Rivit®

# 2014

MADE IN ITALY

# Tools for Fasteners

edition **12/4**

MeFaCo
INDUSTRIAL FASTENERS AND TOOLS

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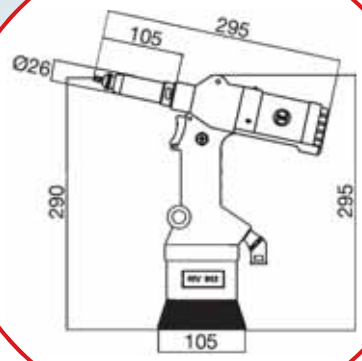
# RIV912 Hydropneumatic tool for rivet nuts from M3 to M12




## Code 3440900

**To place RIVSERT female rivet nuts from M3 to M12 and RIVBOLT male rivet nuts, from M4 to M8.**

In RIV912 one pull is enough to start the automatic stroke. This innovative technical device makes your work quicker and easier, and surely less tiring. Casing structure has been made of aluminium with a plastic cover. **Finally, in order to avoid the use of a special rod, a system has been projected to lodge an allen screw (hardness class 12.9), easy to find on the market and replace.**

RIV912 is supplied in a plastic case without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVSERT/RIVBOLT tables).

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **7.5 lt** |
| Stroke | **1/6.5 mm** |
| Max power (6 bar) | **21000 N** |
| Weight (without kit) | **2.501 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **78.5 dB (A)** |

## Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 912/03 | **3441100** | **3457600** |
| M4 | 912/04 | **3441200** | **3470500** |
| M5 | 912/05 | **3441300** | **3471900** |
| M6 | 912/06 | **3441400** | **3472300** |
| M8 | 912/08 | **3441500** | **3472800** |
| M10 | 912/10 | **3441600** | **3473100** |
| M12 | 912/12 | **3441700** | **3473300** |

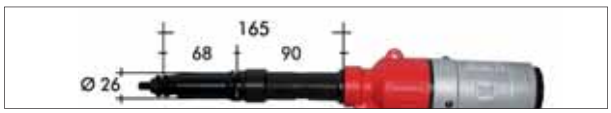
The tie rod is a 12.9 allen screw very easy to change. Screw 12.9 can be ordered separately.

## Spare parts for RIVBOLT

| Ø rivet nut | Kit | Kit code | Code (female tie rod) |
|---|---|---|---|
| M4 | 912/04B | **3442300** | **3441900** |
| M5 | 912/05B | **3442400** | **3442000** |
| M6 | 912/06B | **3442500** | **3442100** |
| M8 | 912/08B | **3442600** | **3442200** |

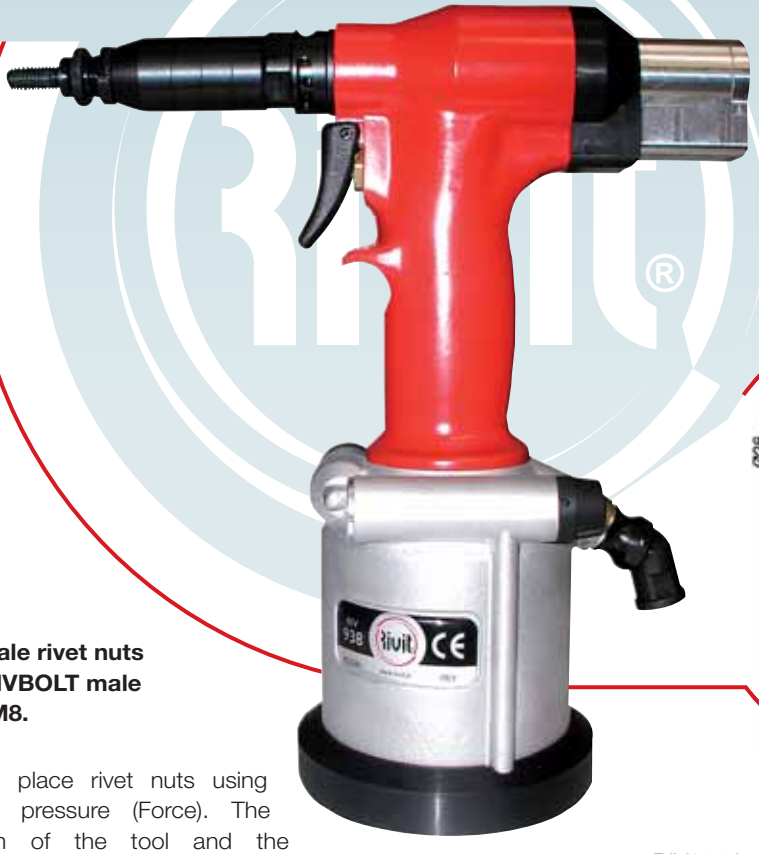
## Optionals

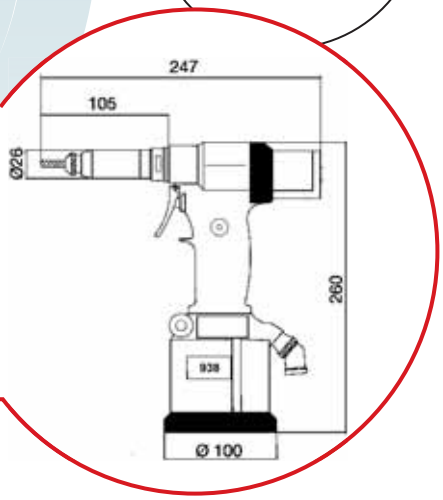
| Description | Code |
|---|---|
| KIT912-Special extended head | **3531800** |



**RIV912MS**
**Code 4307400**
Left rotation version

# RIV938 Hydropneumatic tool for rivet nuts from M3 to M10






OIL PRESSURE ADJUSTMENT.
ONE-POSITION TRIGGER MECHANISM

**Code 4143400**

**To place RIVSERT female rivet nuts from M3 to M10 and RIVBOLT male rivet nuts from M4 to M8.**

RIV938 is designed to place rivet nuts using the adjustment of oil pressure (Force). The hydropneumatic system of the tool and the mechanical parts that make up the internal structure of RIV938, in comparison with other models, provide high reliability in reducing problems due to wear of components, resulting in improved durability and functionality of the tool itself.
**Advantages:** kit assembling with ring nut gear (the key is no more necessary) | tie rods are now commercial screws | one phase trigger mechanism | light weight | easy handling | easy stroke adjustment | the adjustment ring stops against the counter-ring.

## Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 938/03 | **3441100** | **3457600** |
| M4 | 938/04 | **3441200** | **3470500** |
| M5 | 938/05 | **3441300** | **3471900** |
| M6 | 938/06 | **3441400** | **3472300** |
| M8 | 938/08 | **3441500** | **3472800** |
| M10 | 938/10 | **3441600** | **3473100** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

## Spare parts for RIVBOLT

| Ø rivet nut | Kit | Kit code | Code (female tie rod) |
|---|---|---|---|
| M4 | 938/04B | **3442300** | **3441900** |
| M5 | 938/05B | **3442400** | **3442000** |
| M6 | 938/06B | **3442500** | **3442100** |
| M8 | 938/08B | **3442600** | **3442200** |

RIV938 is supplied in a plastic case without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVSERT/RIVBOLT tables).

## Technical data and features

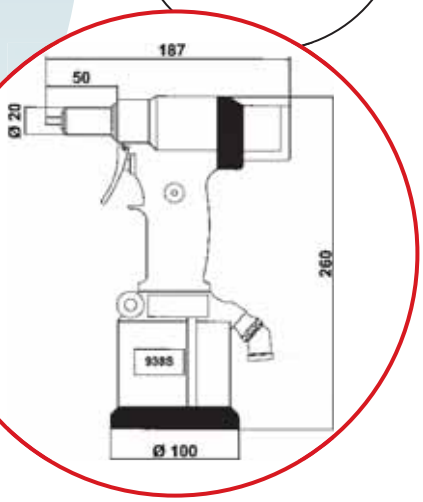
| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **5 lt** |
| Stroke | **6.5 mm** |
| Max power (6 bar) | **19000 N** |
| Weight (without kit) | **2.041 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **76 dB (A)** |

Pressure adjustment.

## Optionals

| Description | Code |
|---|---|
| KIT938-Special extended head | **3531800** |
| Anti-scratch wing protection | **4217600** |

# RIV938S Hydropneumatic tool for rivet nuts from M3 to M6




OIL PRESSURE ADJUSTMENT. ONE-POSITION TRIGGER MECHANISM

**Code 4143500**

**To place rivet nuts from M3 to M6, using the adjustment of the oil pressure (Force).**

The hydropneumatic system of RIV938S and the mechanical parts that make up the internal structure of RIV938S, in comparison with other models, provide high reliability in reducing problems due to wear of components, resulting in improved durability and functionality of the tool itself.
**Advantages:** One-position trigger mechanism | no adjustment is needed when thicknesses change | no damage to the mandrel (or tie rod) is caused when the operation is repeated | low weight | small overall dimensions | great handiness.

RIV938S is supplied in a plastic case without the frontal head kit. Order the proper kit, which is composed by screw + head, according to the fastener to be placed (see below spare parts for RIVSERT table).

## Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 938S/03 | **3758400** | **3756600** |
| M4 | 938S/04 | **3758500** | **3757500** |
| M5 | 938S/05 | **3758600** | **3757900** |
| M6 | 938S/06 | **3758700** | **3758200** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **5 lt** |
| Stroke | **6.5 mm** |
| Max power (6 bar) | **14000 N** |
| Weight (without kit) | **1.868 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **76 dB (A)** |

Pressure adjustment.

## Optionals

| Description | Code |
|---|---|
| Anti-scratch wing protection | **4217600** |

# RIV912CP

## Pedal hydropneumatic tool for rivet nuts from M3 to M12

### Code 4262500

**To place RIVSERT female rivet nuts from M3 to M12 and RIVBOLT male rivet nuts, from M4 to M8.**

The pedal can operate multiple tools simultaneously.

RIV912P is supplied without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVSERT table).

### Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **7.5 lt** |
| Stroke | **1/6.5 mm** |
| Max power (6 bar) | **21000 N** |
| Weight (without kit) | **2.501 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **78.5 dB (A)** |

### Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 912/03 | **3441100** | **3457600** |
| M4 | 912/04 | **3441200** | **3470500** |
| M5 | 912/05 | **3441300** | **3471900** |
| M6 | 912/06 | **3441400** | **3472300** |
| M8 | 912/08 | **3441500** | **3472800** |
| M10 | 912/10 | **3441600** | **3473100** |
| M12 | 912/12 | **3441700** | **3473300** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

# RIV938CP

## Pedal hydropneumatic tool for rivet nuts from M3 to M10

### Code 4262400

**To place RIVSERT female rivet nuts from M3 to M10 and RIVBOLT male rivet nuts from M4 to M8.**

The pedal can operate multiple tools simultaneously.

RIV938P is supplied without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVSERT table).

### Technical data and features

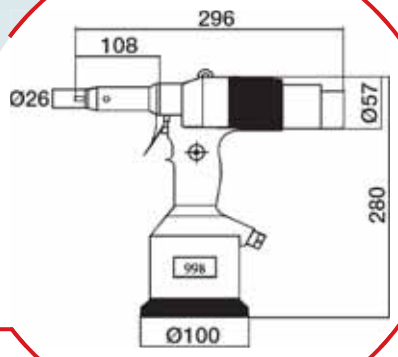
| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **5 lt** |
| Stroke | **6.5 mm** |
| Max power (6 bar) | **19000 N** |
| Weight (without kit) | **2.041 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **76 dB (A)** |

### Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 938/03 | **3441100** | **3457600** |
| M4 | 938/04 | **3441200** | **3470500** |
| M5 | 938/05 | **3441300** | **3471900** |
| M6 | 938/06 | **3441400** | **3472300** |
| M8 | 938/08 | **3441500** | **3472800** |
| M10 | 938/10 | **3441600** | **3473100** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

# RIV998 Hydropneumatic tool for rivet nuts from M3 to M12




## Code 2237000

**To place RIVSERT female rivet nuts in aluminium and steel from M3 to M12 (s/steel till M10) and RIVBOLT male rivet nuts, from M4 to M8.**

The hydropneumatic system and the mechanical components used in the inside structure of the tool, when compared with other models, result to be much more reliable. A tool feature is a reduction of the problems caused by the wear and tear of the components, and, consequently, the tool will last much longer and work better.
The technical solutions adopted reduce the dimensions and the weight of the RIV998, which results to be a very handy tool.

RIV998 is supplied in a plastic case complete with tie rods and heads from M3 to M10 (M12 on request).

## Spare parts for RIVSERT

| Ø rivet nut | Tie rod code | Head code |
|---|---|---|
| M3 | **0327800** | **0328500** |
| M4 | **0327900** | **0328600** |
| M5 | **0328000** | **0328700** |
| M6 | **0328100** | **0328800** |
| M8 | **0328200** | **0328900** |
| M10 | **0328300** | **0329000** |
| *M12 | **0328400** | **0329100** |

* Not included in the standard supply. To be ordered separately.

## Spare parts for RIVBOLT

| Ø rivet nut | Tie rod code | Head code |
|---|---|---|
| M4 | **2560900** | **2561200** |
| M5 | **2561000** | **2561300** |
| M6 | **2561100** | **2561400** |
| M8 | **2583200** | **2700500** |

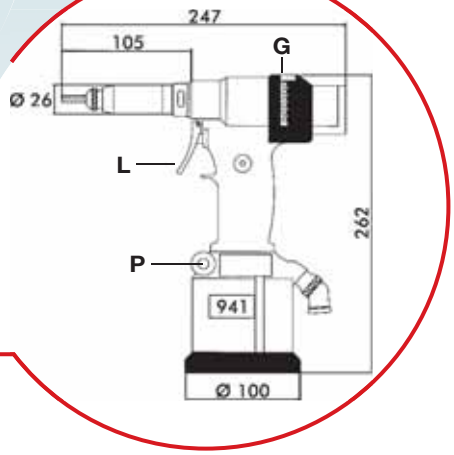
## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **7.5 lt** |
| Stroke | **0/6.5 mm** |
| Max power (6 bar) | **19000 N** |
| Weight | **2.405 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **< 70 dB (A)** |

## Optionals

| Description | Code |
|---|---|
| KIT998-Special extended head | **3531800** |

# RIV941 Hydropneumatic tool for rivet nuts from M3 to M10




TWO SYSTEMS OF ADJUSTMENT IN ONE TOOL (PRESSURE OR STROKE)

**Code 4292300**

**To place RIVSERT female rivet nut, from M3 to M10 and RIVBOLT male rivet nut, from M4 to M8.**

The hydropneumatic system and the mechanical components used in the inside structure of RIV941, when compared with other models, result to be much more reliable. A tool feature is a reduction of the problems caused by the wear and tear of the components, and consequently the tool lasts much longer and works better.
**Advantages:** kit assembling with ring nut gear (the key is no more necessary) | tie rods are now commercial screws | one phase trigger mechanism | light weight | easy handling | easy stroke adjustment | the adjustment ring stops against the counter-ring.

RIV941 is supplied in a plastic case without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVSERT/RIVBOLT tables).

**Innovative system:**
**in one tool you have two different systems of adjustment: pressure (force) or stroke.**
**ADJUSTMENT** (check the technical drawing):
**1**) Pressure adjustment through the knob rotation (**P**).
**2**) Stroke adjustment through the ring nut (**G**).
**3**) By pulling the trigger the rivet nut gets deformed and unscrewed (**L**).

## Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 941/03 | **3441100** | **3457600** |
| M4 | 941/04 | **3441200** | **3470500** |
| M5 | 941/05 | **3441300** | **3471900** |
| M6 | 941/06 | **3441400** | **3472300** |
| M8 | 941/08 | **3441500** | **3472800** |
| M10 | 941/10 | **3441600** | **3473100** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

## Spare parts for RIVBOLT

| Ø rivet nut | Kit | Kit code | Code (female tie rod) |
|---|---|---|---|
| M4 | 941/04B | **3442300** | **3441900** |
| M5 | 941/05B | **3442400** | **3442000** |
| M6 | 941/06B | **3442500** | **3442100** |
| M8 | 941/08B | **3442600** | **3442200** |

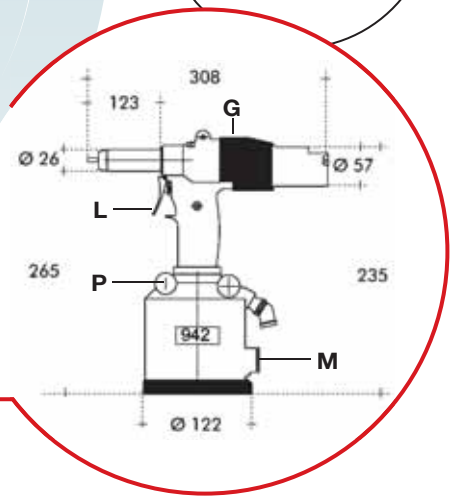
## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **5 lt** |
| Stroke | **6.5 mm** |
| Max power (6 bar) | **19000 N** |
| Weight (without kit) | **2.100 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **76 dB (A)** |

Pressure adjustment.

Stroke adjustment.

# RIV942 Hydropneumatic tool for rivet nuts from M4 to M12




TWO SYSTEMS OF ADJUSTMENT IN ONE TOOL (PRESSURE OR STROKE)

**Code 1701600**

**To place RIVSERT female rivet nuts from M4 to M12 and RIVBOLT male rivet nut from M4 to M8.**

The hydropneumatic system and the mechanical components used in the inside structure of the tool, when compared with other models, result to be much more reliable. A tool feature is a reduction of the problems caused by the wear and tear of the components, and consequently the tool lasts much longer and works better.

**Advantages:** kit assembling with ring nut gear (the key is no more necessary) | tie rods are now commercial screws | one phase trigger mechanism | light weight | easy handling | easy stroke adjustment | the adjustment ring stops against the counter-ring.

## Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M4 | 942/04 | **3441200** | **3470500** |
| M5 | 942/05 | **3441300** | **3471900** |
| M6 | 942/06 | **3441400** | **3472300** |
| M8 | 942/08 | **3441500** | **3472800** |
| M10 | 942/10 | **3441600** | **3473100** |
| M12 | 942/12 | **4259200** | **3473300** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

## Spare parts for RIVBOLT

| Ø rivet nut | Kit | Kit code | Code (female tie rod) |
|---|---|---|---|
| M4 | 942/04B | **3442300** | **3441900** |
| M5 | 942/05B | **3442400** | **3442000** |
| M6 | 942/06B | **3442500** | **3442100** |
| M8 | 942/08B | **4259400** | **3442200** |

RIV942 is supplied in a plastic case without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVSERT/RIVBOLT tables).

**Innovative system:**
**in one tool you have two different systems of adjustment: pressure (force) or stroke.**
**ADJUSTMENT** (check the technical drawing):
**1**) Pressure adjustment through the knob rotation (**P**) and keeping the trigger (**L**) pushed on the first step (traction) you can read the pressure value on the manometer (**M**).
**2**) Stroke adjustment through the ring nut (**G**).

## Technical data and features

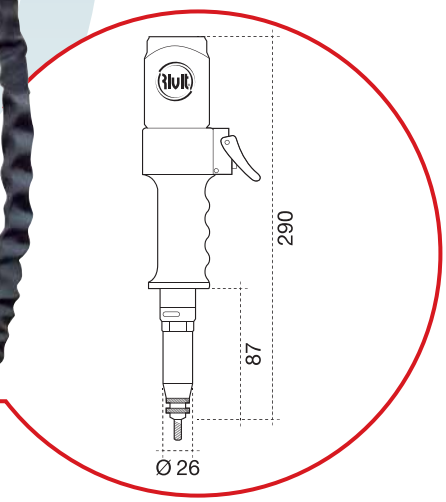
| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **7.5 lt** |
| Stroke | **10 mm** |
| Max power (6 bar) | **31000 N** |
| Weight (without kit) | **3.100 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **< 80 dB (A)** |

Pressure adjustment.

Manometer for pressure adjustment.

Stroke adjustment.

# RIV949 Vertical hydropneumatic tool for rivet nuts from M3 to M12




new

## Code 4560800

**To place RIVSERT female rivet nuts from M3 to M12 and RIVBOLT male rivet nuts, from M4 to M8.**

In RIV949 one pull is enough to start the automatic stroke. This innovative technical device makes vertical down applications quicker and fatigue-proof as it can be hung on a balancer.
**Innovative system: in one tool you have two different systems of adjustment: pressure (force) or stroke.**

RIV949 is supplied without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVSERT/RIVBOLT tables).

## Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 949/03 | **3441100** | **3457600** |
| M4 | 949/04 | **3441200** | **3470500** |
| M5 | 949/05 | **3441300** | **3471900** |
| M6 | 949/06 | **3441400** | **3472300** |
| M8 | 949/08 | **3441500** | **3472800** |
| M10 | 949/10 | **3441600** | **3473100** |
| M12 | 949/12 | **3441700** | **3473300** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

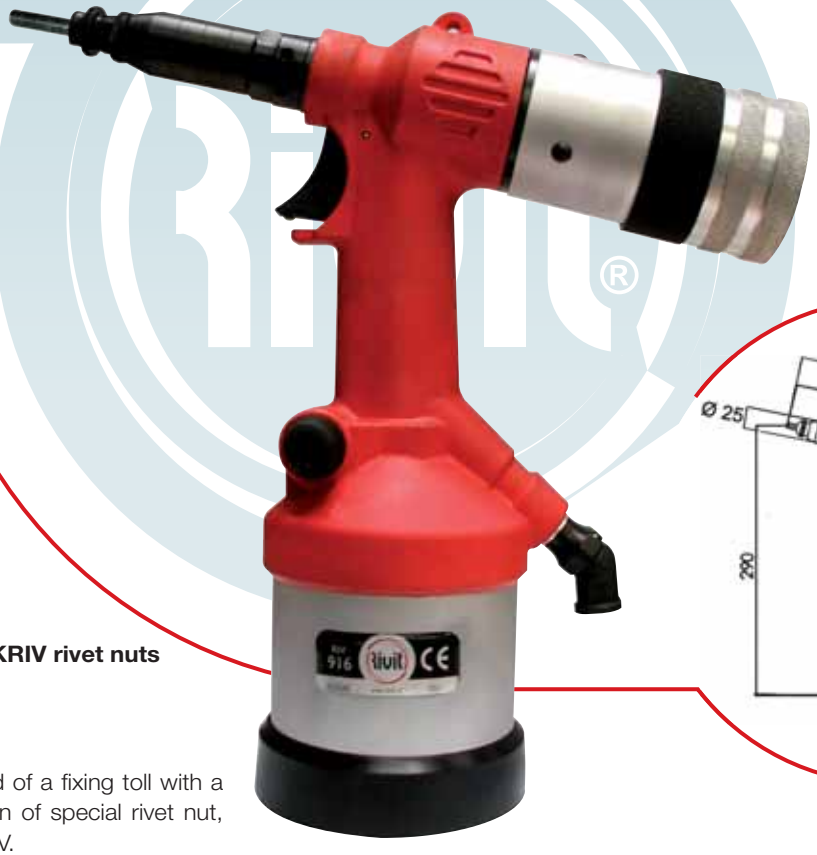
## Spare parts for RIVBOLT

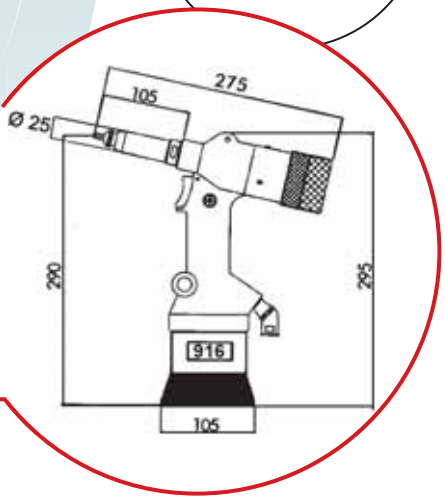
| Ø rivet nut | Kit | Kit code | Code (female tie rod) |
|---|---|---|---|
| M4 | 949/04B | **3442300** | **3441900** |
| M5 | 949/05B | **3442400** | **3442000** |
| M6 | 949/06B | **3442500** | **3442100** |
| M8 | 949/08B | **3442600** | **3442200** |

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Stroke | **6.5 mm** |
| Tensile strength (6 bar) | **21000 N** |
| Weight (without handle) | **2.0 Kg** |
| Total weight | **20.0 Kg** |
| Hose lenght | **2.5 m** |
| Box dimensions | **500x300x210 mm** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **76.0 dB (A)** |

# RIV916 Hydropneumatic tool for rivet nuts from M4 to M10






## Code 4154500

**To place TUBRIV and JACKRIV rivet nuts from M4 to M10.**

RIV916 comes from the need of a fixing toll with a long stroke for the application of special rivet nut, such as TUBRIV and JACKRIV.
**Advantages:** kit assembling with ring nut gear (the key is no more necessary) | tie rods are now commercial screws | one phase trigger mechanism | light weight | easy handling | easy stroke adjustment | the adjustment ring stops against the counter-ring.

RIV916 is supplied in a plastic case without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see below the spare parts for JACKRIV/TUBRIV tables).

## Spare parts for TUBRIV/JACKRIV

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M4 | 916/04 | **4186300** | **4186400** |
| M5 | 916/05 | **4186500** | **4186600** |
| M6 | 916/06 | **4186700** | **4186800** |
| M8 | 916/08 | **4186900** | **4187000** |
| M10 | 916/10 | **4187100** | **4187200** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **7.5 lt** |
| Stroke | **16 mm** |
| Max power (6 bar) | **13000 N** |
| Weight (without kit) | **2.558 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **78.5 dB (A)** |

## Examples of applications

Jackriv

Tubriv

# RIV916B Hydropneumatic tool for rivet nuts from M8 to M16

TWO SYSTEMS OF ADJUSTMENT IN ONE TOOL (PRESSURE OR STROKE)

**Code 4194400**

**To place RIVSERT rivet nuts from M8 to M16.**

RIV916B, compact and handy, is used to place rivets nuts in different alloys, with various hardnesses, which need a force to be deformed and placed, up to 8.000 kg (80.000 N).
**Innovative system: in one tool you have two different systems of adjustment: pressure (force) or stroke.**
Depending on the rivet nut characteristics, the operator can choose the best solution.

RIV916B is sold without head and screw which are sold on customer request (see below spare parts for RIVSERT table).

## Spare parts for RIVSERT (metric)

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M8 | 916B/08 | **4228600** | **4227600** |
| M10 | 916B/10 | **4228800** | **4227900** |
| M12 | 916B/12 | **4228900** | **4228200** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

| Ø rivet nut | Kit | Kit code | Tie rod code (special) |
|---|---|---|---|
| M14 | 916B/14 | **4229000** | **4228500** |
| M16 | 916B/16 | **4208800** | **4209000** |

## Spare parts for RIVSERT (unc)

| Ø rivet nut | Kit | Kit code | Tie rod code (special) |
|---|---|---|---|
| 1/2-11UNC | 916B/1/2-13UNC | **4466700** | **4466200** |
| 5/8-11UNC | 916B/5/8-11UNC | **4355400** | **4363400** |
| 3/4-10 UNC | 916B/3/4-10UNC | **4366300** | **4366400** |

## Technical data and features

| | |
|---|---|
| Supplying pressure | **6 bar** |
| Min/max air pressure | **5/7 bar** |
| Tensile strength (6 bar) | **80000 N** |
| Cylinder stroke | **1-15 mm** |
| Handle weight (without kit) | **2.6 Kg** |
| Total weight | **34.2 Kg** |
| Hoses length | **3.0 m** |
| Oil pressure | **300 bar** |
| Vibrations | **< 2.5 m/s²** |
| Noise level | **78.1 dB (A)** |
| Intensification ratio | **50 : 1** |

# RIV806

## Air gun tool for rivet nuts from M3 to M5

### Code 4197000

**To place rivet nuts from M3 to M5 (M6 aluminium only).**

Ergonomic, coated structure for the comfort of the operator.
Dual air inlet (right/left).
Built-in exhaust muffler to minimize the tool noise.
Rocking trigger for the ease of operational control.

### Technical data and features

| | |
|---|---|
| Air working pressure | **6.2 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **9.9 lt** |
| Speed | **1500 rpm** |
| Weight (without kit) | **1.022 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **95 dB (A)** |

### Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 806/03 | **4197500** | **24055GR** |
| M4 | 806/04 | **4197600** | **21912GR** |
| M5 | 806/05 | **4197700** | **21911GR** |
| M6 | 806/06 | **4218100** | **21910GR** |

The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

# RIV810

## Air gun tool for rivet nuts from M6 to M10

### Code 4197100

**To place rivet nuts from M6 to M10.**

Ergonomic, coated structure for the comfort of the operator.
Dual air inlet (right/left).
Built-in exhaust muffler to minimize the tool noise.
Rocking trigger for the ease of operational control.

### Technical data and features

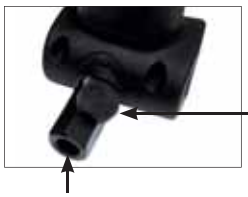
| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **9.2 lt** |
| Speed | **500 rpm** |
| Weight (without kit) | **1.275 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **95 dB (A)** |

### Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M6 | 810/06 | **4218100** | **21910GR** |
| *M8 | 810/08 | **4218200** | **23709GR** |
| M10 | 810/10 | **4197800** | **21930GR** |

* Assembled on head (included).

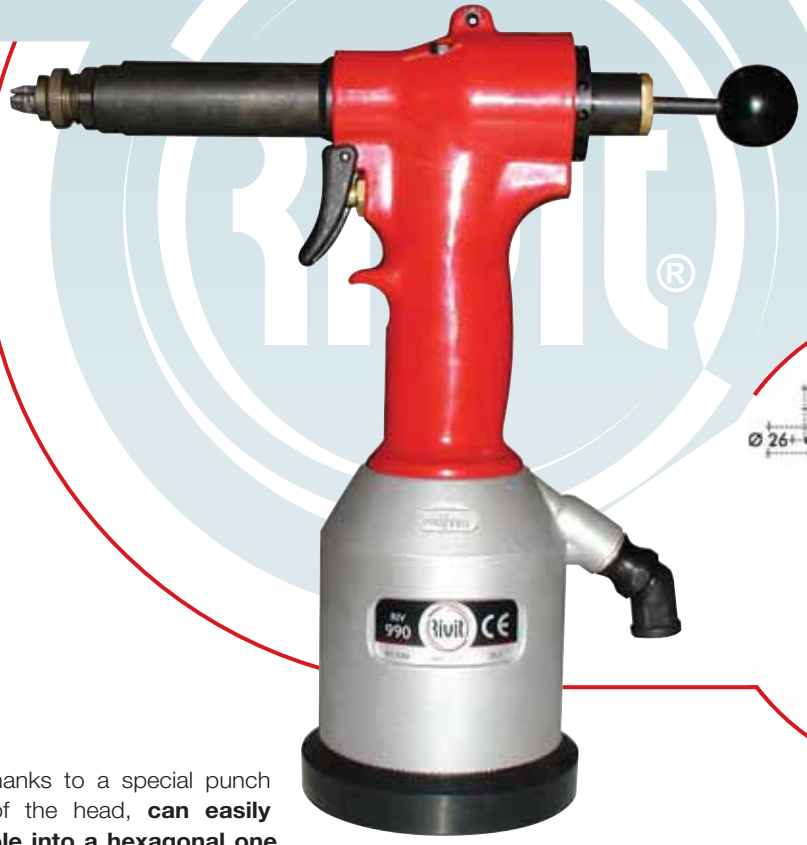
The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

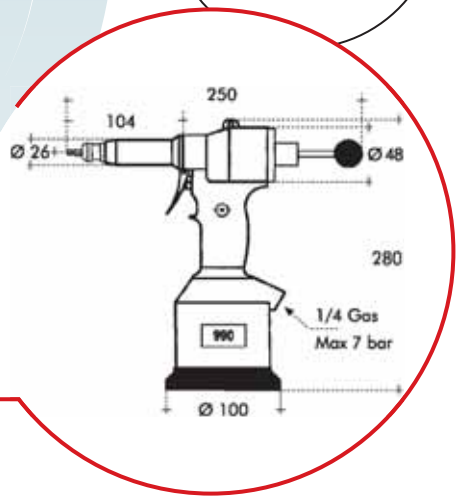


Adjusting air knob according to the rivet nut to be placed.

3/8" gas air connecter.

# RIV990 Hydropneumatic hexcutter tool for hexagonal holes

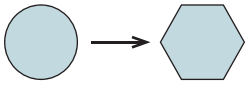





## Code 2986300

**To place hexagonal RIVSERT rivet nuts.**

A round off system, thanks to a special punch housed in the front of the head, **can easily transform a round hole into a hexagonal one.** This allows the use of hexagonal rivet nuts on already folded profiles and on metal boxes.



RIV990 is sold in a plastic case without punches and dies. Order the proper punch and die separately, according to the fasteners to be placed (see below the optional table).

## Optionals

| Hexagonal rivet nut | Punch code | Die code |
|---|---|---|
| M4 | * 4196900 | - |
| M5 | 2974900 | 2975300 |
| M6 | 2925000 | 2925100 |
| M8 | 2975000 | 2975400 |
| M10 | ** 4520500 | - |

* Rod kit supplied with punch + hexagonal die 6 for M4 rivet nut.
** Rod kit supplied with punch + hexagonal die 13 for M10 rivet nut.

Punch + die

Die

Punch

## Examples of applications

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **2.5 lt** |
| Stroke | **6 mm** |
| Max power (6 bar) | **19000 N** |
| Weight (without kit) | **2.133 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **< 80 dB (A)** |

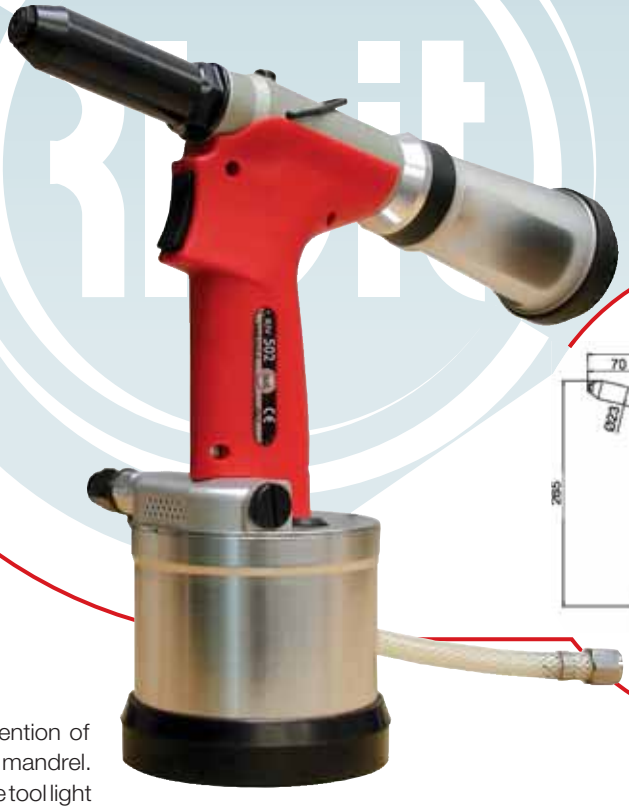
| Size | Predrilled | Hexagon |
|---|---|---|
| M4 | 6.25 | 6 |
| M5 | 7.25 | 7 |
| M6 | *9.25-9.50 | 9 |
| M8 | *11.25-11.50 | 11 |
| M10 | *13.25-13.50 | 13 |

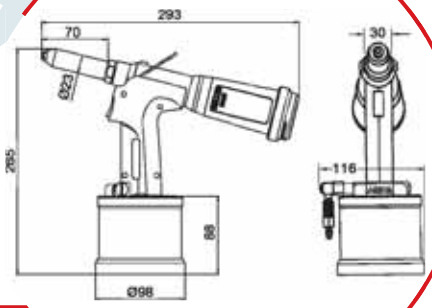
* Depending on the thickness of the used material.

## Sheet metal thickness

| Size | Aluminium | Steel | S/Steel |
|---|---|---|---|
| M4 | 0.5-2.5 | 0.5-1.5 | 0.5-1.5 |
| M5 | 0.5-4.5 | 0.5-3.0 | 0.5-1.5 |
| M6 | 0.5-4.5 | 0.5-3.0 | 0.5-1.5 |
| M8 | 0.5-4.5 | 0.5-3.0 | 0.5-1.5 |
| M10 | 0.5-4.5 | 0.5-3.0 | 0.5-1.5 |

# RIV502 Hydropneumatic riveting tool for standard blind rivets






## Code 4102900

**To place standard blind rivets, up to Ø 4.0, in all materials (for aluminium only Ø 4.8).**

RIV502 is a hydropneumatic tool with retention of the blind rivet and capture of the separated mandrel. Plastic handle and aluminium body make the tool light and handy, and consequently easy to use for operators. RIV502 combines functionality with a highly competitive price, which makes it very attractive for those who uses this kind of tool continuously and professionally.

## Fittings

| Description | Pc | Code |
|---|---|---|
| Nosepiece Ø 2.4 mm | 1 | **4199000** |
| Nosepiece Ø 3.0-3.2 mm | 1 | **4199100** |
| Nosepiece Ø 4.0 mm (on head) | 1 | **4199200** |
| Nosepiece Ø 4.8 mm | 1 | **4169100** |
| Jaws (3 pcs) | 2 | **1250100** |
| Jaws opener Ø 2.4-3.2 mm | 1 | **4136700** |
| Jaws opener Ø 4.0-4.8 mm (on head) | 1 | **4136600** |
| Jaw return spring | 1 | **4136800** |
| Cone holding jaws | 1 | **4136500** |
| Oil syringe | 1 | - |
| Oil | 1 | - |
| Hexagonal allen wrench 3 mm | 1 | - |
| 10-12 mm wrench | 1 | - |
| 15-16 mm wrench | 1 | - |
| 16-17 mm wrench | 1 | - |

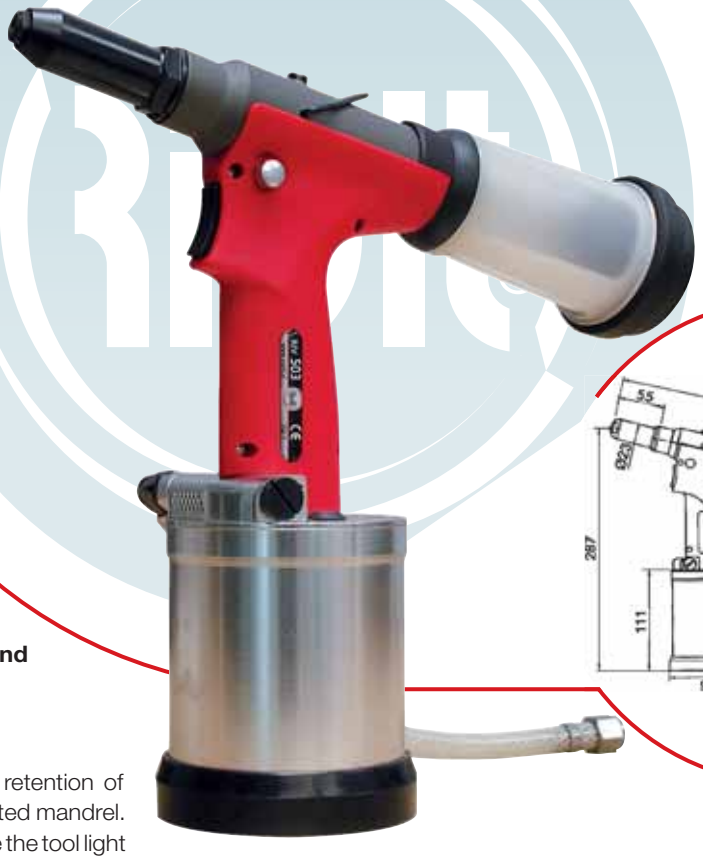
**The tools is supplied with kit Ø 4.0 already assembled.**

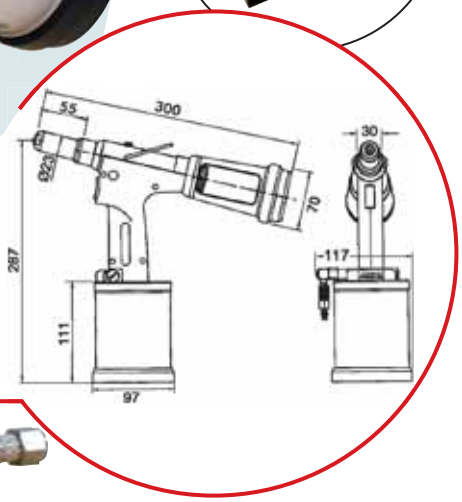
## Technical data and features

| | |
|---|---|
| Air working pressure | **5 bar** |
| Min-max air pressure | **3/7 bar** |
| Air consumption per cycle (6 bar) | **2.6 lt** |
| Stroke | **20 mm** |
| Max power (6 bar) | **8500 N** |
| Weight | **1.429 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **77.5 dB (A)** |

Knob for suction adjusting.

# RIV503 Hydropneumatic tool for standard & structural blind rivets






## Code 4035700

**To place standard and structural blind rivets, up to Ø 4.8, in all materials (for aluminium only Ø 6.0).**

RIV503 is a hydropneumatic tool with retention of the blind rivet and capture of the separated mandrel. Plastic handle and aluminium body make the tool light and handy, and consequently easy to use for operators. RIV503 combines functionality with a highly competitive price, which makes it very attractive for those who uses this kind of tool continuously and professionally.

## Fittings

| Description | Pc | Code |
|---|---|---|
| Nosepiece Ø 2.4 mm | 1 | **4199000** |
| Nosepiece Ø 3.2 mm | 1 | **4199100** |
| Nosepiece Ø 4.0 mm | 1 | **4199200** |
| Nosepiece Ø 4.8 mm (on head) | 1 | **4169100** |
| Nosepiece Ø 6.0 mm for alu | 1 | **4041700** |
| Nosepiece Ø 4.8-3/16 for Monriv rivet | 1 | **2524800** |
| Jaws (3 pcs) | 2 | **1250100** |
| Jaws opener | 1 | **4139200** |
| Jaw return spring | 1 | **4134000** |
| Cone holding jaws | 1 | **4133800** |
| Oil syringe | 1 | - |
| Oil | 1 | - |
| Hexagonal allen wrench 3 mm | 1 | - |
| 10-12 mm wrench | 1 | - |
| 16-17 mm wrench | 2 | - |

**The tools is supplied with kit Ø 4.8 already assembled.**

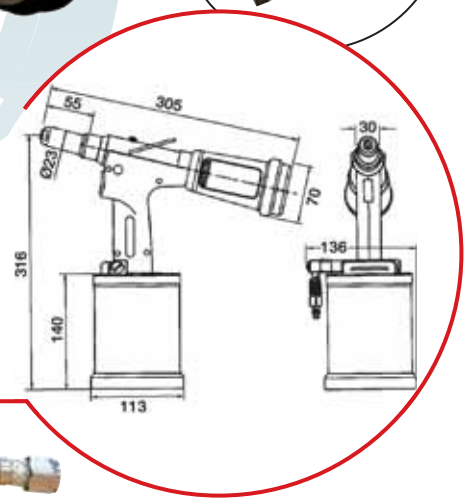
## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **4.35 lt** |
| Stroke | **20 mm** |
| Max power (6 bar) | **10900 N** |
| Weight | **1.546 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **78 dB (A)** |

## Optionals

| Picture | Description | Code |
|---|---|---|
| | Kit 503 - Extension 100 mm | **4204300** |
| | Kit 503 - Extension 200 mm | **4226800** |

# RIV504 Hydropneumatic tool for standard & structural blind rivets




## Code 4035800

**To place standard and structural blind rivets, up to Ø 6.4, in all materials.**

RIV504 is a hydropneumatic tool with retention of the blind rivet and capture of the separated mandrel. Plastic handle and aluminium body make the tool light and handy, and consequently easy to use for operators. RIV504 combines functionality with a highly competitive price, which makes it very attractive for those who uses this kind of tool continuously and professionally.

## Fittings

| Description | Pc | Code |
|---|---|---|
| Nosepiece Ø 4.0 mm | 1 | **4199200** |
| Nosepiece Ø 4.8 mm | 1 | **4169100** |
| Nosepiece Ø 4.8-3/16 mm for Monriv rivet | 1 | **2524800** |
| Nosepiece Ø 6.4-1/4 mm for Monriv rivet | 1 | **4041900** |
| Nosepiece Ø 6.4 mm for Lockiriv rivet | 1 | **4173500** |
| Nosepiece Ø 6.4 mm for standard (on head) | 1 | **4041800** |
| Nosepiece Ø 6.4 mm for Magnariv rivet | 1 | **4041800** |
| Jaw (3 pcs) | 2 | **1249200** |
| Jaws opener | 1 | **4133900** |
| Jaw return spring | 1 | **4134000** |
| Cone holding jaws | 1 | **4133800** |
| Oil syringe | 1 | - |
| Oil | 1 | - |
| Hexagonal allen wrench 3 mm | 1 | - |
| 10-12 mm wrench | 1 | - |
| 16-17 mm wrench | 2 | - |

**The tools is supplied with kit Ø 6.4 already assembled.**

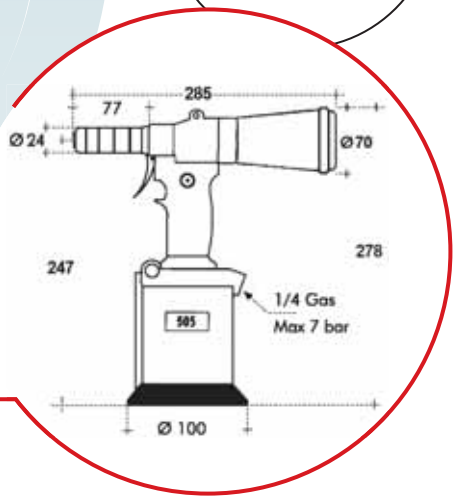
## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **4.8 lt** |
| Stroke | **26 mm** |
| Max power (6 bar) | **16000 N** |
| Weight | **1.866 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **78.5 dB (A)** |

## Optionals

| Picture | Description | Code |
|---|---|---|
| | Kit 504 - Extension 100 mm | **4204300** |
| | Kit 504 - Extension 200 mm | **4226800** |

# RIV505 Hydropneumatic tool for standard & structural blind rivets




## Code 3187100

**To place any standard and structural blind rivets up to Ø 4.8, all material, and up to Ø 6.0 for aluminium only.**

RIV505 is fitted out with a double function of the mandrel suction:
1) The mandrel is intaken only after the blind rivets has been automatically set.
2) When working in vertical position, start the suction valve to hold the mandrel.
**Advantages:** 360° rotating air inlet | Ergonomic handle | Balanced weight | Double hook for balancer.

RIV505 is sold in a plastic case with Ø 3.0/3.2 - 3.4/4.0 - 5.0 - 6.0 nosepieces.

## Fittings

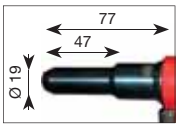
| Picture | Description | Pc | Code |
|---|---|---|---|
| | Nosepiece Ø 3.0/3.2 mm | 1 | **3170500** |
| | Nosepiece Ø 3.4/4.0 mm | 1 | **3170900** |
| | Nosepiece Ø 5.0 mm (on head) | 1 | **3171100** |
| | Nosepiece Ø 6.0 mm | 1 | **3222400** |

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **1.5 lt** |
| Stroke | **18 mm** |
| Max power (6 bar) | **9750 N** |
| Weight | **2.070 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **76 dB (A)** |

## Optionals

| Picture | Description | Code |
|---|---|---|
| | Nosepiece for Monriv rivets Ø 4.8 3/16 | **2524800** |



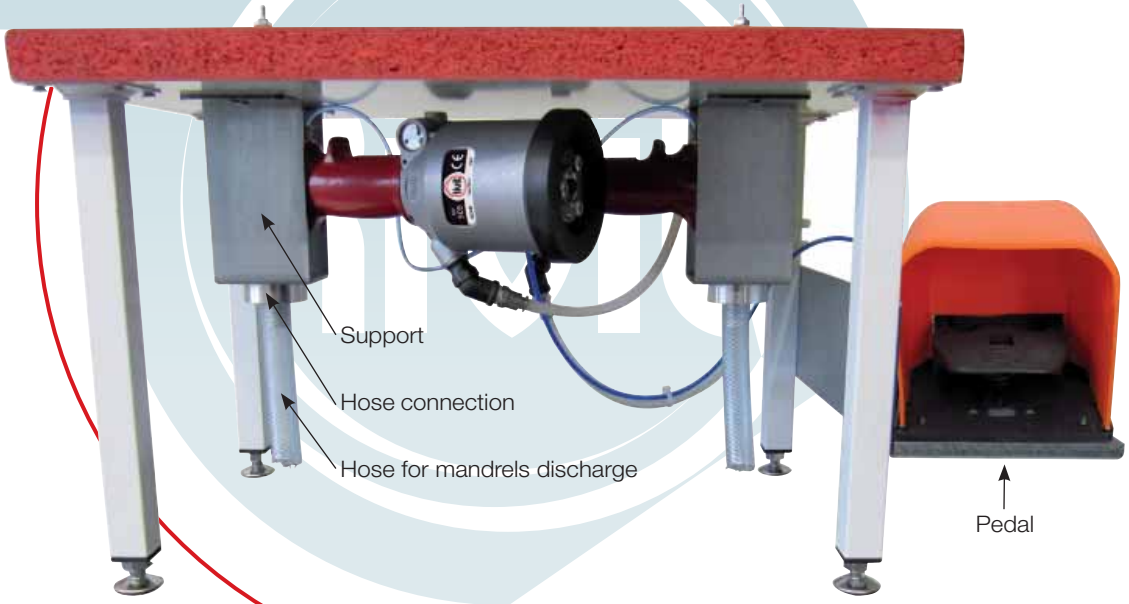

A special sleeve is available for all standard and structural blind rivets up to Ø 4.0, aluminium ones up to Ø 4.8. Kit 505 (reduced special head Ø 19x47). Code **3219700**

Angular head for blind rivets Ø 2.4-4.8. Code **4210200**

Extensions 100-150-200 mm. Code **4348800-4348900-4349000**

Double hook for balancer.

# RIV505SM Modular system with tool for blind rivets




**To place standard and structural blind rivets, in all materials up to Ø 4.8, and Ø 6.0 aluminum only.**

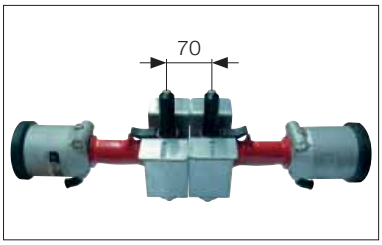
The choice of the modular system RIV505SM is strongly suggested when you have to make multiple placement of blind rivets with more than one rivet tool through the drive pedal, optimizing the cost of the workstation.

## Parts of the workstation

| Picture | Description | Code |
|---|---|---|
| | RIV505 | **3187100** |
| | Support | **4282800** |
| | Hose connection | **3157500** |
| | Hose for mandrels discharge | **3157400** |
| | Pedal drive | **4283000** |
| | Trigger drive | **4443200** |

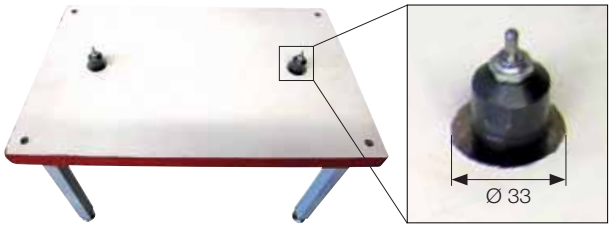
## Positioning examples

Wheelbase **96 mm**.



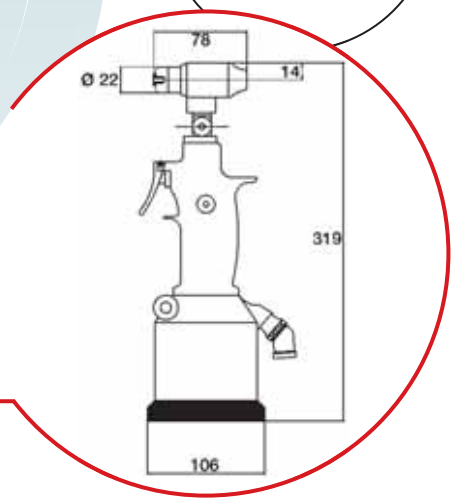
Wheelbase **70 mm**.

## Examples of heads on the work bench




We recommend a **33 mm hole** allowing you to unscrew the sleeve for clamps replacing.

# RIV536 Hydropneumatic tool for blind rivets with 360° rotating head




## Code 4420100

**To place all alloy blind rivets up to Ø 4.8 with smooth rivet mandrel < Ø 2.9 (not knurled).**

RIV536 is a hydropneumatic tool for blind rivets featuring an angular head which allows installing of blind rivets in difficult-to-reach and blind-sided parts. The head can rotate 360° and can be oriented in several positions from 0° to 180°, facilitating the installation of the rivet at any angle.

RIV536 is sold in a plastic case with Ø 2.4 - 3.0/3.2 - 3.4/4.0 - 4.8.

## Fittings

| Picture | Description | Pc | Code |
|---|---|---|---|
| | Nosepiece Ø 2.4 mm | 1 | **0189400** |
| | Nosepiece Ø 3.0/3.2 mm | 1 | **0176500** |
| | Nosepiece Ø 3.4/4.0 mm | 1 | **0176600** |
| | Nosepiece Ø 4.8 mm | 1 | **0176900** |
| | Clamps (3 pc) | 2 | **4260500** |

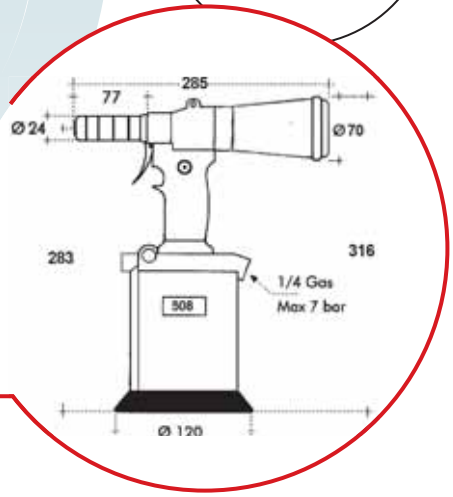
## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **1.5 lt** |
| Stroke | **14 mm** |
| Max power (6 bar) | **8500 N** |
| Weight | **1.803 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **76 dB (A)** |

Vertical application.

360° head rotation (horizontal) and from 0° to 180° (vertical)

# RIV508 Hydropneumatic tool for structural blind rivets & bolts




## Code 3008000

**To place structural blind rivets from Ø 4.8 to Ø 7.8 and blind bolts Ø 4.8 and Ø 6.4.**

RIV508 is a reversible tool. 6 different kits of standard front heads are available on request, according to the blind rivet to be placed. Fitted out with a system of blind rivet suction and nail recovery.

RIV508 is sold in a plastic case without the front head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the “head kits” table).

## Optionals

Extensions 100-150-200 mm.
Code **4348800-4348900-4349000**

Collar cutter heads for standard collar (not flanged) Ø 4.8 and Ø 6.4.
Code **4047100-4047200**

Deflector kit for blind bolts.
Code **3259500**

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **4.9 lt** |
| Stroke | **21 mm** |
| Max power (6 bar) | **21000 N** |
| Weight (without kit) | **2.400 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **78.5 dB (A)** |

## Heads kit

| Picture | Kit | Description | Kit code |
|---|---|---|---|
| | 508/50R48 | Head for blind and structural rivets Ø 4.8 | **4303400** |
| | 508/50R* | Head for blind rivets Ø 6.0, 6.4, 7.8 and for structural blind rivets Ø 4.8÷6.4 (Magnariv, Magnarivgrip, Monriv, Lockriv) | **3123100** |
| | 508/80R | Head for Lockriv blind rivets Ø 7.8 | **3123200** |
| | 508/50B | Complete head for Rivlock blind bolts Ø 4.8 - Property class 5.8 | **3020900** |
| | 508/64B | Complete head for Rivlock blind bolts Ø 6.4 - Property class 5.8 | **3020700** |
| | 508/64B/1 | Complete head for Rivblock blind bolts Ø 6.4 | **2813000** + **2973000** ** |
| | 508/64B/2 | Complete head for Rivtainer blind bolts Ø 6.4 | **2813000** + **4193200** *** |
| | 508/50G | Complete head for Rivlockgrip blind bolts Ø 4.8 - Property class 5.8 | **3118400** |
| | 508/64G | Complete head for Rivlockgrip blind bolts Ø 6.4 - Property class 5.8 | **3119700** |

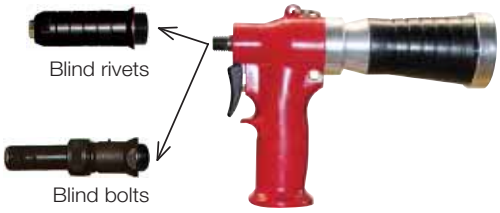
* Specific equipments are available on request, in order to use kit 508/50R Monriv Ø 6.4 and standard blind rivets Ø 7.8.
** To place Rivblock couple the special external cone without collar - code **2973000**.
*** To place Rivtainer couple the special external cone with collar - code **4193200**.

# RIV508B Hydropneumatic tool for blind rivets & bolts

## Code 0114000

**To place structural blind rivets up to Ø 7.8 and blind bolts up to Ø 6.4.**

RIV508B is made up by an aluminium light handle, which is connected to a control unit where are located the intensifier, the oil tank and the valve for nail intake.




RIV508B is sold without the front head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the “head kits” table).

## Technical data and features

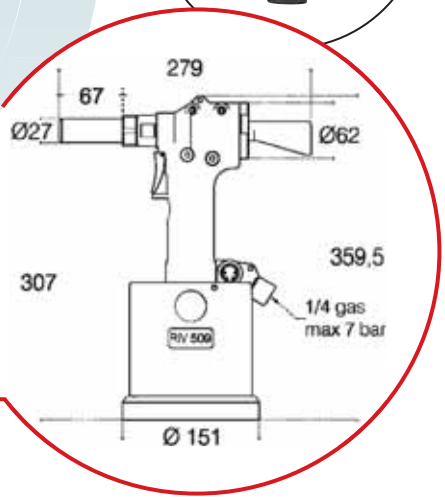
| | |
|---|---|
| Supplying pressure | **6 bar** |
| Min/max air pressure | **5/7 bar** |
| Tensile strength (6 bar) | **19800 N** |
| Cylinder stroke | **25 mm** |
| Noise level | **78.1 dB (A)** |
| Handle weight (without kit) | **≅ 1.2 Kg** |
| Total weight | **29 Kg** |
| Hoses length | **3.0 m** |
| Oil pressure with 6 bar of air pressure | **246 bar** |
| Vibrations | **< 2.5 m/s²** |
| Intensification ratio | **41 : 1** |

## Heads kit

| Picture | Kit | Description | Kit code |
|---|---|---|---|
| | 508B/50R* | Head for blind rivets Ø 6.0, 6.4, 7.8 and for structural blind rivets Ø 6.4 (Magnariv, Magnarivgrip, Monriv, Lockriv) | **2290100** |
| | 508B/80R | Head for Lockriv blind rivets Ø 7.8 only | **2231200** |
| | 508B/50B | Complete head for Rivlock blind bolts Ø 4.8 - Property class 5.8 | **3020900** |
| | 508B/64B | Complete head for Rivlock blind bolts Ø 6.4 - Property class 5.8 | **3020700** |
| | 508B/64B/1 | Complete head for Rivblock blind bolts Ø 6.4 | **2813000** + **2973000** ** |
| | 508B/64B/2 | Complete head for Rivtainer blind bolts Ø 6.4 | **2813000** + **4193200** *** |
| | 508B/50G | Complete head for Rivlockgrip blind bolts Ø 4.8 - Property class 5.8 | **3118400** |
| | 508B/64G | Complete head for Rivlockgrip blind bolts Ø 6.4 - Property class 5.8 | **3119700** |

* Specific equipments are available on request, in order to use kit 508B/50R, Monriv Ø 6.4 and standard blind rivets Ø 7.8.
** To place Rivblock couple the special external cone without collar - code **2973000**.
*** To place Rivtainer couple the special external cone with collar - code **4193200**.

# RIV509 Hydropneumatic tool for blind bolts




## Code 3243500

**To place RIVLOCK and RIVLOCKGRIP blind bolts up to Ø 6.4, 8.0 and 10.0.**

The innovative technical devices adopted, allowed a reduction in weight and dimension, giving a very good solution to all the limits generated by the volume of the control unit, which has been eliminated. Moreover the tool is very practical, handy and perfect to be used almost anywhere. RIV509 operates with both a very strong pull force and a very strong reverse force (hydropneumatic piston); the second one is a must to make the ejection of the collar possible.

The different kit have to be screwed here.

RIV509 is supplied in a plastic case without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the RIVLOCK/RIVLOCKGRIP/BOM® tables).

## Kit for RIVLOCK-RIVLOCKGRIP

| Picture | Kit (complete head) | Ø | Code |
|---|---|---|---|
| | 509/64B | 6.4 | **3270000** |
| | 509/80B | 8.0 | **3344400** |
| | 509/100B | 10.0 | **3293000** |
| | 509/64G | 6.4 | **3656700** |
| | 509/80G | 8.0 | **3649000** |
| | 509/100G | 10.0 | **3649100** |

## Kit for BOM®

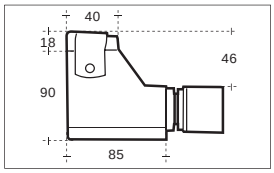
| Picture | Kit (complete head) | Ø | Code |
|---|---|---|---|
| | 509/50M | 5.0 | **3359000** |
| | 509/64M | 6.4 | **3359400** |
| | 509/80M | 8.0 | **3349800** |

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **14 lt** |
| Stroke | **19 mm** |
| Max power (6 bar) | **35000 N** |
| Weight (without kit) | **4.200 Kg** |
| Vibrations | **< 2,5 m/s²** |
| Noise level | **< 80 dB (A)** |

## Optionals

Collar cutter heads for standard collar (not flanged)
Ø 4.8, 6.4, 8.0, 10.0.
Code **4043500-4043900-4044000-4044100**




Angular head for RIVLOCK blind bolts Ø 6.4, 8.0, 10.0.
Code **3547700**

# RIV509B Hydropneumatic tool for blind bolts

## Code 3331300

**To place RIVLOCK and RIVLOCKGRIP blind bolts up to Ø 10.0.**

The hydropneumatic RIV509B is designed for a quick placement of blind bolts.
It is made by a light handle in painted aluminium, which is connected, through duly sheltered hoses, to a control unit where the intensifiers, the driver valve and the oil tank are located. RIV509B operates with both a very strong pull force and a very strong reverse force (hydropneumatic piston); the second one is a must to make the ejection of the collar possible. There is not nail intake.

The different kit have to be screwed here.

RIV509B is supplied without the frontal head kit.
Choose the correct one, according to the fastener to be placed, and order it separately
(see the RIVLOCK/RIVLOCKGRIP/BOM® tables).

## Technical data and features

| | |
|---|---|
| Supplying pressure | **6 bar** |
| Min/max air pressure | **5/7 bar** |
| Tensile strength (6 bar) | **36000 N** |
| Stroke | **22 mm** |
| Handle weight (senza kit) | **≅ 1.4 Kg** |
| Total weight | **33 Kg** |
| Hoses length | **3.0 m** |
| Oil pressure with 6 bar of air pressure | **300 bar** |
| Vibrations | **< 2.5 m/s²** |
| Noise level | **< 80 dB (A)** |
| Intensification ratio | **50 : 1** |

## Kit for RIVLOCK-RIVLOCKGRIP

| Picture | Kit (complete head) | Ø | Code |
|---|---|---|---|
| | 509B/64B | 6.4 | **3270000** |
| | 509B/80B | 8.0 | **3344400** |
| | 509B/100B | 10.0 | **3293000** |
| | 509B/64G | 6.4 | **3656700** |
| | 509B/80G | 8.0 | **3649000** |
| | 509B/100G | 10.0 | **3649100** |

## kit for BOM®

| Picture | Kit (complete head) | Ø | Code |
|---|---|---|---|
| | 509B/50M | 5.0 | **3359000** |
| | 509B/64M | 6.4 | **3359400** |
| | 509B/80M | 8.0 | **3349800** |

# RIV510B Hydropneumatic tool for blind rivets & bolts

## Code 2972100

**To place RIVLOCK, RIVLOCKGRIP and RIVBLOCK blind bolts up to Ø 6.4 and to place structural blind rivets like MAGNARIV and MONRIV Ø 9.8.**

RIV510B tool for structural blind rivets and bolts is a solid tool, designed for an easy and quick use.
It is made by a painted light aluminium handle, which is connected through a hose to a control unit where the intensifier, the driver valve and the oil tank are located.
There is not nail intake.

The different kit have to be screwed here.

RIV510B is supplied without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the "heads kit" table).

## Technical data and features

| | |
|---|---|
| Supplying pressure | **6 bar** |
| Min/max air pressure | **5/7 bar** |
| Tensile strength (6 bar) | **36000 N** |
| Cylinder stroke | **26 mm** |
| Tool speed (depending on the installed valve-stroke/min) | **15-25** |
| Handle weight (without kit) | **≅ 1.4 Kg** |
| Total weight | **33 Kg** |
| Hoses length | **3.0 m** |
| Oil pressure with 6 bar of air pressure | **300 bar** |
| Vibrations | **< 2.5 m/s²** |
| Noise level | **78.1 dB (A)** |
| Intensification ratio | **50 : 1** |

## Heads kit

| Picture | Kit | Description | Kit code |
|---|---|---|---|
| | 510B/98 | Complete head for Magnariv structural rivets Ø 9.8 | **4201700** |
| | 510B/98 | Complete head for Monriv structural rivets Ø 9.8 | **4201700** + **4201800** |
| | 510B/64B | Complete head for Rivlock blind bolts Ø 6.4 | **2845200** |
| | 510B/64G | Complete head for Rivlockgrip blind bolts Ø 6.4 | **3123400** |
| | 510B/64B/2 | Complete head for Rivtainer blind bolts Ø 6.4 | **2813000** + * **4193200** |
| | 510B/64B/1 | Complete head for Rivblock blind bolts Ø 6.4 | **2813000** + ** **2973000** |

* To place Rivtainer couple the special external cone with collar - code **4193200**.
** To place Rivblock couple the special external cone without collar - code **2973000**.

# RIV512B Hydropneumatic tool for blind bolts

## Code 4194300

**To place blind bolts from Ø 8.0 to Ø 10.0.**

RIV512B is made of a light handle in painted aluminium, which is connected, through duly sheltered hoses, to a control unit where the intensifiers, driver valve and oil tank are located.
Designed to fasten RIVLOCK, RIVLOCKGRIP e BOM®.
There is no intake.

RIV512B is supplied without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the spare parts for RIVLOCK/RIVLOCKGRIP and BOM® series tables).

The different kit have to be screwed here.

## Kit for RIVLOCK-RIVLOCKGRIP

| Picture | Kit (complete head) | Ø | Code |
|---|---|---|---|
| | 512B/80B | 8.0 | **3344400** |
| | 512B/100B | 10.0 | **3293000** |
| | 512B/80G | 8.0 | **3649000** |
| | 512B/100G | 10.0 | **3649100** |

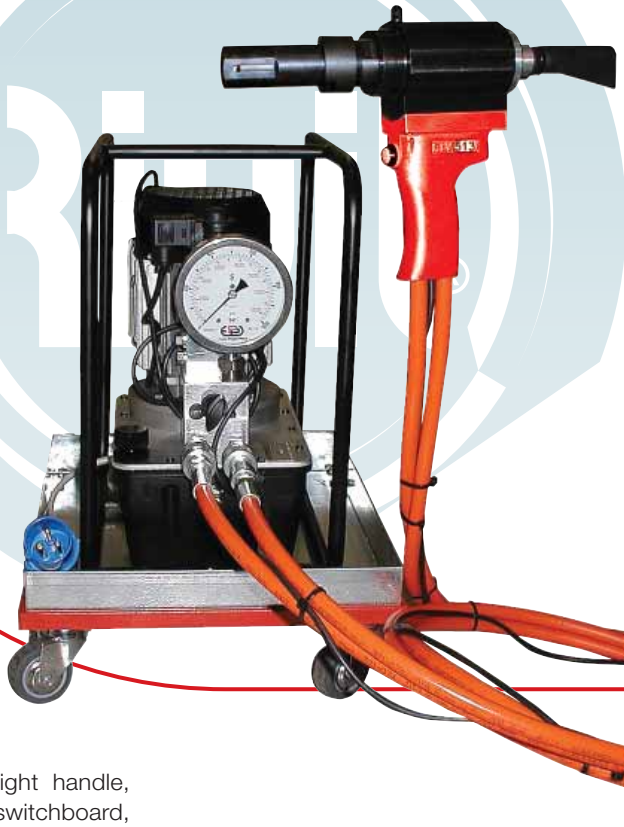
## Kit for BOM®

| Picture | Kit (complete head) | Ø | Code |
|---|---|---|---|
| | 512B/80M | 8.0 | **3349800** |
| | 512B/100M | 10.0 | **4253400** |

## Technical data and features

| | |
|---|---|
| Supplying pressure | **6 bar** |
| Min/max air pressure | **5/7 bar** |
| Tensile strength (6 bar) | **60000 N** |
| Stroke | **24 mm** |
| Handle weight (without kit) | **≅ 2.2 Kg** |
| Total weight | **40 Kg** |
| Hoses length | **3.0 m** |
| Oil pressure with 6 bar of air pressure | **300 bar** |
| Vibrations | **< 2.5 m/s²** |
| Noise level | **< 80 dB (A)** |
| Intensification ratio | **50 : 1** |

# RIV513B Electro hydraulic tool for blind bolts



## Code 3282300

**To place BOM® blind bolts Ø 8.0-10.0-13.0.**

RIV513B is made by an aluminium/steel light handle, which is connected to a 220 V electrical switchboard, where the oil pressure can be adjusted. The tool can be used in any place where no compressed air is available. The aim of the electrical switchboard is to make the tool as much light as possible. Hoses length can be tailored to the user's needs. Moreover the RIV513B is not only a very solid, strong and high performance tool, but it is also easy and quick to be used.
BOM® blind bolts are most successful for a wide range of general situations in many sectors: railway, automotive, conditioning plants, iron structural works, nautical manufacturing. This blind bolt is suitable for any application on parts which will never be disassembled. High shear strength and strong resistance to vibrations are among the most important advantages of this type of bolt.

The different kit have to be screwed here.

RIV513B is supplied without the frontal head kit. Choose the correct one, according to the fastener to be placed, and order it separately (see the kit for BOM® table).

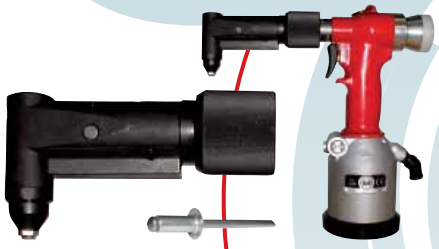
## Technical data and features

| | |
|---|---|
| Engine | **1.1 Kw 220 V 50 Hz 2800 rpm** |
| Pump (Max pressure) | **600 bar** |
| Stroke | **34 mm** |
| Handle weight (without kit) | **2.8 Kg** |
| Total weight | **34 Kg** |
| Length of standard hoses | **3.0 m** |
| Force (500 bar) | **83000 N** |
| Placing capacity (BOM®) | **Ø 8-10 300 bar Ø 13 500 bar** |
| Vibrations | **< 2.5 m/s²** |
| Noise level | **< 80 dB (A)** |

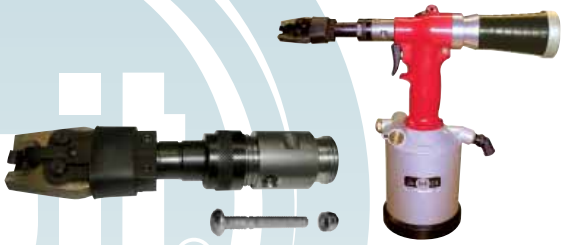
## Kit for BOM®

| Picture | Kit (complete head) | Ø | Code |
|---|---|---|---|
| | 513B/80M | 8.0 | **3282400** |
| | 513B/100M | 10.0 | **3323200** |
| | 513B/130M | 13.0 | **3323300** |

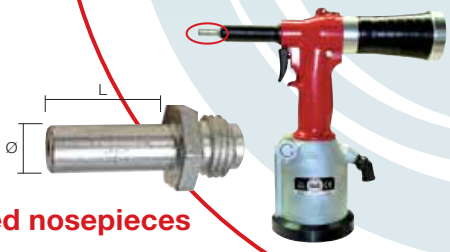
# SPECIAL ACCESSORIES for blind rivets & bolts



Code 4210200



Collar cutters for RIV508



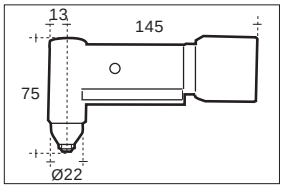

Extended nosepieces

Collar cutters for RIV509

## Angular head for standard blind rivets (RIV505)

**Code 4210200**

To place standard blind rivets Ø 2.4-4.8 (aluminium).




## Extended nosepieces for RIV502-RIV503-RIV505

| For blind rivets Ø | L | Ø | Code |
|---|---|---|---|
| 2.4 | 12.0 | 7.0 | **1534900** |
| 3.2 | 15.0 | 8.0 | ***4229900** |
| 4.0 | 15.0 | 8.0 | **4230000** |
| 4.8 | 15.0 | 8.0 | **4230100** |

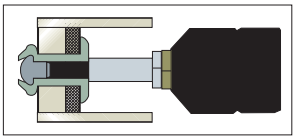
* Only for RIV502 and RIV503.

## Extended nosepieces for RIV504 e RIV508

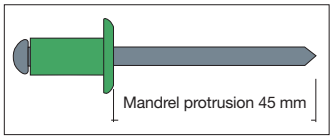
| | | | |
|---|---|---|---|
| 6.0-6.4 | 12.0 | 9.0 | **1845700** |
| 6.0-6.4 | 18.0 | 9.0 | **1845600** |

## Extended nosepieces for RIV750

| | | | |
|---|---|---|---|
| 4.0 | 8.0 | 8.0 | **4043400** |
| 3.0 | 10.0 | 7.0 | **1105800** |
| 4.8 | 10.0 | 1.0 | **0593700** |
| 3.0 | 15.0 | 7.0 | **1105900** |
| 4.8 | 28.0 | 6.5 | **3743900** |



Application example with extended nozzle.




The extended nozzles can be used with long mandrel blind rivets (min. protrusion 45 mm).

## Collar cutter heads for standard collars (not flanged) for blind bolts (RIV 508)

**Code 4047100 - Kit 508/50C**

Kit for standard collars (not flanged) Ø 4.8.

**Code 4047200 - Kit 508/64C**

Kit for standard collars (not flanged) Ø 6.4.

## Collar cutter heads for standard collars (not flanged) for blind bolts (RIV 509)

**Code 4043500 - Kit 509/50C**

Kit for standard collars (not flanged) Ø 4.8.

**Code 4043900 - Kit 509/64C**

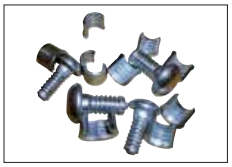
Kit for standard collars (not flanged) Ø 6.4.

**Code 4044000 - Kit 509/80C**

Kit for standard collars (not flanged) Ø 8.0.

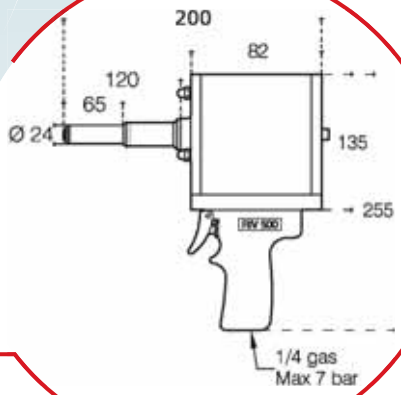
**Code 4044100 - Kit 509/100C**

Kit for standard collars (not flanged) Ø 10.0.



Kit has to be used to remove the bolt after being installed.
The pliers-head is intended to cut the collar without ruining the surface.

# RIV500 Pneumatic riveting tool for extra long blind rivets



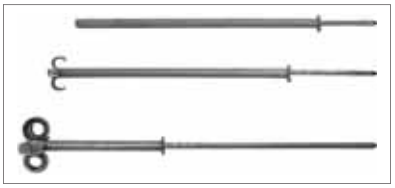

## Code 3260200

**To place extra long blind rivets.**

All the common commercial tools have a maximun stroke of 26 mm. The requirements of the market, with particular regard to the roofing field, called for a new riveting tool with a much longer stroke, in order to speed up the placing of FIORIV blind rivets, which can be longer than 40 mm.
RIV500 has a total working stroke of 60 mm.
It can place blind rivets Ø 4.8 and Ø 6.4.
The nail goes out of the front part and drops.

## Performances

| Picture | Description | Ø |
|---|---|---|
| | Extra long Fioriv blind rivets (max lenght 200 mm) | 4.8 - 6.4 |



Set of extra long blind rivets example.

Extra long FIORIV applied on a hollow flat block.

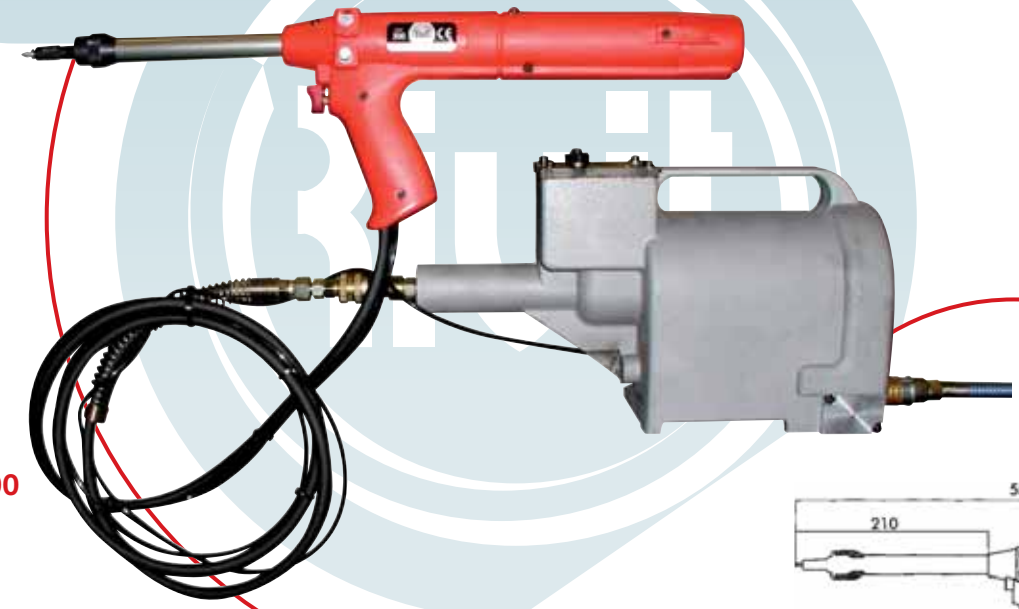
## Optionals

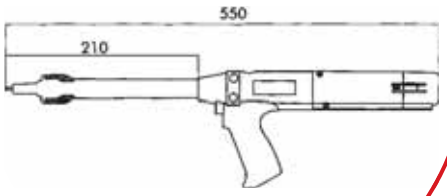
| Picture | Description | Code |
|---|---|---|
| | Nosepiece for blind rivets Ø 6.4 | **1781100** |

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Min-max air pressure | **5/7 bar** |
| Air consumption per cycle (6 bar) | **5 lt** |
| Stroke | **60 mm** |
| Max power (6 bar) | **6100 N** |
| Weight | **2.100 Kg** |

# RIV300 Hydropneumatic tool for speed rivets in cartridge





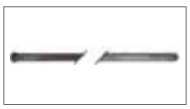

## Code 3010800

**To place speed rivets in cartridge.**

The speed rivets in cartridge can quickly and easily carry out repeating riveting. This system is ideal for light fastenings, and it is used specially for electronics, leather goods and computer applications.

## How to chose the spare parts

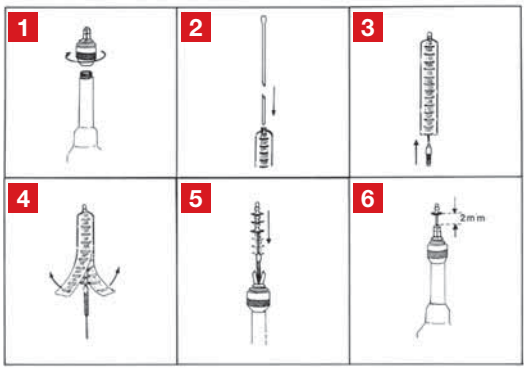
Head


Mandrel

Spring

**Spring, mandrel and head are chosen as follows:**
1. Head is selected according to the diameter of the blind rivet to be placed.
2. Mandrel is selected according to the blind rivet diameter and to the head model.
3. Spring is selected according to the mandrel.

## Assembly instructions



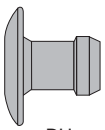

1. Screw the head.
2. Insert the mandrel inside the blind rivet cartridge.
3. Insert the spring in the mandrel.
4. Take away the blind rivet wrapper.
5. Insert the mandrel in the tool, by opening the jaws of the head.
6. Lock the tool jaws on the mandrel.

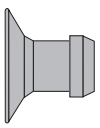
RIV300 is supplied with spare parts according to the diameter of the blind rivet to place.

## Technical data and features

| | |
|---|---|
| Air working pressure | **6 bar** |
| Air supply pressure (min-max) | **5-7 bar** |
| Free air volume required (5.1 bar) | **2.6 lt** |
| Stroke (min) | **30 mm** |
| Pull force (5.1 bar) | **3890 N** |
| Cycle time (approx.) | **1 sec.** |
| Noise level | **< 70 dB (A)** |
| Handle weight (without equipment) | **1.08 Kg** |
| Total weight (handle + compensator) | **9.0 Kg** |
| Overall length (without head) | **475 mm** |
| Vibrations | **< 2.5 m/s²** |

Speed rivets in cartridge are available in aluminium and steel, dome and countersunk head Ø 3.2, 4.0 and 4.8.


DH

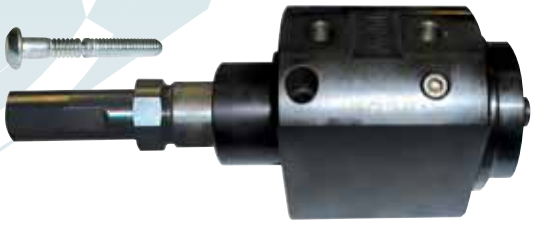

CSKH

# RIV600 Multi head riveting system

**RIV601**
Blind rivets module

**RIV602**
Rivet nuts module

**RIV603**
Speed rivets in cartridge module



**RIV604**
Blind bolts module

**RIV601** - Code 4101100
**RIV602** - Code 4345700
**RIV603** - Code 4259800
**RIV604** - Code 4259700

**Rivit Multi Head System is designed for setting several fasteners simultaneously.**

What the customers will surely appreciate in this most effective installation system, is not only the simultaneity of fasteners application, but also an outstanding reduction in implementation times of assembling operations. The hydraulic operated modules represent the main feature of the Rivit Multi Head Systems. They are all started by a centralized pressure multiplier.

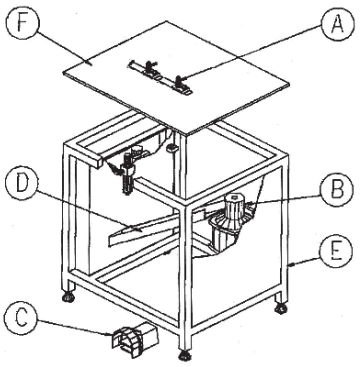
## Example of workbench equipped with modules

**Available in various sizes depending on the type of application.**

**These modules are projected to be installed on automatic lines; that's why they have to be proposed to the project engineers working for automation.**
These modules are hydropneumatic and must be supplied with oil, air and the corresponding control unit.

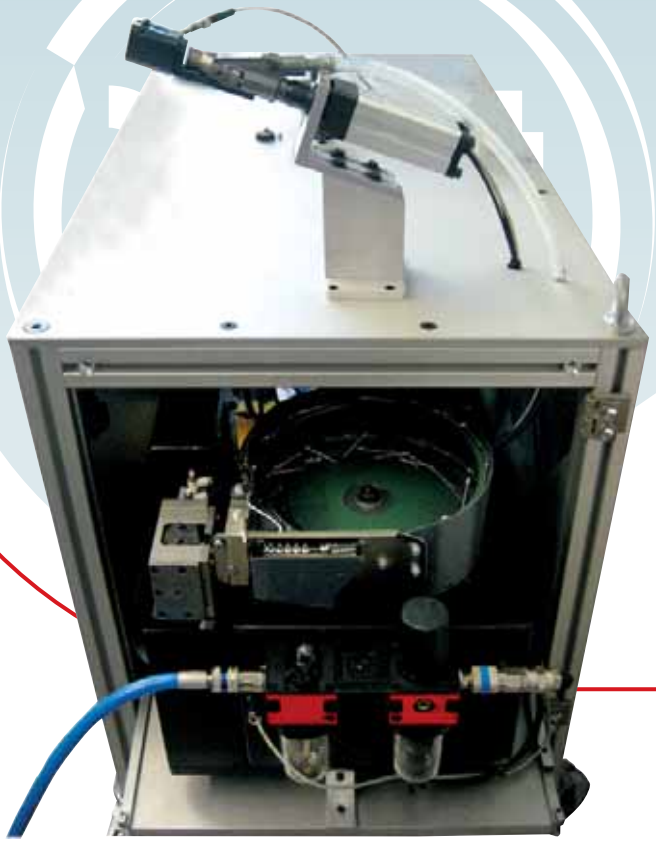
## Workstation legend

| | |
|---|---|
| A | Module |
| B | Booster for riveting/inserting with straight safety valve |
| C | Pedal control for riveting/inserting |
| D | Discharge chute for nails recovery |
| E | Aluminium frame |
| F | Supporting top |




Example of multi head system desk.

# RIV605 Semiautomatic feeder for blind rivets

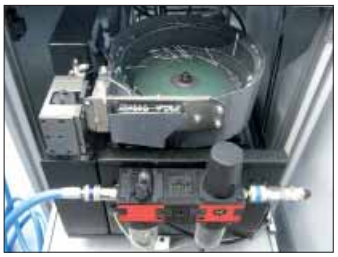


**RIV605-24** - For Ø 2.4
**RIV605-32** - For Ø 3.2
**RIV605-40** - For Ø 4.0
**RIV605-48** - For Ø 4.8

**To place blind rivets Ø 2.4 to 4.8, and for blind rivets 6.0 to 16.0 long.**

The semiautomatic blind rivet feeder is a pneumatic and electric tool, which allows inserting of the blind rivets directly inside the nozzle of the tool, and hence dramatically reducing riveting implementation times. It can be used only with riveting tools fitted with vacuum exhaust and mandrel storage systems, such as RIV502/RIV503/RIV505.
Each Rivit System, according to customers' requirements, can be used to assemble one sole blind rivet diameter, and is only one-tool-model compatible.

## Working steps



# RIV610 Automatic feeding tool for blind rivets

## Code 3770600

**To place standard blind rivets from Ø 3.2 up to Ø 4.8/5.0, all alloys, (as far as the head of the body of the rivet is not bigger than Ø 9.8).**

RIV610 is an electro hydropneumatic riveting tool with automatic feeding.
The working cycle is possible due to the feeding system on the head, thus avoiding the manual insertion of the rivet.

The tool comes equipped for one size of blind rivet, according to customer request.

## Switchboard description

## Technical data and features

| | |
|---|---|
| Min. air pressure | **6.5/7 bar** |
| Max power (6 bar) | **19000 N** |
| Vibrator | **220 V - 50 Hz** |
| Gun hose length | **2.5 m** |
| Tool dimensions (LxWxH) | **580x900x1000 mm** |

**Please note: this system constantly needs air pressure at 6.5 bar to work properly.**

# RIV900-901-903 Hand tools for rivet nuts

## RIV900
**Code 3676000** (weight: 910 g)

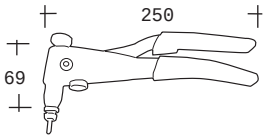
Performances

| Rivet nuts | Alu | Steel | S/steel |
|---|---|---|---|
| M3 | • | • | • |
| M4 | • | • | • |
| M5 | • | • | • |

## RIV900C
**Code 3687700** (weight: 3000 g)

Spare parts for RIVSERT

| Rivet nuts | Tie rod code | Head code |
|---|---|---|
| M3 | **3710300** | **3707200** |
| M4 | **3710400** | **3707300** |
| M5 | **3710500** | **3707400** |




## RIV901
**Code 3675900** (weight: 910 g)

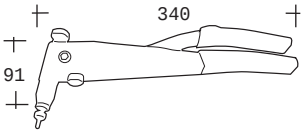
Performances

| Rivet nuts | Alu | Steel | S/steel |
|---|---|---|---|
| M3 | • | • | • |
| M4 | • | • | • |
| M5 | • | • | • |
| M6 | • | • | • |

## RIV901C
**Code 3687800** (weight: 3500 g)

Spare parts for RIVSERT

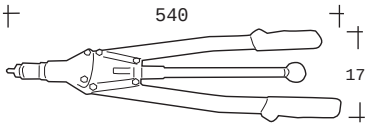
| Rivet nuts | Tie rod code | Head code |
|---|---|---|
| M3 | **3706800** | **3707200** |
| M4 | **3706900** | **3707300** |
| M5 | **3707000** | **3707400** |
| M6 | **3707100** | **3707500** |




## RIV903C
**Code 3675800** (weight: 2200 g)

Performances

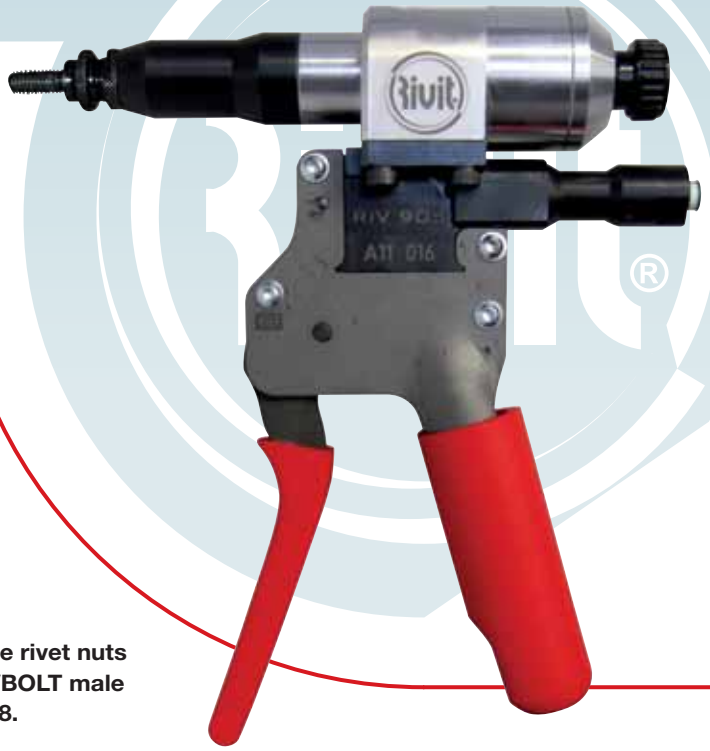
| Rivet nuts | Alu | Steel | S/steel |
|---|---|---|---|
| M3 | • | • | • |
| M4 | • | • | • |
| M5 | • | • | • |
| M6 | • | • | • |
| M8 | • | • | • |
| M10 | • | • | • |

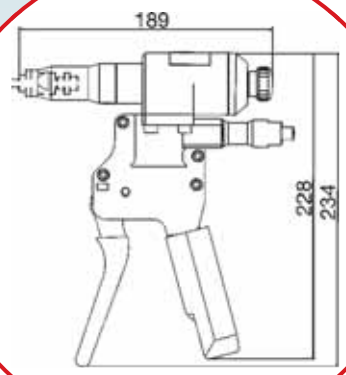



Spare parts for RIVSERT, TUBRIV & JACKRIV

| Rivet nuts | Tie rod code (Rivsert) | Head code | Tie rod code (Tubriv-Jackriv) | Head code |
|---|---|---|---|---|
| M3 | **3707600** | **3708200** | - | - |
| M4 | **3707700** | **3708300** | - | - |
| M5 | **3707800** | **3708400** | - | - |
| M6 | **3707900** | **3708500** | **4193900** | **3708500** |
| M8 | **3708000** | **3708600** | **4194000** | **3708600** |
| M10 | **3708100** | **3708700** | - | - |

# RIV905 Hydraulic hand tool for rivet nuts






## Code 4318900

**To place RIVSERT female rivet nuts from M3 to M12 and RIVBOLT male rivet nuts, from M4 to M8.**

Due to it's high setting force activated with oil, RIV905 is also able to place high-strength rivet nuts. RIV905 is simple to operate and easily handled. It can place left-handed thread rivet nuts.

## Spare parts for RIVSERT

| Ø rivet nut | Kit | Kit code | Screw code (DIN912 12.9) |
|---|---|---|---|
| M3 | 905/03 | **3441100** | **3457600** |
| M4 | 905/04 | **3441200** | **3470500** |
| M5 | 905/05 | **3441300** | **3471900** |
| M6 | 905/06 | **3441400** | **3472300** |
| M8 | 905/08 | **3441500** | **3472800** |
| M10 | 905/10 | **3441600** | **3473100** |
| M12 | 905/12 | **3441700** | **3473300** |

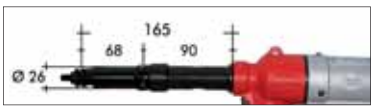
The tie rod is a 12.9 allen screw very easy to change.
Screw 12.9 can be ordered separately.

## Spare parts for RIVBOLT

| Ø rivet nut | Kit | Kit code | Code (female tie rod) |
|---|---|---|---|
| M4 | 905/04B | **3442300** | **3441900** |
| M5 | 905/05B | **3442400** | **3442000** |
| M6 | 905/06B | **3442500** | **3442100** |
| M8 | 905/08B | **3442600** | **3442200** |

## Optionals

| Description | Code |
|---|---|
| KIT905-Special extended head | **3531800** |




## Performances

| Rivet nuts Ø | Aluminium | Steel | S/steel |
|---|---|---|---|
| M3 | • | • | • |
| M4 | • | • | • |
| M5 | • | • | • |
| M6 | • | • | • |
| M8 | • | • | • |
| M10 | • | • | • |
| M12 | • | • | • |

## Technical data and features

| | |
|---|---|
| Stroke | **9 mm** |
| Max power (6 bar) | **25000 N** |
| Weight (without kit) | **1.611 Kg** |

## Setting oil pressure (force)

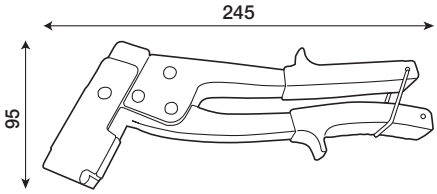
Turn the pin at the back of the tool with a 5 mm wrench spanner clockwise to increase oil pressure (force) and counterclockwise to reduce it.

| Full turns (A) | Setting force | Full turns (A) | Setting force |
|---|---|---|---|
| 0 | 1000N | 13 | 14800N |
| 6 | 3800N | 14 | 16000N |
| 7 | 5000N | 15 | 16950N |
| 8 | 6300N | 16 | 19000N |
| 9 | 7800N | 17 | 21000N |
| 10 | 9200N | 18 | 22200N |
| 11 | 10400N | 19 | 24000N |
| 12 | 12900N | 20 | 25000N |

# RIV918 Hand tool for JACKRIV from M4 to M8

RIV918

RIV918C




**RIV918**
**Code 4293200**
(Weight: 540 g)
(Tool only)

Performances

| Rivet nuts | Steel | Stainless steel |
|---|---|---|
| M4 | • | • |
| M5 | • | • |
| M6 | • | |
| M8 | • | |

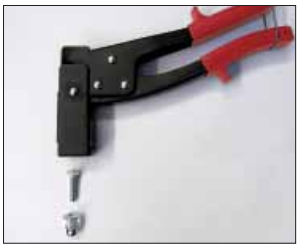
**RIV918C**
**Code 4333600**
(Weight: 680 g)

Case content:

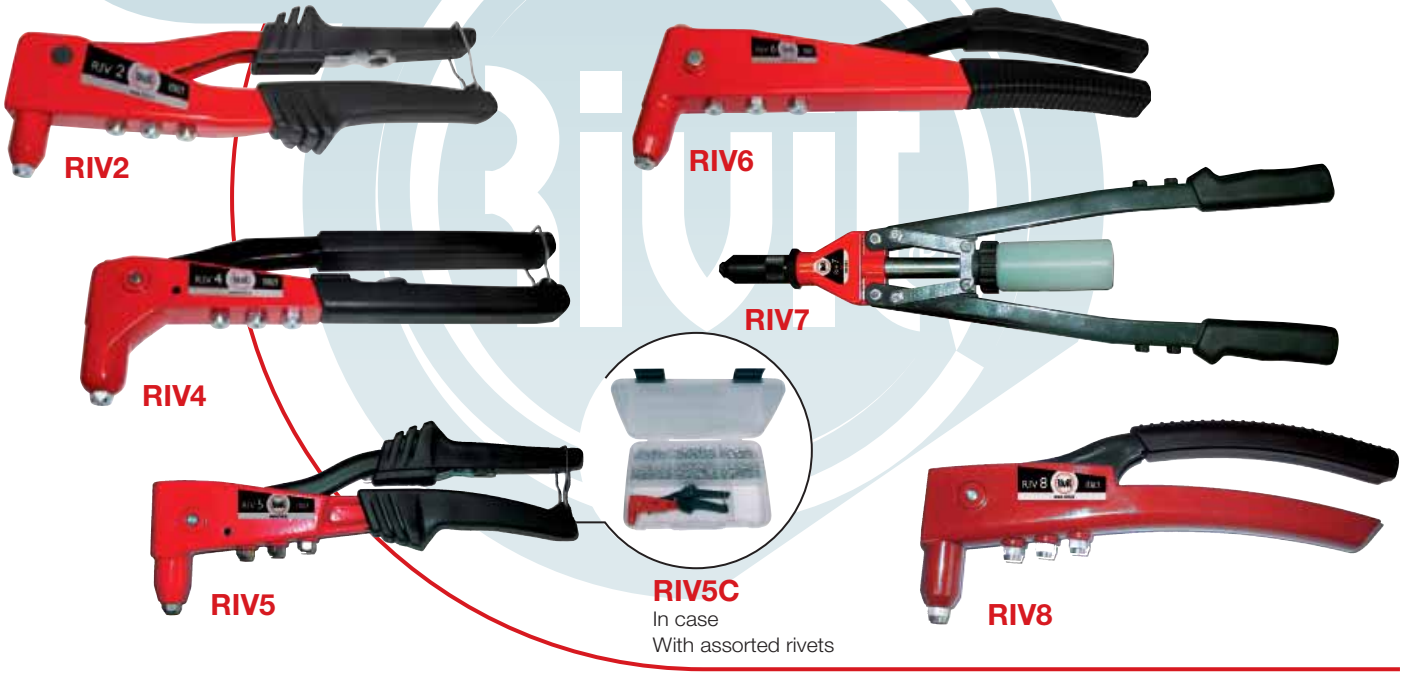
JACKRIV steel rivet nuts
M4, M5, M6 - 100 pz
M8 - 50 pz.

M4 x 25 screw - 1 pz.
M5 x 25 screw - 1 pz.
M6 x 25 screw - 1 pz.
M8 x 25 screw - 1 pz.

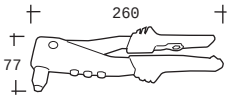
Applications



# RIV2-4-5-6-7-8 Hand tools for blind rivets




## RIV2
**Code 1249900** (weight: 510 g)

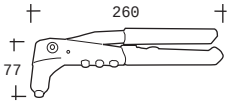



Performances

| Ø | Aluminium | Steel | Copper | S/steel |
|---|---|---|---|---|
| 2.4 | • | | • | |
| 3.0-3.2 | • | • | • | • |
| 4.0 | • | • | • | |
| 4.8 | • | | | |

With return spring.

## RIV4
**Code 1250000** (weight: 530 g)

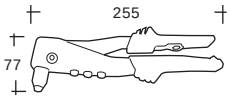



Performances

| Ø | Aluminium | Steel | Copper | S/steel |
|---|---|---|---|---|
| 2.4 | • | | • | |
| 3.0-3.2 | • | • | • | • |
| 4.0 | • | • | • | |
| 4.8 | • | | | |

With return spring.

## RIV5
**Code 1639800** (weight: 570 g)



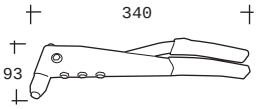

## RIV5C
**Code 4408300** (with blind rivets Ø 3.0-4.0-4.8)

Performances

| Ø | Aluminium | Steel | Copper | S/steel |
|---|---|---|---|---|
| 2.4 | • | | • | |
| 3.0-3.2 | • | • | • | • |
| 4.0 | • | • | • | • |
| 4.8 | • | | | |

With return spring.

## RIV6
**Code 0110400** (weight: 800 g)

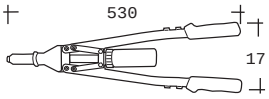



Performances

| Ø | Aluminium | Steel | Copper | S/steel |
|---|---|---|---|---|
| 2.4 | • | | • | |
| 3.0-3.2 | • | • | • | • |
| 4.0 | • | • | • | • |
| 4.8 | • | • | • | • |

Without return spring.

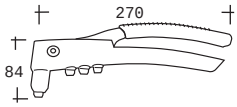
## RIV7
**Code 2338300** (weight: 1870 g)




Performances

| Ø | Aluminium | Steel | Copper | S/steel |
|---|---|---|---|---|
| 3.0-3.2 | • | • | • | • |
| 4.0 | • | • | • | • |
| 4.8 | • | • | • | • |
| 6.0 | • | • | • | • |
| 6.4 | • | • | • | • |

## RIV8
**Code 1540400** (weight: 590 g)

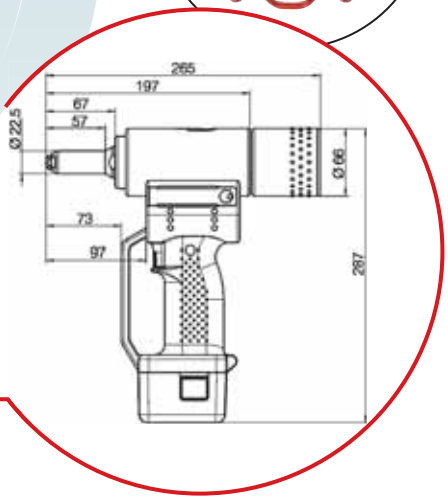



Performances

| Ø | Aluminium | Steel | Copper | S/steel |
|---|---|---|---|---|
| 2.4 | • | | • | |
| 3.0-3.2 | • | • | • | • |
| 4.0 | • | • | • | • |
| 4.8 | • | | | |

Without return spring.

# RIV750 14.4 V battery riveting tool up to Ø 4.8




LITHIUM
BATTERY

**Code 0114500**

**To place standard rivets up to Ø 4.8 (all alloys).**

The discharge of the mandrel is made through action of gravity, either forwards through the nosepiece or backwards into the mandrel container.

RIV750 is supplied in a metallic case with a lithium battery 1.3 Ah and a battery charger.

## Spare part

| Picture | Description | Ah | Code |
|---|---|---|---|
| | Lithium battery 14.4 V | 1.3 | **4207600** |
| | Lithium battery 14.4 V | 2.6 | **4207700** |
| | Battery charger | - | **4207500** |

## Optionals

| Description | blind rivet Ø | Code |
|---|---|---|
| Retention nosepiece | 2.4-3.0-3.2 | **1745200** |
| Retention nosepiece | 3.0-3.2-3.4-4.0 | **1079900** |
| Retention nosepiece | 3.4-4.0-4.8 | **1745300** |
| Retention nosepiece | 4.8 | **4042300** |
| Cone w/universal nosepiece | 2.4-3.2-4.0-4.8 | **1050700** |
| 200 mm extension | - | **4395800** |

**Retention nosepiece**
It firmly holds the blind rivet by a lateral ball.

**Cone with universal nosepiece**
Thanks to the rotation you can choose Ø 2.4÷3.2÷4.0÷4.8.

**Extension**
200 mm extension kit.

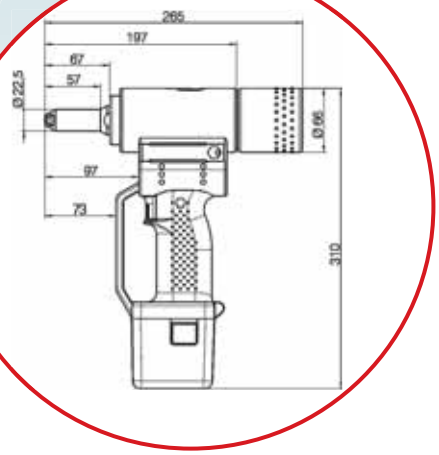
## Technical data and features

| | |
|---|---|
| Operating voltage | **14.4 V** |
| Stroke | **20 mm** |
| Battery charger | **200 W - 50 Hz** |
| Tensile strength | **8500 N** |
| Weight (with battery) | **1.980 Kg** |

## N° of blind rivets you can place (with one battery)

| rivet Ø | Material | N. rivets/battery |
|---|---|---|
| 2.4 | Aluminium | 1.900 |
| 2.9-3.2 | Aluminium | 1.300 |
| 2.9-3.2 | Steel | 1.100 |
| 2.9-3.2 | Stainless steel | 1.000 |
| 4.0 | Aluminium | 1.000 |
| 4.0 | Steel | 900 |
| 4.0 | Stainless steel | 800 |
| 4.8 | Aluminium | 700 |
| 4.8 | Steel | 500 |
| 4.8 | Stainless steel | 400 |

# RIV760 14.4 V battery riveting tool up to Ø 6.4




LITHIUM
BATTERY

## Code 1678700

**To place standard and structural steel rivets MAGNARIV and LOCKRIV from Ø 6.0 to Ø 6.4 mm and extralong FIORIV for roofing Ø 4.8-6.4.**

The discharge of the mandrel is made through action of gravity, either forwards through the nosepiece or backwards into the mandrel container.

RIV760 is supplied in a metallic case with a lithium battery 2.6 Ah and a battery charger.

## Spare part

| Picture | Description | Ah | Code |
|---|---|---|---|
| | Lithium battery 14.4 V | 2.6 | **4207700** |
| | Battery charger | - | **4207500** |

## Optionals

| Description | blind rivet Ø | Code |
|---|---|---|
| Retention nosepiece | 3.4-4.0-4.8 | **1079800** |
| Retention nosepiece | 6.0 | **2237400** |
| Cone w/universal nosepiece | 2.4-3.2-4.0-4.8 | **1050700** |
| 200 mm extension | - | **4395700** |

**Retention nosepiece**
It firmly holds the blind rivet by a lateral ball.

**Cone with universal nosepiece**
Thanks to the rotation you can choose Ø 2.4÷3.2÷4.0÷4.8.

**Extension**
200 mm extension kit.

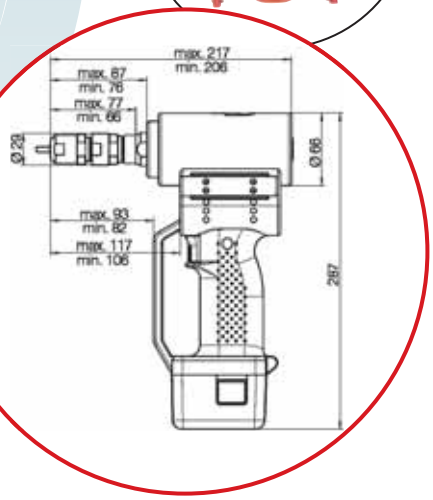
## Technical data and features

| | |
|---|---|
| Operating voltage | **14.4 V** |
| Stroke | **20 mm** |
| Battery charger | **200 W - 50 Hz** |
| Tensile strength | **13000 N** |
| Weight (with battery) | **2.235 Kg** |

## N° of blind rivets you can place (with one battery)

| rivet Ø | Material | N. rivets/battery |
|---|---|---|
| 4.8 | Aluminium | 700 |
| 4.8 | Steel | 500 |
| 4.8 | Stainless steel | 400 |
| 6.0 | Aluminium | 400 |
| 6.0 | Steel | 220 |
| 6.4 | Aluminium | 300 |
| 6.4 | Steel | 180 |

# RIV790 14.4 V battery tool for rivet nuts from M3 up to M10




LITHIUM
BATTERY

**Code 1551600**

**To place rivet nuts from M3 to M10.**

The rivet nut is positioned against the tie rod; pushing the trigger the rivet nut is automatically screwed against the head; pushing again the trigger we obtain the rivet nut deformation and the automatic unscrewing. Rivet nut clamping occurs by means of regulation of the front ring nuts. Compact and bumps resistant body. Versatile, to be used anywhere.

RIV790 is supplied in a metallic case, with a lithium battery 1.3 Ah, a battery charger, tie rods and heads.

## Spare part

| Picture | Description | Ah | Code |
|---|---|---|---|
| | Lithium battery 14.4 V | 1.3 | **4207600** |
| | Lithium battery 14.4 V | 2.6 | **4207700** |
| | Battery charger | - | **4207500** |

## Technical data and features

| | |
|---|---|
| Operating voltage | **14.4 V** |
| Stroke | **20 mm** |
| Battery charger | **200 W - 50 Hz** |
| Tensile strength | **13000 N** |
| Weight (with battery) | **2.374 Kg** |

## Spare parts for RIVSERT

| Ø rivet nut | Tie rod code | Head code |
|---|---|---|
| ○ M3 | **1551700** | **1552300** |
| • M4 | **1551800** | **1552400** |
| • M5 | **1551900** | **1552500** |
| • M6 | **1552000** | **1552600** |
| ○ M8 | **1552100** | **1552700** |
| * ○ M10 | **1552200** | **1552800** |

* Aluminium only.
• Supplied with the tool.
○ On request.

## Spare parts for TUBRIV/JACKRIV

| Ø rivet nut | Tie rod code | Head code |
|---|---|---|
| M6 | **4194100** | **1552600** |
| M8 | **4194200** | **1552700** |

# RIVST80 Capacitor discharge stud welding tool

The gun works through the contact welding method.

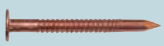
## Code 2733700

**RIVST80 is suitable for the welding of steel, stainless steel A2, M3-M8 brass and aluminum up to M6 studs with the use of the appropriate gun.**

RIVST80 operates according to the discharge of capacitor method.
Since the machine is completely electronic, it isn't subject to usury because it automatically stabilizes the oscillation of the main voltage.
**Weight of welder: 13.0 kg**
**Weight of gun: 0.7 kg**

RIVST80 is supplied in a metallic case with noses for studs M3 to M8 and for tapped studs M3 and M4.

## Item for RIVST80

| Picture | Description |
|---|---|
| | Threaded studs |
| | Unthreaded studs |
| | Tapped studs |
| | 1 Contact faston |
| | 2 Contact faston |
|  | Insulation nails |
| | Washer for insulation nails |

Welding fasteners which can be placed with RIVST80.

## Items on request

| Type | Use | Code |
|---|---|---|
| | Angular support for the gun: to be used when placing the stud in a corner or close to a wall | **1616000** |
| | Nose for 1 contact or 2 contact fastons: to be used when placing fastons for electric contact or grounding | **1660400** |
| | Nose for unthreaded studs Ø 7.1 and tapped studs M5: to be used when placing unthreaded studs with external Ø 7.1 and tapped studs M5 | **0326000** |
| | Gun for aluminum soldering pins | **2895600** |

# RIV3450P Orbital riveting machine

new

## Code 4485500

**For solid rivets from ø 2.0 to 6.0, and for semi-tubular and tubular rivets from ø 3.0 to 8.0.**

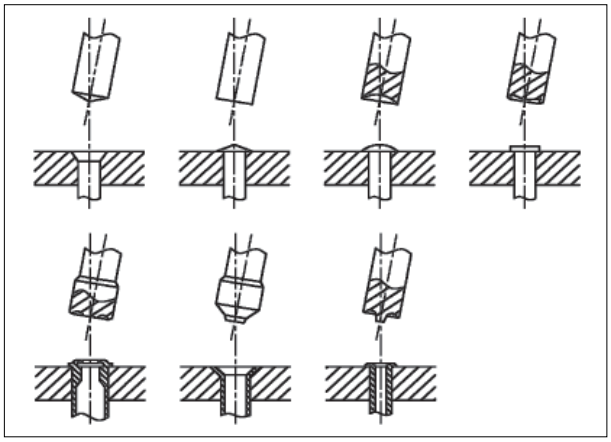
RIV3450P is and electro pneumatic bench tool for rivets, for industry and professional applications. Ideal to be used on metal and hard resins and not for wood fibers and plastics.
**It comes without punch and die.**

## Optionals

| Description | Code |
|---|---|
| Couple of punches for solid rivets Ø 2.0-4.0 | **4485600** |
| Couple of punches for solid rivets Ø 5.0-6.0 | **4485700** |

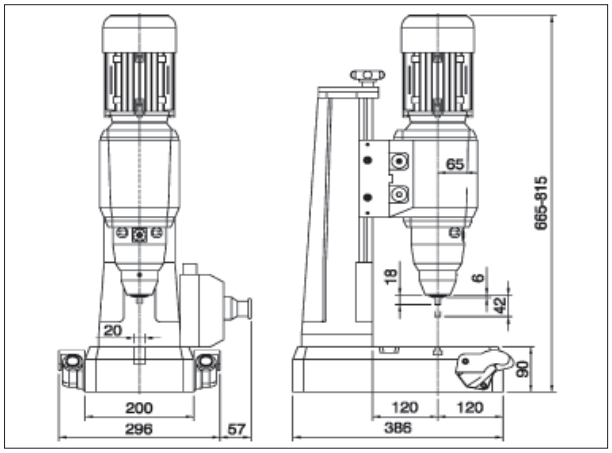
Tailored-made punch to be realized according to the size and shape of the rivet head.
For the semi-tubular and tubular rivets, it is necessary to make a punch according to the size of the inner and outer hole, the rivet ledge from the surface.

## Examples of assembling



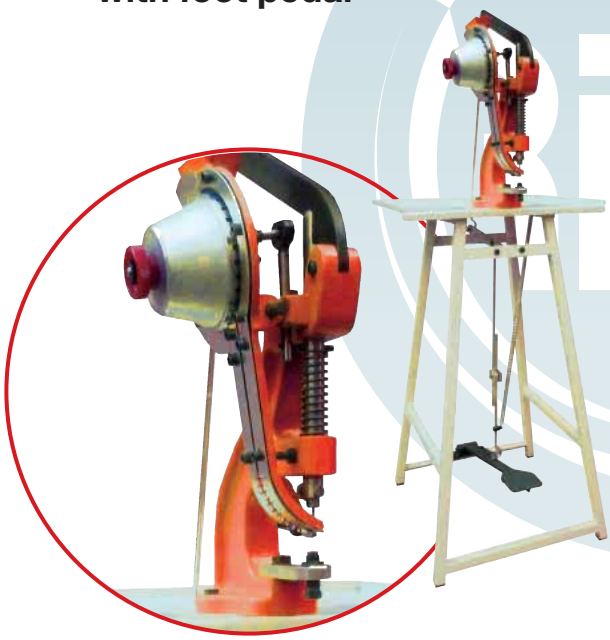
## Technical data and features

| | |
|---|---|
| Riveting capacity solid steel R=40 kg/mm² | **Ø 2-6 mm** |
| Riveting c.ty semi tubular steel R=40 kg/mm² | **Ø 2-8 mm** |
| Riveting capacity solid s/steel R=40 kg/mm² | **Ø 2-4 mm** |
| Riveting c.ty semi tubular s/steel R=40 kg/mm² | **Ø 2-5 mm** |
| Micrometric control stroke | **0-30 mm** |
| Port min and max | **35-185 mm** |
| Work table | **220x185 mm** |
| "T" slot | **8 x 16 mm** |
| Locating hole | **20 mm** |
| Tool diameter | **10 mm** |
| Distance between centers | **120 mm** |
| Punch length | **39 mm** |
| Line voltage | **380V/50Hz** |
| Line pressure | **3.0-6.0 bar** |
| Working pressure | **2.5-6.0 bar** |
| Total weight | **71 Kg** |



# RIVOM06

## Mechanical eyelet press with foot pedal



### Codice 3248400

**For eyelets of small and medium dimensions.**

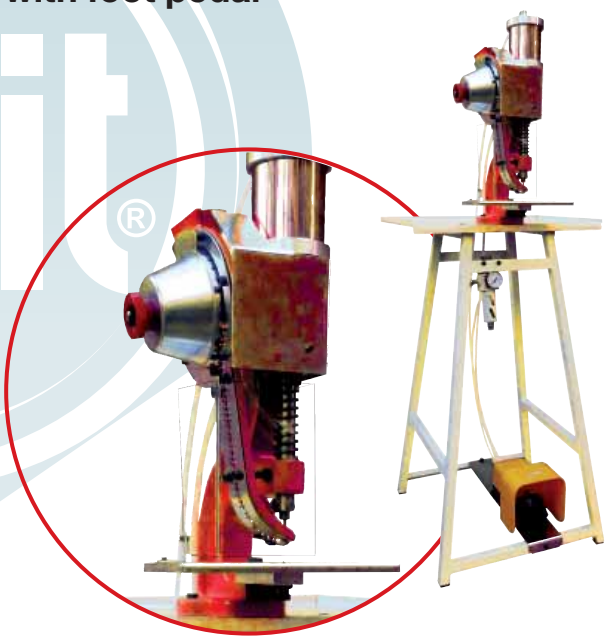
Cast iron stand. Pedal made of spheroidal graphite cast iron. Bench frame in tubular iron 25x25 mm with table plate of 520x380 mm.
Adjustable distance between the upper and lower punch.
Autoloader.

### Technical data and features

| | |
|---|---|
| Height | **1400 mm** |
| Work bench height | **960 mm** |
| Table width | **520 mm** |
| Work bench depth | **125 mm** |
| Weight (table included) | **26 Kg** |

# RIVOP10

## Pneumatic eyelet press with foot pedal



### Codice 2319800

**For eyelets of small dimensions.**

Cast iron stand. Table frame in iron 25x25. Painted table plate of 380x530x3. It can be equipped with bolster and square. Fixed protection of sheet metal and polycarbonate.
Minimum operating pressure 6 bar.
Adjustable distance between the upper and lower punch.

### Technical data and features

| | |
|---|---|
| Height | **1400 mm** |
| Work bench height | **960 mm** |
| Work bench depth | **125 mm** |
| Air consumption at 6 bar (60 strokes/min) | **50 1/min** |
| Weight (table included) | **28 Kg** |

## Complete line of eyelet presses

**RIVOM08**
Eyelet press with mechanical foot pedal.
**Cod. 2319700**

**RIVOP05**
Pneumatic double eyelet press.
**Cod. 2343500**

**RIVOM05**
Double eyelet press with mechanical pedal.
**Cod. 4526800**

**RIVOP07**
Eyelet press with pneumatic table.
**Cod. 3259700**

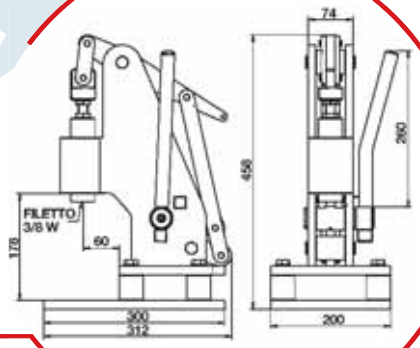
**RIVOM07**
Eyelet press with mechanical pedal.
**Cod. 2705900**

**RIVOM09**
Manual eyelet press.
**Cod. 4527000**

**RIVOM12**
Portable eyelet press with lever.
**Cod. 2484500**

**S2-S3-S4-S5**
Manual press for eyelet.
**Cod. 0289300** (S2)
**Cod. 0289400** (S3)
**Cod. 0289500** (S4)
**Cod. 0289600** (S4)

# RIV2100 Manual press for self-clinching throat depth 85




## Code 0286800

**To place studs, nuts and standoffs from M2 to M8.**

Extremely simple construction, high lever operating/pressing force ratio and highest safeguard while working.
Press fundamental feature is the easy and quick interchange and adjusting of the punches and dies.
It doesn't work with any energy source, apart the manual force, thanks to the lateral lever that with a move of 90° can enable a high pressure.

RIV2100 needs to be completed with punches and dies that suit the product to be installed (to be ordered separately).

## Technical data and features

| | |
|---|---|
| Height | **400 mm** |
| Width | **200 mm** |
| Length | **300 mm** |
| Weight | **20 Kg** |
| Pressing force (level operating force for 30Kg) | **1600 Kg** |

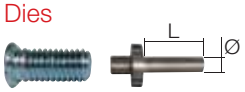
Micrometric pressure regulation.
Micrometric stroke regulation.

## Set for studs RFH and RFHS

### Punches

| Ø x L | For studs | Code |
|---|---|---|
| 6 x 32 | M2-M5 | **2784000** |
| 10 x 40 | M6-M8 | **2863100** |

### Dies



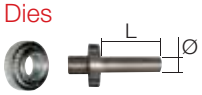

| Ø x L | For studs | Code |
|---|---|---|
| 10 x 43 | M2 | **2864000** |
| 10 x 43 | M2.5 | **2863700** |
| 10 x 43 | M3 | **2784100** |
| 11 x 43 | M4 | **2784200** |
| 12 x 43 | M5 | **2784300** |
| 13 X 43 | M6 | **2784400** |
| 15 x 43 | M8 | **2784500** |

## Set for nuts RS and RCLS

### Punches

| Ø x L | For nuts | Code |
|---|---|---|
| 6 x 32 | M2-M5 | **2784000** |
| 10 x 40 | M6-M8 | **2863200** |

### Dies



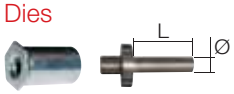

| Ø x L | For nuts | Code |
|---|---|---|
| 10 x 43 | M2 | **2894700** |
| 10 x 43 | M2.5 | **2784600** |
| 10 x 43 | M3 | **2784600** |
| 12 x 43 | M4 | **2784700** |
| 12 x 43 | M5 | **2784800** |
| 14 X 43 | M6 | **2784900** |
| 16 x 43 | M8 | **2785000** |

## Set for standoffs RSO and RBSO

### Punches

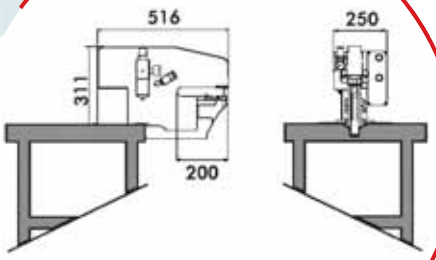
| Ø x L | For standoffs | Code |
|---|---|---|
| 6 x 32 | M2-M5 | **2784000** |
| 10 x 40 | M6-M8 | **2863100** |

### Dies




| Ø x L | For standoffs | Code |
|---|---|---|
| 11 x 43 | M3 | **2785100** |
| 12 x 43 | M3.5 | **2785200** |
| 14 X 43 | M4 | **2864100** |
| 14 x 43 | M5 | **2864100** |

# RIV2200 Pneumatic press for self-clinching throat depth 200



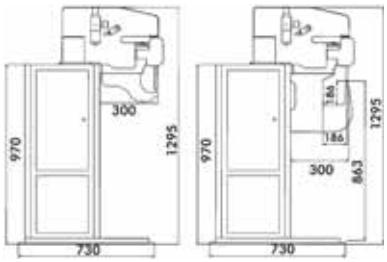

## Code 4314200
Press without stand

**8 dies included (4 for nuts, 4 for studs for M3, M4, M5, M6 and on request M8).**

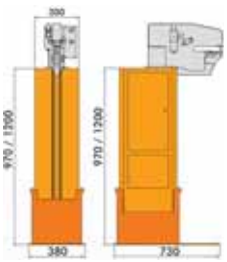
RIV2200 is a pneumatic press for self-clinching fasteners that is small in size but great in its performance.
**Flexibility:** compactness and geometry of the structure allow to install inserts with a force that goes up to 6.000 kg for a vast numbers/types of shapes.
**Safety:** Moving saddles reduce the distance between the anvil and the punch within the values of safety.
Wide use in many production lines.

## Optionals

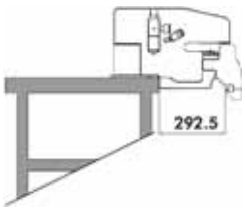
| Description | Code |
|---|---|
| Fixed stand 970 mm | **4330300** |
| Risable stand 970-1200 mm | **4314300** |
| Accessory N° 2 | **4314400** |
| Accessory N° 1 | **4330200** |



Accessory N°2.



Risable stand.



Accessory N°1.

## Technical data and features

| | |
|---|---|
| Compressed air drive | **6-10 bar** |
| Power | **220 V - 100 W** |
| Force range | **280 Kg - 6000 Kg** |
| Max sheet thickness | **3 mm** |
| Weight with/without stand | **50/140 Kg** |
| Size of the package | **80 x 70 x 148 mm** |

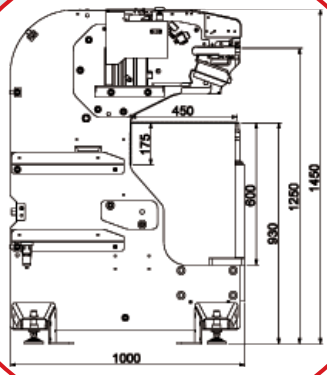
### Accessory N°2 application

Accessory N°2, with its changeable frames, that can be made also as per Customer's drawings, enables you to insert fasteners in box-shaped pieces and in the most varied shapes of metal sheets.
**In order to utilize Accessory N°2, it is mandatory to install the press on its stand.**

### Accessory N°1 application

Accessory N°1 enables you to insert fasteners in "C"- like pieces.

# RIV2450 Pneumatic press for self-clinching throat depth 450




## Code 4390000

**8 dies included (4 for nuts, 4 for studs for M3, M4, M5, M6 and on request M8).**

RIV2450 was made to be safe, flexible, compact, economical, easy to use and maintain.

**Flexibility:** the structure of the press and its interchangeable frames allow the installation of self-clinching fasteners in box-shaped pieces, frames and metal manufactures of big dimensions, already bent and also geometrically very complex. The eccentric dies allow the installation of self-clinching fasteners very close to the edges and to the bends.

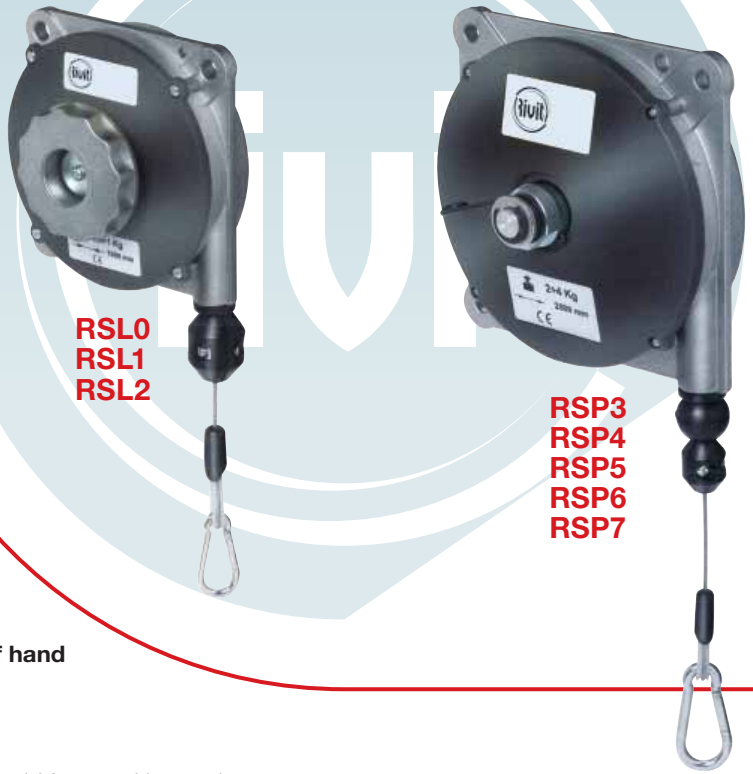
## Optional

**N°4 shape for "C"-like boxes.**

## Technical data and features

| | |
|---|---|
| Power | **6-8 bar** |
| Force range | **7 Tons** |
| Max sheet thickness | **3 mm** |
| Weight | **400 Kg** |
| Size of the package | **730 x 1200 x 1585 mm** |

# ACCESSORIES Spring balancers




**Balancers to hold the weight of hand tools, screw drivers, etc.**

The balancers are an indispensable aid for repetitive works, assemblies, serial productions, packaging, etc.
They are made with high quality materials and they can stand particularly heavy working cycles. They come in two different sizes.

**Technical Features:**
aluminium pressure die casting housing | steel supporting rope (item RSL0, RSL1, RSL2: Ø 2 mm - item RSP3, RSP4, RSP5, RSP6, RSP7: Ø 2,5 mm) | continuous load balancing from maximum to minimum value | stroke of the rope easily adjustable to adapt to every requirement | three suspension points to ensure the maximum safety, as by regulations | three anchor points to ensure maximum flexibility.

Used with lower hook.

Used with upper hook.

## Technical data and features

| Model | Capacity Min | Kg Max | Stroke mm | Weight Kg | Code |
|---|---|---|---|---|---|
| RSL0 | 0.4 | 1.0 | 1600 | 0.63 | **0523000** |
| RSL1 | 1.0 | 2.0 | 1600 | 0.67 | **0523100** |
| RSL2 | 2.0 | 3.0 | 1600 | 0.79 | **0523200** |
| RSP3 | 2.0 | 4.0 | 2500 | 2.85 | **0523300** |
| RSP4 | 4.0 | 6.0 | 2500 | 3.00 | **1776100** |
| RSP5 | 6.0 | 8.0 | 2500 | 3.10 | **3397400** |
| RSP6 | 8.0 | 10.0 | 2500 | 3.20 | **3197100** |
| RSP7 | 10.0 | 14.0 | 2500 | 3.50 | **3109000** |

## Optionals

| Picture | Description | L | Code |
|---|---|---|---|
| | Coiled air tube kit for RSL series | 115 cm | **1057800** |

Kit application on the balancer.

AUTHORIZED **DEALER**

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cod. 35365 - february 2014