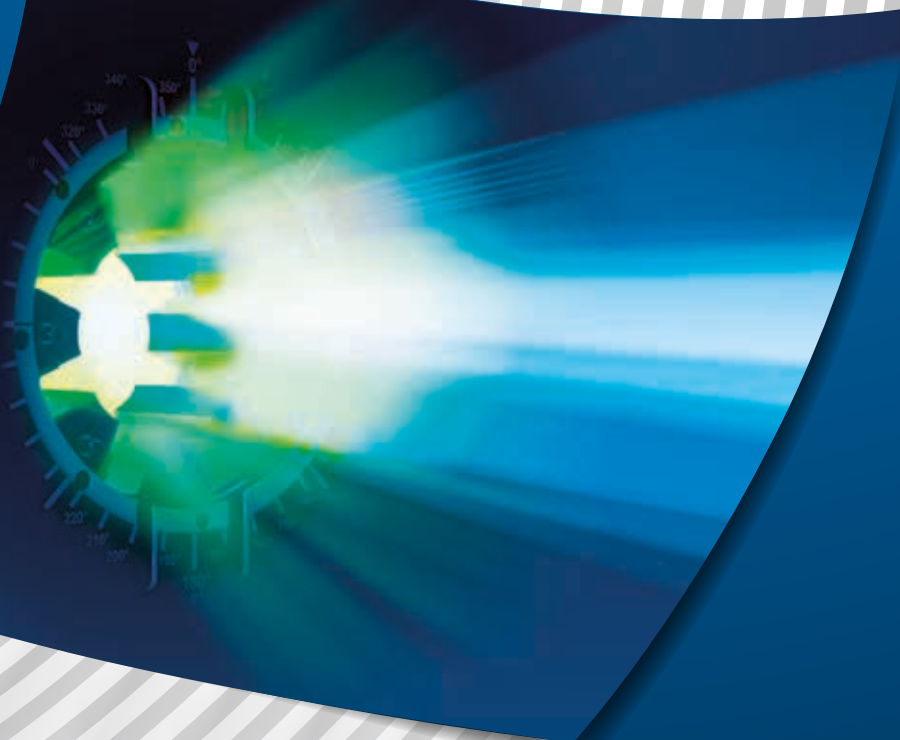




PEOPLE, PASSION
& **SOLUTIONS**


 OP USA INC.

ENJOY THE **DIFFERENCE**



Hydraulic Hose & Tubing Processing Equipment

GENERAL CATALOGUE

V. 2022-01-01  USA

ENJOY THE **DIFFERENCE**

People, passion and solutions are the strong features of O+P.















For more than 40 years we have been producing equipment for hydraulic pipelines, offering customized solutions gained from research, precision and quality.

Wideness of range, development and innovation make O+P a unique, young and dynamic brand.



















This is **Enjoy the difference.**

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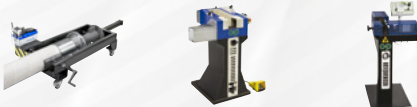
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POLO QUICK CONNECTORS
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ENJOY THE **DIFFERENCE**

Hose Assembly Equipment

Technology, innovation and evolution, the new **ES4 electronic control** installed on all our V-series crimping machines grants excellent performance and the highest precision during the whole working process by enabling the implementation of any required customization. A simple and intuitive software, supported by a new **touch screen colour display**, allows even less experienced operators to quickly learn how to use the machine after a few uses.

MAIN FEATURES

- Colour (16 million) 7" touch screen TFT display (resolution 800x480 pixel);
- 3 cycles: manual, semiautomatic and automatic;
- Settable crimping and opening diameter;
- Crimping diameter correction;
- Settable crimping time;
- Single/double cycle stroke counter;
- Metric/imperial (mm/inches) converter;
- Storage and recall of 1000 alphanumeric codes containing crimping parameters;
- USB for data storage from ES4 to PC and vice versa;
- Technical service warning for ordinary and extraordinary maintenance of the machine (set by O+P Srl);
- "Standby" energy saving mode;
- Crimping through pressure control - allows to set the crimping pressure;
- Quality check - The crimping process succeeds through a combined control of preset diameter and pressure parameters.



OPTIONAL



Crimping speed control system - designed to perform volume crimping of very high pressure hoses, where a very slow crimping speed is required in order to grant maximum hose safety and enhanced crimping results.



Multistep - possibility to set and store up to 25 steps with different crimping diameters.



BARCODE - creation and recall of previously entered recipes by matching them to a BARCODE. The BARCODE reader is provided with the kit.



CAMERA - installed on the rear side of the machine, it allows to visualize the whole processing phase through a TFT 8" monitor (provided with the kit) positioned on the front side of the machine. The CAMERA comes complete with LED light which enables a better lighting during the crimping process.



Connection from ES4 to PC through Ethernet LAN port - allows to display the ES4 panel of the machine on a PC for creating or editing recipes. The machine is controlled from a PC by means of software that must be installed (remote desktop, VNC, etc.): machine movements not allowed;



Industry 4.0 kit - which includes a switch for network connection (LAN, Wi-Fi or UMTS, depending on the option chosen), remote assistance, a digital caliper, with data transmission cable and a protocol (OPCUA) with 20 different crimping parameters, that can be imported into the user's system.



Data save kit - automatic recording of crimping history for export onto CSV file by USB connection.



Industrial Hose Crimp Calculator - the system automatically calculates the ideal crimping diameter. The operator only has to input a few simple parameters: hose ID and OD, hose compression factor, ferrule thickness.

ES3 ELECTRONIC CONTROL

HOSE PROCESSING EQUIPMENT

The ES3 electronic control ensures supreme and risk-free performance.

Even more technologically advanced and easy to use, the electronic control of our ES-series crimping machines grants excellent performance and the highest precision during the whole working process.

A simple and intuitive software, supported by a touch screen colour display, allows even less experienced operators to quickly learn how to use the machine after a few uses.

MAIN FEATURES

- 3 cycles: manual, semiautomatic and automatic;
- 5.7" touch screen display with 320x240 pixel resolution and 262.000 colours;
- Settable crimping diameter;
- Settable opening diameter;
- Crimping diameter correction;
- Settable crimping time;
- Storage and recall of 200 alphanumeric codes containing the crimping parameters;
- Total and partial stroke counter;
- Codes archive;
- Mm and inches version.



OPTIONAL



Crimping through pressure control - allows to set the crimping pressure.



Crimping speed control system - designed to perform volume crimping of very high pressure hoses, where a very slow crimping speed is required in order to grant maximum hose safety and enhanced crimping results.



USB port for pen drive connection for data storage from ES3 to PC. **Data transfer** through USB port (it enables data transfer through a standard USB flash drive from the memory of one ES3 electronic board to another, without any need to re-set them on a new crimping machine).



Quality check - The crimping process succeeds through a combined control of preset diameter and pressure parameters.



Multistep - possibility to set up to 5 different diameters.

The EL electromechanical control includes 2 new controllers which allow to set the crimping and reopening time, so as to optimize the production cycle. The crimping diameter is set by means of the vernier dial.



MAIN FEATURES

- On/off button;
- Emergency button;
- Close button;
- Open button;
- Reopening adjustment after crimping;
- Crimping time adjustment;
- LED engine overheated;
- LED limit-switch proximity damaged;
- LED diameter achieved.

PATENTED DIES QUICK CHANGE SYSTEM

HOSE PROCESSING EQUIPMENT

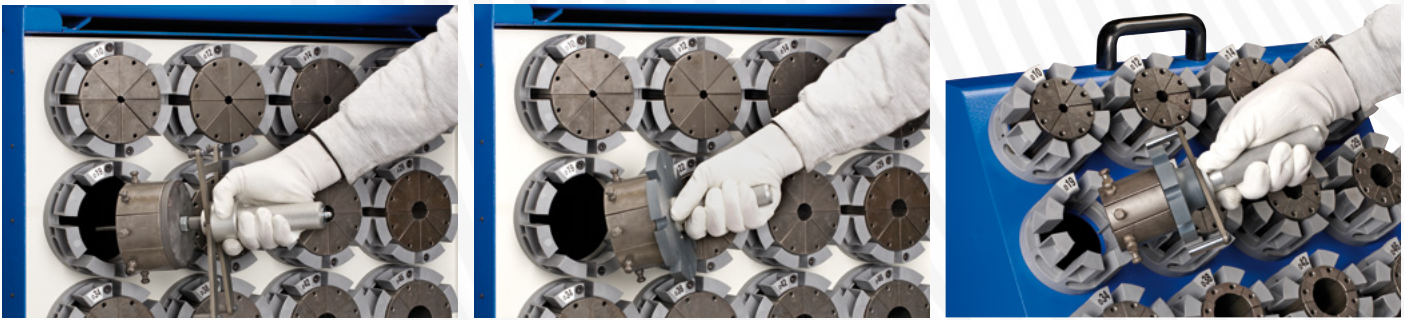
Hose crimpers use different sets of dies to process different hose diameters. Manual change may therefore result in a waste of valuable time for the operator.

The O+P quick change tool allows to replace the complete set of dies through a single and easy operation thus avoiding the removal of one die at a time.

The peculiarity of this patented system is represented by a centering guide which enables an accurate positioning of the dies into the crimping head.

Such method makes the operation extremely quicker and easier without any risk for the operator and the machine.

As a matter of fact, an incorrect positioning of the dies segments can damage the masterdies and the dies as well, causing an interruption of the working cycle and consequent high reparation costs.



CLEANING AND MAINTENANCE KIT

SPEND A LITTLE BIT MORE TODAY TO SAVE MUCH MORE IN THE FUTURE

The life of your crimping machine can now be extended thanks to the **Cleaning and Maintenance Kit** that O+P offers to the owners of our H144, H135, H130 crimpers. This simple and inexpensive system provides for the proper maintenance of the mechanical components and seals, granting a longer working life of the machine and helping to avoid the burdensome and expensive costs of an extraordinary maintenance. This unique product is characterized by both quick and easy use and ensures the perfect cleaning of the "crimping head" in less than 30 minutes, with no need for disassembly.

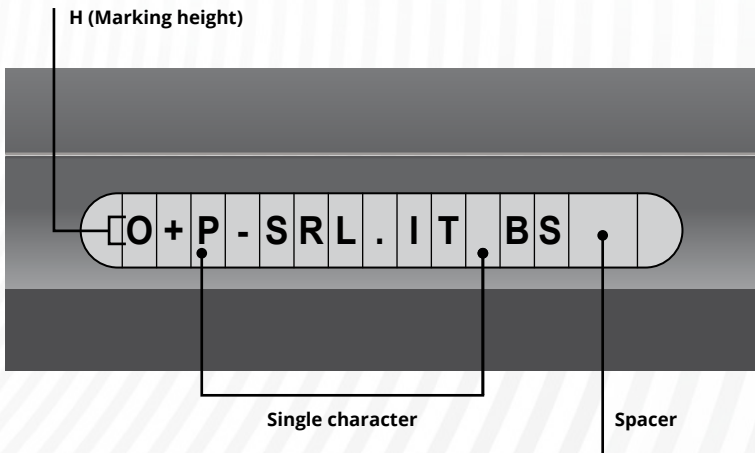
THE KIT COMES COMPLETE WITH:

- SOLVENT
- SPRAY GUN WITH RESERVOIR
- CONNECTION HOSE
- WEDGES
- TOOL



MARKING DIES

They allow the marking of the ferrule during the crimping operation.



EXAMPLES OF HOSE MARKING



It is possible to buy a single character or multiple spacers.

AVAILABLE DIAMETERS

- For H series crimping machines
 - Ø 12 - 14 mm H 1.5 mm
 - Ø 16 - 19 - 22 - 25 - 29 mm H 2 mm
 - Ø 34 - 38 - 42 - 46 - 50 - 54 - 58 - 63 - 69 - 73 mm H 3 mm
- For V series crimping machines
 - Ø 12 - 14 mm H 1.5 mm
 - Ø 16 - 19 - 22 - 25 - 29 mm H 2 mm
 - Ø 34 - 38 - 42 - 46 - 50 - 54 - 58 - 63 - 69 - 73 - 77 - 86 mm H 3 mm
- For crimping machine H170 and H144
 - Ø 103 - 106 - 111 - 116 - 121 - 131 mm H 4 mm
- For crimping machines V160 and V159
 - Ø 103 - 106 - 111 - 116 - 121 - 126 - 131 mm H 4 mm

SPECIAL DIES

Besides standard dies, O+P provides other types of dies such as:



INTERLOCK DIES Longer than the standard dies, suitable for crimping Interlock ferrules.



SPECIAL DIES Profiles and dimensions upon customer request.



TUBOMATIC V450 ES

Code: TUBV450H6ES - TUBV450H8ES

CRIMPING (HIGH VOLUME CRIMPING)

IDEAL FOR BIG FLANGES



MAIN FEATURES



ES4 touch-screen electronic control on mobile support



Self-lubricating moving components



Silent pump



Narrow crimping head for big flanges and 90° fittings



Back limit switch



Protractor for fittings orientation



Service counter



Industrial hose crimp calculator



Ideal for volume production

| TECHNICAL DATA | | |
|----------------------|------------------------|-----------------------|
| | TUBV450H6ES | TUBV450H8ES |
| CRIMPING FORCE | 725 US TONS | 914 US TONS |
| 6 SPIRALS 2 PIECES | 3" | 3" |
| INDUSTRIAL HOSE | 16" | 16" |
| MAX Ø | 450 mm (17.7") | 450 mm (17.7") |
| DIE OPENING | Ø+7" | Ø+7" |
| OPENING WITHOUT DIES | 21.7" | 21.7" |
| STANDARD VOLTAGE | Any 60Hz 3Ph | Any 60Hz 3Ph |
| MOTOR POWER | 7.5 Kw (10 Hp) A=14.39 | 11 Kw (15 Hp) A=20.76 |
| DIMENSIONS LxWxH | 86.1"x67.7"x72.9" | 86.1"x67.7"x72.9" |
| WEIGHT WITHOUT OIL | 13646 Lbs | 14341 Lbs |
| OIL (NOT INCLUDED) | 300 lt (79 US gal) | 300 lt (79 US gal) |
| POWER PACK LxWxH | 36.4"x26.7"x49.9" | 36.4"x26.7"x49.9" |
| POWER PACK WEIGHT | 485 Lbs | 485 Lbs |

| ACCESSORIES | |
|--|-----------------------------------|
| CRIMPING THROUGH PRESSURE CONTROL (INCLUDED) | INDUSTRY 4.0 KIT |
| CRIMPING SPEED CONTROL SYSTEM | CRIMPING DIAMETER SELF CORRECTION |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL (INCLUDED) | DATA SAVE ON CSV FILE |
| MULTISTEP CRIMPING DIAMETERS | |
| BARCODE | |
| CAMERA | |
| CONNECTION TO PC | |
| DISPENSER + STANDARD QUICK CHANGE | |
| ELECTRIC PEDAL | |
| FRONT AND REAR PROTECTION NET WITH ACTIVATION LIMIT SWITCH | |
| SIDE HOLDER TABLE | |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 63 | 69 | 73 | 77 | 86 | 96 | 103 | 106 | 111 | 116 | 121 | 126 | 131 | 136 | 146 | 156 | 166 | 178 | 190 | 205 | 220 | 235 | 250 | 270 | 290 | 350 | |
|-----------------|------------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | DIES LENGTH (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TUBV450H6ES | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | |
| TUBV450H8ES | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 | 145 |

* SPECIAL DIES BETWEEN Ø 290 AND 350 MM UPON REQUEST
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.

TUBOMATIC V159 ES

Code: TUBV159ES

CRIMPING (HIGH VOLUME CRIMPING)



TUBOMATIC V150 ES

Code: TUBV150ES

CRIMPING (HIGH VOLUME CRIMPING)



MAIN FEATURES



ES4 touch-screen electronic control



Self-lubricating moving components



Silent pump



6 o'clock die in fixed position for a better stability of the hose



Narrow crimping head for big flanges and 90° fittings



Back limit switch



Protractor for fittings orientation



Service counter



Ideal for volume production

V159 ES

| TECHNICAL DATA | | |
|----------------------|---------------------------|---------------------------|
| | V159 ES | V150 ES |
| CRIMPING FORCE | 330 US TONS | 340 US TONS |
| 6 SPIRALS 2 PIECES | 2" 1/2 | 2" 1/2 |
| INDUSTRIAL HOSE | 6" * | 4" |
| MAX Ø | 159 mm (6.2") | 118 mm (4.6") |
| CRIMPING/HOUR | 2400 ■ | 1365 ■ |
| CLOSING SPEED | 0.8"/sec | 0.4"/sec |
| CRIMPING SPEED | 0.09"/sec | 0.08"/sec |
| OPENING SPEED | 0.9"/sec | 1.3"/sec |
| DIE OPENING | Ø + 2.7" | Ø + 2.7" |
| OPENING WITHOUT DIES | 8.8" | 7.3" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH |
| MOTOR POWER | 5.5 Kw (7.5 Hp) - A=10.64 | 5.5 Kw (7.5 Hp) - A=10.64 |
| DIMENSIONS LxWxH | 39.3"x45.6"x63.6" | 36.2"x28.7"x63.1" |
| WEIGHT WITHOUT OIL | 3395 Lbs | 2707 Lbs |
| OIL (NOT INCLUDED) | 185 Lt. (48 US gal) | 167 Lt. (44 US gal) |
| POWER PACK LxWxH | - | 34" x 28.9" x 45.6" |
| POWER PACK WEIGHT | - | 646 Lbs |
| BACK MIRROR | INCLUDED | INCLUDED |

| ACCESSORIES | | | |
|--|-----------------------------------|---------|---------|
| CRIMPING THROUGH PRESSURE CONTROL (INCLUDED) | INDUSTRY 4.0 KIT | | |
| CRIMPING SPEED CONTROL SYSTEM | CRIMPING DIAMETER SELF CORRECTION | | |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL (INCLUDED) | DATA SAVE ON CSV FILE | | |
| MULTISTEP CRIMPING DIAMETERS | | | |
| | | V159 ES | V150 ES |
| BARCODE | | ■ | ■ |
| CAMERA | | ■ | ■ |
| CONNECTION TO PC | | ■ | ■ |
| ELECTRIC PEDAL | | ■ | ■ |
| SIDE HOLDER TABLE | | ■ | ■ |
| FRONT AND REAR PROTECTION NET WITH ACTIVATION LIMIT SWITCH | | ■ | ■ |
| DISPENSER + PATENTED QUICK CHANGE | | | |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 63 | 69 | 73 | 77 | 86 | 96 | 103 | 106 | 111 | 116 | 121 | 126 | 131 |
|-----------------|------------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | DIES LENGTH (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V159 ES | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| V150 ES | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | - | - | - | - | - | - | - |

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE *WITH SPECIAL DIES
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC V59 ES

Code: TUBV59ES

CRIMPING (HIGH VOLUME CRIMPING)



MAIN FEATURES



ES4 touch-screen electronic control



Self-lubricating moving components



Silent pump



6 o'clock die in fixed position for a better stability of the hose



Narrow crimping head for big flanges and 90° fittings



Back limit switch



Protractor for fittings orientation



Service counter



Ideal for volume production

| TECHNICAL DATA | |
|----------------------|----------------------------|
| CRIMPING FORCE | 155 US TONS |
| 6 SPIRALS 2 PIECES | 1" |
| 4 SPIRALS 2 PIECES | 1" 1/4 |
| 2 BRAIDS 2 PIECES | 1" 1/2* |
| MAX Ø | 67 mm (2.6") [♦] |
| CRIMPING / HOUR | 3900 [■] |
| CLOSING SPEED | 0.4"/sec |
| CRIMPING SPEED | 0.2"/sec |
| OPENING SPEED | 0.4"/sec |
| DIE OPENING | Ø + 1.9" |
| OPENING WITHOUT DIES | 4.6" |
| STANDARD VOLTAGE | Any 60HZ 3PH |
| MOTOR POWER | 5,5 Kw (7.5 Hp) - A= 10.64 |
| DIMENSIONS LxWxH | 25.9"x28.3"x58.6" |
| WEIGHT WITHOUT OIL | 1199 Lbs |
| OIL (NOT INCLUDED) | 70 Lt. (18 US gal) |
| BACK MIRROR | INCLUDED |

| ACCESSORIES | |
|--|-----------------------------------|
| CRIMPING THROUGH PRESSURE CONTROL (INCLUDED) | INDUSTRY 4.0 KIT |
| CRIMPING SPEED CONTROL SYSTEM | CRIMPING DIAMETER SELF CORRECTION |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL (INCLUDED) | DATA SAVE ON CSV FILE |
| MULTISTEP CRIMPING DIAMETERS | |
| BARCODE | |
| CAMERA | |
| CONNECTION TO PC | |
| ELECTRIC PEDAL | |
| SIDE HOLDER TABLE | |
| FRONT AND REAR PROTECTION NET WITH ACTIVATION LIMIT SWITCH | |
| DISPENSER + QUICK CHANGE | |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 |
|-----------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|
| | DIES LENGTH (mm) | | | | | | | | | | | |
| V59 ES | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ♦ WITH SPECIAL DIES Ø 54 MM UPON REQUEST - * WITH SPECIAL DIES
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.

TUBOMATIC N120 ES

Code: **TUBN120ES**

CRIMPING (HIGH VOLUME CRIMPING)



TUBOMATIC N120 EL

Code: **TUBN120EL**

CRIMPING (HIGH VOLUME CRIMPING)



IDEAL FOR NUTS AND
HIGH/LOW PRESSURE CABLES

MAIN FEATURES



ES4 touch-screen
electronic control

N120 ES



Silent pump



Electro-mechanical control

N120 EL



Vernier dial

N120 EL



Service counter



Vertical working position



Ideal for
volume production

| TECHNICAL DATA | | |
|--------------------|-------------------|-------------------|
| | N120 ES | N120 EL |
| CRIMPING FORCE | 90 US TONS | 90 US TONS |
| MAX Ø | 120 mm (4.7") ♦ | 120 mm (4.7") ♦ |
| CRIMPING/HOUR | 2500 ■ | 2500 ■ |
| DIE OPENING | Ø + 0.9" | Ø + 0.9" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH |
| MOTOR POWER | 4 Kw (5.5 Hp) | 4 Kw (5.5 Hp) |
| DIMENSIONS LWxH | 42.5"x31.8"x50.7" | 42.5"x31.8"x50.7" |
| CLOSING SPEED | 0.3"/sec | 0.3"/sec |
| CRIMPING SPEED | 0.1"/sec | 0.1"/sec |
| OPENING SPEED | 3.6"/sec | 3.6"/sec |
| WEIGHT WITHOUT OIL | 1003 Lbs | 1003 Lbs |
| OIL (NOT INCLUDED) | 65 lt (17 US gal) | 65 lt (17 US gal) |

| ACCESSORIES N120ES | | | |
|--|-----------------------------------|---------|---------|
| CRIMPING THROUGH PRESSURE CONTROL (INCLUDED) | INDUSTRY 4.0 KIT | | |
| CRIMPING SPEED CONTROL SYSTEM | CRIMPING DIAMETER SELF CORRECTION | | |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL (INCLUDED) | DATA SAVE ON CSV FILE | | |
| MULTISTEP CRIMPING DIAMETERS | | | |
| | | N120 ES | N120 EL |
| BARCODE | | ■ | - |
| CAMERA | | ■ | - |
| CONNECTION TO PC | | ■ | - |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | ■ |
| AUTOMATIC LUBRICATING SYSTEM | | ■ | ■ |
| ELECTRIC PEDAL | | | |

N120 ES - N120 EL

CRIMPING DIES: PLEASE CONTACT OUR SALES DEPARTMENT

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ♦ WITH SPECIAL DIES Ø 104 MM UPON REQUEST
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC S77 ES

Code: TUBS77ES

CRIMPING (HIGH VOLUME CRIMPING)



PROVIDED WITH WIDE FRONTAL RIFT, IDEAL FOR COMBINED FLEXIBLE HOSES, HOSES WITH TIGHT BENDS, LOW PRESSURE, BRAKE AND TEXTILE HOSES

TUBOMATIC S33 PI

Code: TUBS33PI

CRIMPING (HIGH VOLUME CRIMPING)



DIES



HOSE CRIMPING SAMPLE

MAIN FEATURES



ES4 touch-screen electronic control

S77 ES



Self-lubricating moving components

S77 ES



Silent pump

S77 ES



6 o'clock die in fixed position for a better stability of the hose

S77 ES



Narrow crimping head for big flanges and 90° fittings

S77 ES



Service counter

S77 ES



Pneumatic input

S33 PI



Wide lateral opening

S33 PI



Ideal for the automotive industry

S33 PI



Ideal for volume production

S33 PI

| TECHNICAL DATA | | |
|-----------------------|---------------------------|-------------------|
| | S77 ES | S33 PI |
| CRIMPING FORCE | 49 US TONS | - |
| CRIMPING FORCE (6bar) | - | 10 US TONS |
| CRIMPING FORCE (9bar) | - | 15 US TONS |
| HOSE | - | 5/8" |
| MAX Ø | 95 mm (3.7") [♦] | 37 mm (1.4") |
| MACHINE EXTRA STROKE | Ø + 3.7" | Ø + 1.9" |
| CLOSING SPEED | 0.9"/sec | 1.1"/sec |
| CRIMPING SPEED | 0.1"/sec | 3.9"/sec |
| OPENING SPEED | 1.2"/sec | 1.9"/sec |
| CLOSING TIME | - | 1.7 sec |
| CRIMPING TIME | - | 1.4 sec |
| CRIMPING/HOUR | 2430 [■] | - |
| CYCLE TIME | - | 4.1 sec |
| DIE OPENING | Ø + 1.6" | Ø + 0.4" |
| FRONTAL OPENING | 3.1" | 1.4" |
| AIR SUPPLY | - | 9 bar max |
| STANDARD VOLTAGE | Any 60HZ 3PH | - |
| MOTOR POWER | 2.2 Kw (3 Hp) | - |
| DIMENSIONS LxWxH | 43.3"x35.4"x84.4" | 24.6"x14.1"x41.3" |
| WEIGHT WITHOUT OIL | 2425 Lbs | 364 Lbs |
| OIL (NOT INCLUDED) | 100 Lt. (26 US gal) | - |
| CYLINDER | - | DOUBLE EFFECT |

| ACCESSORIES S77 ES | | | |
|--|-----------------------------------|--------|--------|
| | | S77 ES | S33 PI |
| CRIMPING THROUGH PRESSURE CONTROL (INCLUDED) | INDUSTRY 4.0 KIT | | |
| CRIMPING SPEED CONTROL SYSTEM | CRIMPING DIAMETER SELF CORRECTION | | |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL (INCLUDED) | DATA SAVE ON CSV FILE | | |
| MULTISTEP CRIMPING DIAMETERS | | | |
| BARCODE | | ■ | - |
| CAMERA | | ■ | - |
| CONNECTION TO PC | | ■ | - |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | - |
| SIDE HOLDER TABLE | | ■ | - |
| ELECTRIC PEDAL | | ■ | ■ |

| Diameter (mm)▶ | 10 | 12 | 14 | 16 | 16.3 | 18 | 19 | 19.8 | 22 | 25 | 25,5 | 29 | 34 | 38 | 42 | 46 |
|----------------|-------------------------|----|----|----|------|----|----|------|----|----|------|----|----|----|----|----|
| | DIES LENGTH (mm) | | | | | | | | | | | | | | | |
| S77 ES | 85 | 85 | 85 | 85 | - | - | 85 | - | 85 | 85 | - | 85 | 85 | 85 | 85 | 85 |
| S33 PI | - | - | 26 | - | 26 | 26 | - | 26 | 26 | - | 26 | - | - | - | - | - |

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ♦ WITH SPECIAL DIES Ø 54 MM UPON REQUEST
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.

TUBOMATIC H170 ES

Code: **TUBH170ES**

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H170 EL

Code: **TUBH170EL**

CRIMPING (STANDARD VOLUME CRIMPING)



MAIN FEATURES



H170 ES

H170 ES

H170 EL

H170 ES

H170 EL

H170 EL

TECHNICAL DATA

| | H170 ES | H170 EL |
|---|-------------------------|-------------------------|
| CRIMPING FORCE | 308 US TONS | 308 US TONS |
| 6 SPIRALS 2 PIECES | 1" 1/2 | 1" 1/2 |
| 4 SH 2 PIECES | 2" | 2" |
| INDUSTRIAL HOSE | 4" | 4" |
| MAX Ø | 170 mm (6.7") ♦ | 170 mm (6.7") ♦ |
| CRIMPING / HOUR | 865 ■ | 865 ■ |
| DIE OPENING | Ø + 2.4" | Ø + 2.4" |
| 90° FITTINGS | 2" | 2" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH |
| MOTOR POWER | 5.5 Kw (7 Hp) - A 10.74 | 5.5 Kw (7 Hp) - A 10.74 |
| DIMENSIONS LxWxH | 32.2"x31.9"x32.9" | 32.2"x25.9"x32.9" |
| WEIGHT WITHOUT OIL | 1102 Lbs | 1102 Lbs |
| OIL (NOT INCLUDED) | 110 Lt. (29 US gal) | 110 Lt. (29 US gal) |
| SETTABLE RE-OPENING TIME AFTER CRIMPING | - | ■ |
| SETTABLE CRIMPING TIME | - | ■ |

ACCESSORIES

| | | H170 ES | H170 EL |
|---|--|---------|---------|
| PRESSURE CONTROL SYSTEM KIT | | ■ | - |
| USB KIT | | ■ | - |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL | | ■ | - |
| MULTISTEP CRIMPING DIAMETERS | | ■ | - |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | ■ |
| BASE | | ■ | ■ |
| BACK MIRROR | | ■ | ■ |
| CLEANING AND MAINTENANCE KIT | | ■ | ■ |
| ELECTRIC PEDAL | | ■ | ■ |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 63 | 69 | 73 | 77 | 86 | 90 | 96 | 103 | 106 | 111 | 116 | 121 | 126 | 131 | |
|-----------------|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| H170 ES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H170 EL | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 95 | 95 | 95 | 95 | 100 | 100 | 100 | 120 | 120 | 150 | 120 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | |
| | DIES LENGTH (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

♦ WITH SPECIAL DIES Ø 131 MM UPON REQUEST

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC H144 ES

Code: TUBH144ES

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H144 EL

Code: TUBH144EL

CRIMPING (STANDARD VOLUME CRIMPING)



MAIN FEATURES



Ideal for any type of fitting



ES3 touch-screen electronic control

H144 ES



Industrial hose crimp calculator

H144 ES



Warning LED

H144 EL



Back limit switch

H144 ES



Vernier dial

H144 EL



Electro-mechanical control

H144 EL



Ideal for your workshop

| TECHNICAL DATA | | |
|---|----------------------------|----------------------------|
| | H144 ES | H144 EL |
| CRIMPING FORCE | 440 US TONS | 440 US TONS |
| 6 SPIRALS 2 PIECES | 2" 1/2 | 2" 1/2 |
| INDUSTRIAL HOSE | 4" | 4" |
| MAX Ø | 144 mm (5.6") | 144 mm (5.6") |
| CRIMPING / HOUR | 703 [■] | 703 [■] |
| DIE OPENING | Ø + 1.7" | Ø + 1.7" |
| 90° FITTINGS | 2" | 2" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH |
| MOTOR POWER | 5.5 Kw (7.5 Hp) - A= 10,74 | 5.5 Kw (7.5 Hp) - A= 10,74 |
| DIMENSIONS LxWxH | 33"x30.3"x33.6" | 33"x25.9"x33.6" |
| WEIGHT WITHOUT OIL | 1213 Lbs | 1210 Lbs |
| OIL (NOT INCLUDED) | 110 Lt. (29 US gal) | 110 Lt. (29 US gal) |
| SETTABLE RE-OPENING TIME AFTER CRIMPING | - | ■ |
| SETTABLE CRIMPING TIME | - | ■ |

| ACCESSORIES | | | |
|---|--|---------|---------|
| | | H144 ES | H144 EL |
| PRESSURE CONTROL SYSTEM KIT | | ■ | - |
| USB KIT | | ■ | - |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL | | ■ | - |
| MULTISTEP CRIMPING DIAMETERS | | ■ | - |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | ■ |
| BASE | | ■ | ■ |
| BACK MIRROR | | ■ | ■ |
| CLEANING AND MAINTENANCE KIT | | ■ | ■ |
| ELECTRIC PEDAL | | | |

| Diameter (mm) | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 63 | 69 | 73 | 77 | 86 | 90 | 96 | 103 | 106 | 111 | 116 | 121 | 126 | 131 |
|---------------|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | DIES LENGTH (mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H144 ES | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 95 | 95 | 95 | 95 | 100 | 100 | 100 | 120 | 120 | 150 | 120 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| H144 EL | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 95 | 95 | 95 | 95 | 100 | 100 | 100 | 120 | 120 | 150 | 120 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC H135 ES

Code: TUBH135ES

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H135 EL

Code: TUBH135EL

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H135/E EL

Code: TUBH135/EEL

CRIMPING (STANDARD VOLUME CRIMPING)



MAIN FEATURES



Ideal for any type of fitting



ES3 touch-screen electronic control

H135 ES



Back limit switch

H135 ES



Electro-mechanical control

H135 EL
H135/E EL



Warning LED

H135 EL



Vernier dial

H135 EL
H135/E EL



Ideal for your workshop

| TECHNICAL DATA | | | |
|---|----------------------------|----------------------------|----------------------------|
| | H135 ES | H135 EL | H135/E EL |
| CRIMPING FORCE | 345 US TONS | 345 US TONS | 330 US TONS |
| 6 SPIRALS 2 PIECES | 2" | 2" | 2" |
| INDUSTRIAL HOSE | 3" | 3" | 3" |
| MAX Ø | 135 mm (5.3") [♦] | 120 mm (4.7") [♦] | 111 mm (4.3") [♦] |
| CRIMPING / HOUR | 865 [■] | 865 [■] | 271 [■] |
| DIE OPENING | Ø + 1.6" | Ø + 1.6" | Ø + 1.6" |
| 90° FITTINGS | 2" | 2" | 2" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH | 230V 60HZ 1PH |
| MOTOR POWER | 5.5 Kw (7.5 Hp) - A= 10.64 | 5.5 Kw (7.5 Hp) - A= 10.64 | 4 Kw (5.5 Hp) |
| DIMENSIONS LxWxH | 32.2"x29.5"x32.2" | 32.2"x25.9"x32.2" | 30.7"x24.8"x28" |
| WEIGHT WITHOUT OIL | 1047 Lbs | 1036 Lbs | 704 Lbs |
| OIL (NOT INCLUDED) | 110 Lt. (29 US gal) | 110 Lt. (29 US gal) | 55 Lt. (14 US gal) |
| SETTABLE RE-OPENING TIME AFTER CRIMPING | - | ■ | - |
| SETTABLE CRIMPING TIME | - | ■ | - |

| ACCESSORIES | | | | |
|---|--|---------|---------|-----------|
| | | H135 ES | H135 EL | H135/E EL |
| PRESSURE CONTROL SYSTEM KIT | | ■ | - | - |
| USB KIT | | ■ | - | - |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL | | ■ | - | - |
| MULTISTEP CRIMPING DIAMETERS | | ■ | - | - |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | ■ | ■ |
| BASE | | ■ | ■ | ■ |
| BACK MIRROR | | ■ | ■ | - |
| CLEANING AND MAINTENANCE KIT | | ■ | ■ | ■ |
| ELECTRIC PEDAL | | ■ | ■ | ■ |

| Diameter (mm) | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 63 | 69 | 73 |
|--------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|
| H135 ES - H135 EL H135/E EL | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 95 | 95 | 95 | 95 | 100 | 100 | 100 |

♦ WITH SPECIAL DIES Ø 104 MM UPON REQUEST ■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC H130 ES

Code: **TUBH130ES**

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H130 EL

Code: **TUBH130EL**

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H130/E EL

Code: **TUBH130/EEL**

CRIMPING (STANDARD VOLUME CRIMPING)



MAIN FEATURES



Ideal for any type of fitting



ES3 touch-screen electronic control

H130 ES



Back limit switch

H130 ES



Electro-mechanical control

H130 EL
H130/E EL



Warning LED

H130 EL



Vernier dial

H130 EL
H130/E EL



Ideal for your workshop

| TECHNICAL DATA | | | |
|---|--------------------|--------------------|-------------------|
| | H130 ES | H130 EL | H130/E EL |
| CRIMPING FORCE | 210 US TONS | 210 US TONS | 275 US TONS |
| 6 SPIRALS 2 PIECES | 1" 1/4 | 1" 1/4 | 1" 1/4 |
| 4 SP 2 PIECES | 2" | 2" | 2" |
| INDUSTRIAL HOSE | 3" | 3" | 3" |
| MAX Ø | 130 mm (5.1") ♦ | 124 mm (4.9") ♦ | 111 mm (4.3") ♦ |
| CRIMPING / HOUR | 780 ■ | 780 ■ | 246 ■ |
| DIE OPENING | Ø + 1.3" | Ø + 1.3" | Ø + 1.3" |
| 90° FITTINGS | 2" | 2" | 2" |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH |
| MOTOR POWER | 4 Kw (5.5 Hp) | 4 Kw (5.5 Hp) | 2.2 Kw (2.9 Hp) |
| DIMENSIONS LxWxH | 29.9"x27.1"x28.7" | 29.9"x26.5"x28.1" | 26.2"x23.1"x26" |
| WEIGHT WITHOUT OIL | 650 Lbs | 650 Lbs | 454 Lbs |
| OIL (NOT INCLUDED) | 65 Lt. (17 US gal) | 65 Lt. (17 US gal) | 22 Lt. (6 US gal) |
| SETTABLE RE-OPENING TIME AFTER CRIMPING | - | ■ | - |
| SETTABLE CRIMPING TIME | - | ■ | - |

| ACCESSORIES | | | | |
|---|--|---------|---------|-----------|
| | | H130 ES | H130 EL | H130/E EL |
| PRESSURE CONTROL SYSTEM KIT | | ■ | - | - |
| USB KIT | | ■ | - | - |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL | | ■ | - | - |
| MULTISTEP CRIMPING DIAMETERS | | ■ | - | - |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | ■ | ■ |
| BASE | | ■ | ■ | ■ |
| BACK MIRROR | | ■ | ■ | - |
| CLEANING AND MAINTENANCE KIT | | ■ | ■ | ■ |
| ELECTRIC PEDAL | | ■ | ■ | ■ |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 63 | 69 | 73 |
|----------------------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|
| H130 ES | DIES LENGTH (mm) | | | | | | | | | | | | | | | | | |
| H130 EL - H130/E EL | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 95 | 95 | 95 | 95 | 100 | 100 | 100 |

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ♦ WITH SPECIAL DIES Ø 104 MM UPON REQUEST
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.

TUBOMATIC H88 ES

Code: **TUBH88ES**

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H88 EL

Code: **TUBH88EL**

CRIMPING (STANDARD VOLUME CRIMPING)











ALSO AVAILABLE WITH
PORTABLE DIES HOLDER



MAIN FEATURES - CARATTERISTICHE PRINCIPALI

| | | | | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| Ideal for any type of fitting | ES3 touch-screen electronic control | Back limit switch | Electro-mechanical control | Warning LED | Vernier dial | Ideal for your workshop |
| H88 ES | H88 ES | H88 ES | H88 EL | H88 EL | H88 EL | |

| TECHNICAL DATA | | |
|---|---------------------------|---------------------------|
| | H88 ES | H88 EL |
| CRIMPING FORCE | 150 US TONS | 150 US TONS |
| 6 SPIRALS 2 PIECES | 1" | 1" |
| 4 SP 2 PIECES | 1" 1/2 [•] | 1" 1/2 [•] |
| 4 SH 2 PIECES | 1" 1/4 | 1" 1/4 |
| MAX Ø | 88 mm (3.4") [♦] | 64 mm (2.5") [♦] |
| CRIMPING/HOUR | 680 [■] | 680 [■] |
| DIE OPENING | Ø + 1.8" | Ø + 1.8" |
| 90° FITTINGS | 1" 1/4 | 1" 1/4 |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH |
| MOTOR POWER | 4 Kw (5 Hp) | 4 Kw (5 Hp) |
| DIMENSIONS LxWxH | 27.5"x24.2"x25.1" | 27.5"x26.5"x25.1" |
| WEIGHT WITHOUT OIL | 386 Lbs | 381 Lbs |
| OIL (NOT INCLUDED) | 70 Lt. (18 US gal) | 70 Lt. (18 US gal) |
| SETTABLE RE-OPENING TIME AFTER CRIMPING | - | ■ |
| SETTABLE CRIMPING TIME | - | ■ |

| ACCESSORIES | | | |
|---|---|---|---|
| | | H88 ES | H88 EL |
| PRESSURE CONTROL SYSTEM KIT |  | ■ | - |
| USB KIT |  | ■ | - |
| QUALITY CHECK: PRESSURE AND DIAMETER COMBINED CONTROL |  | ■ | - |
| MULTISTEP CRIMPING DIAMETERS |  | ■ | - |
| DISPENSER + PATENTED QUICK CHANGE |  | ■ | ■ |
| ELECTRIC PEDAL | |  |  |
| BASE |  | ■ | ■ |
| BACK MIRROR |  | ■ | ■ |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 |
|-----------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|
| H88 ES | DIES LENGTH (mm) | | | | | | | | | | | |
| H88 EL | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 85 |

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ♦ WITH SPECIAL DIES Ø 54 MM UPON REQUEST - - WITH SPECIAL DIES
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC H83/E EL

Code: TUBH83/EEL

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H83/E PM

Code: TUBH83/EPM

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H83/E PI

Code: TUBH83/EPI

CRIMPING (STANDARD VOLUME CRIMPING)



MAIN FEATURES



Ideal for any type of fitting



Electro-mechanical control



Vernier dial



Manual pump



Pneumo-hydraulic pump



Ideal for your workshop

H83/E EL

H83/E EL

H83/E PM

H83/E PI

TECHNICAL DATA

| | H83/E EL | H83/E PM | H83/E PI |
|------------------------------|-----------------------------------|------------------------------|--------------------------------|
| CRIMPING FORCE | 150 US TONS | 150 US TONS | 150 US TONS |
| 6 SPIRALS 2 PIECES | 1" | 1" | 1" |
| 4 SP 2 PIECES | 1" 1/2* | 1" 1/2* | 1" 1/2* |
| 4 SH 2 PIECES | 1" 1/4 | 1" 1/4 | 1" 1/4 |
| MAX Ø | 64 mm (2.5") [†] | 64 mm (2.5") [†] | 64 mm (2.5") [†] |
| DIE OPENING | Ø + 1.6" | Ø + 1.6" | Ø + 1.6" |
| 90° FITTINGS | 1" 1/4* | 1" 1/4* | 1" 1/4* |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | - | - |
| MOTOR POWER | 3 Kw (4 Hp) | - | - |
| DIMENSIONS LxWxH | 23.2"x23.2"x21.2" | 23.6"x17.5"x18.7" | 18.7"x18.7"x22" |
| WEIGHT WITHOUT OIL | 264 Lbs | 187 Lbs | 180 Lbs |
| REQUIRED EFFORT ON THE LEVER | - | 44 Lbs | - |
| CYLINDER | SINGLE EFFECT | SINGLE EFFECT | SINGLE EFFECT |
| OIL | 30 Lt. (8 US gal) not included | 5 Lt. (1 US gal) included | 3 Lt. (0.8 US gal) included |

ACCESSORIES

| | | H83/E EL | H83/E PM | H83/E PI |
|--|--|----------|----------|----------|
| PORTABLE DISPENSER + PATENTED QUICK CHANGE | | ■ | ■ | ■ |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | - | - |
| BASE | | ■ | - | - |
| ELECTRIC PEDAL | | ■ | - | - |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 |
|---------------------------------|------------------|----|----|----|----|----|----|----|----|----|----|----|
| H83/E EL H83/E PM - H83/E PI | DIES LENGTH (mm) | | | | | | | | | | | |
| | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 85 |

* WITH SPECIAL DIES Ø 54 MM UPON REQUEST - † WITH SPECIAL DIES
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

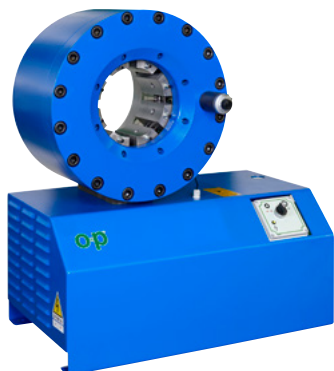
Product specifications could be modified without prior notice.



TUBOMATIC H135 24V/12V

Code: TUBH13524V / TUBH13512V

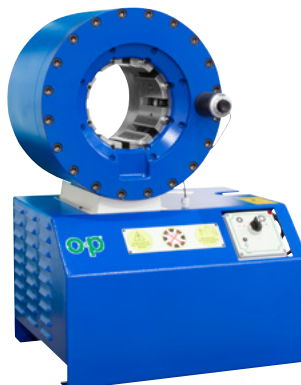
CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H130 24V/12V

Code: TUBH13024V / TUBH13012V

CRIMPING (STANDARD VOLUME CRIMPING)



TUBOMATIC H83/E 12V

Code: TUBH83/E12V

CRIMPING (STANDARD VOLUME CRIMPING)



MAIN FEATURES



Ideal for any type of fitting



24V - 12V



Back limit switch



LED indicating when the set crimping diameter is reached



Vernier dial



Electro-mechanical control



Ideal for on-site service

H135 24V
H130 12V

H135 24V

TECHNICAL DATA - DATI TECNICI

| | H135 12V/24V | H130 12V/24V | H83/E 12V |
|--------------------|--|--|---------------------------|
| CRIMPING FORCE | 347 US TONS | 280 US TONS | 150 US TONS |
| 6 SPIRALS 2 PIECES | 2" | 1" 1/4 | 1" |
| 4 SP 2 PIECES | - | 2" | 1" 1/2* |
| 4 SH 2 PIECES | - | - | 1" 1/4 |
| INDUSTRIAL HOSE | 3" | 3" | - |
| MAX Ø | 111 mm (4.3") [†] | 113 mm (4.4") [†] | 64 mm (2.5") [†] |
| DIE OPENING | Ø + 1.6" | Ø + 1.3" | Ø + 1.6" |
| 90° FITTINGS | 2" | 2" | 1" 1/4* |
| STANDARD VOLTAGE | 24V / 12V D.C. | 12V / 24V D.C. | 12V D.C. |
| MOTOR POWER | 2,5 kw (3.4 Hp) (12V) 4 kw (5.3 Hp) (24V) | 1.6 Kw (2.1 Hp) | 2.1 Kw (2.82 Hp) |
| DIMENSIONS LxWxH | 26.4"x16.6"x30" | 20.6"x17.2"x27.8" (12V) 26.5"x17.2"x27.8" (24V) | 22.6"x20.9"x17.7" |
| WEIGHT WITHOUT OIL | 639 Lbs | 434 Lbs (12V) 485 Lbs (24V) | 202 Lbs |
| OIL (NOT INCLUDED) | 10 Lt. (2.5 US gal) | 10 Lt. (2.5 US gal) | 8.5 Lt. (2 US gal) |
| CYLINDER | - | - | SINGLE EFFECT |

ACCESSORIES - ACCESSORI

| | H135 | H130 | H83/E |
|--|------|------|-------|
| DISPENSER + PATENTED QUICK CHANGE | | | |
| PORTABLE DISPENSER + STANDARD QUICK CHANGE | | | |
| BASE | | | |
| CLEANING AND MAINTENANCE KIT | | | |

ALSO AVAILABLE WITH SEPARATE POWER PACK



| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 | 58 | 63 | 69 | 73 |
|---------------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|
| | DIES LENGTH (mm) | | | | | | | | | | | | | | | | | |
| H135 24V - H130 12V | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 95 | 95 | 95 | 95 | 100 | 100 | 100 |
| H83/E 12V | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 70 | 70 | 85 | 85 | 85 | - | - | - | - | - | - |

* WITH SPECIAL DIES Ø 54 MM UPON REQUEST - • WITH SPECIAL DIES
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC HS54 ES

Code: TUBHS54ES

CRIMPING (STANDARD VOLUME CRIMPING)

IDEAL FOR ROPES, EYELET TERMINALS AND APPLICATIONS WHICH REQUIRE A LOW CRIMPING FORCE



TUBOMATIC H64/PM

Code: TUBH64PM

CRIMPING (SERVICE)



TUBOMATIC J67 EL

Code: TUBJ67EL

CRIMPING (STANDARD VOLUME CRIMPING)

HYDRAULIC UNIT 350 BAR - 5000 PSI



MAIN FEATURES

| | | | | | | | | |
|-------------------------------------|-------------------|-----------------------------------|-------------|--|---------------------------|---------------------------|--------------------|----------------------------|
| | | | | | | | | |
| ES3 touch-screen electronic control | Back limit switch | Ideal for the automotive industry | Manual pump | LED indicating when the set crimping diameter is reached | Ideal for on-site service | Vertical working position | Digital micrometer | Electro-mechanical control |
| HS54 ES | HS54 ES | HS54 ES | H64/PM | H64/PM | H64/PM | J67 EL | J67 EL | J67 EL |

| TECHNICAL DATA | | | |
|------------------------------|--------------------|-----------------|--------------------|
| | HS54 ES | H64/PM | J67 EL |
| CRIMPING FORCE | 76 US TONS | 132 US TONS | 190 US TONS |
| 4 SPIRALS | - | - | 1"1/4 |
| 6 SPIRALS 2 PIECES | - | 1" | - |
| 2 BRAIDS | - | - | 1"1/2 |
| 2 BRAIDS 2 PIECES | - | 1"1/2 | - |
| MAX Ø | ♦ 54 mm (2.1") | 64 mm (2.5") | 67 mm (2.6") |
| CRIMPING/HOUR | 1650 ■ | - | - |
| DIE OPENING | Ø + 1.1" | Ø + 0.6" | - |
| 90° FITTING | 2" | - | 1"1/2 * |
| DIMENSIONS LxWxH | 24.2"x24.1"x23.3" | 12"x10.1"x12.2" | 25.1"x22.4"x25.9" |
| WEIGHT WITHOUT OIL | 254 Lbs | 95 Lbs | 291 Lbs |
| OIL | 50 Lt. (13 US gal) | - | 7 Lt. (1.8 US gal) |
| REQUIRED EFFORT ON THE LEVER | - | 77 Lbs | - |
| MOTOR POWER | 3 kw (4 Hp) | - | 1.1 Kw (1.5 Hp) |
| VOLTAGE | Any 60HZ 3PH | - | 110V 60Hz 1Ph |
| CYLINDER | - | SINGLE EFFECT | SINGLE EFFECT |

| ACCESSORIES | | | | |
|-----------------------------------|--|---------|--------|--------|
| | | HS54 ES | H64/PM | J67 EL |
| CRIMPING SPEED CONTROL SYSTEM | | ■ | - | - |
| PRESSURE CONTROL SYSTEM KIT | | ■ | - | - |
| USB KIT | | ■ | - | - |
| MULTISTEP CRIMPING DIAMETERS | | ■ | - | - |
| DISPENSER + PATENTED QUICK CHANGE | | ■ | - | - |
| DIES HOLDER DISPENSER | | - | - | ■ |
| BASE | | ■ | - | ■ |
| ELECTRIC PEDAL | | ■ | - | - |
| BACK MIRROR | | ■ | - | - |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 | 34 | 38 | 42 | 46 | 50 | 54 |
|-----------------|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | DIES LENGTH (mm) | | | | | | | | | | | | | |
| HS54 ES | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | - | - |
| H64/PM | 46 | 46 | 46 | 46 | 55 | 55 | 55 | 60 | 60 | 65 | 65 | 65 | 65 | 65 |
| J67 EL | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |

■ THEORETICAL WITH 1/2" Δ Ø 6 MM HOSE - ♦ WITH SPECIAL DIES Ø 54 MM UPON REQUEST * ACCORDING TO THE FITTING ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

Product specifications could be modified without prior notice.



TUBOMATIC H47/E EL

Code: **TUBH47/EEL**

CRIMPING (SERVICE)



TUBOMATIC H47 PI

Code: **TUBH47PI**

CRIMPING (SERVICE)



TUBOMATIC H47 PM

Code: **TUBH47PM**

CRIMPING (SERVICE)



TUBOMATIC H47 E - Code: **TUBH47E**
ALSO AVAILABLE WITH SEPARATE PUMP



MAIN FEATURES



Electro-mechanical control

H47/E EL



Manual pump

H47 PM



Pneumo-hydraulic pump

H47 PI



LED indicating when the set crimping diameter is reached

**H47 PM
H47 PI**



Pneumatic input

H47 PI



Ideal for on-site service

| TECHNICAL DATA | | | |
|------------------------------|--------------------------------|------------------------------|--|
| | H47/E EL | H47 PI | H47 PM - H47 E |
| CRIMPING FORCE | 130 US TONS | 110 US TONS | 110 US TONS |
| CAPACITY | 1" 4 SP | 1" 2 SP | 1" 2 SP |
| MAX Ø | 46 mm (1.8") * | 46 mm (1.8") * | 46 mm (1.8") * |
| CRIMPING / HOUR | 930 | - | - |
| DIE OPENING | Ø + 0.7" | Ø + 0.7" | Ø + 0.7" |
| 90° FITTINGS | 3/8" | 3/8" | 3/8" |
| DIMENSIONS LxWxH | 19.6"x25.3"x26.3" | 14.9"x16.9"x15.7" | 15.3"x20.7"x11.8" H47 PM 7.8"x12.3"x12.5" H47 E |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | - | - |
| MOTOR POWER | 2.2 Kw (3 Hp) | - | - |
| WEIGHT WITHOUT OIL | 208 Lbs | 84 Lbs | 71 Lbs H47 PM 64 Lbs H47 E |
| OIL | 11 Lt. (3 US gal) not included | 2.5 Lt (0.5 US gal) included | 0.75 Lt (0.2 US gal) included |
| PNEUMATIC INPUT | - | max 7 Bar (100 Psi) | - |
| REQUIRED EFFORT ON THE LEVER | - | - | 66 Lbs |
| CYLINDER | DOUBLE EFFECT | SINGLE EFFECT | SINGLE EFFECT |

| ACCESSORIES | | | | | |
|---------------------|--|----------|----------|----------|-------|
| | | H47/E EL | H47 PI | H47 PM | H47 E |
| ELECRIC PEDAL | | ■ | - | - | - |
| TOOL FOR DIE CHANGE | | included | ■ | ■ | ■ |
| DIE HOLDER DRAWER | | - | included | included | - |

| Diameter (mm) ▶ | 10 | 12 | 14 | 16 | 19 | 22 | 25 | 29 |
|--------------------------|-------------------------|----|----|----|----|----|----|----|
| H47/E EL - H47 PI | DIES LENGTH (mm) | | | | | | | |
| H47 PM - H47 E | 55 | 55 | 55 | 55 | 55 | 55 | 65 | 65 |

*DIE HOLDER
ALL CAPACITIES INDICATED DEPEND ON THE KIND OF FITTING USED

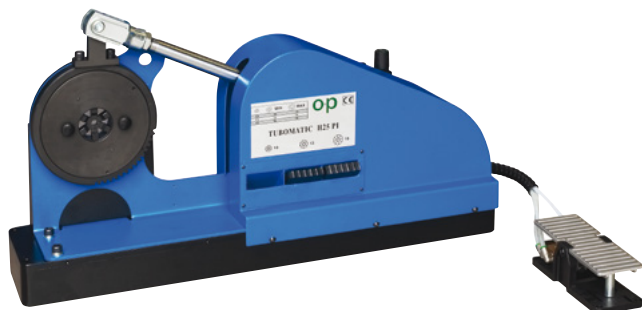
Product specifications could be modified without prior notice.



TUBOMATIC H25 PI

Code: TUBH25PI

CRIMPING (SERVICE)



TUBOMATIC H25

Code: TUBH25

CRIMPING (SERVICE)



IDEAL FOR LOW
PRESSURE HOSES

MAIN FEATURES



Pneumatic input

H25 PI



Pneumo-hydraulic pump

H25 PI






Manually operated

H25



Ideal for on-site service

| TECHNICAL DATA | | |
|--------------------|---------------------|----------------|
| | H25 PI | H25 |
| MAX Ø | 25 mm (0.9") | 25 mm (0.9") |
| DIE OPENING | Ø + 0.8" | Ø + 0.8" |
| DIMENSIONS LxWxH | 31.8"x9.8"x17.3" | 19.6"x7"x12.2" |
| WEIGHT WITHOUT OIL | 110 Lbs | 26 Lbs |
| PNEUMATIC INPUT | MAX 7 Bar (100 Psi) | - |

| ACCESSORIES | | | |
|-----------------------------|---|---|---|
| | | H25 PI | H25 |
| DIES Ø 10-13-16 mm included |  |  |  |

TUBOCUT 5

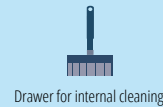
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CUTTING

AUTOMATIC EQUIPMENT IDEAL FOR VOLUME PRODUCTION



MAIN FEATURES

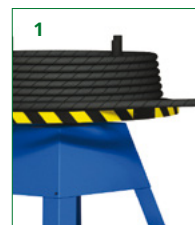


TECHNICAL DATA

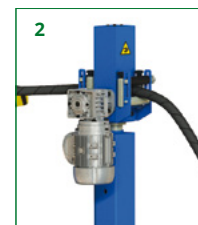
| | |
|----------------------------------|---------------------------|
| OD HOSE | 0.3"-1.6" |
| CUTTING TOLERANCE | ± 0,5% |
| MIN. CUTTING LENGTH | 9.8" |
| MAX. CUTTING LENGTH | 3936.9" |
| BELT SPEED | 15 - 30 - 40 Mt/Min. |
| BLADE Ø | 520 mm (20.4") |
| REVOLUTIONS/MINUTE | 2800 |
| MAX. REEL WEIGHT | 330 Lbs |
| STANDARD VOLTAGE | Any 60HZ 3PH |
| BLADE MOTOR POWER | 5,5 Kw (7.5 Hp) - A= 9,85 |
| TRANSMISSION BELT MOTOR POWER | 0.35 Kw (0.5 Hp) |
| SUCTION HOSE CONNECTION Ø | 3.9" |
| PNEUMATIC INPUT | MAX 6 Bar (84 Psi) |
| CUTTING MACHINE WEIGHT | 1653 Lbs |
| HOSE FEEDING SYSTEM WEIGHT | 552 Lbs |
| CONVEYOR BELT WEIGHT | 240 Lbs |
| CUTTING MACHINE DIMENSIONS LxWxH | 57"x33.4"x57" |
| WINDER DIMENSIONS LxWxH | 163.3"x41.3"x49.2" |
| CONVEYOR BELT DIMENSIONS LxWxH | 84.6"x19.6"x39,3" |

ACCESSORIES - ACCESSORI

| | |
|---|------------|
| FUME EXTRACTOR | |
| CONVEYOR BELT | |
| READING AND IDENTIFICATION BARCODE SYSTEM | |
| HOSE MARKING SYSTEM WITH USER INTERFACE | |
| LAN AND USB CONNECTION CONFIGURATION (INCLUDED) | |
| OPTIONAL - OPTIONAL | |
| INDUSTRY 4.0 KIT | 4.0 |



HOSE WINDING SYSTEM



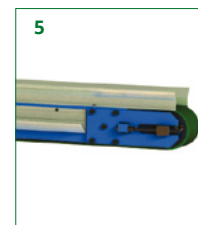
MOTORIZED HOSE DRIVING SYSTEM



LOOP CONTROL DEVICE



CUTTING MACHINE WITH TOUCH-SCREEN PLC



CONVEYOR BELT



PRINTER

Product specifications could be modified without prior notice.

SEMI-AUTOMATIC CUTTING LINE

Code: TAGLLINE

CUTTING



MAIN FEATURES



Hose rewinding in reels



Very precise cut



Remote control



Ideal for volume production

| TECHNICAL DATA | |
|------------------|--------------------|
| MODULAR FLOOR | 196.8"x 55.1" |
| DIMENSIONS LxWxH | 216.7"x64.9"x49.6" |
| WEIGHT | 1140 Lbs |

| INCLUDED ACCESSORIES | | |
|--|--|---|
|  <p>REEL ROLLER MECHANICAL BRAKE</p> |  <p>CENTERING DEVICE WITH METER COUNTER</p> |  <p>CENTERING DEVICE</p> |
|  <p>ADJUSTABLE HOSE LOCKER</p> |  <p>MODULAR PLATFORM</p> | |

SYSTEM COMPOSED OF:

- TF2 CUTTING MACHINE
- AV01EL REWINDER
- AV01 WINDER

AVAILABLE ALSO WITH CUTTING MACHINES TF5 - TF4 - TF3 PI - TF3

TF6
Code: TAGLTF6D
CUTTING



TF5
Code: TAGLTF5D
CUTTING



TF4
Code: TAGLTF4D
CUTTING









MAIN FEATURES

- 
Self-braking motor
- 
Serrated blade
- 
Self-centering hose support
- 
Drawer for internal cleaning
- 
Recessed blade for a greater safety
- 
Safety protections
- 
Touch-screen electronic control
- 
Digital stroke counter

TF6

TF5
TF4

| TECHNICAL DATA | | | |
|--------------------------|-----------------------|---------------------------|---------------------------|
| | TF6 | TF5 | TF4 |
| 6 SPIRALS | 3" | 2" 1/2 | 2" |
| 4 SPIRALS | 3" | 3" | 2" 1/2 |
| 2 BRAIDS | 3" | 3" | 3" |
| INDUSTRIAL HOSE | 4" | 4" | 3" |
| MAX Ø (OD) | 6.2" | 6.2" | 3.9" |
| REVOLUTIONS/MINUTE | 2900 | 2900 | 2900 |
| PNEUMATIC INPUT | - | MAX 7 Bar (100 Psi) | MAX 7 Bar (100 Psi) |
| BLADE Ø | 650 mm (25.6") | 520 mm (20.4") | 400 mm (15.7") |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH | Any 60HZ 3PH |
| DIMENSIONS LxWxH | 49.2"x34.2"x63.5" | 48"x26.1"x62.5" | 44"x23.8"x57.2" |
| WEIGHT | 1027 Lbs | 860 Lbs | 717 Lbs |
| SELF BRAKING MOTOR POWER | 11 Kw (15 Hp) - A= 23 | 7.5 Kw (10 Hp) - A= 13.80 | 5.5 Kw (7.5 Hp) - A= 9.85 |

| ACCESSORIES | | | | |
|---|---|-----|-----|-----|
| | | TF6 | TF5 | TF4 |
| MEASURING HOSE HOLDER |  | ■ | ■ | ■ |
| CENTERING DEVICE + METER COUNTER (MAX 2") |  | ■ | ■ | ■ |
| FUME EXTRACTOR |  | ■ | ■ | ■ |
| BLOWING KIT |  | ■ | ■ | ■ |
| PEDAL-EQUIPPED ELECTRIC CONTROL (INCLUDED) |  | ■ | - | - |
| PEDAL-EQUIPPED PNEUMATIC CONTROL (INCLUDED) |  | - | ■ | ■ |
| CUTTING SPEED ADJUSTMENT DEVICE (INCLUDED) | | - | ■ | ■ |

TF6 ALSO AVAILABLE WITHOUT SELF-BRAKING MOTOR
Code: TAGLTF6D/NB

Product specifications could be modified without prior notice.

TF5 ECO

Code: TAGLTF5DECO

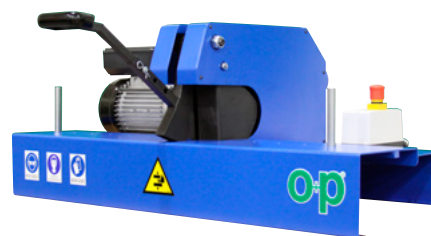
CUTTING



TF4/E

Code: TAGLTF4D/E

CUTTING



MAIN FEATURES - CARATTERISTICHE PRINCIPALI



Safety protections



Suction connection



Ideal for your workshop



Recessed blade for a greater safety



Serrated blade



Diamond blade



Manually operated

TF5 ECO

TF4/E

| TECHNICAL DATA | | | |
|--------------------|---------------------------|------------------------------|--|
| | TF5 ECO | TF4/E | |
| 6 SPIRALS | 2" 1/2 | 2" | |
| 4 SPIRALS | 3" | | |
| 2 BRAIDS | 3" | | |
| INDUSTRIAL HOSE | 4" | 4" * | |
| MAX Ø (OD) | 6.2" | 5.1" | |
| REVOLUTIONS/MINUTE | 2900 | 2900 | |
| PNEUMATIC INPUT | MAX 7 Bar (100 Psi) | | |
| BLADE Ø | 520 mm (20.4") | Diamond Blade 400 mm (15.7") | |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH | |
| DIMENSIONS LxWxH | 41.9"x40.1"x30.3" | 45.2"x26"x26.3" | |
| WEIGHT | 783 Lbs | 187 Lbs | |
| MOTOR POWER | 7.5 Kw (10 Hp) - A= 13.35 | 4 Kw (5.5 Hp) | |

*depend on the kind of hose

| ACCESSORIES | | | |
|---|--|----------|-------|
| | | TF5 ECO | TF4/E |
| STROKE COUNTER | | ■ | - |
| MEASURING HOSE HOLDER | | ■ | - |
| CENTERING DEVICE + METER COUNTER (MAX 2") | | ■ | ■ |
| BASE | | ■ | - |
| FUME EXTRACTOR | | ■ | - |
| BLOWING KIT | | ■ | - |
| ELECTRIC PEDAL | | included | - |

Product specifications could be modified without prior notice.



TF3
Code: TAGLTF3D
CUTTING



TF3 PI
Code: TAGLTF3DPI
CUTTING



TF2
Code: TAGLTF2D
CUTTING



MAIN FEATURES



Safety protections



Suction connection



Serrated blade



Ideal for your workshop



Recessed blade for a greater safety



Pneumatic input

TF3 PI

TECHNICAL DATA

| | TF3 | TF3 PI | TF2 |
|--------------------|----------------------------|----------------------------|------------------|
| 6 SPIRALS | 2" | 2" | 1" 1/2 |
| 4 SPIRALS | 2" 1/2 | 2" 1/2 | 2" |
| 2 BRAIDS | 3" | 3" | 2" |
| MAX Ø (OD) | 3.9" | 3.9" | 2.9" |
| REVOLUTIONS/MINUTE | 2900 | 2900 | 2900 |
| BLADE Ø | 400 mm (15.7") | 400 mm (15.7") | 250 mm (9.8") |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH | Any 60HZ 3PH/1PH |
| DIMENSIONS LxWxH | 39.3"x27.9"x45.2" | 40.3"x27.5"x45.2" | 33"x21.6"x45.2" |
| WEIGHT | 419 Lbs | 530 Lbs | 290 Lbs |
| MOTOR POWER | 5.5 Kw (7.5 Hp) - A= 10.14 | 5.5 Kw (7.5 Hp) - A= 10.14 | 3 Kw (4 Hp) |
| PNEUMATIC INPUT | - | MAX 7 Bar (100 Psi) | - |

ACCESSORIES

| | | TF3 | TF3 PI | TF2 |
|---|--|-----|--------|-----|
| STROKE COUNTER | | ■ | ■ | ■ |
| MEASURING HOSE HOLDER | | ■ | ■ | ■ |
| CENTERING DEVICE + METER COUNTER (MAX 2") | | ■ | ■ | ■ |
| MECHANICAL PEDAL CONTROL (INCLUDED) | | ■ | - | ■ |
| PEDAL-EQUIPPED PNEUMATIC CONTROL (INCLUDED) | | - | ■ | - |
| CUTTING SPEED ADJUSTMENT DEVICE (INCLUDED) | | - | ■ | - |

TF3/E

Code: TAGLTF3D/E

CUTTING



TF2/E

Code: TAGLTF2D/E

CUTTING



TF1/E

Code: TAGLTF1D/E

CUTTING



MAIN FEATURES



Safety protections



Suction connection



Serrated blade



Manually operated



Ideal for on-site service



Recessed blade for a greater safety



Also available in 12V - 24V

TF1/E
TF2/E
TF3/E

TECHNICAL DATA

| | TF3/E | TF2/E | TF1/E |
|--------------------|------------------|-------------------|-------------------|
| 6 SPIRALS | 2" | 1" 1/2 | 1" |
| 4 SPIRALS | - | 2" | 1" 1/4 |
| 2 BRAIDS | - | 2" | 1" 1/4 |
| MAX Ø (OD) | 3.3" | 2.9" | 2.3" |
| REVOLUTIONS/MINUTE | 2900 | 2900 | 2900 |
| BLADE Ø | 350 mm (13.7") | 250 mm (9.8") | 250 mm (9.8") |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH |
| DIMENSIONS LxWxH | 29.9"x20.9"x20" | 25.5"x27.5"x16.5" | 20.6"x25.9"x17.5" |
| WEIGHT | 131 Lbs | 97 Lbs | 66 Lbs |
| MOTOR POWER | 3 Kw (4 Hp) | 3 Kw (4 Hp) | 1.1 Kw (1.5 Hp) |

ACCESSORIES

| | TF3/E | TF2/E | TF1/E |
|---|-------|-------|-------|
| CENTERING DEVICE + METER COUNTER (MAX 2") | | | - |

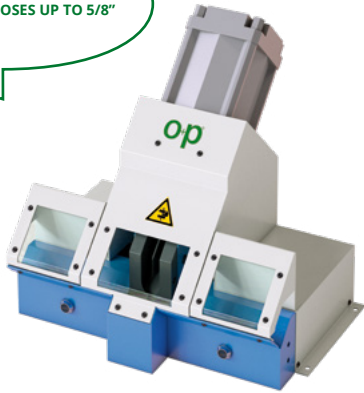
COMPACT AND INEXPENSIVE EQUIPMENT, IDEAL FOR ON-SITE SERVICE

TT30PI

Code: TAGLTT30PI

CUTTING

IDEAL FOR LOW PRESSURE
AND TEXTILE HOSES UP TO 5/8"



MAIN FEATURES



Pneumatic input



Safety protections


TECHNICAL DATA

TT30PI

| | |
|------------------|--------------------|
| MAX Ø (OD) | 1.1" |
| DIMENSIONS LxWxH | 17.3"x 18.3"x16.9" |
| WEIGHT | 66 Lbs |

ACCESSORIES

TT30PI

| | | |
|-----------------------|---|---|
| PEDAL |  | ■ |
| MEASURING HOSE HOLDER | | ■ |

CUTTING BLADES

CUTTING

TECHNICAL DATA

DIMENSIONS mm (EXT Ø X W X INT. Ø)

SMOOTH AND TOOTHED CUTTING BLADES*

Ø 200 x 2.5 x 32

Ø 250 x 3 x 40 (TF2, TF2/E, TF1/E)

Ø 275 x 3 x 40

Ø 300 x 3 x 50

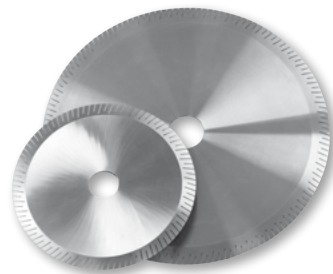
Ø 350 x 3 x 50 (TF3/E)

Ø 400 x 4 x 50 (TF4, TF4/E, TF3, TF3 PI)

Ø 520 x 4 x 50 (TUBOCUT5, TF5, TF5 ECO)

Ø 650 x 6 x 80 (TF6)

*Smooth blades available upon request



DIAMOND BLADE

DIAMOND BLADES

Diamond blades for special applications.

Available Ø: 200, 250, 275, 300, 350, 400, 520, 650 mm.

They are ideal for cutting steel spiral hoses type SAE 100R4, that are hardwall smooth rubber hoses suitable for suction and delivery of hydraulic fluids, mineral oil and fuels.

They can be also used for cutting reinforced hoses with a single steel wire spiral with high strength synthetic textile plies.

PRT 1080

Code: PRT1080

CUTTING

HOSE PRICKING
EQUIPMENT



ANALOGUE INCH COUNTER

Code: CONTAPOLLICI

CUTTING

UNIVERSAL BALANCING
ARMS AND ROLLER GUIDES
(HOSES Ø 1/4"-1")



MAIN FEATURES



Manually operated



Suitable for all
cutting machines

**ANALOGUE
INCH COUNTER**



Precise measurement

**ANALOGUE
INCH COUNTER**



Adjustable height

**ANALOGUE
INCH COUNTER**

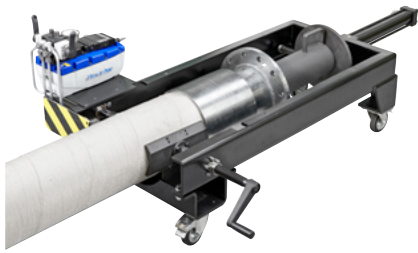
| TECHNICAL DATA | |
|------------------|-----------------|
| PRT 1080 | |
| DIMENSIONS LxWxH | 6.6"x6.6"x18.7" |
| WEIGHT | 24 Lbs |
| CAPACITY | Ø 0.3"-3.1" |

| TECHNICAL DATA | |
|------------------------------|-------------------------|
| ANALOGUE INCH COUNTER | |
| DIMENSIONS LxWxH | 32"x20"x30.7" |
| WEIGHT | 77 Lbs |
| CAPACITY | Ø Min. 1/4" - Ø Max. 1" |
| MEASURING TOLERANCE (UNI EN) | ± 2% |

INSERT 08 PSM

Code: **INS08PSM**

FITTING ASSEMBLY



INSERT 03/P

Code: **INS03PSM**

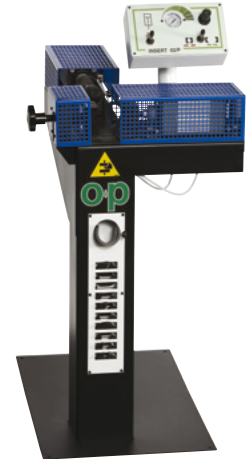
FITTING ASSEMBLY



INSERT 02/P

Code: **INS02PSM**

FITTING ASSEMBLY



MAIN FEATURES



Pneumatic input



Precise preassembly



Pneumatic vice

INSERT 03/P



Semiautomatic cycle


INSERT 03/P



Manual cycle

INSERT 02/P

| TECHNICAL DATA | | | |
|-----------------------|---------------------|---------------------|---------------------|
| | INSERT 08 PSM | INSERT 03/P | INSERT 02/P |
| CAPACITY | 8" | 3" | 2" |
| PUSH FORCE | 8818 Lbs | - | - |
| PNEUMATIC INPUT | MAX 7 Bar (100 Psi) | MAX 7 Bar (100 Psi) | MAX 7 Bar (100 Psi) |
| WEIGHT | 298 Lbs | 518 Lbs | 214 Lbs |
| DIMENSIONS LxWxH | 44.2"x69.6"x24.5" | 33.6"x37.4"x49.2" | 25.7"x40.3"x50.5" |
| VOLTAGE | - | 230V - 1 PH | - |
| FLANGE MAX. DIMENSION | 16.7" | - | - |

| ACCESSORIES | | | | |
|---|---|--------|----------|----------|
| | | 08 PSM | 03/P | 02/P |
| PEDAL |  | - | included | - |
| VICE LOCKING PRESSURE ADJUSTMENT | | - | included | - |
| CYLINDER STROKE PRESSURE ADJUSTMENT | | - | included | included |
| SELECTOR FOR CYLINDER STROKE ADJUSTMENT | | - | included | - |

SPF6
Code: SPELSPF6

SKIVING

SELF-CENTERING
PNEUMATIC VICE



SPF3
Code: SPELSPF3

SKIVING



SPF2
Code: SPELSPF2

SKIVING



MAIN FEATURES



Simultaneous skiving

SPF6
SPF3



Internal skiving

SPF3
SPF2



External skiving

SPF3
SPF2



Drawer for shavings



Ideal for volume production

SPF6



Pneumatic vice



Safety device which prevents from operating the machine when the casing is open

SPF6



Preassembly

SPF6



Safety protections

| TECHNICAL DATA | | | |
|------------------------------|---------------------|---------------------|---------------------------------|
| | SPF6 | SPF3 | SPF2 |
| EXTERNAL SKIVING | 3" | 2" | 2" |
| INTERNAL SKIVING | 3" | 2" | 2" |
| INSERT CAPACITY | 3" | - | - |
| SIMULTANEOUS INT-EXT SKIVING | 2" | 2" | - |
| REVOLUTIONS/MINUTE | 300 | 200 | 300 |
| PNEUMATIC INPUT | MAX 8 Bar (115 Psi) | MAX 7 Bar (100 Psi) | MAX 7 Bar (100 Psi) OPTIONAL |
| WORKING CYCLE | Semi-Automatic | Manual | - |
| WEIGHT | 727 Lbs | 319 Lbs | 181 Lbs |
| DIMENSIONS LxWxH | 41.3"x51.1"x43.3" | 28.5"x31.8"x42.1" | 25.5"x17.2"x42.7" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH |
| MOTOR POWER | 1.1 Kw (1.5 Hp) | 0.75 Kw (1 Hp) | 0.75 Kw (1 Hp) |

| ACCESSORIES | | | | |
|---------------------------|--|--------------------------|--------------------------|--------------------------|
| | | SPF6 | SPF3 | SPF2 |
| ELECTRIC PEDAL (INCLUDED) | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| TOOL HOLDER | | included | | |

SPF6



SKIVING MANDREL

SPF6



SELF-CENTERING
PNEUMATIC VICE

SPF6



INSERT MANDREL

SPF3



SKIVING MANDREL

SPF2



SKIVING MANDREL

SPF2



PNEUMO-HYDRAULIC VICE
OPTIONAL

SPF2/MS

Code: SPELSPF2MS

SKIVING



SPF2/E

Code: SPELSPF2/E

SKIVING



SPF1

Code: SPELSPF1

SKIVING



MAIN FEATURES



Internal skiving



External skiving



Pneumatic vice



Safety protections



Drawer for shavings



Also available in 12V



Ideal for on-site service

SPF2/MS

SPF2/E
SPF2/MS

SPF2/E
SPF2/MS

SPF2/E

SPF2/E
SPF1

TECHNICAL DATA

| | SPF2/MS | SPF2/E | SPF1 |
|--------------------|---------------------------------|------------------|-----------------|
| EXTERNAL SKIVING | 2" | 2" | 2" |
| INTERNAL SKIVING | 2" | 2" | 2" |
| REVOLUTIONS/MINUTE | 300 | 300 | - |
| PNEUMATIC INPUT | MAX 7 Bar (100 Psi) OPTIONAL | - | - |
| WEIGHT | 172 Lbs | 110 Lbs | 15 Lbs |
| DIMENSIONS LxWxH | 26.9"x19.6"x44" | 26.5"x21"x17.2" | 18.8"x9.4"x3.9" |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH | - |
| MOTOR POWER | 0.75 Kw (1 Hp) | 0.75 Kw (1 Hp) | - |

ACCESSORIES

| | | SPF2/MS | SPF2/E | SPF1 |
|---------------------------|--|---------|--------|------|
| ELECTRIC PEDAL (INCLUDED) | | ■ | ■ | - |
| TOOL HOLDER | | ■ | ■ | ■ |
| TOOL HOLDER STAND | | ■ | - | - |

SPF2/MS



SINGLE MANDREL FOR EACH DIAMETER SHARP WITH DOUBLE KNIFE

SPF2/MS



PNEUMO-HYDRAULIC VICE
OPTIONAL

SPF2/E



FIXED SKIVING MANDREL WITH ONE CUTTER ONLY, PROVIDED WITH A MILLIMETRIC RULER TO SET THE SKIVING DISTANCE

SPF1



SPF2/E



DRAWER FOR SHAVINGS

MB20

Code: **MARK01**

MARKING



MB21

Code: **MARK02P**

MARKING



HP1

Code: **MARKHP1**

MARKING



HP1PN

Code: **MARKHP1PN**

MARKING



MAIN FEATURES



Manually operated

MB20
HP1



Pneumatic input

MB21
HP1PN



Strike device

MB20
MB21



Rolling device

HP1
HP1PN

| TECHNICAL DATA | | | | |
|-------------------------|----------------|---------------------|------------------|--------------------|
| | MB20 | MB21 | HP1 | HP1PN |
| CAPACITY | 2" | 2" | 2" | 2" |
| WEIGHT | 62 Lbs | 133 Lbs | 60 Lbs | 110 Lbs |
| DIMENSIONS LxWxH | 9"x12.2"x25.9" | 8.6"x12.2"x25.9" | 19.6"x9.8"x19.6" | 28.3"x9.8"x20.4" |
| PNEUMATIC INPUT | - | MAX 7 Bar (100 Psi) | - | MAX 6 Bar (87 Psi) |
| N° OF CHARACTERS | 15 | 15 | 16 | 16 |
| CHARACTER HEIGHT | 0.08" | 0.08" | 0.1" | 0.1" |

| ACCESSORIES | | | | | |
|----------------------------|--|--------|--------|----------|----------|
| | | MB20 | MB21 | HP1 | HP1PN |
| 1 LINE | | ■ | ■ | included | included |
| 2 LINES | | ■ | ■ | ■ | ■ |
| PROGRESSIVE COUNTER | | - | - | ■ | ■ |
| CHARACTERS BOX | | H 2 mm | H 2 mm | H 3 mm | H 3 mm |

LAVAMATIC 200

Code: LAV200

WASHING



SPEEDY CLEAN

Code: CARRLAV

WASHING



MAIN FEATURES



Suitable for the internal cleaning



Pneumatic input



Cleaning carried out by means of a spray gun



Equipped with wheels



Washing liquid: solvent

SPEEDY CLEAN

TECHNICAL DATA

| | LAVAMATIC 200 | SPEEDY CLEAN |
|-----------------------|---------------------------------|---------------------------------|
| CAPACITY | 2" | 2" |
| PNEUMATIC INPUT | 6 Bar (87 Psi) | 6 Bar (87 Psi) |
| AIR CONSUMPTION | 7 Lt./Min. (1.8 US gal/min.) | 7 Lt./Min. (1.8 US gal/min.) |
| EXIT PRESSURE | 60 Bar (870 Psi) | 60 Bar (870 Psi) |
| TANK CAPACITY | 60 Lt. (15 US gal) | 35 Lt. (9 US gal) |
| WASHING LIQUID | SOLVENT | SOLVENT |
| WEIGHT WITHOUT LIQUID | 518 Lbs | 264 Lbs |
| DIMENSIONS LxWxH | 78.7"x31.4"x47" | 20.8"x40.9"x37.7" |
| CLEANING STANDARD | NAS 1638: 8 ISO 4406: 16/13 | NAS 1638: 8 ISO 4406: 16/13 |

ACCESSORIES

| | | LAVAMATIC 200 | SPEEDY CLEAN |
|---|---|---------------|--------------|
| ADAPTER FOR HOSES UP TO 2" (INCLUDED) |  | ■ | ■ |
| HYDRAULIC POWER PACK WITH 30 LT (8 US GAL) TANK | | - | included |

SR8
Code: **SROTSR8**

ACCESSORIES



SR6
Code: **SROTSR6**

ACCESSORIES



SRB6
Code: **SROTSRB6**

ACCESSORIES



MAIN FEATURES



Ideal to keep your workshop tidy



Easy loading/unloading of hose coils

SR8
SR6



Easy winding of hose reels

SRB6



Provided with mobile supports

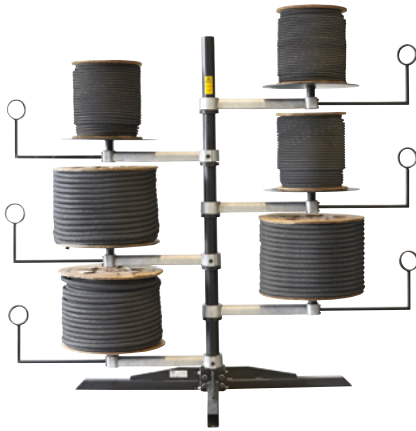
SR8
SR6

TECHNICAL DATA

| | SR8 | SR6 | SRB6 |
|--------------------------|-----------------|-------------------|-------------------|
| MAX LOADING | 3792 Lbs | 1450 Lbs | 2650 Lbs |
| ONE ARM LOADING | 473 Lbs | 240 Lbs | 352 Lbs |
| HOSE HOLDER Ø | 39.3" | 29.5" | - |
| WEIGHT | 474 Lbs | 198 Lbs | 240 Lbs |
| MAX. VOLUME LxWxH | LxH 93.5"x85.6" | 41.7"x41.7"x77.9" | 62.9"x62.9"x90.5" |

SRB6/1
Code: **SROTSRB6/1**

ACCESSORIES



HOSE CARRIER
Code: **PORTATUBO**

ACCESSORIES



HOSE CARRIER 2
Code: **PORTATUBO2**

ACCESSORIES



MAIN FEATURES



Ideal to keep your workshop tidy



Easy winding of hose reels



Equipped with wheels



Provided with mobile shelf with adjustable height



Provided with mobile supports

SRB6/1

**PORTATUBO
PORTATUBO2**

PORTATUBO2

SRB6/1

TECHNICAL DATA

| | SRB6/1 | HOSE CARRIER - PORTATUBO | HOSE CARRIER 2 - PORTATUBO 2 |
|-------------------------|-----------------|---------------------------------|-------------------------------------|
| MAX LOADING | 2844 Lbs | 1323 Lbs | 1543 Lbs |
| ONE ARM LOADING | 474 Lbs | 330 Lbs | - |
| WEIGHT | 377 Lbs | 198 Lbs | 209 Lbs |
| DIMENSIONS LxWxH | LxH 93.3"x79.1" | 36.1"x51.1"x79.5" | 59.1"x27.1"x56.7" |

AV01

Code: SROTAV01

ACCESSORIES



AV01 EL

Code: SROTAV01EL

ACCESSORIES



MAIN FEATURES



Manually operated

AV01



Adjustable supports which adapt to the hose diameter



Electric feeding

AV01 EL

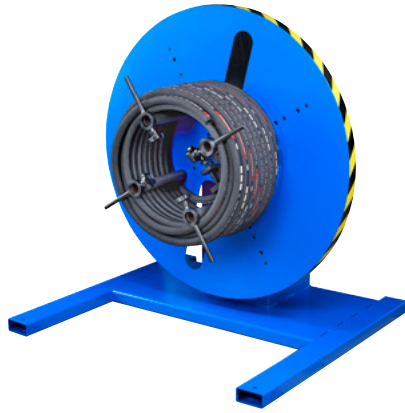
| TECHNICAL DATA | | |
|----------------------|---------------|-----------------------------|
| | AV01 | AV01 EL |
| MAX LOADING | 530 Lbs | 530 Lbs |
| HOSE HOLDER Ø | 39.3" - 59" | 39.3" - 59" |
| STANDARD VOLTAGE | - | Any 60HZ 3PH |
| MOTOR POWER | - | 0.67 - 0.36 Kw (0.9-0.5 Hp) |
| ROTATION SPEED (rpm) | - | 7-14 |
| WEIGHT | 132 Lbs | 198 Lbs |
| DIMENSIONS LxWxH | 59"x59"x54.4" | 59"x59"x54.4" |

| ACCESSORIES | | | |
|-----------------------------------|--|--------------------------|--------------------------|
| | | AV01 | AV01 EL |
| ROLLER CENTERING DEVICE | | <input type="checkbox"/> | <input type="checkbox"/> |
| REEL CENTERING DEVICE | | <input type="checkbox"/> | <input type="checkbox"/> |
| ADJUSTABLE HOSE LOCKER (INCLUDED) | | <input type="checkbox"/> | <input type="checkbox"/> |
| REMOVABLE SPACERS (INCLUDED) | | <input type="checkbox"/> | <input type="checkbox"/> |
| ELECTRIC PEDAL (INCLUDED) | | | <input type="checkbox"/> |

AV01V

Code: SROTAV01V

ACCESSORIES



AV02 EL

Code: SROTAV02EL

ACCESSORIES



MAIN FEATURES



Manually operated

AV01V



Electric feeding

AV02 EL




Adjustable supports which adapt to the hose diameter

AV02 EL

TECHNICAL DATA

| | AV01V | AV02 EL |
|---|-------------------|--------------------|
| MAX LOADING | 530 Lbs | 1102 Lbs |
| HOSE | - | 2" 1/2 |
| HOSE HOLDER Ø | 41.7" | 77.1" |
| STANDARD VOLTAGE | - | Any 60HZ 3PH |
| MOTOR POWER | - | 4 Kw (5 Hp) |
| ROTATION SPEED (rpm) | - | 0-50 |
| CONTINUOUS MOTORISED ADJUSTMENT OF THE HOSE SUPPORT ANGLE | - | 0° - 90° |
| 0 - 90° ANGULAR INCLINATION OF SPEED | - | 5.5 sec. |
| WEIGHT WITHOUT OIL | 317 Lbs | 1091 Lbs |
| DIMENSIONS LxWxH | 43.3"x39.3"x45.4" | 80.7"x80.7"x82.2" |
| OIL (NOT INCLUDED) | - | 6 Lt. (1.5 US gal) |

INCLUDED ACCESSORIES

| | AV01V | AV02 EL |
|--|---|-------------------------------------|
| MECHANICAL BRAKE WITH LOCKING HANDWHEEL | ■ | - |
| ADJUSTABLE HOSE LOCKER | ■ | ■ |
| MANUAL ROTATION OPTION DISCONNECTING THE MOTOR | - | ■ |
| LOWER SLIDING HOSE ROLLERS | - | ■ |
| COIL ANTI-DROP SYSTEM | - | ■ |
| MANUAL ADJUSTMENT OF THE COIL CENTERING PINS | - | ■ |
| ELECTRIC TILT REGULATION | - | ■ |
| OPTIONAL | | |
| REEL CENTERING DEVICE |  | <input checked="" type="checkbox"/> |

BC 4500 ES

Code: BC4500ES

TESTING

PNEUMO-HYDRAULIC PUMP



MAIN FEATURES



Burst tests



Touch-screen electronic control



Internal lighting



Shock-proof testing windows



Burst-proof protections



Sliding manifold



Temperature warning signal



Automatic door opening



USB connection configuration



PDF files printing

| TECHNICAL DATA | |
|-----------------------------|---------------------------------|
| STATIC PRESSURE | 4500 Bar (65250 Psi) |
| IMPULSE PRESSURE | 4500 Bar (65250 Psi) |
| MIN. STARTING PRESSURE | 100 Bar (1450 Psi) |
| PRESSURE CONTROL | Automatic |
| TEST | Automatic |
| TYPE OF DRIVE | Pneumatic Intensifier |
| TESTING LIQUID | Fluid |
| N° MANIFOLDS | 2 |
| N° CONNECTIONS PER MANIFOLD | 2 x M16 x 1.5 mm |
| LIQUID FILLING | Semi-automatic |
| FILLING FLOW | 25 Lt./min. (6.5 US gal/min.) |
| PRESSURE PUMP FLOW | 0.92 Lt/min (0.25 US gal/min.) |
| PRESSURE DISCHARGE | Automatic |
| DOOR ELECTRIC SAFETY DEVICE | Automatic |
| PRESSURE GAUGE | Digital |
| STANDARD CHAMBER DIMENSIONS | 86.6"x35.4" |
| BENCH DIMENSIONS | 97.2"x37.4"x51.1" |
| AIR CONSUMPTION | 1500 Lt./min. (396 US gal/min.) |
| TANK | 100 Lt. (26 US gal) |
| STANDARD VOLTAGE | Any 60HZ 3PH |
| WEIGHT WITHOUT OIL | 1500 Lbs |

| INCLUDED ACCESSORIES | |
|-------------------------|------------|
| SUCTION FILTER | |
| DELIVERY FILTER | |
| SHELVES FOR TOOLS | |
| PRESSURE PEAK MEMORY | |
| LEVEL WARNING SIGNAL | |
| OPTIONAL | |
| 3000 MM TESTING CHAMBER | |
| ADAPTORS | |
| PC CONNECTION | |
| INDUSTRY 4.0 KIT | 4.0 |

BC 1200-2000 ES and BC 1200-2000 WATER

Code: BC1200ES-BC2000ES-BC1200/WATER-BC2000/WATER

TESTING

PNEUMO-HYDRAULIC PUMP



WATER VERSION WITH CHAMBER AND COMPONENTS IN STAINLESS STEEL

MAIN FEATURES



Water tests



Touch-screen electronic control



Internal lighting



Shock-proof testing windows



Sliding manifold



Temperature warning signal



Automatic door opening



USB connection configuration



PDF files printing

BC 1200 ES WATER
BC 2000 ES WATER

TECHNICAL DATA

| | | |
|---------------------------------|--|--|
| STATIC PRESSURE | 1200-2000 Bar (17400-29000 Psi) | |
| IMPULSE PRESSURE | 1200-2000 Bar (17400-29000 Psi) | |
| 1200 Bar MIN. STARTING PRESSURE | 30 Bar (435 Psi) | |
| 2000 Bar MIN. STARTING PRESSURE | 50 Bar (725 Psi) | |
| PRESSURE CONTROL | Automatic | |
| TEST | Automatic | |
| TYPE OF DRIVE | Pneumatic Intensifier | |
| TESTING LIQUID | Fluid or water | |
| N° MANIFOLDS | 2 | |
| N° CONNECTIONS PER MANIFOLD | 15x1/4" BSP | |
| LIQUID FILLING | Automatic | |
| FILLING FLOW | Fluid version 25 Lt./min. (6.5 US gal/min.) | Water version 17 Lt./min. (4.5 US gal/min.) |
| PRESSURE PUMP FLOW | BC 1200 1.55 lt./min. (0.4 US gal/min.) | BC 2000 0.66 lt./min. (0.2 US gal/min.) |
| HOSE EMPTYING SYSTEM | Automatic | |
| PRESSURE DISCHARGE | Automatic | |
| PRESSURE DISPLAY | Digital | |
| AUTOMATIC DOOR SAFETY DEVICE | Fluid version electric | Water version mechanical |
| STANDARD CHAMBER DIMENSIONS | 86.6"x35.4" | |
| BENCH DIMENSIONS | 106.2"x38.5"x66.9" | |
| AIR CONSUMPTION | 1500 Lt./min. (396 US gal/min.) | |
| TANK | 100 Lt. (26 US gal) | |
| STANDARD VOLTAGE | Any 60HZ 3PH | |
| WEIGHT WITHOUT OIL/WATER | 2150 Lbs | |

INCLUDED ACCESSORIES

| | |
|------------------------------|--|
| SUCTION FILTER | |
| DELIVERY FILTER | |
| INTERNAL OIL PROTECTING MESH | |
| SHELVES FOR TOOLS | |
| PRESSURE PEAK MEMORY | |
| LEVEL WARNING SIGNAL | |
| AIR-OIL PRESSURE MULTIPLIER | |

OPTIONAL

| | |
|-------------------------|-----|
| SAE CONNECTIONS | |
| ADAPTORS | |
| BURST-PROOF PROTECTION | |
| 3000 MM TESTING CHAMBER | |
| WASHING DEVICE | |
| PC CONNECTION | |
| INDUSTRY 4.0 KIT | 4.0 |

Product specifications could be modified without prior notice.

BC 1200/E ES

Code: BC1200EES

TESTING



WITH HYDRAULIC MULTIPLIER

BC 1200/E

Code: BC1200E

TESTING



MAIN FEATURES



Touch-screen electronic control

BC 1200/E ES



Not suitable for burst test



Internal lighting

BC 1200/E ES



Shock-proof testing windows

BC 1200/E ES



Sliding manifolds

BC 1200/E ES



USB connection configuration

BC 1200/E ES



PDF files printing


BC 1200/E ES



Manually operated

BC 1200/E

| TECHNICAL DATA | | |
|-------------------------------|--|--|
| | BC1200/E ES | BC1200/E |
| STATIC PRESSURE | 1200 Bar (17400 Psi) | 1200 Bar (17400 Psi) |
| IMPULSE PRESSURE | 1200 Bar (17400 Psi) | 1200 Bar (17400 Psi) |
| MIN. STARTING PRESSURE | 100 Bar (1450 Psi) | 100 Bar (1450 Psi) |
| PRESSURE CONTROL | Automatic | Manual |
| TEST | Automatic | Manual |
| TYPE OF DRIVE | Hydraulic intensifier | Hydraulic intensifier |
| TESTING LIQUID | Fluid | Fluid |
| N° MANIFOLDS | 2 | 2 |
| N° CONNECTIONS PER MANIFOLD | N°06 Special Quick Connection N°2 1/4" BSP | N°01 Special Quick Connection N°2 1/4" BSP |
| LIQUID FILLING | Automatic | Manual |
| FILLING FLOW | 17 Lt./min. (4.5 US gal/min.) | 17 Lt./min. (4.5 US gal/min.) |
| PRESSURE DISCHARGE | Automatic | Manual |
| PRESSURE GAUGE | - | Analogic |
| DOOR MECHANICAL SAFETY DEVICE | Automatic | Automatic |
| DOOR ELECTRIC SAFETY DEVICE | Automatic | Automatic |
| STANDARD CHAMBER DIMENSIONS | 78.7"x32.6" | 78.7"x32.6" |
| BENCH DIMENSIONS | 98.4"x37.5"x47.2" | 98.4"x34.4"x47.2" |
| TANK | 110 Lt. (29 US gal) | 110 Lt. (29 US gal) |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH |
| WEIGHT WITHOUT OIL | 1323 Lbs | 1014 Lbs |
| FIXED VOLUME MULTIPLIER | OIL VOLUME 0.32 Lt. (0.08 US gal) | OIL VOLUME 0.32 Lt. (0.08 US gal) |

| INCLUDED ACCESSORIES | | | |
|---|---|-------------|----------|
| SUCTION FILTER | | | |
| DELIVERY FILTER | | | |
| INTERNAL OIL PROTECTING MESH (BC 1200/E ES) | | | |
| SHELVES FOR TOOLS (BC 1200/E ES) | | | |
| MANUAL DOOR OPENING (BC 1200/E ES) | | | |
| OPTIONAL | | | |
| | | BC1200/E ES | BC1200/E |
| PC CONNECTION |  | ■ | - |
| ADAPTORS: 3/8" - 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2" | | ■ | ■ |
| PRESSURE REPORT KIT | | - | ■ |



ADAPTORS



ADAPTORS WITH QUICK COUPLING BC 1200/E ES



ADAPTORS WITH QUICK COUPLING BC 1200/E



BC 800/W - ES

Code: BC800/WES

TESTING

WITH PNEUMO-HYDRAULIC MULTIPLIER;
IDEAL FOR PALLETISED HOSE COILS



MAIN FEATURES



Touch-screen
electronic control



Internal lighting



Shock-proof
testing windows



Temperature warning signal



USB connection
configuration



PDF files printing

TECHNICAL DATA

| | |
|-----------------------------|-------------------------------|
| STATIC PRESSURE | 800 Bar (11600 Psi) |
| IMPULSE PRESSURE | 800 Bar (11600 Psi) |
| MIN. STARTING PRESSURE | 30 Bar (435 Psi) |
| PRESSURE CONTROL | Automatic |
| TEST | Semi-automatic |
| TYPE OF DRIVE | Pneumatic Intensifier |
| TESTING LIQUID | Fluid |
| N° MANIFOLDS | 2 |
| N° CONNECTIONS PER MANIFOLD | 1 x 1/2" BSP |
| SAE MANIFOLD CONNECTIONS | 1 x 2" 6000 PSI |
| LIQUID FILLING | Semi-automatic |
| FILLING FLOW | 25 Lt./min. (6.5 US gal/min.) |
| PRESSURE PUMP FLOW | 10.5 Lt./min. (3 US gal/min.) |
| HOSE EMPTING SYSTEM | Semi-automatic |
| PRESSURE DISCHARGE | Automatic |
| MECHANICAL SAFETY DEVICE | Automatic |
| ELECTRIC SAFETY DEVICE | Automatic |
| STANDARD CHAMBER DIMENSIONS | 74.8"x59"x28.3" |
| BENCH DIMENSIONS | 103.1"x70"x60.2" |
| TANK | 250 Lt. (66 US gal) |
| WEIGHT WITHOUT OIL | 2127 Lbs |
| STANDARD VOLTAGE | Any 60HZ 3PH |

INCLUDED ACCESSORIES

SUCTION FILTER

DELIVERY FILTER

INTERNAL OIL PROTECTING MESH

PRESSURE PEAK MEMORY

LEVEL WARNING SIGNAL

OPTIONAL

ADAPTORS



PC CONNECTION



INDUSTRY 4.0 KIT

4.0

CHAMBER AND COMPONENTS ALSO AVAILABLE IN STAINLESS
STEEL FOR WATER TESTS

Product specifications could be modified without prior notice.

BC 1500 E/WATER

Code: BC1500E/WATER

TESTING

PROVIDED WITH ONE Ø 1/4" GAS QUICK COUPLING AND PNEUMO-HYDRAULIC PUMP



MAIN FEATURES



Manually operated



Shock-proof testing windows



Water tests

| TECHNICAL DATA | |
|-----------------------------|--------------------------------|
| STATIC PRESSURE | 1500 Bar (21756 Psi) |
| MIN. STARTING PRESSURE | 70 Bar (1015 Psi) |
| PRESSURE CONTROL | Manual |
| TEST | Manual |
| TYPE OF DRIVE | Pneumatic intensifier |
| TESTING LIQUID | Water |
| N° MANIFOLDS | 1 |
| LIQUID FILLING | Manual |
| FILLING FLOW | 1.55 Lt/Min. (0.4 US gal/min.) |
| PRESSURE PUMP FLOW | 1.55 Lt/Min. (0.4 US gal/min.) |
| PRESSURE DISCHARGE | Manual |
| STANDARD CHAMBER DIMENSIONS | 78.7"x33.3" |
| BENCH DIMENSIONS | 92.5"x39.3"x46" |
| WEIGHT WITHOUT WATER | 423 Lbs |
| PRESSURE GAUGE | Analogic |

| INCLUDED ACCESSORIES |
|--|
| DELIVERY FILTER |
| OPTIONAL |
| ADAPTORS: 3/8" - 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2" |
| PRESSURE REPORT KIT |

CHAMBER AND COMPONENTS MADE IN STAINLESS STEEL



BC 1200 ECO and BC 1200 ECO WATER

Code: BC1200ECO - BC1200ECO/WATER

TESTING

PROVIDED WITH ONE Ø 1/4" GAS QUICK COUPLING AND PNEUMO-HYDRAULIC PUMP



WATER VERSION WITH CHAMBER AND COMPONENTS IN STAINLESS STEEL

MAIN FEATURES



Manually operated



Not suitable for burst test



Shock-proof testing windows



Water tests

BC 1200ECO/WATER

TECHNICAL DATA

| TECHNICAL DATA | |
|--|--------------------------------|
| STATIC PRESSURE | 1200 Bar (17400 Psi) |
| MIN. STARTING PRESSURE | 70 Bar (1015 Psi) |
| PRESSURE CONTROL | Manual |
| TEST | Manual |
| TYPE OF DRIVE | Pneumatic Intensifier |
| TESTING LIQUID | Fluid or water |
| N° MANIFOLDS | 1 |
| N° CONNECTIONS PER MANIFOLD | Special Quick Connection |
| LIQUID FILLING | Manual |
| PRESSURE PUMP FLOW | 0.3 Lt./min. (0.08 US gal/min) |
| PRESSURE DISCHARGE | Manual |
| STANDARD CHAMBER DIMENSIONS | 47.2"x21.6"x9.8" |
| BENCH DIMENSIONS | 59"x23.6"x47.2" |
| TANK | 30 Lt. (8 US gal) |
| WEIGHT WITHOUT OIL (BC 1200 ECO) | 364 Lbs |
| WEIGHT WITHOUT WATER (BC 1200 ECO WATER) | 286 Lbs |
| PRESSURE GAUGE | Analogic |

INCLUDED ACCESSORIES

| INCLUDED ACCESSORIES |
|---|
| SUCTION FILTER |
| DELIVERY FILTER |
| INTERNAL OIL PROTECTING MESH |
| ADAPTOR WITH QUICK COUPLING 1/4" |
| OPTIONAL |
| ADAPTOR: 3/8" - 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2" |
| PRESSURE REPORT KIT |



ADAPTORS



ADAPTOR WITH QUICK COUPLING



BC 1200 ES/F

Code: BC1200ES/F

TESTING

PROVIDED WITH QUICK COUPLINGS AND A HIGH NUMBER OF NIPPLE THREADS AND HOLES FOR SAE FLANGES



PLATFORM FOR TESTING HOSE COILS ON PALLET



FLEXIBLE CONFIGURATION OF THE MOBILE MANIFOLD

MAIN FEATURES



Touch-screen electronic control



Internal lighting



Shock-proof testing windows



Sliding manifolds



Temperature warning signal



Automatic door opening



USB connection configuration



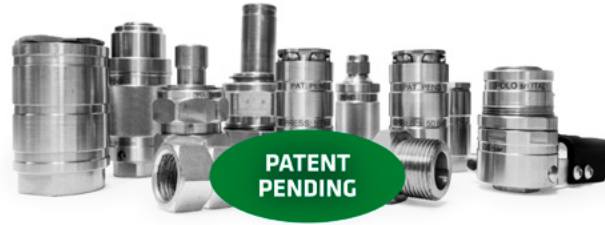
PDF files printing

| TECHNICAL DATA | |
|-----------------------------|--------------------------------|
| STATIC PRESSURE | 1200 bar (17400 Psi) |
| IMPULSE PRESSURE | 1200 bar (17400 Psi) |
| MIN. STARTING PRESSURE | 30 Bar (435 Psi) |
| PRESSURE CONTROL | Automatic |
| TEST | Automatic |
| TYPE OF DRIVE | Pneumatic Intensifier |
| TESTING LIQUID | Fluid |
| N° MANIFOLDS | 2 |
| N° CONNECTIONS PER MANIFOLD | 1 |
| LIQUID FILLING | Automatic |
| FILLING FLOW | 25 Lt./min. (6.5 US gal/min) |
| PRESSURE PUMP FLOW | 1.55 Lt./min. (0.4 US gal/min) |
| HOSE EMPTYING SYSTEM | Automatic |
| PRESSURE DISCHARGE | Automatic |
| DOOR ELECTRIC SAFETY DEVICE | Automatic |
| PRESSURE DISPLAY | Digital |
| STANDARD CHAMBER DIMENSIONS | 157.4"x50.7"x35" |
| BENCH DIMENSIONS | 161.4"x55.1"x80.7" |
| AIR CONSUMPTION | 1500 Lt./min. (396 US gal/min) |
| TANK | 150 Lt. (39 US gal) |
| STANDARD VOLTAGE | Any 60HZ 3PH |
| WEIGHT WITHOUT OIL | 3589 Lbs |

| INCLUDED ACCESSORIES | |
|------------------------------|------------|
| SUCTION FILTER | |
| DELIVERY FILTER | |
| INTERNAL OIL PROTECTING MESH | |
| SHELVES FOR TOOLS | |
| PRESSURE PEAK MEMORY | |
| LEVEL WARNING SIGNAL | |
| OPTIONAL | |
| PRESSURE CONTROL | |
| ADAPTORS | |
| WASHING DEVICE | |
| PC CONNECTION | |
| INDUSTRY 4.0 KIT | 4.0 |

Product specifications could be modified without prior notice.

POLO quick connectors



POLO patent pending quick connectors are perfect for the functional testing of circuits and components that end with an internal or external thread, shaped elements, collar, flange or smooth pipe. They guarantee maximum reliability, security and convenience for the operator as well as relevant time reduction in testing. Polo connectors undergo specific testing procedures and, on demand, can be accompanied by reports issued by accredited laboratories. The connectors are completely customizable and can be provided in nonstandard measures on specific customer request.



www.op-mobile.it



O+P's **Mobile Hose Workshop** is a fully equipped container for the hose assembly. This innovative solution finds its perfect application in building sites, the construction industry and all those situations requiring an assistance centre always close at hand.

This mobile unit is complete with:

1. Crimping machine
2. Cutting machine
3. Skiving machine
4. Hose reel holders
5. Shelves for fittings
6. Work bench with vice
7. Compressor and air system
8. Air conditioner/Heating
9. Electrical system/Lighting system
10. Inner coating with insulated surface
11. Non-slip floor
12. Tools holder



All the equipment supplied with our Mobile Hose Workshop can be customized according to our customers' requests.

Product specifications could be modified without prior notice.



ENJOY THE **DIFFERENCE**

Rigid Tube Assembly Equipment

Proper operation and life of hydraulic systems components not only depend on the quality of these components, but also on the assembly of the system and the quality of the machining process through which the tubes were manufactured before being assembled.

O+P's wide range of products includes a complete line of equipment purposely developed for processing rigid tubes for hydraulic systems, ensuring proper assembly for the user.

Accurate preassembly of the fitting cutting ring and 90° or 37° flaring of the steel tube are paramount to the safety of any system using DIN 2353 and SAE J 514 fittings joints.

Erroneous assembly of the cutting ring and inaccurate flaring of the tube might jeopardise the system and, in extreme cases, cause injury to both the system and the operators.

To avoid this, O+P proposes various **UNISPEED** series equipment models. They are easy to use and handle, comfortably portable even on site to facilitate service men and mobile assistance centre operations; they have a wide range of tools capable of machining carbon steel and stainless steel tubes ranging between Ø 1/4" and 1" 1/2, with a maximum thickness of 0.15".

In addition, O+P products include practical **BENDING MACHINES**, easy to use and service, ideal for bending stainless steel and carbon steel tubes with a maximum diameter of 1.9".

Last but not least, after cutting, deburring operations to remove metallic burrs which could find their way into the system damaging pumps, valves, seals and other components are extremely important to grant the efficiency and durability of the system. Our **DEBURRING MACHINES** ensure proper removal of burrs leaving the tube edges clean and smooth.

Lastly, O+P also offers **MULTI-FUNCTIONAL AND MOBILE UNITS**, namely CENTER MAXI, CENTER JUNIOR AND MINI CENTER, which allow to carry out all operations required to process rigid tubes using only one machine, resulting in considerable time and costs savings.



CENTER MAXI

Code: CENTERMAXI

MULTIFUNCTIONAL UNITS



DOUBLE WORKING LEVEL:
UPPER LEVEL FOR BENDS UP
TO 180°, LOWER LEVEL
FOR STANDARD TUBES

CENTER JUNIOR

Code: CENJUUSFL

MULTIFUNCTIONAL UNITS



MINI CENTER

Code: CENECO

MULTIFUNCTIONAL UNITS



MAIN FEATURES



Bending



37° flaring



Deburring



DIN2353 rings
preassembling



Cutting



Electronic control



Ideal for volume
production



Equipped
with wheels



Equipped with
compressor for the
internal cleaning



Safety protections

CENTER MAXI
CENTER JUNIOR

CENTER MAXI

CENTER MAXI

CENTER JUNIOR

| TECHNICAL DATA | | | |
|-----------------------------|---|----------------------------------|--------------------------------|
| | CENTER MAXI | CENTER JUNIOR | MINI CENTER |
| 24° PREASSEMBLY | 6 → 42x4 mm on upper level | 6 → 42x4 mm | 6 → 42x4 mm |
| 37° FLARING | 1/4" → 1" 1/2 x 0.15" on upper level | 1/4" → 1" 1/2 x 0.15" | 1/4" → 1" 1/2 x 0.15" |
| BENDING Ø (GENERAL TUBE) | ■ 1/4" → 1" 1/2 | ■ 1/4" → 1" 1/2 x 0.15" | 1/4" → 1" 1/2 x 0.15" |
| BENDING Ø (AISI 316 TI) | 1" 1/4 x 0.15" 1" 1/2 x 0.12" | - | - |
| BENDING Ø (ST 37.4) | 1" 1/4 x 0.20" 1" 1/2 x 0.12" | - | - |
| MAX BENDING ANGLE | 180° | - | - |
| 90° BENDING TIME | 6 Sec. | - | - |
| CUTTING (OD) | MAX Ø 4.9" | MAX Ø 3.9" | - |
| INT/EXT DEBURRING | 6 - 42 mm (1/4" → 1" 1/2) | 6 - 42 mm (1/4" → 1" 1/2) | 6 - 42 mm (1/4" → 1" 1/2) |
| MATERIALS | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 |
| ELECTRONIC CONTROL | Touch Screen | - | - |
| DIMENSIONS LxWxH | 55.1"x31.4"x59" | 59.6"x39.3"x47.6" | 28.3"x36.2"x50.9" |
| WEIGHT WITHOUT OIL | 882 Lbs | 672 Lbs | 454 Lbs |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 1PH | Any 60HZ 1PH |
| MOTOR POWER | MAX 4.5 Kw (6 Hp) | MAX 4.6 Kw (6.2 Hp) | MAX 1.7 Kw (2.3 Hp) |
| COMPRESSED AIR | - | 220 Lt./Min. (58 US gal/Min.) | - |
| OIL | 15 Lt. (4 US gal) not included | 5 Lt. (1 US gal) not included | 3 Lt. (0.8 US gal) included |

■ With special tool Ø 5 mm upon request
Special equipment with different bending radius are available upon request

| OPTIONAL | | | | |
|-------------------------|--|----------|-------|-------|
| | | C. M. | C. J. | M. C. |
| PEDAL FOR C50 ES | | ■ | - | - |
| PEDAL FOR USFL 24/37 ES | | ■ | - | - |
| TOOL HOLDER | | included | ■ | ■ |

EQUIPMENT SUITABLE TO PROCESS RIGID TUBES
IN STAINLESS (AISI 316 TI) AND CARBON (ST 37.4) STEEL

Product specifications could be modified without prior notice.

C50 ES

Code: CURVC50ES

BENDING



C50 EL

Code: CURVC50EL

BENDING



QUICK TOOLS
CHANGE SYSTEM WITHOUT
ANY ADDITIONAL SETTINGS

C22 EL

Code: CURVC22EL

BENDING



MAIN FEATURES



Electronic control

C50 ES



Ideal for volume production



Electro-mechanical control

C50 EL
C22 EL



Graduated protractor for
bending angle adjustment

C50 EL
C22 EL



Warning LED to signal anomalies
and settings adjustments

C50 EL
C22 EL

| TECHNICAL DATA | | | |
|---------------------------------|----------------------------------|----------------------------------|---------------------|
| | C50 ES | C50 EL | C22 EL |
| BENDING Ø (GENERAL TUBE) | ■ 1/4"→1"1/2" | ■ 1/4"→1"1/2" | 1/4"→7/8" |
| BENDING Ø (AISI 316 TI) | 1" 1/4 x 0.15" 1" 1/2 x 0.12" | 1" 1/4 x 0.15" 1" 1/2 x 0.12" | 1/4"→7/8" x 0.08" |
| BENDING Ø (ST 37.4) | 1" 1/4 x 0.20" 1" 1/2 x 0.12" | 1" 1/4 x 0.20" 1" 1/2 x 0.12" | 1/4" → 7/8" x 0.12" |
| MAX BENDING ANGLE | 180° | 180° | 180° |
| 90° BENDING TIME | 6 Sec. | 6 Sec. | 5 Sec. |
| DIMENSIONS LxWxH | 24.4"x29.1"x37.4" | 29"x17.9"x37" | 28.3"x17"x36.2" |
| WEIGHT | 385 Lbs | 364 Lbs | 231 Lbs |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH |
| MOTOR POWER | 1.5 Kw (2 Hp) | 1.5 Kw (2 Hp) | 0.55Kw (0.75Hp) |

| OPTIONAL | | | | |
|----------------------------|--|--------|--------|--------|
| | | C50 ES | C50 EL | C22 EL |
| PEDAL | | ■ | ■ | ■ |
| TUBE DRIVING SYSTEM | | ■ | - | - |

**EQUIPMENT SUITABLE TO PROCESS RIGID TUBES
IN STAINLESS (AISI 316 TI) AND CARBON (ST 37.4) STEEL**



C50 ES
TUBE DRIVING SYSTEM

Product specifications could be modified without prior notice.

■ With special tool Ø 5 mm upon request
Special equipment with different bending radius are available upon request

C42
Code: CURVC42

BENDING



CMS42
Code: CURCMS42

BENDING

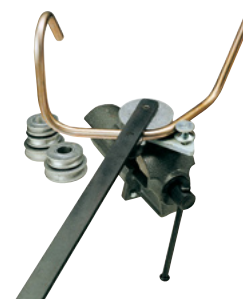
MOUNTED ON
TOOL-HOLDER CABINET



M18
Code: CURVM18

BENDING

SUITABLE TO BE FIXED
TO ANY VICE



MAIN FEATURES



Ideal for volume production

C42



Electric limit switch

C42



Double effect manual pump

CMS42



Equipped with wheels

C42



Manually operated

CMS42
M18

| TECHNICAL DATA | | | |
|---------------------------|-------------------------------|-----------------------|-----------------------|
| | C42 | CMS42 | M18 |
| BENDING | 1/4" → 1" 1/2 x 0.15" | 1/4" → 1" 1/2 x 0.15" | 1/4" → 5/8" |
| MATERIALS | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 |
| DIMENSIONS LxWxH | 26.7"x34.6"x35.8" | 16.5"x30.7"x38.5" | 28.3"x5.1"x4.9" |
| WEIGHT WITHOUT OIL | 225 Lbs | 90 Lbs | 22 Lbs |
| OIL | 5 Lt. (1 US gal) not included | included | - |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | - | - |
| MOTOR POWER | 1.1 Kw (1.5 Hp) | - | - |

| INCLUDED ACCESSORIES | | | | |
|--------------------------------------|--|-----|-------|-----|
| | | C42 | CMS42 | M18 |
| MECHANICAL LIMIT SWITCH | | - | ■ | - |
| BENDING TOOLS AND TOOL HOLDER | | - | - | ■ |
| VICE FIXING PIN | | - | - | ■ |

EQUIPMENT SUITABLE TO PROCESS RIGID TUBES IN STAINLESS (AISI 316 TI) AND CARBON (ST 37.4) STEEL

| MAX THICKNESS | |
|---------------|------|
| C42 | |
| 4 mm | Ø 38 |
| 3 mm | Ø 42 |

| Ø | M18 | | | | | | | |
|------------------------------|------|------|----|----|----|------|------|----|
| | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 |
| MEDIUM BENDING RADIUS | 33.5 | 33.5 | 36 | 36 | 36 | 43.5 | 43.5 | 51 |

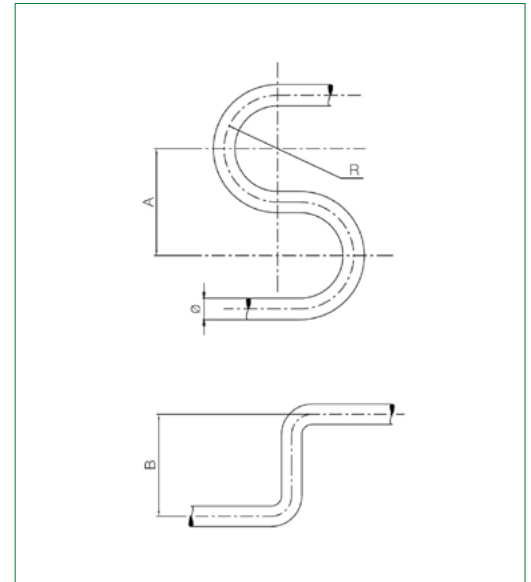
BENDING TOOLS

STANDARD BENDING TOOLS C42 - CMS42 - CENTER JUNIOR - MINICENTER

| Ø | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 22 | 25 | 28 | 30 | 32 | 35 | 38 | 42 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| MEDIUM BENDING RADIUS | 15 | 16.5 | 27.5 | 32.5 | 46 | 46 | 48 | 48 | 66 | 66 | 81.5 | 81 | 98.5 | 101 | 125.5 | 116 | 126 |
| MAX BENDING ANGLE | 170° | 170° | 170° | 170° | 170° | 170° | 170° | 170° | 160° | 160° | 160° | 160° | 150° | 150° | 120° | 120° | 120° |
| A (mm) | 60 | 60 | 70 | 80 | 110 | 110 | 110 | 110 | 140 | 140 | 170 | 180 | 220 | 220 | 250 | 250 | 250 |
| B (mm) | 70 | 70 | 115 | 120 | 180 | 180 | 180 | 190 | 230 | 240 | 270 | 300 | 300 | 300 | 440 | 440 | 440 |

GAS BENDING TOOLS C42 - CMS42 - CENTER JUNIOR - MINICENTER

| Ø | 1/8"G | 1/4"G | 3/8"G | 1/2"G | 5/8"G | 3/4"G | 1"G | 1"1/4G |
|-----------------------|-------|-------|-------|-------|-------|--------|--------|--------|
| MEDIUM BENDING RADIUS | 1.08" | 1.81" | 1.88" | 2.6" | 2.6" | 3.18" | 4.94" | 4.96" |
| MAX BENDING ANGLE | 170° | 170° | 170° | 160° | 160° | 160° | 120° | 120° |
| A | 2.76" | 4.33" | 4.33" | 5.51" | 5.51" | 7.09" | 9.84" | 9.84" |
| B | 4.53" | 7.09" | 7.09" | 9.45" | 9.45" | 11.81" | 17.32" | 17.32" |



WHITWORTH BENDING TOOLS C42 - CMS42 - CENTER JUNIOR - MINICENTER

| Ø | 1/4"W | 3/8"W | 1/2"W | 5/8"W | 3/4"W | 1"W | 1"1/4W | 1"1/2W |
|-----------------------|-------|-------|-------|-------|-------|--------|--------|--------|
| MEDIUM BENDING RADIUS | 0.65" | 1.08" | 1.28" | 1.88" | 1.88" | 3.20" | 3.97" | 4.56" |
| MAX BENDING ANGLE | 170° | 170° | 170° | 170° | 170° | 160° | 150° | 120° |
| A (mm) | 2.36" | 2.76" | 3.15" | 4.33" | 4.33" | 6.69" | 8.66" | 9.84" |
| B (mm) | 2.76" | 4.53" | 4.72" | 7.09" | 7.09" | 10.63" | 11.81" | 17.32" |

STANDARD BENDING TOOLS C50 - C22 - CENTER MAXI

| Ø | Bending tools for C22 | | | | | | | | Bending tools for C50 and Center Maxi | | | | | | | | | |
|-----------------------|-----------------------|------|------|------|------|------|------|------|---------------------------------------|------|------|------|------|------|------|------|------|------|
| | 6 | 8 | 10 | 12 | 14 | 15 | 16 | 18 | 20 | 22 | 25 | 28 | 30 | 32 | 35 | 38 | 42 | 50 |
| MEDIUM BENDING RADIUS | 20 | 22 | 25 | 25 | 35 | 35 | 40 | 40 | 50 | 50 | 65 | 75 | 90 | 90 | 95 | 95 | 115 | 135 |
| MAX BENDING ANGLE | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° |

GAS BENDING TOOLS C50 - C22 - CENTER MAXI

| Ø | 1/2"G | 3/4"G | 1"G | 1"1/4G | 1"1/2G |
|-----------------------|-------|-------|-------|--------|--------|
| MEDIUM BENDING RADIUS | 1.97" | 2.55" | 3.54" | 4.52" | 5.31" |
| MAX BENDING ANGLE | 180° | 180° | 180° | 180° | 180° |

WHITWORTH BENDING TOOLS C50 - C22 - CENTER MAXI

| Ø | 1/4"W | 5/16"W | 3/8"W | 1/2"W | 5/8"W | 3/4"W | 7/8"W | 1"W | 1"1/4W | 1"1/2W |
|-----------------------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|
| MEDIUM BENDING RADIUS | 0.78" | 0.86" | 1" | 1" | 1.57" | 1.97" | 1.97" | 2.55" | 3.54" | 3.74" |
| MAX BENDING ANGLE | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° | 180° |

UNISPEED USFL 90/37 ES

Code: UNISUSFL9037ES

FLARING

POSSIBILITY TO RECALL
PREVIOUSLY SET RECIPES



UNISPEED USFL 90/37 ECO

Code: UNISUSFL9037ECO

FLARING



UNISPEED USFL 90/37 EL 6/90

Code: UNISFL9037EL690

FLARING

UP TO 90 MM OD



MAIN FEATURES



Touch-screen
electronic control

USFL 90/37 ES



Possibility to obtain
any flaring diameter
and thickness

USFL 90/37 ES
USFL 90/37 ECO



Ideal for
volume production

USFL 90/37 ES



Automated tools
lubrication system by
means of a dedicated unit

USFL 90/37 ES
USFL 90/37 EL 6/90



Electro-mechanical
control

USFL 90/37 EL 6/90



37° flaring



90° flaring



Equipped with wheels



Front tool-holder
compartment


USFL 90/37 ES

| TECHNICAL DATA | | | |
|---|------------------------|------------------------|------------------------|
| | USFL 90/37 ES | USFL 90/37 ECO | USFL 90/37 EL 6/90 |
| 90° FLARING | 1/4" → 1" 1/4 x 0.20" | 1/4" → 1" 1/4 x 0.20" | 1/4" → 3" 1/2 x 0.20" |
| 37° FLARING | 1/4" → 1" 1/2 x 0.15" | 1/4" → 1" 1/2 x 0.15" | 1/4" → 3" 1/2 x 0.20" |
| MATERIALS | AISI 316 TI - ST 37.4* | AISI 316 TI - ST 37.4* | AISI 316 TI - ST 37.4* |
| WEIGHT WITHOUT OIL | 1422 Lbs | 809 Lbs | 1887 Lbs |
| OIL (NOT INCLUDED) | 50 Lt. (13 US gal) | 3 Lt. (0.8 US gal) | 44 Lt. (11 US gal) |
| DIMENSIONS LxWxH | 38.3"x50.1"x46.2" | 29.9"x32.6"x47.6" | 35.3"x51.4"x51.4" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH | Any 60HZ 3PH |
| MOTOR POWER | Max 5.3 Kw (7.11 Hp) | Max 2.38 Kw (3.25 Hp) | 6.3 Kw (8.5 Hp) |
| PNEUMATIC INPUT (LUBRICATING SYSTEM COMPRESSOR) | 5 Bar (72 Psi) | - | 5 Bar (72 Psi) |

90° FLARING TOOLS:
available for ORFS Parker upon request

37° FLARING TOOLS:
they are supplied according to UNI ISO 8434-2
and DIN 3949 regulations

* Stainless steel different from AISI 316 TI can compromise the quality of the flaring operation and the tools state of conservation.

| OPTIONAL | | | | |
|----------|---|-------------------------------------|--------------------------|--------------------------|
| | | ES | ECO | 6/90 |
| PEDAL |  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



EQUIPMENT SUITABLE TO PROCESS RIGID TUBES
IN STAINLESS (AISI 316 TI) AND CARBON (ST 37.4) STEEL

THESE MACHINES, WHICH REQUIRE ONLY ONE TOOL CHANGE TO
CARRY OUT THE FLARING OPERATIONS, USE A COLD ORBITAL FORMING
PROCESS TO CREATE A FLAT AND SMOOTH SEALING SURFACE AT 90° AND
37° WITH A SUITABLE RUGOSITY FOR THE O-RING SEAL.

Product specifications could be modified without prior notice.

UNISPEED USFL 90/37 ES 6/28

Code: UNISFL9037ES628

FLARING

POSSIBILITY TO RECALL PREVIOUSLY SET RECIPES



UNISPEED USFL 90/37 EL 6/28

Code: UNISFL9037EL628

FLARING



MAIN FEATURES



Touch-screen electronic control

USFL 90/37 ES 6/28



Possibility to obtain any flaring diameter and thickness

USFL 90/37 ES 6/28



Ideal for volume production



Automated tools lubrication system by means of a dedicated unit

USFL 90/37 EL 6/28



Electro-mechanical control



37° flaring



90° flaring



Equipped with wheels



Front tool-holder compartment



Ideal for the automotive industry

| | TECHNICAL DATA | |
|---|---------------------|---------------------|
| | 90/37 ES 6/28 | 90/37 EL 6/28 |
| 90° FLARING CARBON STEEL 37.4 | 1/4"-1" x 0.1" | 1/4"-1" x 0.1" |
| 90° FLARING STAINLESS STEEL AISI 316 TI | 1/4"-5/8" x 0.1** | 1/4"-5/8" x 0.1** |
| 37° FLARING CARBON STEEL 37.4 | 1/4"-1" x 0.1" | 1/4"-1" x 0.1" |
| 37° FLARING STAINLESS STEEL AISI 316 TI | 1/4"-5/8" x 0.1** | 1/4"-5/8" x 0.1** |
| WEIGHT | 1089 Lbs | 1084 Lbs |
| DIMENSIONS LxWxH | 27.9"x37.2"x56.3" | 30"x35.2"x56.3" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH |
| MOTOR POWER | 3.25 Kw (4.35 Hp) | 3.25 Kw (4.35 Hp) |
| PNEUMATIC INPUT (LUBRICATING SYSTEM COMPRESSOR) | 5 Bar (72 Psi) | 5 Bar (72 Psi) |

| | OPTIONAL | | |
|-------|---|--------------------------|--------------------------|
| | | 90/37 ES 6/28 | 90/37 EL 6/28 |
| PEDAL |  | <input type="checkbox"/> | <input type="checkbox"/> |



UNISPEED USFL 90/37 EL 6/28
CONTROL PANEL



UNISPEED USFL 90/37 EL 6/28
RIGHT SIDE OPENING



EQUIPMENT SUITABLE TO PROCESS RIGID TUBES
IN STAINLESS (AISI 316 TI) AND CARBON (ST 37.4) STEEL

THESE MACHINES, WHICH REQUIRE ONLY ONE TOOL CHANGE TO CARRY OUT THE FLARING OPERATIONS, USE A COLD ORBITAL FORMING PROCESS TO CREATE A FLAT AND SMOOTH SEALING SURFACE AT 90° AND 37° WITH A SUITABLE RUGOSITY FOR THE O-RING SEAL. THE INNOVATIVE CLAMPING SYSTEM ENABLES TO PROCESS STRAIGHT AND OF REDUCED DIMENSIONS RIGID TUBES, SO THESE MACHINES ARE THE IDEAL SOLUTION FOR TUBES WITH BENDS UP TO 180° WITH A TIGHT RADIUS, SUCH AS SHAPED RIGID TUBES, STEEL AND HOSE COMBINED CONNECTIONS, ETC.

Product specifications could be modified without prior notice.

90° FLARING TOOLS:
available for ORFS Parker upon request

37° FLARING TOOLS:
they are supplied according to UNI ISO 8434-2
and DIN 3949 regulations

* Stainless steel different from AISI 316 TI can compromise the quality of the flaring operation and the tools state of conservation.

UNISPEED USFL 24/37 ES

Code: UNISUSFL2437ES

FLARING & PREASSEMBLY



UNISPEED USFL 24/37 ES 6/18

Code: UNISFL2437ES618

FLARING & PREASSEMBLY



UNISPEED USFL/01 ES

Code: UNISUSFLES

FLARING & PREASSEMBLY



MAIN FEATURES



DIN2353 rings preassembly



37° flaring



Touch-screen electronic control



Ideal for volume production



Equipped with wheels



Automatic tools identification system



Front tool-holder compartment

USFL01/ES

TECHNICAL DATA

| | USFL 24/37 ES | USFL 24/37 ES 6/18 | USFL/01 ES |
|---------------------------|-----------------------|-----------------------|-----------------------|
| 24° PREASSEMBLY | 6→42x4 mm | 6→18x2 mm | 6→42x4 mm |
| 37° FLARING | 1/4"→ 1" 1/2 x 0.15" | 1/4" → 5/8" x 0.08" | 1/4" → 1" 1/2 x 0.15" |
| MATERIALS | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 |
| WEIGHT WITHOUT OIL | 330 Lbs | 286 Lbs | 364 Lbs |
| DIMENSIONS LxWxH | 23"x23.6"x45.2" | 29.9"x29.6"x42.3" | 27.2"x22.8"x43.7" |
| STANDARD VOLTAGE | Any 60HZ 3PH | Any 60HZ 3PH | Any 60HZ 3PH |
| MOTOR POWER | 1.5 Kw (2 Hp) | 0.75 Kw (1 Hp) | 1.8 Kw (2.5 Hp) |
| OIL (NOT INCLUDED) | 15 Lt. (4 US gal) | 13 Lt. (3.5 US gal) | 20 Lt. (5 US gal) |

OPTIONAL

| | | 24/37 ES | 24/37 ES 6/18 | 01 ES |
|---------------------------|--|----------|---------------|-------|
| ELECTRIC PEDAL | | ■ | ■ | ■ |
| 37° FLARING BLOCK | | ■ | - | ■ |
| 37° FLARING BLOCK | | ■ | ■ | - |
| TOOL HOLDER (6→42) | | ■ | - | ■ |
| TOOL HOLDER (6→18) | | ■ | ■ | - |

USFL 24/37 ES
EQUIPPED WITH A DOUBLE WORKING LEVEL:
UPPER LEVEL FOR BENDS UP TO 180°,
LOWER LEVEL FOR STANDARD TUBES

USFL 24/37 ES 6/18
SUITABLE FOR TUBES WITH EXTREME BENDS
UP TO 180° (SHAPED RIGID TUBES,
STEEL AND HOSE COMBINED CONNECTIONS)

USFL/01 ES
AUTOMATIC TOOL IDENTIFICATION SYSTEM
AND AUTOMATED PRESSURE SETTING,
POSSIBILITY TO MANUALLY STORE RECIPES AND RECALL
THEM AUTOMATICALLY, THANKS TO AUTOMATIC
TOOLS IDENTIFICATION



37° FLARING TOOLS:
they are supplied according to UNI ISO 8434-2 and DIN 3949 regulations

**EQUIPMENT SUITABLE TO PROCESS RIGID TUBES
IN STAINLESS (AISI 316 TI) AND CARBON (ST 37.4) STEEL**

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UNISPEED USFL/01

Code: UNISUSFL

FLARING & PREASSEMBLY



UNISPEED USFL/01 MAN

Code: USFLMAN

FLARING & PREASSEMBLY



UNISPEED USFL 015 MAN

Code: USFL015MAN

PREASSEMBLY

SUITABLE TO BE FIXED TO ANY VICE AND FOR LL, L, S SERIES TOOLS AND FOR TUBES WITH EXTERNAL Ø 6-15 MM.



MAIN FEATURES



DIN2353 rings preassembly



37° flaring with the addition of a dedicated steel flaring block



Also available in 12V



Manual pressure adjustment



Ideal for on-site service



Manually operated

USFL/01
USFLMAN

USFL/01

USFL/01

USFLMAN
USFL015MAN

TECHNICAL DATA

| | USFL/01 | USFL/01 MAN | USFL 015 MAN |
|------------------|-----------------------|-----------------------|-----------------------|
| 24° PREASSEMBLY | 6→42x4 mm | 6→42x4 mm | 6S - 15L |
| 37° FLARING | 1/4 → 1" 1/2 x 0.15" | 1/4 → 1" 1/2 x 0.15" | - |
| MATERIALS | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 |
| WEIGHT | 132 Lbs | 84 Lbs | 26 Lbs |
| DIMENSIONS LxWxH | 17.7"x24.8"x10.6" | 13.7"x15.7"x10.6" | 11.2"x4.1"x4.1" |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | - | - |
| MOTOR POWER | 0.75 Kw (1 Hp) | - | - |
| LEVER LENGTH | - | - | 31.4" |

OPTIONAL

| | | 01 | 01 MAN | 015 MAN |
|--------------------|--|----|--------|---------|
| 37° FLARING BLOCK | | ■ | ■ | - |
| TOOL HOLDER (6→42) | | ■ | ■ | - |

EQUIPMENT SUITABLE TO PROCESS RIGID TUBES IN STAINLESS (AISI 316 TI) AND CARBON (ST 37.4) STEEL

USFL/01 AND USFLMAN: 37° FLARING TOOLS SUPPLIED ACCORDING TO UNI ISO 8434-2 AND DIN 3949 REGULATIONS

MANUAL PREASSEMBLING TOOL

Manual preassembling tool (6→42 mm)



TEMPLATE FOR PREASSEMBLING TOOL CONTROL

Template for preassembling tool control (6→42 mm)



Product specifications could be modified without prior notice.

S02
Code: SBAVS02

DEBURRING



S01
Code: SBAVOP2

DEBURRING



MAIN FEATURES



Internal deburring



External deburring



Equipped with wheels

S02

| TECHNICAL DATA | | |
|--------------------|-----------------------------------|--------------------------|
| | S02 | S01 |
| INTERNAL DEBURRING | 20x2 → 75 mm 0.7"x0.08" → 2.9" | 6 → 42 mm 0.2" → 1.6" |
| EXTERNAL DEBURRING | 22 → 75 mm 0.8" → 2.9" | 6 → 42 mm 0.2" → 1.6" |
| MATERIALS | AISI 316 TI - ST 37.4 | AISI 316 TI - ST 37.4 |
| WEIGHT | 140 Lbs | 66 Lbs |
| STANDARD VOLTAGE | Any 60HZ 3PH/1PH | Any 60HZ 3PH/1PH |
| MOTOR POWER | 0.37 Kw (0.5 Hp) | 0.18 Kw (0.25 Hp) |
| DIMENSIONS LxWxH | 14.5"x21.6"x42.5" | 15.9"x18.5"x10.6" |
| REVOLUTIONS/MINUTE | 75 | 50 |

| OPTIONAL | | | |
|-----------------------------------|--|--------------------------|----------|
| | | S02 | S01 |
| INT./EXT. DEBURRING TOOL 6-42 mm | | <input type="checkbox"/> | included |
| INT./EXT. DEBURRING TOOL 20-75 mm | | included | - |

**EQUIPMENT SUITABLE TO PROCESS RIGID TUBES
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STANDARD & CERTIFICATIONS



All OP machines conform to the following standards:

• MACHINE DIRECTIVE (2006/42/EC)

Reference standards:

UNI EN ISO 12100-1
UNI EN ISO 13850

Safety of the machine
Safety of the machine
Emergency stop system

• LOW VOLTAGE DIRECTIVE (2006/95/EC)

Reference standard:

EN 60204-1 Safety of the machine
Electric equipment of the machine

• DIRECTIVE ON THE ELECTROMAGNETIC COMPATIBILITY (EMC) (2004/108/EC)

Reference standards:

CEI EN 61000-6-4 Emission
CEI EN 61000-6-2 Immunity

Associated to:



ASSOFLUID

Italian Association of Manufacturing and Trading Companies in Fluid Power Equipment and Components



FEDERTEC

Italian federation of components and mechatronic technologies for fluid power, power transmission, smart control and automation of industrial products and processes.



CONFINDUSTRIA

Main Organization Representing Italian Manufacturing and Services Companies



NAHAD

The Association for Hose and Accessories Distribution



NAHAD HOSE SAFETY INSTITUTE

Institute committed to Hose Assembly Safety, Quality and Reliability

CONTACTS

General and Sales

info@opusainc.com

Service

service@opusainc.com

Logistics

shipping@opusainc.com

Management

giacobone.grazia@op-srl.it

OP AROUND THE WORLD



MAP

HEADQUARTER

OP Srl

Via del Serpente, 97 - 25131 Brescia - Italia

OUR BRANCHES

OP USA Inc

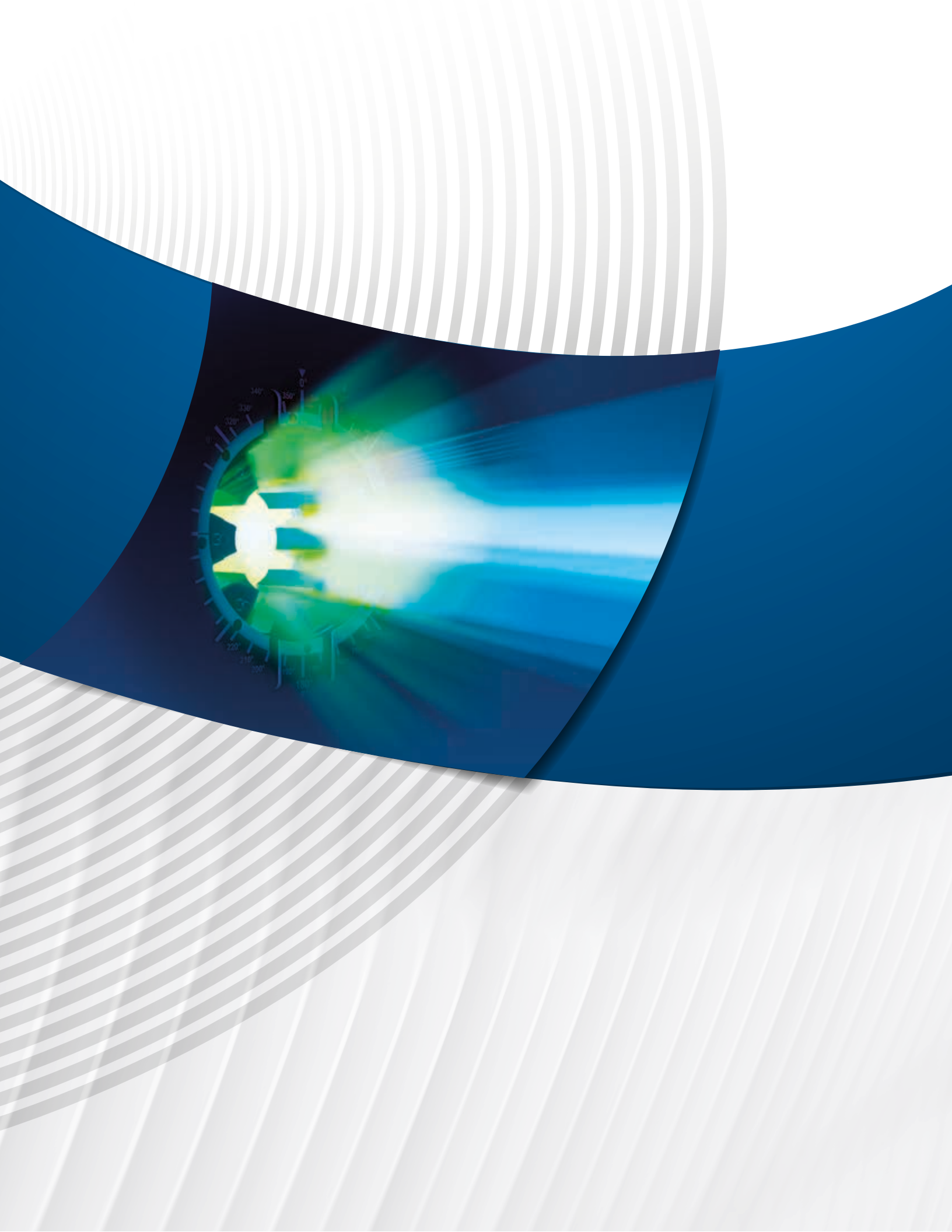
6 Ledge Rock Way, Unit 4, Acton, MA, 01720 - USA
info@opusainc.com
www.opusainc.com

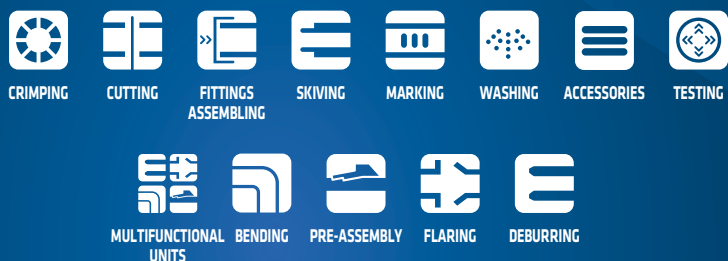
OP (Shanghai) Hydraulic Tubing Processing Equipment Co., Ltd.

Lane 3500 Xiupu Rd, Building A, Pudong, Shanghai PRC - 201315
sales@op-china.com
www.op-china.com

OP India Private Limited

411, DLF Tower B, Jasola District Centre, New Delhi - 110076 - India
sales@op-india.com
www.op-india.com





OP Usa Inc. - 6 Ledge Rock Way, Unit 4 - Acton, MA, 01720 - USA - info@opusainc.com - www.opusainc.com



OP Srl - Headquarters

Via del Serpente, 97 - 25131 - Brescia - Italy
 Phone +39 030 35 80 401 - Fax +39 030 35 80 838
info@op-srl.it - www.op-srl.it



OP (Shanghai) Hydraulic Tubing Processing Equipment Co., Ltd

Lane 3500 Xiupu Rd, Building A, Pudong, Shanghai PRC - 201315
sales@op-china.com - www.op-china.com



OP India Private Limited

411, DLF Tower B, Jasola District Centre, New Delhi - 110076 - India
sales@op-india.com - www.op-india.com