



# Соединительные трубки и съёмники

PIPES &  
CONNECTIONS

UNIT-INJECTORS

# PIPES

## HIGH PRESSURE FLEXIBLE PIPES



| Code Sirini | Bosch code    | Dimension   | Nut   | Description            |
|-------------|---------------|-------------|-------|------------------------|
| AAT005-00   |               | 6X2X300MM   | 14X14 | High pressure Flexible |
| AAT006-00   |               | 6X2X300MM   | 14X12 | High pressure Flexible |
| AAT007-00   |               | 6X2X300MM   | 12X12 | High pressure Flexible |
| AAT000-FX   | 1.680.750.000 | 6X2X400MM   | 14X14 | High pressure Flexible |
| AAT001-FX   | 1.680.750.001 | 6X2X400MM   | 12X14 | High pressure Flexible |
| AAT011-FX   |               | 6X2X400MM   | 12X12 | High pressure Flexible |
| AAT073-FX   | 1.680.750.073 | 6X2X450MM   | 12X14 | High pressure Flexible |
| AAT450-FX   |               | 6X2X450MM   | 14X14 | High pressure Flexible |
| AAT020-FX   | 1.680.750.020 | 6X2X500MM   | 12X14 | High pressure Flexible |
| AAT021-FX   | 1.680.750.021 | 6X2X500MM   | 14X14 | High pressure Flexible |
| AAT008-FX   | 1.680.750.008 | 6X2X600MM   | 14X14 | High pressure Flexible |
| AAT010-FX   | 1.680.750.010 | 6X2X600MM   | 12X12 | High pressure Flexible |
| AAT014-FX   | 1.680.750.014 | 6X2X600MM   | 12X14 | High pressure Flexible |
| AAT700-FX   |               | 6X2X700MM   | 12X14 | High pressure Flexible |
| AAT701-FX   |               | 6X2X700MM   | 14X14 | High pressure Flexible |
| AAT702-FX   |               | 6X2X700MM   | 12X12 | High pressure Flexible |
| AAT017-FX   | 1.680.750.017 | 6X2X840MM   | 12X14 | High pressure Flexible |
| AAT028-FX   | 1.680.750.028 | 6X2X840MM   | 14X14 | High pressure Flexible |
| AAT085-FX   | 1.680.750.085 | 6X2.2X350MM | 12X14 | High pressure Flexible |

## PIPES

### HIGH PRESSURE PIPES X PUMP VP

| Code Sirini | Bosch code    | Old Bosch code | Dimension   | Nut   | Description            |
|-------------|---------------|----------------|-------------|-------|------------------------|
| AAT100-BH   | 1.680.750.100 | 1.680.750.091  | 6X2.2X350MM | 12X14 | High pressure RIGIDO   |
| AAT101-BH   | 1.680.750.101 | 1.680.750.092  | 6X2.2X450MM | 14X14 | High pressure RIGIDO   |
| AAT102-BH   | 1.680.750.102 | 1.680.750.093  | 6X2X845MM   | 14X14 | High pressure Flexible |
| AAT103-BH   | 1.680.750.103 | 1.680.750.096  | 6X2X450MM   | 12X14 | High pressure Flexible |

Attention: these pipes are sold individually and are compatible with the original ones BOSCH

### PIPES FOR TEST BENCH EPS 815



AAT227-FX

| Code Sirini | Bosch code    | Dimension  | Nut   | Description                             |
|-------------|---------------|------------|-------|---|
| AAT227-FX   | 1.680.712.227 | 6X2X1000MM | 14X12 | with shaped connection high press. flex |
| AAT229-FX   | 1.680.712.229 | 6X2X1000MM | 14X12 | high pressure flexible                  |
| AAT815-00   | 1.680.712.230 | 6X2X1000MM | 14X14 | high pressure flexible BLU              |



AAT105-BH – 1.680.750.105 High pressure



AAT110-BH – 1.680.750.110 High pressure



AAT120-BH – 1.680.750.120 High pressure

## PIPES

### PIPES FOR TEST BENCH AVM



AAT200-AVM – COUPLE OF SHAPED PIPES X AVM DELPHI

Similar: AHP5009 – AHP5010

### SPECIAL PIPES

AAT099-00 – ROOSA MASTER PIPE

Shaped pipe for testing the calibration of Roosa Master injector



### CONNECTION FOR TEST BENCH PIPES



AAZ010-30 – CONNECTION 14F X 12M

AAZ010-31 – CONNECTION 12F X 14M

AAZ010-35 – CONNECTION 16F X 14M



AAZ010-36 – CONNECTION 16F X 14F

To connect Bosch Piezo injector to test bench pipes

Special for EPS708

Adaptable to pipes 1.680.750.122 and 1.680.750.121

AAZ034-CP4 – CONNECTION FOR HIGH PRESSURE JOINT ON CP4 PUMP

To use with pipes with connection of 14mm

We suggest to buy nr. 2 pieces.



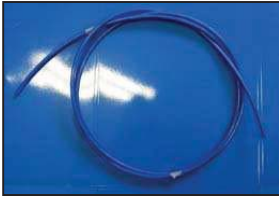
# PIPES

## RIGID PIPES FOR TEST BENCH

| Sirini Code      | Codes  | Measures      | Nut in mm  | Test pressure line for.....   |
|------------------|--|---------------|------------|---|
| Codice Sirini    | Codici   | Misure        | Dado in mm | Tubi banchi prova per....   |
| <b>AAT001-CR</b> |  | 6X2.4X155     | 14X14      | Common rail nozzleholders   |
| <b>AAT002-CR</b> |  | 6X2.4X155     | 12X14      | Common rail nozzleholders   |
| <b>AAT003-CR</b> |  | 6X2.4X155     | 12X12      | Common rail nozzleholders   |
| <b>AAT008-00</b> | 1.680.750.008  | 6 X 2 X 600   | 14 X 14    | A, MW pumps   |
| <b>AAT014-00</b> | 1.680.750.014  | 6 X 2 X 600   | 12 X 14    | K, A, M, MW pumps   |
| <b>AAT015-00</b> | 1.680.750.015  | 6 X 3 X 600   | 14 X 14    | A, B, P (fino a pompante .), S7000 su Scania (con portainietto 019)<br>A, B, P (up to 11mm. of pumping group), S7000 on Scania (with nozzle holder 019) |
| <b>AAT017-00</b> | 1.680.750.017  | 6 X 2 X 840   | 12 X 14    | VA, VM, VE, F, NP, VE pumps   |
| <b>AAT021-00</b> | 1.680.750.021  | 6 X 2 X 500   | 14 X 14    | CAV, SIMMS, GR.B pumps  |
| <b>AAT028-00</b> | 1.680.750.028  | 6 X 2 X 840   | 14 X 14    | VA, VE pumps  |
| <b>AAT060-00</b> | 1.680.750.060  | 8 X 2 X 1000  | 14 X 18    | 12mm. P pumps   |
| <b>AAT069-00</b> | 1.680.750.069  | 8 X 4 X 1500  | 18 X 18    | PEV, ZWM pumps  |
| <b>AAT073-00</b> | 1.680.750.073  | 6 X 2 X 450   | 12 X 14    | VE, BMW pumps   |
| <b>AAT074-00</b> | 1.680.750.074  | 8 X 3 X 1000  | 14 X 16    | Pomp P 12mm. con piastrina foro calibrato<br>. P pumps with orelice plate with calibrated hole  |
| <b>AAT075-00</b> | 1.680.750.075<br>sostituisce<br>replace<br>1.680.750.067 | 8 x 3 x 1000  | 14 x 14    | P, S7100, S7800 pumps   |
| <b>AAT085-00</b> | 1.680.750.085  | 6 X 1.6 X 350 | 12 X 14    | Pompa VE con iniettore diretto e rapido<br>VE pumps with high-speed direct injection engine   |
| <b>AAT089-00</b> | 1.680.750.089  | 8 X 3 X 600   | 14 X 14    | A, P, MW pumps  |
| <b>AAT114-00</b> | AHP114   | 6 X 2.5 X 330 | 12 X 12    | Epic PSA pumps  |
| <b>AAT126-00</b> | AHP126   | 6 X 1.6 X 365 | 12 X 12    | Epic Ford pumps   |
| <b>AAT133-00</b> | AHP133   | 6 X 1.8 X 450 | 12 X 14    | DP200 pumps   |
| <b>AAT134-00</b> | AHP134   | 6 X 1.5 X 710 | 12 X 14    | DP200 pumps   |

# PIPES

## RILSAN PIPES



### AAT099-CR – RILSAN PIPE

To connect common rail injectors to the test bench

Length: 2 mt

### AAT099-CR2 – DOUBLE RILSAN PIPE

To connect common rail injectors to the test bench

Pipe composed of nr. 2 pipes, one red and one black

Length: 1,30 mt



### AAT099-CR8 – MULTI-RILASAN PIPE

To connect common rail injectors to the test bench

Tubo composed of nr. 8 pipes of different colors

Length: 1,50 mt

*We can built pipes of each kind of dimension, rigid and flexible; useful to work up at low and high bar (up to 2500/3000 bar).*

# UNIT-INJECTOR UI-UP

## Wrenches and tools for Volkswagen



### **AE0247-494 Puller for unit injector VW 2° generation**

Puller from the engine.

For unit injector VW 2° serie – Bosch – Siemens

Similar: 0.986.611.494

To be used with our sliding hammer code AE0226-00



### **AE0226-00 – Sliding hammer Length: 340 mm**



### **AE0247-03 Sliding hammer**

Sliding hammer for unit-injectors Volkswagen.

Similar: 0.986.612.750



### **AZ0128-31 Timing tool for Volkswagen – Seat 1.2-3 cylinders**

It is composed with:

- 1) Tool for blocking the driveshaft
- 2) Blocking pin for cam-shaft



### **AC0492-00 Bush wrench 1000 teeth VW Lupo**

To mount and dismount the bracket of unit-injector UIS

# UNIT-INJECTOR UI-UP



## **AC0502-00 Dismounting wrench for solenoid Hes. 37mm**

Poligonal wrench to dismount unit-injector VW and Audi A6 solenoid.

Unit-injector code:

0.414.720.029

0.414.720.215



## **AC0504-00 Dismounting wrench for solenoid 12 sides**

Wrench to dismount the solenoid of unit-injector VW and Audi A6 with 12 teeth.

Unit-injector code:

0.414.720.404



## **AC0503-00 Dismouting wrench for nut**

Wrench to dismount the nut of unit-injector VW and Audi A6 with 18 teeth.

Unit-injector code:

0.414.720.404



## **AC0506-20 Dismount wrench for nut**

Octagonal wrench to dismount the nut of Volkswagen unit-injector.

Wrench dimension: octagonal 20 mm



## **AC0512-00 Wrench to dismount ring-nut of UI-P VW SIEMENS - PIEZO**

Wrench dimension: Hexagonal 29mm



## UNIT-INJECTOR UI-UP



**AC0513-00 Wrench to dismount ring-nut of UI-P VW SIEMENS - PIEZO**

Wrench dimension: Octagonal 30mm



**AC514-00 Wrench to dismount solenoid of UI-P SIEMENS VW PIEZO**

Wrench dimension: 25 mm 12 sides.



**AC515-00 Wrench to dismount nut of UI-P SIEMENS VW PIEZO**

Wrench dimension: octagonal 17mm

**AC0600-KIT Kit of wrechtes:**

AC0513-00

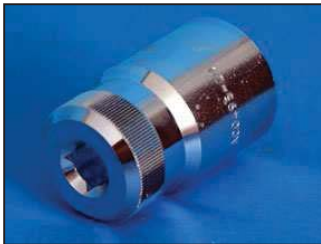
AC0514-00

AC0515-00

The wrench are sold also individually

# UNIT-INJECTOR UI-UP

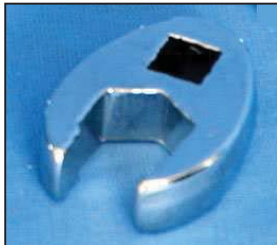
## Wrenches for Bosch - Iveco



### AC0495-00 Wrench for Solenoid Bosch - Iveco

Octagonal wrench to dismount solenoid of unit-injector Bosch-Iveco (38mm).

Similar: 0.986.613.239



### AZ0501-CR32 Wrench to dismount the nut of Iveco Cursor

Open hexagonal wrench with dynamometric connection 1/2" to dismount the nut of unit-injector Iveco Cursor

Wrench dimension: diam. 32mm



### AZ0128-50 Tool for timing adjustment of phonic disc on camshaft - IVECO CURSOR

Pins for timing on phonic wheel /PMS on IVECO CURSOR 8/10/13

Similar: Iveco 99360612 - 99360613

They are INDISPENSABLE for timing

## Wrench for Cummins



### AC0517-00 Wrench to dismount the nut of CUMMINS

Wrench to dismount the nut of unit-injector CUMMINS

Nut code: 3652541 – PXDR0796

# UNIT-INJECTOR UI-UP

## Wrenches for Volvo



### **AC0507-00 Wrench to dismount solenoid of Volvo**

Thotted wrench to dismount solenoid of Volvo (36mm)



### **AC0496-00 Wrench to dismount the nut Volvo-Delphi**

Wrench to dismount the nut of Volvo Delphi 500HP

Diam: 39mm

It can be used also as a mask to open the nut of unit-injector Volvo with diam. 39mm without conjunction holes.



### **AB0130-00 Clamp to dismount unit injector**

Clamp to open the nut of unit injector Volvo-Delphi

To open the nut without hexagon or holes

To be used on a vice



### **AC0550-00 Wrench to open unit injector**

Wrench to open the nut of unit injector **Volvo-Delphi-Rover**

To open the nut without hexagon or holes

It can be used on vice AZ0313-CR to avoid breaking the pins

# UNIT-INJECTOR UI-UP

## Wrench for Rover



**AC0494-00 Wrench to dismount the nut Rover**

Wrench with 4 pins to dismount the nut of unit-injector Rover

## Caterpillar



**AZ0090-00 Kit for calibration unit injector Caterpillar type 127**

Type 127      ...8216  
                  ...8218  
                  ...8222  
                  ...8225

Engine 3114-3116

# UNIT-INJECTOR UI-UP

## Dismounting plates



### **AB0127-00 Unit-injector plate**

Unit-injector plate to dismount unit-injector.

To be used with our swivel vice (AZ0134-00 – swivel vice for rotative pumps)

Wrench dimensions: 28.2mm; 32.5mm; 39.5mm

Similar: 0.986.613.237



### **AZ0134-00 Swivel vice for rotative pumps**

Base vice to fix our unit-injector plate AB0127-00



### **AB0128-00 Plate to fix unit injectors (ACTROS –ATEGO)**

Similar: 0.986.613.000

To be used with swivel vice (AZ0134-00 or on AA2919-00 with AA2963-00)



### **AA2963-00 Plate for swivel vice**

Similar: KDEP 2963 – 0.986.611.358



### **AA2919-00**

# UNIT-INJECTOR UI-UP

## Unit-injector disassembly



**AZ0313-CR – Tool to dismount and mount common rail nozzleholders and unit-injectors.**

Similar: 0.986.613.400 and 0.986.613.500

**AZ0313-CELL – Force pick up with digital force indicator**

Similar: 0.986.612.997

Measure: from 0 to 2500 kg (25000 Newton)



**AZ0313-CR500 – Plate to transform the tool original Bosch 0.986.613.400 in common rail**

Similar: 0.986.613.500

These plates, AZ0313-CR500, are included in our tool AZ0313-CR. The code AZ0313-CR500 is sold also individually.

**AZ0313CRKIT– Kit 3 plates unit injector**

The kit is composed with:

AZ0313-CR04 - For Truck

AZ0313-CR428 – Similar: 0.986.913.428 – VW 1°-2° Serie

AZ0313-CR429 – Similar: 0.986.613.429 – VW 3° Serie

The plates are sold also individually



**AZ0313-DISC – Kit 3 graduated discs**

Kit of 3 graduated discs with 3 different diameters

Degree: from 0 to 180

These discs, AZ0313-DISC, are included in our tool AZ0313-CR. The code AZ0313-DISC is sold also individually.

## UNIT-INJECTOR UI-UP



### **AZ0313-CR01 – Pulverizer fixing bush 7 mm.**

To fix the tip of the pulverizer of common rail injectors and unit-injector VW of 7 mm.

The code, AZ0313-CR01, is included in our tool AZ0313-CR. The code AZ0313-CR01 is sold also individually.

### **AZ0313-CR417 – Pulverizer fixing bush 7 mm with step.**

To fix the tip of the pulverizer of unit-injector VW of 7 mm with step.

Similar: 0.986.613.417

The code, AZ0313-CR417, is included in our tool AZ0313-CR. The code AZ0313-CR417 is sold also individually.



### **AZ0313-CR02 – Pulverizer fixing bush 9 mm.**

To fix the tip of the pulverizer of common rail injectors and unit-injectors VW of 9 mm.

The code, AZ0313-CR02, is included in our tool AZ0313-CR. The code AZ0313-CR02 is sold also individually.

### **AZ0313-KIT – Kit of pulverizer fixing bushes**

Kit of 3 pulverizer fixing bushes for common rail injectors and unit-injectors of 7mm – 7 mm with step– 9 mm.

The kit includes the following codes: AZ0313-CR01 + AZ0313-CR417 + AZ0313-CR02.

The code, AZ0313-KIT, is included in our tool AZ0313-CR. The code AZ0313-KIT is sold also individually.



### **AZ0313-CR427 – Elastic capsule – Pick up spring**

Elastic capsule – pressure 700 Nm – 70 Kg.

Similar: 0.986.613.427

# UNIT-INJECTOR UI-UP

## Test adaptors



### **BR0004-03**

EUI/PDE Scania – Volvo 420 – Iveco Cursor type 430  
Filetto/Thread: 31 x 1 mm



### **BR0004-04**

EUI/PDE Iveco Cursor type 350 - Volvo  
Filetto/Thread: 28 x 1 mm



### **BR0004-05**

EUI/PDE Volvo FH12 – Volvo 420 – Volvo 460  
Filetto/Thread: 28 x 1 mm  
Foro trasversale / Transversal hole



### **BR0004-08**

EUI/PDE Volvo 460 Euro 2 - Scania  
Filetto/Thread: 31 x 1 mm



### **BR0004-09**

EUI/PDE Caterpillar – John Deere  
Filetto/Thread: 28 x 1 mm



### **BR0004-10**

EUI/PDE Volkswagen – 2° Serie



## UNIT-INJECTOR UI-UP



**BR0004-11**  
EUI/PDE Volkswagen



**BR0004-12**  
EUI/PDE Land Rover  
Filetto/Thread: 24 x 1 mm



**BR0004-13**  
EUI/PDE Detroit  
Filetto/Thread: 32 x 1.5 mm



**BR0004-14**  
EUI/PDE Cummins L10-M11  
Filetto/Thread: 30 x 1.5 mm  
Foro trasversale / Transversal hole



**BR0004-15**  
EUI/PDE Cummins N14  
Filetto/Thread: 1" 1/8 – 18 UNEF  
(filetto tipo americano – American thread – UNEF)



**BR0004-16**  
EUI/PDE Volvo 520 CV  
Filetto/Thread: 34 x 1 mm  
Foro trasversale / Transversal hole

## UNIT-INJECTOR UI-UP



### **BR0004-17**

EUI/PDE Caterpillar 3500  
Filetto/Thread: 27 x 1.5 mm



### **BR0004-18**

EUI/PDE Caterpillar marino – Cartepillar marine  
Filetto/Thread: 36 x 1.5 mm



### **BR0004-19**

Адаптер для проверки распылителей насос-форсунок EUI/PDE Nissan 440

EUI/PDE Nissan 440  
Filetto/Thread: 31 x 1 mm  
Foro trasversale / Transversal hole



### **BR0004-20**

Адаптер для проверки распылителей насос-форсунок EUI/PDE Iveco Stralis 500HP Euro5

EUI/PDE Iveco Stralis Filetto/Thread: 36 x 1 mm



### **BR0004-21**

Адаптер для проверки распылителей насос-форсунок EUI Volkswagen аналог 1 683 355 057

EUI Volkswagen Similar: 1.683.355.057



### **BR0004-22**

Адаптер для проверки распылителей насос-форсунок EUI Volkswagen аналог 1 683 355 056

EUI Volkswagen Similar: 1.683.355.056

## UNIT-INJECTOR UI-UP



### **BR0004-23**

Адаптер для проверки распылителей насос-форсунок EUI Audi аналог BOSCH 1 681 398 033

EUI Volkswagen  
Similar: 1.681.398.033 Filetto/Thread: 25 x 0.75 mm



### **AZ0313-BR**

Kit of 3 adaptors EUI Volkswagen

Kit composed of:

BR0004-21 - 1.683.355.057

BR0004-22 - 1.683.355.056

BR0004-23 - 1.681.398.033



### **BR0004-24**

Адаптер для проверки распылителей насос-форсунок EUI Siemens Piezo устанавливаемые на Volkswagen

EUI Volkswagen – Siemens Filetto/Thread: 24 x 1 mm



### **BR0004-25**

Адаптер для проверки распылителей насос-форсунок EUI/PDE Cummins

EUI/PDE Cummins  
Filetto tipo Americano – America Thread To be used with our wrench AC0517-00



### **BR0004-26**

Адаптер для проверки распылителей насос-форсунок EUI/PDE VOLVO 4 PIN (DELPHI)

EUI/PDE Volvo (4 pin) Filetto/Thread: 34 x 1 mm To be used with AC0550-00

# UNIT-INJECTOR UI-UP

## Checking device



### AZ0055-02L Checking device to measure the valve seat of the solenoid on unit injector

Micrometer to check inner-dimension with 3 tips fro 6 to 8mm.  
To measure the diameter of the solenoid valve seat of the unit injector.  
To use before and after the lapping  
Sold with guide and calibration ring

## BEEPER

## TO MEASURE BIP MOMENT



### **TO REVEAL BIP MOMENT**

**ADAPTABLE TO ALL THE CAM-BOX  
ON THE MARKET**

Tester to measure the BIP moment, universal adaptable to the most part of the cam-box (EUI) of old generation still on the market.

It permits to have the BIP quote of the bobin of unit-injectors (EUI).

UNIVERSAL – ADAPTABLE TO THE MOST PART OF CAM-BOX SIMULATORS-