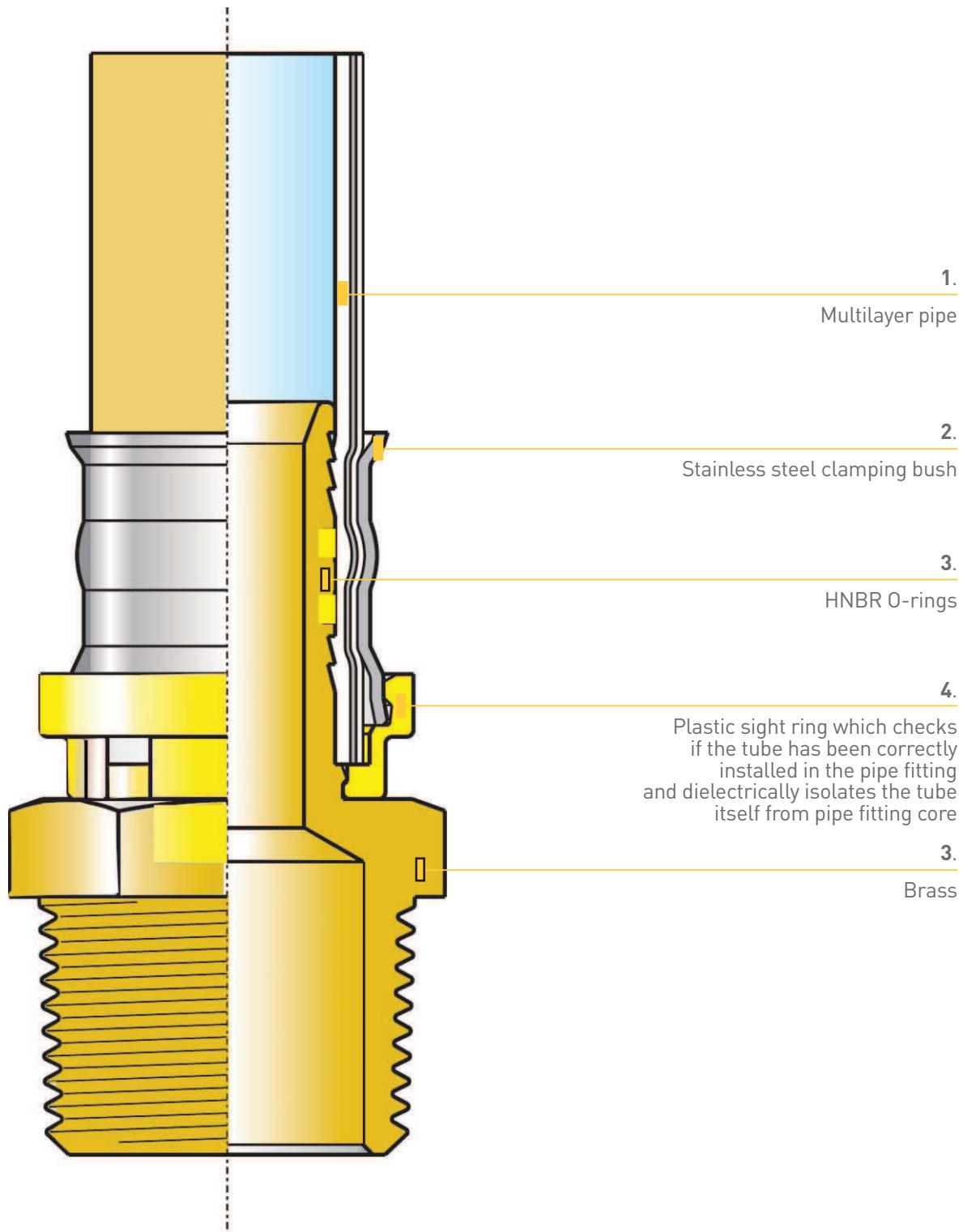


12

12 Press the back end of the jaws and remove the completed joint.

Pipe and fittings are joined and sealed thanks to the stainless steel outer bush mechanical deformation (2). This deformation is achieved by using the special TIEMME jaws.

- 1 Multilayer pipe
- 2 Stainless steel clamping bush
- 3 HNBR O-Rings
- 4 Plastic sight ring
- 5 Brass



SIZING TABLES FOR NATURAL GAS

| NATURAL GAS | | Pressure drop: 0.075kPa (Meter pressure 1.1kPa) | | | | | | | | | | Flow through PE-X/Al/PE-X pipe crimped fittings (MJ/h) | | | | | | | | | |
|---------------|--|--|------|------|------|------|------|------|------|------|------|--|------|------|------|------|------|------|------|-------------------------------|--|
| | | Length of straight pipe in metres | | | | | | | | | | | | | | | | | | | |
| Nom Size (mm) | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | Correction (+ mt for fitting) | |
| 16 | | 79 | 46 | 33 | 27 | 22 | 19 | 18 | 16 | 14 | 13 | 11 | 9.2 | 8.1 | 7.4 | 6.9 | 6.2 | 5.8 | 5.3 | 1.2 | |
| 20 | | 183 | 106 | 77 | 63 | 53 | 45 | 39 | 36 | 32 | 30 | 25 | 22 | 20 | 17 | 16 | 15 | 13.5 | 12 | 1.1 | |
| 26 | | 330 | 211 | 165 | 136 | 117 | 105 | 95 | 86 | 79 | 73 | 66 | 58 | 53 | 50 | 44 | 41 | 38 | 37 | 0.6 | |
| 32 | | 665 | 440 | 340 | 290 | 251 | 224 | 202 | 18 | 172 | 166 | 145 | 130 | 115 | 110 | 98 | 92 | 87 | 85 | 0.5 | |
| 40 | | 1620 | 1055 | 820 | 675 | 593 | 530 | 480 | 442 | 411 | 386 | 331 | 300 | 267 | 250 | 235 | 214 | 201 | 190 | N/A | |
| 50 | | 2980 | 1930 | 1490 | 1260 | 1100 | 975 | 882 | 811 | 758 | 710 | 618 | 545 | 500 | 456 | 427 | 398 | 375 | 357 | N/A | |
| 63 | | 4860 | 3250 | 2580 | 2200 | 1920 | 1740 | 1580 | 1450 | 1370 | 1290 | 1130 | 1020 | 925 | 858 | 798 | 750 | 715 | 674 | N/A | |
| NATURAL GAS | | Pressure drop: 0.250kPa (Meter pressure 2.75kPa) | | | | | | | | | | Flow through PE-X/Al/PE-X pipe crimped fittings (MJ/h) | | | | | | | | | |
| | | Length of straight pipe in metres | | | | | | | | | | | | | | | | | | | |
| Nom Size (mm) | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | Correction (+ mt for fitting) | |
| 16 | | 165 | 102 | 77 | 63 | 53 | 45 | 41 | 38 | 35 | 32 | 28 | 24 | 22 | 20 | 18 | 17 | 15.9 | 14.5 | 1.7 | |
| 20 | | 372 | 235 | 175 | 144 | 120 | 110 | 93 | 85 | 80 | 73 | 64 | 53 | 53 | 45 | 42 | 38 | 36 | 33 | 1.5 | |
| 26 | | 665 | 440 | 344 | 292 | 258 | 233 | 211 | 193 | 175 | 167 | 145 | 130 | 121 | 111 | 105 | 100 | 93 | 85 | 0.8 | |
| 32 | | 1240 | 862 | 691 | 594 | 530 | 475 | 437 | 406 | 383 | 360 | 320 | 296 | 265 | 255 | 233 | 218 | 210 | 199 | 0.7 | |
| 40 | | 2900 | 1882 | 1460 | 1200 | 1060 | 939 | 852 | 785 | 723 | 688 | 585 | 527 | 476 | 437 | 403 | 375 | 354 | 340 | N/A | |
| 50 | | 5280 | 3530 | 2780 | 2370 | 2100 | 1880 | 1700 | 1600 | 1470 | 1410 | 1230 | 1110 | 1000 | 937 | 870 | 830 | 779 | 742 | N/A | |
| 63 | | 8980 | 6140 | 4900 | 4100 | 3680 | 3340 | 3080 | 2850 | 2670 | 2530 | 2230 | 2000 | 1860 | 1710 | 1830 | 1530 | 1450 | 1370 | N/A | |

SIZING TABLES FOR LPG

| LPG GAS | | Pressure drop: 0.250kPa (Meter pressure 2.75kPa) | | | | | | | | | | Flow through PE-X/AI/PE-X pipe crimped fittings (MJ/h) | | | | | | | | |
|---------------|-------|--|------|------|------|------|------|------|------|------|------|--|------|------|------|------|------|------|-----|-------------------------------|
| | | Length of straight pipe in metres | | | | | | | | | | | | | | | | | | |
| Nom Size (mm) | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | Correction (+ mt for fitting) |
| 16 | 209 | 130 | 96 | 78 | 68 | 58 | 53 | 47 | 44 | 41 | 34 | 31 | 28 | 24 | 22.5 | 21.4 | 20 | 18.8 | 1.7 | |
| 20 | 555 | 342 | 259 | 207 | 177 | 157 | 138 | 132 | 122 | 113 | 96 | 82 | 76 | 68 | 63 | 59 | 55 | 52 | 1.5 | |
| 26 | 986 | 655 | 511 | 430 | 383 | 338 | 312 | 290 | 270 | 255 | 223 | 197 | 179 | 167 | 155 | 146 | 135 | 130 | 0.8 | |
| 32 | 1880 | 1270 | 1030 | 879 | 779 | 705 | 649 | 611 | 570 | 535 | 481 | 434 | 397 | 370 | 347 | 327 | 314 | 305 | 0.7 | |
| 40 | 3910 | 2520 | 1930 | 1620 | 1400 | 1250 | 1135 | 1037 | 965 | 910 | 786 | 697 | 635 | 580 | 538 | 500 | 480 | 455 | N/A | |
| 50 | 7020 | 4710 | 3710 | 3190 | 2750 | 2500 | 2280 | 2130 | 1990 | 1870 | 1640 | 1490 | 1370 | 1240 | 1170 | 1090 | 1050 | 1000 | N/A | |
| 63 | 11880 | 8150 | 6530 | 5580 | 4930 | 4450 | 4090 | 3820 | 3580 | 3380 | 3000 | 2690 | 2480 | 2280 | 2140 | 2040 | 1950 | 1640 | N/A | |

IAPMO R&T OCEANA

1040 Dandenong Road, Carnegie VIC 3163 AUSTRALIA



IAPMO R&T Oceana is a product certification body which inspects and arranges for the independent laboratory testing of samples taken from the manufacturer's stock or from the market or a combination of both, to verify compliance of the requirements of applicable Standards and Specifications. This activity is coupled with periodic surveillance of the manufacturer's factory and any major subcontractor's site/s as well as the assessment of the manufacturer's Quality Assurance System. This certification is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO R&T Oceana of the product acceptance by Authorities Having Jurisdiction.

WATERMARK LICENCE

WaterMark Level 1

IAPMO R&T Oceana hereby grants to:

Tiemme Raccorderie S.p.A.

Via Cavallera 6/A, Castegnato, Brescia, Italy, 25045

the right to use the WaterMark in accordance with the "Procedures for Certification of Plumbing and Drainage Products - WaterMark Technical Specification" and the Plumbing Code of Australia only in respect of the certified product as described in the attached WaterMark Schedule. The Licence is granted subject to the rules governing the Watermark Certification Scheme and the Terms and Conditions for WaterMark Certification.

Evaluated to:

AS 4176.8 Multilayer pipes for pressure applications Part 8: Multilayer piping systems for consumer gas installations with a maximum operating pressure up to and including 5 bar (500 kPa) - Specifications for systems (ISO 17484-1: 2006, MOD)

Manufacturer:

Tiemme Raccorderie S.p.A.

Licence No.: WM-022254

(Certificate of Certification No.: IAPMO-WM-022254-I01-R00)

Certified Date:

25 September 2013

Issue Date: 25 September 2013

Expiry Date:

24 September 2018

A handwritten signature in black ink that reads "Russ Chaney".

Chief Executive Officer of the IAPMO Group

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**TIEMME
MULTI
GAS**

product list
CRIMP

 **TIEMME**
ORIGINAL ITALIAN TRADEMARK

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX" - ISO 7



ART. 1650GAS

Straight fitting male

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|------------|---------|----------|
| 1650G001404GAS | 14 x 1/2" | 4,05 | 10/100 |
| 1650G001603GAS | 16 x 3/8" | 2,72 | 10/100 |
| 1650G001604GAS | 16 x 1/2" | 2,21 | 10/100 |
| 1650G001605GAS | 16 x 3/4" | 3,93 | 10/100 |
| 1650G001804GAS | 18 x 1/2" | 2,85 | 10/100 |
| 1650G001805GAS | 18 x 3/4" | 4,03 | 10/100 |
| 1650G002004GAS | 20 x 1/2" | 2,65 | 10/100 |
| 1650G002005GAS | 20 x 3/4" | 3,35 | 10/100 |
| 1650G002505GAS | 25 x 3/4" | 5,90 | 10/50 |
| 1650G002506GAS | 25 x 1" | 7,68 | 5/25 |
| 1650G002604GAS | 26 x 1/2" | 5,10 | 10/50 |
| 1650G002605GAS | 26 x 3/4" | 4,97 | 10/50 |
| 1650G002606GAS | 26 x 1" | 7,68 | 5/25 |
| 1650G003206GAS | 32 x 1" | 8,59 | 5/25 |
| 1650G003207GAS | 32 x 1"1/4 | 15,55 | 5/25 |
| 1650G004007GAS | 40 x 1"1/4 | 13,45 | 5/25 |
| 1650G005008GAS | 50 x 1"1/2 | 24,46 | 2/16 |
| 1650G006309GAS | 63 x 2" | 36,25 | 2/16 |



ART. 1651GAS

Straight fitting double

| CODE | SIZE | PRICE € | UNIT/BOX |
|---------------------------------|---------|---------|----------|
| 1651G141400GAS | 14 x 14 | 6,30 | 10/100 |
| 1651G161600GAS | 16 x 16 | 3,56 | 10/100 |
| 1651G181800GAS | 18 x 18 | 5,87 | 10/100 |
| 1651G202000GAS | 20 x 20 | 4,56 | 10/100 |
| 1651G252500GAS | 25 x 25 | 7,50 | 5/50 |
| 1651G262600GAS | 26 x 26 | 6,32 | 5/50 |
| 1651G323200GAS | 32 x 32 | 10,96 | 5/25 |
| 1651G404000GAS | 40 x 40 | 15,81 | 5/25 |
| 1651G505000GAS | 50 x 50 | 30,36 | 2/16 |
| 1651G636300GAS | 63 x 63 | 48,46 | 2/16 |
| Reduced straight fitting double | | | |
| 1651G161400GAS | 16 x 14 | 5,82 | 10/100 |
| 1651G181600GAS | 18 x 16 | 4,81 | 10/100 |
| 1651G201600GAS | 20 x 16 | 4,82 | 10/100 |
| 1651G201800GAS | 20 x 18 | 6,79 | 10/100 |
| 1651G252000GAS | 25 x 20 | 8,21 | 10/100 |
| 1651G261600GAS | 26 x 16 | 6,99 | 10/100 |
| 1651G261800GAS | 26 x 18 | 8,42 | 10/100 |
| 1651G262000GAS | 26 x 20 | 8,21 | 10/100 |
| 1651G262500GAS | 26 x 25 | 7,50 | 5/50 |
| 1651G321600GAS | 32 x 16 | 12,29 | 5/25 |
| 1651G322000GAS | 32 x 20 | 11,08 | 5/25 |
| 1651G322600GAS | 32 x 26 | 11,99 | 5/25 |
| 1651G402600GAS | 40 x 26 | 16,36 | 5/25 |
| 1651G403200GAS | 40 x 32 | 16,19 | 5/25 |
| 1651G503200GAS | 50 x 32 | 28,77 | 2/16 |
| 1651G504000GAS | 50 x 40 | 28,22 | 2/16 |
| 1651G634000GAS | 63 x 40 | 46,34 | 2/16 |
| 1651G635000GAS | 63 x 50 | 47,99 | 2/16 |



ART. 1651KBGAS

Straight fitting double multilayer pipe/compression copper pipe

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|---------------|---------|----------|
| 1651G1615KBGAS | 16 x 2 - Ø 15 | 5,42 | 10/100 |
| 1651G2022KBGAS | 20 x 2 - Ø 22 | 6,74 | 10/100 |
| 1651G2622KBGAS | 26 x 3 - Ø 22 | 9,10 | 5/25 |
| 1651G2628KBGAS | 26 x 3 - Ø 28 | 9,77 | 5/25 |



ART. 1653KBGAS

Elbow double multilayer pipe/compression copper pipe

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-------------|---------|----------|
| 1653G1615KBGAS | 16 x 2 - 15 | 6,82 | 10/100 |
| 1653G2022KBGAS | 20 x 2 - 22 | 9,81 | 10/100 |
| 1653G2622KBGAS | 26 x 3 - 22 | 12,28 | 5/25 |



ART. 1651CYGAS

Straight fitting multilayer pipe/cylindrical tube

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-----------|---------|----------|
| 1651G1612CYGAS | 16 x Ø 12 | 2,06 | 10/100 |
| 1651G1615CYGAS | 16 x Ø 15 | 2,09 | 10/100 |
| 1651G2015CYGAS | 20 x Ø 15 | 2,72 | 10/100 |
| 1651G2022CYGAS | 20 x Ø 22 | 3,49 | 10/100 |
| 1651G2622CYGAS | 26 x Ø 22 | 3,82 | 10/100 |
| 1651G2628CYGAS | 26 x Ø 28 | 4,68 | 10/100 |

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX" - ISO 7



ART. 1652GAS
Straight fitting female

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|------------|---------|----------|
| 1652G001404GAS | 14 x 1/2" | 4,11 | 10/100 |
| 1652G001604GAS | 16 x 1/2" | 2,68 | 10/100 |
| 1652G001605GAS | 16 x 3/4" | 5,92 | 10/100 |
| 1652G001804GAS | 18 x 1/2" | 4,64 | 10/100 |
| 1652G001805GAS | 18 x 3/4" | 6,27 | 10/100 |
| 1652G002004GAS | 20 x 1/2" | 3,65 | 10/100 |
| 1652G002005GAS | 20 x 3/4" | 4,62 | 10/100 |
| 1652G002505GAS | 25 x 3/4" | 6,77 | 5/25 |
| 1652G002506GAS | 25 x 1" | 8,56 | 5/25 |
| 1652G002605GAS | 26 x 3/4" | 6,15 | 5/25 |
| 1652G002606GAS | 26 x 1" | 8,56 | 5/25 |
| 1652G003206GAS | 32 x 1" | 9,63 | 5/25 |
| 1652G003207GAS | 32 x 1"1/4 | 16,33 | 5/25 |
| 1652G004007GAS | 40 x 1"1/4 | 15,01 | 5/25 |
| 1652G005008GAS | 50 x 1"1/2 | 28,32 | 2/16 |



ART. 1653GAS
Elbow double

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|---------|---------|----------|
| 1653G141400GAS | 14 x 14 | 6,74 | 10/100 |
| 1653G161600GAS | 16 x 16 | 4,06 | 10/100 |
| 1653G181800GAS | 18 x 18 | 6,58 | 10/100 |
| 1653G202000GAS | 20 x 20 | 5,21 | 10/100 |
| 1653G252500GAS | 25 x 25 | 9,62 | 5/25 |
| 1653G262600GAS | 26 x 26 | 8,76 | 5/25 |
| 1653G323200GAS | 32 x 32 | 12,24 | 5/25 |
| 1653G404000GAS | 40 x 40 | 20,30 | 5/25 |
| 1653G505000GAS | 50 x 50 | 52,11 | 2/8 |
| 1653G636300GAS | 63 x 63 | 62,24 | 2/8 |



ART. 1654GAS
Elbow male

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-------------|---------|----------|
| 1654G001404GAS | 14 x 1/2" | 6,38 | 10/100 |
| 1654G001604GAS | 16 x 1/2" | 4,17 | 10/100 |
| 1654G001804GAS | 18 x 1/2" | 6,36 | 10/100 |
| 1654G001805GAS | 18 x 3/4" | 9,43 | 10/100 |
| 1654G002004GAS | 20 x 1/2" | 4,50 | 10/100 |
| 1654G002005GAS | 20 x 3/4" | 6,03 | 10/50 |
| 1654G002505GAS | 25 x 3/4" | 7,67 | 5/50 |
| 1654G002605GAS | 26 x 3/4" | 6,88 | 5/50 |
| 1654G003206GAS | 32 x 1" | 13,82 | 5/25 |
| 1654G004007GAS | 40 x 1"1/4" | 23,48 | 5/25 |
| 1654G005008GAS | 50 x 1"1/2" | 44,80 | 2/8 |
| 1654G006309GAS | 63 x 2" | 52,61 | 2/8 |



ART. 1653CYGAS
Elbow multilayer pipe
Cylindrical tube L=60 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|------------------|---------|----------|
| 1653C1612CYGAS | 16 x Ø12 L=60 mm | 6,41 | 10/100 |



ART. 1661GAS
45° Elbow

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|---------|---------|----------|
| 1661G262600GAS | 26 x 26 | 18,46 | 5/25 |
| 1661G323200GAS | 32 x 32 | 20,70 | 5/25 |
| 1661G404000GAS | 40 x 40 | 57,62 | 5/25 |
| 1661G505000GAS | 50 x 50 | 61,48 | 1/10 |
| 1661G636300GAS | 63 x 63 | 82,21 | 1/5 |



ART. 1655GAS
Elbow female

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-------------|---------|----------|
| 1655G001404GAS | 14 x 1/2" | 6,58 | 10/100 |
| 1655G001604GAS | 16 x 1/2" | 3,97 | 10/100 |
| 1655G001804GAS | 18 x 1/2" | 6,17 | 10/100 |
| 1655G001805GAS | 18 x 3/4" | 8,89 | 10/100 |
| 1655G002004GAS | 20 x 1/2" | 4,29 | 10/100 |
| 1655G002005GAS | 20 x 3/4" | 7,03 | 10/50 |
| 1655G002505GAS | 25 x 3/4" | 9,11 | 5/25 |
| 1655G002605GAS | 26 x 3/4" | 9,11 | 5/25 |
| 1655G002606GAS | 26 x 1" | 15,30 | 5/25 |
| 1655G003206GAS | 32 x 1" | 15,72 | 5/25 |
| 1655G004007GAS | 40 x 1"1/4" | 25,32 | 5/25 |
| 1655G005008GAS | 50 x 1"1/2" | 50,06 | 2/8 |

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX" - ISO 7



ART. 1662GAS

Wallplate elbow female for built-in
WC

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-----------|---------|----------|
| 1662G001604GAS | 16 x 1/2" | 11,56 | 10/50 |
| 1662G001804GAS | 18 x 1/2" | 11,74 | 10/50 |
| 1662G002004GAS | 20 x 1/2" | 12,06 | 5/25 |



ART. 1656GAS

Wallplate elbow female with 3
holes
H = 53 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-----------|---------|----------|
| 1656G001404GAS | 14 x 1/2" | 7,11 | 10/50 |
| 1656G001604GAS | 16 x 1/2" | 5,38 | 10/50 |
| 1656G001804GAS | 18 x 1/2" | 7,11 | 10/50 |
| 1656G002004GAS | 20 x 1/2" | 6,58 | 5/50 |



ART. 1656SMGAS

Wallplate elbow female with 3
holes
H = 40 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|------------------|-----------|---------|----------|
| 1656G001404SMGAS | 14 x 1/2" | 6,97 | 10/50 |
| 1656G001604SMGAS | 16 x 1/2" | 5,26 | 10/50 |
| 1656G001804SMGAS | 18 x 1/2" | 6,93 | 5/50 |
| 1656G002004SMGAS | 20 x 1/2" | 6,97 | 5/50 |



ART. 1656KBGAS

Wallplate elbow for
multilayer/copper pipes
H = 53 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|---------|---------|----------|
| 1656G1415KBGAS | 14 x 15 | 8,64 | 10/50 |
| 1656G1615KBGAS | 16 x 15 | 8,75 | 10/50 |
| 1656G2015KBGAS | 20 x 15 | 9,02 | 5/50 |



ART. 1676GAS

Double wallplate elbow female
H = 53 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|----------------|---------|----------|
| 1676G160416GAS | 16 x 1/2" x 16 | 11,41 | 10/50 |
| 1676G180418GAS | 18 x 1/2" x 18 | 12,06 | 10/50 |
| 1676G200420GAS | 20 x 1/2" x 20 | 12,27 | 5/50 |



ART. 1656XLGAS

Double wallplate elbow female with 3
holes
H = 77 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|------------------|-----------|---------|----------|
| 1656G001404XLGAS | 14 x 1/2" | 9,11 | 10/50 |
| 1656G001604XLGAS | 16 x 1/2" | 8,13 | 10/50 |



ART. 1676SMGAS

Double wallplate elbow female
H = 40 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|------------------|-----------|---------|----------|
| 1676G140414SMGAS | 14 x 1/2" | 11,41 | 10/50 |
| 1676G160416SMGAS | 16 x 1/2" | 11,41 | 10/50 |
| 1676G180418SMGAS | 18 x 1/2" | 12,06 | 5/50 |
| 1676G200420SMGAS | 20 x 1/2" | 12,27 | 5/50 |



ART. 1676KBGAS

Double wallplate elbow for
multilayer/copper pipes
H = 53 mm

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|--------------|---------|----------|
| 1676G1615KBGAS | 16 x 15 x 16 | 11,61 | 10/50 |
| 1676G2015KBGAS | 20 x 15 x 20 | 12,58 | 5/50 |

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX" - ISO 7



ART. 1657GAS

Tee

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|--------------|---------|----------|
| 1657G141414GAS | 14 x 14 x 14 | 8,00 | 10/50 |
| 1657G161616GAS | 16 x 16 x 16 | 5,50 | 10/50 |
| 1657G181818GAS | 18 x 18 x 18 | 9,00 | 10/50 |
| 1657G202020GAS | 20 x 20 x 20 | 6,74 | 5/50 |
| 1657G252525GAS | 25 x 25 x 25 | 13,41 | 5/25 |
| 1657G262626GAS | 26 x 26 x 26 | 12,21 | 5/25 |
| 1657G323232GAS | 32 x 32 x 32 | 19,21 | 5/25 |
| 1657G404040GAS | 40 x 40 x 40 | 27,48 | 5/20 |
| 1657G505050GAS | 50 x 50 x 50 | 49,17 | 1/10 |
| 1657G636363GAS | 63 x 63 x 63 | 84,51 | 1/5 |
| Tee reduced | | | |
| 1657G161414GAS | 16 x 14 x 14 | 9,22 | 10/50 |
| 1657G161416GAS | 16 x 14 x 16 | 9,02 | 10/50 |
| 1657G162016GAS | 16 x 20 x 16 | 8,50 | 5/50 |
| 1657G181616GAS | 18 x 16 x 16 | 8,15 | 10/50 |
| 1657G181618GAS | 18 x 16 x 18 | 9,67 | 10/50 |
| 1657G201616GAS | 20 x 16 x 16 | 8,15 | 5/50 |
| 1657G201620GAS | 20 x 16 x 20 | 7,03 | 5/50 |
| 1657G201818GAS | 20 x 18 x 18 | 11,06 | 5/50 |
| 1657G201820GAS | 20 x 18 x 20 | 10,76 | 5/50 |
| 1657G202016GAS | 20 x 20 x 16 | 8,64 | 5/50 |
| 1657G202018GAS | 20 x 20 x 18 | 9,26 | 5/50 |
| 1657G202620GAS | 20 x 26 x 20 | 14,20 | 5/25 |
| 1657G251616GAS | 25 x 16 x 16 | 14,23 | 5/25 |
| 1657G251625GAS | 25 x 16 x 25 | 14,15 | 5/25 |
| 1657G252020GAS | 25 x 20 x 20 | 13,86 | 5/25 |
| 1657G252025GAS | 25 x 20 x 25 | 14,20 | 5/25 |
| 1657G252520GAS | 25 x 25 x 20 | 15,05 | 5/25 |
| 1657G261616GAS | 26 x 16 x 16 | 14,23 | 5/25 |
| 1657G261620GAS | 26 x 16 x 20 | 12,12 | 5/25 |
| 1657G261626GAS | 26 x 16 x 26 | 14,15 | 5/25 |
| 1657G261826GAS | 26 x 18 x 26 | 14,82 | 5/25 |
| 1657G262016GAS | 26 x 20 x 16 | 14,28 | 5/25 |
| 1657G262020GAS | 26 x 20 x 20 | 13,86 | 5/25 |
| 1657G262026GAS | 26 x 20 x 26 | 14,20 | 5/25 |
| 1657G262616GAS | 26 x 26 x 16 | 14,66 | 5/25 |
| 1657G262620GAS | 26 x 26 x 20 | 15,05 | 5/25 |
| 1657G263226GAS | 26 x 32 x 26 | 21,62 | 5/25 |
| 1657G321632GAS | 32 x 16 x 32 | 19,06 | 5/25 |
| 1657G322020GAS | 32 x 20 x 20 | 18,62 | 5/25 |
| 1657G322026GAS | 32 x 20 x 26 | 18,94 | 5/25 |
| 1657G322032GAS | 32 x 20 x 32 | 18,18 | 5/25 |
| 1657G322626GAS | 32 x 26 x 26 | 18,46 | 5/25 |
| 1657G322632GAS | 32 x 26 x 32 | 18,27 | 5/25 |
| 1657G323220GAS | 32 x 32 x 20 | 23,51 | 5/25 |
| 1657G323226GAS | 32 x 32 x 26 | 21,65 | 5/25 |
| 1657G324032GAS | 32 x 40 x 32 | 27,85 | 5/20 |
| 1657G401640GAS | 40 x 16 x 40 | 30,67 | 5/20 |
| 1657G402040GAS | 40 x 20 x 40 | 30,86 | 5/20 |

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|--------------|---------|----------|
| 1657G402640GAS | 40 x 26 x 40 | 31,29 | 5/20 |
| 1657G403232GAS | 40 x 32 x 32 | 28,44 | 5/20 |
| 1657G403240GAS | 40 x 32 x 40 | 27,83 | 5/20 |
| 1657G404026GAS | 40 x 40 x 26 | 31,29 | 5/20 |
| 1657G404032GAS | 40 x 40 x 32 | 31,14 | 5/20 |
| 1657G405040GAS | 40 x 50 x 40 | 47,73 | 1/10 |
| 1657G501650GAS | 50 x 16 x 50 | 42,90 | 1/10 |
| 1657G502050GAS | 50 x 20 x 50 | 41,94 | 1/10 |
| 1657G502650GAS | 50 x 26 x 50 | 44,66 | 1/10 |
| 1657G503250GAS | 50 x 32 x 50 | 47,19 | 1/10 |
| 1657G504040GAS | 50 x 40 x 40 | 47,74 | 1/10 |
| 1657G504050GAS | 50 x 40 x 50 | 47,68 | 1/10 |
| 1657G505032GAS | 50 x 50 x 32 | 54,60 | 1/10 |
| 1657G505040GAS | 50 x 50 x 40 | 55,92 | 1/10 |
| 1657G632663GAS | 63 x 26 x 63 | 86,90 | 1/5 |
| 1657G633263GAS | 63 x 32 x 63 | 86,10 | 1/5 |
| 1657G634063GAS | 63 x 40 x 63 | 86,77 | 1/5 |
| 1657G635063GAS | 63 x 50 x 63 | 87,08 | 1/5 |

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX" - ISO 7



ART. 1658GAS

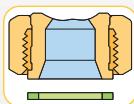
Tee male

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-----------------|---------|----------|
| 1658G140414GAS | 14 x 1/2" x 14 | 8,91 | 10/100 |
| 1658G160416GAS | 16 x 1/2" x 16 | 8,06 | 10/100 |
| 1658G180418GAS | 18 x 1/2" x 18 | 9,34 | 10/100 |
| 1658G180518GAS | 18 x 3/4" x 18 | 10,81 | 10/100 |
| 1658G200420GAS | 20 x 1/2" x 20 | 9,17 | 5/100 |
| 1658G200520GAS | 20 x 3/4" x 20 | 9,92 | 5/50 |
| 1658G260426GAS | 26 x 1/2" x 26 | 16,28 | 5/25 |
| 1658G260526GAS | 26 x 3/4" x 26 | 15,91 | 5/25 |
| 1658G260626GAS | 26 x 1" x 26 | 18,72 | 5/25 |
| 1658G320532GAS | 32 x 3/4" x 32 | 25,76 | 5/25 |
| 1658G320632GAS | 32 x 1" x 32 | 19,08 | 5/25 |
| 1658G400740GAS | 40 x 1"1/4 x 40 | 28,11 | 5/20 |



ART. 1665GAS

Straight fitting with loose nut and flat washer



| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|------------|---------|----------|
| 1665G001404GAS | 14 x 1/2" | 3,50 | 10/100 |
| 1665G001603GAS | 16 x 3/8" | 2,98 | 10/100 |
| 1665G001604GAS | 16 x 1/2" | 2,88 | 10/100 |
| 1665G001605GAS | 16 x 3/4" | 4,34 | 10/100 |
| 1665G001606GAS | 16 x 1" | 12,21 | 10/100 |
| 1665G001804GAS | 18 x 1/2" | 3,50 | 10/100 |
| 1665G001805GAS | 18 x 3/4" | 5,34 | 10/100 |
| 1665G002004GAS | 20 x 1/2" | 3,57 | 10/100 |
| 1665G002005GAS | 20 x 3/4" | 4,76 | 10/100 |
| 1665G002506GAS | 25 x 1" | 14,44 | 2/50 |
| 1665G002605GAS | 26 x 3/4" | 13,40 | 2/100 |
| 1665G002606GAS | 26 x 1" | 14,44 | 2/50 |
| 1665G002607GAS | 26 x 1"1/4 | 17,36 | 2/90 |
| 1665G003206GAS | 32 x 1" | 17,39 | 2/100 |
| 1665G003207GAS | 32 x 1"1/4 | 17,48 | 2/80 |
| 1665G003208GAS | 32 x 1"1/2 | 22,40 | 1/50 |
| 1665G004008GAS | 40 x 1"1/2 | 22,49 | 1/25 |
| 1665G005009GAS | 50 x 2" | 35,07 | 1/30 |
| 1665G006310GAS | 63 x 2"1/2 | 52,94 | 1/20 |



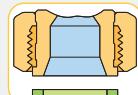
ART. 1659GAS

Tee female

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|------------------|---------|----------|
| 1659G140414GAS | 14 x 1/2" x 14 | 10,96 | 10/100 |
| 1659G160416GAS | 16 x 1/2" x 16 | 7,82 | 10/100 |
| 1659G180418GAS | 18 x 1/2" x 18 | 8,81 | 10/100 |
| 1659G180518GAS | 18 x 3/4" x 18 | 10,96 | 10/50 |
| 1659G200420GAS | 20 x 1/2" x 20 | 8,10 | 5/50 |
| 1659G200520GAS | 20 x 3/4" x 20 | 10,83 | 5/50 |
| 1659G250525GAS | 25 x 3/4" x 25 | 15,60 | 5/25 |
| 1659G260426GAS | 26 x 1/2" x 26 | 17,12 | 5/25 |
| 1659G260526GAS | 26 x 3/4" x 26 | 15,60 | 5/25 |
| 1659G320432GAS | 32 x 1/2" x 32 | 24,73 | 5/25 |
| 1659G320532GAS | 32 x 3/4" x 32 | 22,42 | 5/25 |
| 1659G320632GAS | 32 x 1" x 32 | 22,46 | 5/25 |
| 1659G400640GAS | 40 x 1" x 40 | 27,08 | 5/20 |
| 1659G400740GAS | 40 x 1"1/4" x 40 | 29,97 | 5/20 |
| 1659G500550GAS | 50 x 3/4" x 50 | 44,57 | 1/10 |
| 1659G500650GAS | 50 x 1" x 50 | 45,77 | 1/10 |
| 1659G630663GAS | 63 x 1" x 63 | 77,07 | 1/5 |

ART. 1666GAS

Straight fitting with loose nut for 3/4"x18 connections (EUROCONUS)

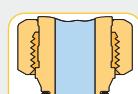
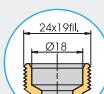


| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-----------|---------|----------|
| 1666G001405GAS | 14 x 3/4" | 9,76 | 10/100 |
| 1666G001605GAS | 16 x 3/4" | 8,82 | 10/100 |
| 1666G001805GAS | 18 x 3/4" | 9,76 | 10/100 |
| 1666G002005GAS | 20 x 3/4" | 9,21 | 10/100 |



ART. 1666KGAS

Chrome-plated straight fitting with loose nut for 24x19(Ø18) connections



| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|------------------|---------|----------|
| 1666K001619GAS | 16 x 24 (19 fil) | 6,90 | 10/100 |
| 1666K001819GAS | 18 x 24 (19 fil) | 6,90 | 10/100 |
| 1666K002019GAS | 16 x 24 (19 fil) | 7,02 | 10/100 |

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX" - ISO 7



ART. 1667GAS

Straight fitting male with loose nut connector

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-----------|---------|----------|
| 1667G142004GAS | 14 x 1/2" | 7,70 | 10/100 |
| 1667G142005GAS | 14 x 3/4" | 8,39 | 10/100 |
| 1667G162004GAS | 16 x 1/2" | 7,70 | 10/100 |
| 1667G162005GAS | 16 x 3/4" | 8,39 | 10/100 |
| 1667G182004GAS | 18 x 1/2" | 7,70 | 10/100 |
| 1667G182005GAS | 18 x 3/4" | 8,39 | 10/100 |
| 1667G202004GAS | 20 x 1/2" | 7,70 | 5/100 |
| 1667G202005GAS | 20 x 3/4" | 8,39 | 5/100 |
| 1667G263005GAS | 26 x 3/4" | 10,24 | 5/25 |
| 1667G263006GAS | 26 x 1" | 13,58 | 5/25 |
| 1667G323006GAS | 32 x 1" | 17,79 | 1/40 |



ART. 1669GAS

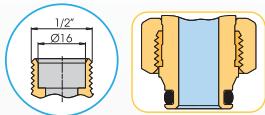
Elbow fitting male with loose nut connector

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|---------|---------|----------|
| 1669G263006GAS | 26 x 1" | 15,61 | 5/25 |



ART. 1668GAS

Straight fitting with loose nut for 1/2" x 16 or M22x16 connections

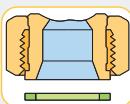


| CODE | SIZE | PRICE € | UNIT/BOX |
|--------------|-----------|---------|----------|
| 1668G1404GAS | 14 x 1/2" | 3,50 | 10/100 |
| 1668G1604GAS | 16 x 1/2" | 3,15 | 10/100 |
| 1668G1804GAS | 18 x 1/2" | 3,77 | 10/100 |
| 1668G2004GAS | 20 x 1/2" | 3,84 | 10/100 |
| 1668N1422GAS | 14 x M22 | 3,72 | 5/200 |
| 1668N1622GAS | 16 x M22 | 3,88 | 5/200 |



ART. 1660BPGAS

Elbow fitting with loose nut and flat seat



| CODE | SIZE | PRICE € | UNIT/BOX |
|------------------|-----------|---------|----------|
| 1660G001605BPGAS | 16 x 3/4" | 9,86 | 5/100 |
| 1660G002005BPGAS | 20 x 3/4" | 9,92 | 5/100 |
| 1660G002605BPGAS | 26 x 3/4" | 11,97 | 5/50 |



ART. 1677GAS

Stop end

| CODE | SIZE | PRICE € | UNIT/BOX |
|--------------|------|---------|----------|
| 1677G0014GAS | 14 | 5,44 | 10/100 |
| 1677G0016GAS | 16 | 5,42 | 10/100 |
| 1677G0018GAS | 18 | 5,93 | 10/100 |
| 1677G0020GAS | 20 | 6,47 | 10/100 |
| 1677G0026GAS | 26 | 7,11 | 5/50 |
| 1677G0032GAS | 32 | 8,20 | 5/50 |
| 1677G0040GAS | 40 | 14,44 | 5/25 |

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX"



ART. 1670XGAS

Stainless steel Cobrapress sleeve

| CODE | SIZE | PRICE € | UNIT/BOX |
|------------|------|---------|----------|
| 1670X14GAS | 14 | 0,80 | 10/400 |
| 1670X16GAS | 16 | 0,82 | 10/350 |
| 1670X18GAS | 18 | 1,19 | 10/300 |
| 1670X20GAS | 20 | 0,93 | 10/300 |
| 1670X25GAS | 25 | 1,35 | 10/200 |
| 1670X26GAS | 26 | 1,35 | 10/200 |
| 1670X32GAS | 32 | 1,83 | 10/150 |
| 1670X40GAS | 40 | 2,90 | 10/100 |
| 1670X50GAS | 50 | 6,15 | 1/50 |
| 1670X63GAS | 63 | 8,76 | 1/30 |



ART. 1671GAS

Extension repairing pipes

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|------|---------|----------|
| 1671G141400GAS | 14 | 7,41 | 5/100 |
| 1671G161600GAS | 16 | 7,85 | 5/100 |
| 1671G181800GAS | 18 | 8,44 | 5/100 |
| 1671G202000GAS | 20 | 8,88 | 5/100 |



ART. 1674GAS

Reduction for multilayer pipe/
soldering copper pipe

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|----------------|---------|----------|
| 1674G161500GAS | 16 x 2" - Ø 15 | 2,96 | 10/100 |



ART. 1697GAS

Straight ball valve with "T" handle
and loose nut for gas water
connection

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------------|-----------|---------|----------|
| 1697G202005GAS | 20 x 3/4" | 12,56 | 20/80 |
| 1697G252505GAS | 25 x 3/4" | 14,63 | 20/80 |
| 1697G263005GAS | 26 x 3/4" | 14,63 | 20/80 |
| 1697G323006GAS | 32 x 1" | 25,52 | 10/40 |



ART. 1690GAS

Built in ball valve

| CODE | SIZE | PRICE € | UNIT/BOX |
|--------------|---------|---------|----------|
| 1690G1616GAS | 16 x 16 | 20,98 | 5/50 |
| 1690G1818GAS | 18 x 18 | 20,98 | 5/50 |
| 1690G2020GAS | 20 x 20 | 20,98 | 5/50 |
| 1690G2525GAS | 25 x 25 | 23,64 | 5/50 |
| 1690G2626GAS | 26 x 26 | 23,64 | 5/50 |



ART. 1691GAS

Ball valve with T handle

| CODE | SIZE | PRICE € | UNIT/BOX |
|--------------|---------|---------|----------|
| 1691G1616GAS | 16 x 16 | 18,89 | 5/50 |
| 1691G2020GAS | 20 x 20 | 18,89 | 5/50 |
| 1691G2626GAS | 26 x 26 | 21,28 | 5/50 |



ART. 1692GAS

Angle ball valve with "T" handle
and loose nut for gas water
connection

| CODE | SIZE | PRICE € | UNIT/BOX |
|--------------|-----------|---------|----------|
| 1692G2005GAS | 20 x 3/4" | 14,55 | 15/60 |
| 1692G2605GAS | 26 x 3/4" | 18,04 | 15/60 |
| 1692G3206GAS | 32 x 1" | 30,10 | 10/40 |

PRESS-FITTINGS FOR MULTILAYER PIPE "AL-COBRAPEX"



ART. 2960SET

Cap and rosette for built-in valve
for art. 2960, 1690C, 1690CU and
1696

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------|------|---------|----------|
| 2960CSET | | 4,72 | 12/48 |



ART. 2960PR

Spindle extension for built-in valve
for art. 2960, 1690C, 1690CU and
1696

| CODE | SIZE | PRICE € | UNIT/BOX |
|--------|------|---------|----------|
| 2960PR | 1/2" | 5,75 | 10/200 |



ART. 2961SET

Handle and rosette for built-in
valve - for art. 2960 and 1690C,
1690CU and 1696

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------|------|---------|----------|
| 2961CSET | | 5,21 | 12/48 |



ART. 2963SET

Handle and rosette for built-in
valve - for art. 2960 and 1690C,
1690CU and 1696

| CODE | SIZE | PRICE € | UNIT/BOX |
|----------|------|---------|----------|
| 2963CSET | | 5,63 | 10/40 |

"AL-COBRAPEX" MULTILAYER PIPE



ART. 0600 - 0660

Yellow rolls cross-linked polyethylene
pipe with aluminium insert

| CODE | SIZE | ALUM. | PRICE € | UNIT/BOX |
|-------------|----------|-------|---------|--------------|
| 0600G142010 | 14 x 2,0 | 0,30 | 2,21 | 100 m/1800 m |
| 0600G162010 | 16 x 2,0 | 0,30 | 1,79 | 100 m/1800 m |
| 0600G182010 | 18 x 2,0 | 0,35 | 2,15 | 100 m/1800 m |
| 0600G202010 | 20 x 2,0 | 0,40 | 2,41 | 100 m/1800 m |
| 0600G263005 | 26 x 3,0 | 0,65 | 5,24 | 50 m/900 m |
| 0600G323002 | 32 x 3,0 | 0,85 | 8,74 | 25 m/500 m |
| <hr/> | | | | |
| 0660G142010 | 14 x 2,0 | 0,20 | 1,35 | 100 m/2800 m |
| 0660G162010 | 16 x 2,0 | 0,20 | 1,47 | 100 m/2800 m |
| 0660G182010 | 18 x 2,0 | 0,25 | 1,68 | 100 m/1800 m |
| 0660G202010 | 20 x 2,0 | 0,25 | 2,03 | 100 m/1800 m |
| 0660G252505 | 25 x 2,5 | 0,30 | 3,21 | 50 m/900 m |
| 0660G263005 | 26 x 3,0 | 0,30 | 3,38 | 50 m/900 m |
| 0660G323002 | 32 x 3,0 | 0,50 | 6,76 | 25 m/250 m |



ART. 0600

Yellow bars cross-linked polyethylene
pipe with aluminium insert

| CODE | SIZE | ALUM. | PRICE € | UNIT/BOX |
|-------------|----------|-------|---------|--------------------|
| 0600G162001 | 16 x 2,0 | 0,30 | 2,88 | 4 m x 15 pz= 60 m |
| 0600G182001 | 18 x 2,0 | 0,35 | 2,84 | 4 m x 10 pz= 40 m |
| 0600G202001 | 20 x 2,0 | 0,40 | 3,85 | 4 m x 10 pz= 40 m |
| 0600G263001 | 26 x 3,0 | 0,65 | 6,82 | 4 m x 10 pz= 40 m |
| 0600G323001 | 32 x 3,0 | 0,85 | 10,65 | 4 m x 10 pz= 40 m |
| 0600G403501 | 40 x 3,5 | 1,00 | 13,76 | 4 m x 5 pz= 20 m |
| 0600G504001 | 50 x 4,0 | 1,20 | 18,56 | 4 m x 5 pz= 20 m |
| 0600G634501 | 63 x 4,5 | 1,50 | 36,94 | 4 m x 3 pz= 12 m |
| <hr/> | | | | |
| 0660G142001 | 14 x 2,0 | 0,20 | 1,74 | 4 m x 15 pz= 60 m |
| 0660G162001 | 16 x 2,0 | 0,20 | 1,91 | 4 m x 60 pz= 240 m |
| 0660G182001 | 18 x 2,0 | 0,25 | 2,18 | 4 m x 40 pz= 160 m |
| 0660G202001 | 20 x 2,0 | 0,25 | 2,65 | 4 m x 40 pz= 160 m |
| 0660G252501 | 25 x 2,5 | 0,30 | 4,17 | 4 m x 20 pz= 80 m |
| 0660G263001 | 26 x 3,0 | 0,30 | 4,41 | 4 m x 20 pz= 80 m |
| 0660G323001 | 32 x 3,0 | 0,50 | 8,79 | 4 m x 15 pz= 60 m |

ACCESSORIES

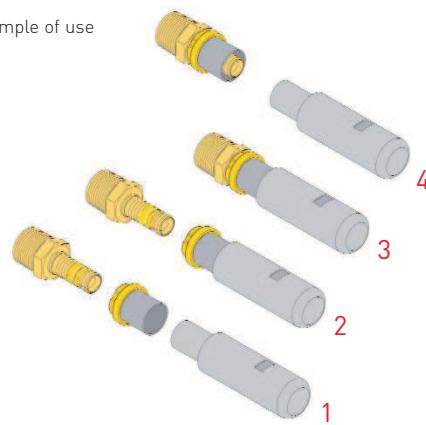


ART. 1699

Inox sleeve assembling tool

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|------|---------|----------|
| 1699X0014 | 14 | 48,53 | 1/1 |
| 1699X0016 | 16 | 48,53 | 1/1 |
| 1699X0018 | 18 | 48,53 | 1/1 |
| 1699X0020 | 20 | 48,53 | 1/1 |
| 1699X0026 | 26 | 48,53 | 1/1 |
| 1699X0032 | 32 | 48,53 | 1/1 |
| 1699X0040 | 40 | 48,53 | 1/1 |

Example of use



ART. 1495

Pipe cutter

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|--------|---------|----------|
| 1495R0035 | 0 - 35 | 56,68 | 1/1 |



ART. 1496

Pipe cutter

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|-------------------|---------|----------|
| 1496R0020 | 14 - 16 - 18 - 20 | 144,18 | 1/1 |



ART. 1682

Reamer

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|----------------|---------|----------|
| 1682G0000 | unica - single | 22,04 | 1/1 |



ART. 1683

Pipe cutter with reamer

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|--------|---------|----------|
| 1683B0032 | 0 - 32 | 35,71 | 1/1 |
| 1683B0063 | 0 - 67 | 85,69 | 1/1 |

ACCESSORIES



ART. 1695TM01

Standard Battery crimping machine
pipe size from Ø 14 up to Ø 63

| CODE | JAWS | PRICE € | UNIT/BOX |
|-----------|--------------|----------|----------|
| 1695TM01V | no | 2.271,18 | 1/1 |
| 1695TM01S | 16 - 20 - 26 | 2.964,79 | 1/1 |



DESCRIPTION

The metallic box supplied with the crimp machine includes : rechargeable battery NiMh 12 Vdc/1,9 Ah, battery recharger, set of jaws Ø 16, Ø 20, Ø 26 (if expected)



ART. 1695TM02

MINI Battery crimping machine pipe size from Ø 14 up to Ø 32

| CODE | JAWS | PRICE € | UNIT/BOX |
|-----------|--------------|----------|----------|
| 1695TM02V | no | 2.336,83 | 1/1 |
| 1695TM02S | 16 - 20 - 26 | 2.994,55 | 1/1 |



DESCRIPTION

The metallic box supplied with the crimp machine includes : rechargeable battery NiMh 12 Vdc/1,9 Ah, battery recharger, set of jaws Ø 16, Ø 20, Ø 26 (if expected)



ART. 1695TM01A

230 Vac adaptor suitable for Tiemme crimping machine

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|-----------|--------------|---------|----------|
| 1695TM01A | 230 Vac | 612,65 | 1/1 |

The adaptor can be used when an electric socket is available
(the wire is 5 mt. long)



ART. 1695TM02A

230 Vac adaptor suitable for Tiemme crimping machine

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|-----------|--------------|---------|----------|
| 1695TM02A | 230 Vac | 612,65 | 1/1 |

The adaptor can be used when an electric socket is available
(the wire is 5 mt. long)



ART. 1695TM01B

NiMh Battery 12 Vdc / 2,0 Ah for crimping machine

| CODE | VOLTAGE | PRICE € | UNIT/BOX |
|-----------|-----------------|---------|----------|
| 1695TM01B | 12 Vdc / 2,0 Ah | 315,08 | 1/1 |



ART. 1695TM02B

NiMh Battery 12 Vdc / 1,9 Ah for MINI crimping machine

| CODE | VOLTAGE | PRICE € | UNIT/BOX |
|-----------|-----------------|---------|----------|
| 1695TM02B | 12 Vdc / 1,9 Ah | 284,45 | 1/1 |



ART. 1695TM01C

Battery charger for art. 1695TM01B

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|-----------|-----------------|---------|----------|
| 1695TM01C | 230 Vac /12 Vdc | 256,00 | 1/1 |



ART. 1695TM02C

Battery charger for art. 1695TM02B

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|-----------|-----------------|---------|----------|
| 1695TM02C | 230 Vac /12 Vdc | 175,04 | 1/1 |

ACCESSORIES



ART. 1681MINI

Pressing jaws - TH profile - branded TM for MINI crimping machine

| CODE | SIZE | PRICE € | UNIT/BOX |
|---------------|------|---------|----------|
| 1681G0014MINI | 14 | 212,24 | 1/1 |
| 1681G0016MINI | 16 | 212,24 | 1/1 |
| 1681G0018MINI | 18 | 212,24 | 1/1 |
| 1681G0020MINI | 20 | 218,37 | 1/1 |
| 1681G0025MINI | 25 | 227,12 | 1/1 |
| 1681G0026MINI | 26 | 227,12 | 1/1 |
| 1681G0032MINI | 32 | 230,18 | 1/1 |



ART. 1681

Pressing jaws - TH profile - branded TM

| CODE | SIZE | PRICE € | UNIT/BOX |
|-------------|------|----------|----------|
| 1681G0014 | 14 | 227,56 | 1/1 |
| 1681G0016 | 16 | 227,56 | 1/1 |
| 1681G0018 | 18 | 227,56 | 1/1 |
| 1681G0020 | 20 | 227,56 | 1/1 |
| 1681G0025 | 25 | 238,50 | 1/1 |
| 1681G0026 | 26 | 238,50 | 1/1 |
| 1681G0032 | 32 | 238,50 | 1/1 |
| 1681G0040 | 40 | 253,81 | 1/1 |
| 1681G0050 * | 50 | 1.378,46 | 1/1 |
| 1681G0063 * | 63 | 1.487,87 | 1/1 |

* 3 pieces pressing jaws



ART. 1685M

Manual crimping machine

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|-----------|---------|----------|
| 1685M0001 | Ø14 ÷ Ø26 | 688,71 | 1/1 |

Inserts not supplied with the machine



ART. 1685US

Insert for manual crimping machine - TH PROFILE

| CODE | SIZE | PRICE € | UNIT/BOX |
|------------|------|---------|----------|
| 1685US0014 | 14 | 105,03 | 1/1 |
| 1685US0016 | 16 | 105,03 | 1/1 |
| 1685US0018 | 18 | 105,03 | 1/1 |
| 1685US0020 | 20 | 105,03 | 1/1 |
| 1685US0025 | 25 | 105,03 | 1/1 |
| 1685US0026 | 26 | 105,03 | 1/1 |



ART. 4530

Pipe decoiler

| CODE | SIZE | PRICE € | UNIT/BOX |
|---------|------|---------|----------|
| 4530S01 | 50 | 674,39 | 1/1 |



ART. 1689

Straightening device

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|---------|---------|----------|
| 1689B1426 | 14 - 26 | 553,56 | 1/1 |



ART. 1689X

Adaptor to fix the pipe straightener onto the uncoiler

| CODE | SIZE | PRICE € | UNIT/BOX |
|-----------|------|---------|----------|
| 1689X4530 | | 63,97 | 1/1 |

ACCESSORIES



ART. 1497

Pipe bending spring with square section

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|-------------------------------|--------------|---------|----------|
| For inside of pipe L = 100 cm | | | |
| 1497A1014 | 14 | 18,74 | 1/125 |
| 1497A1216 | 16 | 18,74 | 1/100 |
| 1497A1418 | 18 | 18,74 | 1/100 |
| 1497A1620 | 20 | 18,74 | 1/80 |
| 1497A2026 | 25 - 26 | 18,74 | 1/80 |
| For outside of pipe L = 50 cm | | | |
| 1497A14EST | 14 | 18,74 | 1/60 |
| 1497A16EST | 16 | 18,74 | 1/60 |
| 1497A18EST | 18 | 18,74 | 1/60 |
| 1497A20EST | 20 | 18,74 | 1/60 |



ART. 1498SET

Plastic case with deburring tools set

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|-------------|-------------------|---------|----------|
| 1498SET1440 | 14 ÷ 40 | 717,48 | 1/1 |
| 1498SET1626 | 16 - 20 - 25 - 26 | 353,94 | 1/1 |

Complete of interchangeable "T" handle and deburring tools
Ø14x2,0 - Ø16x2,0 - Ø18x2,0 - Ø20x2,0 - Ø25x2,5 - Ø26x3,0
Ø32x3,0 - Ø40x3,5



ART. 1498US

Interchangeable deburring tools

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|--------------|---------------------|---------|----------|
| 1498US1420 | 14 x 2,0 | 68,27 | 1/1 |
| 1498US1620 | 16 x 2,0 | 69,20 | 1/1 |
| 1498US1820 | 18 x 2,0 | 72,67 | 1/1 |
| 1498US2020 | 20 x 2,0 | 76,38 | 1/1 |
| 1498US2630 | 25 x 2,5 - 26 x 3,0 | 81,93 | 1/1 |
| 1498US3230 | 32 x 3,0 | 103,37 | 1/1 |
| 1498US4035 | 40 x 3,5 | 122,67 | 1/1 |
| 1498US5040 * | 50 x 4,0 | 123,59 | 1/1 |
| 1498US6345 * | 63 x 4,5 | 135,85 | 1/1 |

To be used with art. 1498MT for manual operations or with drilling machine

* to be used with pipe wrench 10 hexagonal



ART. 1684

Pipe bending machine

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|-----------|--------------|---------|----------|
| 1684B1632 | 16 - 32 | 743,08 | 1/1 |



ART. 1498UM

Deburring tools with fixed "T" handle

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|------------|---------------------|---------|----------|
| 1498UM1620 | 16 x 2,0 | 85,16 | 1/1 |
| 1498UM1820 | 18 x 2,0 | 91,19 | 1/1 |
| 1498UM2020 | 20 x 2,0 | 92,11 | 1/1 |
| 1498UM2630 | 25 x 2,5 - 26 x 3,0 | 100,46 | 1/1 |
| 1498UM3230 | 32 x 3,0 | 121,75 | 1/1 |



ART. 1498MT

Interchangeable "T" handle

| CODE | POWER SUPPLY | PRICE € | UNIT/BOX |
|------------|--------------|---------|----------|
| 1498MT0001 | "T" | 71,75 | 1/1 |

