



Diesel manufacturer

A vertical arrangement of various diesel engine components, including injectors, nozzles, and valves, is shown in a semi-transparent white box. The components are metallic and have different shapes and sizes, some with threaded ends and others with flanges. The background is a blue gradient with horizontal lines.

CATALOGUE

VERS. 4.14

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Diesel manufacturer

AZ0134-S3

FASE 3

AZ0134-S3 JTD TESTER TO REPAIR COMMON RAIL INJECTORS BOSCH - PHASE 3 -



A new perspective for repairing common rail injectors Bosch. A complete high-tech system that permits to everyone, also not expert operator, to deal with a specialization that untill now was reserved to a very little part of technicians.

The system, JTD TESTER (AZ0134-S3), represents the development of waht produced till today to have a perfect calibration of common rail injector Bosch of last generation.

It is an equipment of very high digital precision for having a micro-metric control of the internal calibration quota; a computer "All in one" Asus with touch screen monitor, a user-friendly dedicated software, a database that includes the 80% of the vehicles now on the market, including industrial vehicles.

This is what we can offer, to a extraordinary price, with a special price/quality ratio, that makes the purchase a good investment today and for the future.

*If you need more great points to decide to buy the **JTD Tester**, you can think about the time you need to calibrate last generation of common rial injector Bosch; our system guaratees a max time of 15' minutes for each single injector that correspond to 1 hour for 4 injectors!!!*

The kit is composed of:

- | | |
|--------------------------------|----------------------------------|
| -Computer Asus with software | -JTD Tester complete with cables |
| -Comparator bearing in granite | -Vise for injectors |
| -Press | -Digital Torque wrench |
| --Vice to dismount injectors | -nr. 4 MITUTOYO comparators |

Here some tests of our instrument:

- Solenoid electrical control



-Measurement armature stroke

-Measurement armature stroke shim

- Mesurement solenoid depth size



- Measurement injector depth

- Measurement residual air gap



- Check armature stroke electrical and resistance

-Measurement needle lift nozzle

-Measurement shim needle lift nozzle

-Thickness measurement nozzle spring force

- Solenoid insulation control



All spare parts and thickness to repair and calibrate common rail injectors Bosch are available in our production.

Our JTD Tester is available with software in Italian – English – French - Russian

INFO@SIRINI.IT

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AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO



AZ0134-BN003

COMPARATOR BASE IN GRANITE

Base Comparatore in Granito

AZ0134-BN006

TORQUE WRENCH + ANGOL

**Chiave Dinamometrica +
Angolare**



ACCESSORI :AZ0134-BN006

**OPEN WRENCH 27 MM +
RATCHET WRENCH**

**Chiave Aperta da 27 mm +
Cricchetto**

AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO

AZ0134-BN004

INJECTOR PRESS

Stativo Porta Iniettori



AZ0134-BN070

BUSH TO FIX INJECTOR – DIAM. 17

Boccola Blocca Iniettore – Diam.17



AZ0134-BN071

BUSH TO FIX INJECTOR – DIAM. 19

Boccola Blocca Iniettore – Diam.19



AZ0134-BN072

BUSH TO FIX INJECTOR – DIAM. 21

Boccola Blocca Iniettore – Diam.21



AZ0134-BN073

BUSH TO FIX INJECTOR – DIAM. 22

Boccola Blocca Iniettore – Diam.22



AZ0134-BN074

BUSH TO FIX INJECTOR – DIAM. 23

Boccola Blocca Iniettore – Diam.23



AZ0134-BN075

BUSH TO FIX INJECTOR – DIAM. 26

Boccola Blocca Iniettore – Diam.26



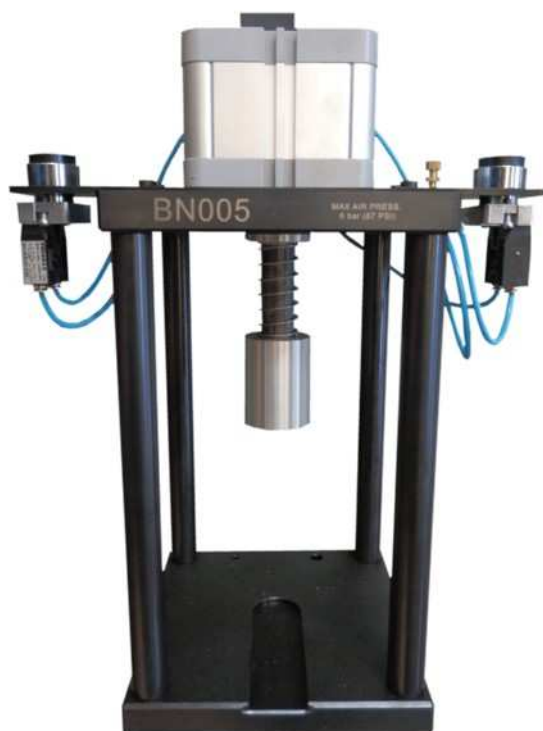
AZ0134-BN076

BUSH TO FIX INJECTOR – DIAM. 29

Boccola Blocca Iniettore – Diam.29

AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO



AZ0134-BN005

AIR PRESS

Pressa ad Aria



AZ0134-BN005-060

**AIR PRESS TOOL –
HOLE DIAM. 8**

**Attrezzo Pressa ad
aria – foro diam. 8**



AZ0134-BN005-061

**AIR PRESS TOOL –
HOLE DIAM. 3,80**

**Attrezzo Pressa ad
aria – foro diam. 3,80**

AZ0134-BN005-062

**AIR PRESS PUNCH –
HOLE DIAM. 8**

**Punzone Pressa ad aria –
foro diam. 8**



AZ0134-BN005-063

**AIR PRESS PUNCH –
HOLE DIAM. 3,80**

**Punzone Pressa ad aria –
foro diam. 3,80**



AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO



AZ0134-BN010

COM 1 CABLE

Cavo COM 1

AZ0134-BN011

COM 2 CABLE

Cavo COM 2

AZ0134-BN012

COM 3 CABLE

Cavo COM 3

AZ0134-BN020

CONNECTING CABLE SOLENOID CRI

Cavo Collegamento Bobina CRI

AZ0134-BN021

CONNECTING CABLE SOLENOID CRI

Cavo Collegamento Bobina CRI

AZ0134-BN022

CONNECTING CABLE SOLENOID CRIN

Cavo Collegamento Bobina CRIn



AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO



AZ0134-BN030

MITUTOYO COMPARATOR L – 12,7

Comparatore Mitutoyo L – 12,7



AZ0134-BN031

MITUTOYO COMPARATOR L – 12,7

Comparatore Mitutoyo L – 12,7



AZ0134-BN032

MITUTOYO COMPARATOR L-24,4 + CRI TOOL

Comparatore Mitutoyo L-24,4 + Attrezzo CRI

AZ0134-BN033

MITUTOYO COMPARATOR L-24,4 + CRIN TOOL

Comparatore Mitutoyo L-24,4 ₁₂ + Attrezzo CRIN

AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO



AZ0134-BN040

RING NUT 27 X 1 – X AZ0134-BN32

Ghiera 27 x 1 – X AZ0134-BN032



AZ0134-BN041

RING NUT 26 X 0,75 – X AZ0134-BN33

Ghiera 26 x 0,75 – X AZ0134-BN033

AZ0134-BN051

OREFICE PLATE DIAM. 19

Pastiglia Calibrata Diam 19



AZ0134-BN042

POINTER L - 50

Tastatore L - 50

AZ0134-BN043

POINTER L - 20

Tastatore L - 20



AZ0134-BN044

POINTER L - 25

Tastatore L - 25



AZ0134-BN050

CERAMIC PLATE 1 MM

Piastrina Ceramica 1 mm

AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO



AZ0134-BN052

CALIBRATION CILINDRE DIAM.10

Cilindro Calibrato diam. 10



AZ0134-BN053

HOLED CILINDRE

Cilindro Forato



AZ0134-BN023

CABLE TESTE RECLUTE

Cavo Prova Isolamento

AZ0134-3S STAGE 3

AZ0134-3S FASE 3 / TERZO STADIO



AZ0134-BN100

PRESS TO FIX THE INJECTOR

Morsa Blocca Inietttore



Diesel manufacturer

THICKNESS KIT

COMMON RAIL CALIBRATION THICKNESS KIT

THICKNESS KIT 3°PHASE

BOSCH



AZ0019-73CR

F00RJ02760

Kit composed of pieces of different sizes and shapes. In the spacer kit you will find:

• Hexagonal thickness



Hex : 22,00 mm.
Hole : 18,00 mm.
Thickness : 0.954 – 1.046 mm. (24 measures)
Cut: each 0.004 mm
Total: nr. 240 items



Hex : 22,00 mm.
Hole : 19,00 mm.
Thickness 1.24 – 1.35 mm. (12 measures)
Cut: each 0.01 mm
Total: nr. 120 items

• Washers



Diam: 22,80 mm.
Hole : 19,50 mm.
Thickness : 1.516 – 1.656 mm. (36 measures)
Cut: each 0.004 mm
Total: nr. 360 items



Diam : 7,70 mm.
Hole : 4,40 mm.
Thickness : 1.005 – 1, 115 mm. (12 measures)
Cut: each 0.010 mm
Total: nr. 120 items



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 1,04 – 1,26 mm. (12 measures)
Cut: each 0.02 mm
Total: nr. 120 items

X MAN

COMMON RAIL CALIBRATION THICKNESS KIT

THICKNESS KIT 3°PHASE

BOSCH



AZ0019-75CR

Kit composed of pieces of different sizes and shapes. In the spacer kit you will find:

• Hexagonal thickness



Hex : 22,00 mm.
Hole : 18,00 mm.
Thickness : 0.90 – 1.13 mm. (24 measures)
Cut: each 0.01 mm
Total: nr. 240 items



Hex : 22,00 mm.
Hole : 19,00 mm.
Thickness: 1.00 – 1.11 mm. (12 measures)
Cut: each 0.01 mm
Total: nr. 120 items

• Washers



Diam: 22,80 mm.
Hole : 19,50 mm.
Thickness : 1,30 – 1,76 mm. (24 measures)
Cut: each 0.02 mm
Total: nr. 240 items



Diam : 7,70 mm.
Hole : 4,40 mm.
Thickness : 1.00 – 1, 22 mm. (12 measures)
Cut: each 0.02 mm
Total : nr. 120 items



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 1,20 – 1,66 mm. (24 measures)
Cut: each 0.02 mm
Total: nr. 240 items

X MAN

COMMON RAIL CALIBRATION THICKNESS KIT

THICKNESS KIT 3°PHASE

BOSCH



AZ0019-76CR

F00ZC99016

Kit composed of pieces of different sizes and shapes. In the spacer kit you will find:

• Washers



Diam: 15,70 mm.
Hole : 10,50 mm.
Thickness : 1,194 – 1,286 mm. (24 measures)
Cut: each 0.004 mm
Totale: nr. 240 pezzi



Diam: 5,30 mm.
Hole: 3,50 mm.
Thickness : 1,10 – 1,80 mm. (36 measures)
Cut: each 0.02 mm
Total: nr. 360 items

• Pointers



Diam : 2,30 mm.
Thickness : 1,02 – 1,25 mm. (24 measures)
Cut: each 0.01 mm
Total: nr. 240 items



Thickness : 8,409 – 8,541 mm. (12 measures)
Cut: each 0.012 mm
Total: nr. 120 items



COMMON RAIL CALIBRATION THICKNESS KIT

THICKNESS KIT 3°PHASE

BOSCH



AZ0019-74CR

Kit composed of pieces of different sizes and shapes. In the spacer kit you will find:

• Washers



Diam: 15,70 mm.
Hole : 10,50 mm.
Thickness : 1,10 – 1,33 mm. (24 measures)
Cut: each 0.01 mm
Total: nr. 240 items



Diam: 5,30 mm.
Hole : 3,50 mm.
Thickness : 1,10 – 1,80 mm. (36 measures)
Cut: each 0.02 mm
Total: nr. 360 items

• Pointers



Diam : 2,30 mm.
Thickness : 1,02 – 1,25 mm. (24 measures)
Cut: each 0.01 mm
Total: nr. 240 items



Thickness : 8,409 – 8,541 mm. (12 measures)
Cut: each 0.012 mm
Total: nr. 120 items



COMMON RAIL CALIBRATION THICKNESS KIT

CALIBRATION THICKNESS KIT: to modify the pressure of the calibration, start pressure and the quantity of fuel of common rail injector. Reducing the thickness we obtain an increase in the opening pressure (Bar), of the start pressure (Bar) and in the quantity of fuel (Cm³) of the injectors.

AZ0019-61CR



Diam : 9,00 mm.
Hole : 3,50 mm.
Thickness : 0,78 – 1, 25 mm. (48 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 480 items

BOSCH

AZ0019-32CR



Diam : 7,70 mm.
Hole : 4,40 mm.
Thickness : 0,98 – 1, 44 mm. (24 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-77CR



Diam : 7,70 mm.
Hole : 4,40 mm.
Thickness : 0,985 – 1,385 mm. (41 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 410 items

BOSCH

AZ0019-122CR



Diam : 6,75 mm.
Hole : 3,50 mm.
Thickness : 1,20 – 1,74 mm. (28 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 280 items

DENSO

AZ0019-116CR



Diam : 6,75 mm.
Hole : 3,50 mm.
Thickness : 1,20 – 1,75 mm. (12 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 120 items

DENSO

AZ0019-52CR



Diam : 6,75 mm.
Hole : 3,50 mm.
Thickness : 1,75 – 2,30 mm. (12 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 120 items

DENSO

AZ0019-31CR



Diam : 6,40 mm.
Hole : 2,50 mm.
Thickness : 1,20 – 1,30 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-78CR



Diam : 6,40 mm.
Hole : 2,50 mm.
Thickness : 1,00 – 1,40 mm. (41 misure)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 410 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-79CR



Diam : 6,40 mm.
Hole : 2,50 mm.
Thickness : 1,089 – 1,368 mm. (32 meas)

Cut: each 0.009 mm.
Box : 10 items x thickness
Total : 320 items

BOSCH

AZ0019-65CR



Diam : 5,80 mm.
Hole : 3,00 mm.
Thickness : 1,10 – 1,65 mm. (12 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 120 items

DENSO

AZ0019-64CR



Diam : 5,80 mm.
Hole : 3,00 mm.
Thickness : 1,10 – 1,60 mm. (26 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 260 items

DENSO

AZ0019-80CR



Diam : 5,80 mm.
Hole : 3,00 mm.
Thickness : 1,75 – 2,30 mm. (12 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 120 items

DENSO

AZ0019-81CR



Diam : 5,80 mm.
Hole : 3,00 mm.
Thickness : 1,60 – 2,30 mm. (36 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 360 items

DENSO

AZ0019-46CR



Diam : 5,70 mm.
Hole : 3,00 mm.
Thickness : 1,25 – 1,80 mm. (12 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 120 items

SIEMENS

AZ0019-47CR



Diam : 5,70 mm.
Hole : 3,00 mm.
Thickness : 1,26 – 1,72 mm. (24 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

SIEMENS

AZ0019-82CR



Diam : 5,70 mm.
Hole : 3,00 mm.
Thickness : 1,20 – 1,90 mm. (36 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 360 items

SIEMENS

AZ0019-17CR



Diam : 5,30 mm.
Hole : 3,00 mm.
Thickness : 0,90 – 1,90 mm. (21 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 210 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-08CR



Diam : 5,30 mm.
Hole : 3,50 mm.
Thickness : 1,20 – 1,70 mm. (24 measures)
No measures 1,22 and 1,68mm

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-08CR5



Diam : 5,30 mm.
Hole : 3,50 mm.
Thickness : 1,20 – 1,70 mm. (11 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-38CR



Diam : 5,30 mm.
Hole : 3,50 mm.
Thickness : 1,40 – 1,86 mm. (24 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-83CR



Diam : 5,30 mm.
Hole : 3,50 mm.
Thickness : 1,20 – 2,30 mm. (12 measures)

Cut: each 0.10 mm.
Box : 10 items x thickness
Total : 120 items

BOSCH

AZ0019-84CR



Diam : 5,30 mm.
Hole : 3,50 mm.
Thickness : 1,20 – 2,30 mm. (23 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 230 items

BOSCH

AZ0019-85CR



Diam : 5,30 mm.
Hole : 3,50 mm.
Thickness : 1,00 – 2,00 mm. (51 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 510 items

BOSCH

AZ0019-15CR



Diam : 5,30 mm.
Hole : 2,40 mm.
Thickness : 1,20 – 1,70 mm. (24 measures)
No measures 1,22 and 1,68mm

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-20CR



Diam : 5,30 mm.
Hole : 2,40 mm.
Thickness : 1,72 – 1,90 mm. (10 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 100 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-37CR



Diam : 5,10 mm.
Hole : 3,00 mm.
Thickness : 1,60 – 1,86 mm. (14 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 140 items

BOSCH

AZ0019-35CR



Diam : 5,10 mm.
Hole : 3,00 mm.
Thickness : 1,00 – 1,20 mm. (11 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-66CR



Diam : 5,10 mm.
Hole : 3,00 mm.
Thickness : 1,20 – 1,60 mm. (21 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 210 items

BOSCH

AZ0019-86CR



Diam : 5,10 mm.
Hole : 3,00 mm.
Thickness : 1,15 – 2,30 mm. (24 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-87CR



Diam : 5,10 mm.
Hole : 3,00 mm.
Thickness : 1,00 – 2,00 mm. (51 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 510 items

BOSCH

AZ0019-88CR



Diam : 5,10 mm.
Hole : 3,00 mm.
Thickness : 1,00 – 1,70 mm. (36 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 360 items

BOSCH

AZ0019-89CR



Diam : 4,50 mm.
Hole : 2,50 mm.
Thickness : 1,20 – 1,90 mm. (36 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 360 items

BOSCH

AZ0019-36CR



Diam : 4,50 mm.
Hole : 2,50 mm.
Thickness : 1,64 – 1,86 mm. (12 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 120 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-12CR



Diam : 4,50 mm.
Hole : 2,50 mm.
Thickness : 1,20 – 1,70 mm. (24 measures)
No measures 1,22 and 1,68mm

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-12CR5



Diam : 4,50 mm.
Hole : 2,50 mm.
Thickness : 1,20 – 1,70 mm. (11 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-14CR



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 1,20 – 1,70 mm. (24 measures)
No measures 1,22 and 1,68mm

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-14CR5



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 1,20 – 1,70 mm. (11 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-44CR



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 1,70 – 1,96 mm. (14 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 140 items

BOSCH

AZ0019-90CR



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 1,15 – 2,30 mm. (24 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-91CR



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 0,80 – 1,64 mm. (43 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 430 items

BOSCH

AZ0019-118CR



Diam : 4,20 mm.
Hole : 2,30 mm.
Thickness : 1,15 – 2,30 mm. (24 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-42CR



Diam : 4,00 mm.
Hole : 2,30 mm.
Thickness : 1,20 – 1,70 mm. (24 measures)
No measures 1,22 and 1,68mm

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-43CR



Diam : 4,00 mm.
Hole : 2,30 mm.
Thickness : 1,72 – 1,90 mm. (10 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 100 items

BOSCH

AZ0019-92CR



Diam : 4,00 mm.
Hole : 2,30 mm.
Thickness : 1,15 – 2,30 mm. (24 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 240 items

BOSCH

AZ0019-93CR



Diam : 4,00 mm.
Hole : 2,30 mm.
Thickness : 1,20 – 1,90 mm. (24 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 360 items

BOSCH

AZ0019-120CR



Diam : 2,30 mm.
Hole : 1,75 mm.
Thickness : 1,84 – 2,30 mm. (24 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

DENSO

AZ0019-119CR



Diam : 1,50 mm.
Hole : 0,95 mm.
Thickness : 0,95 – 1,50 mm. (12 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 120 items

DENSO

AZ0019-121CR



Diam : 1,50 mm.
Hole : 0,95 mm.
Thickness : 0,98 – 1,44 mm. (24 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

DENSO

COMMON RAIL CALIBRATION THICKNESS KIT

SOLENOID WASHERS KIT: useful to modify the solenoid power. Reducing/increasing the thickness of the washer solenoid power reduces/raises.

AZ0019-09CR



Diam : 15,70 mm.
Hole : 10,50 mm.
Thickness : 1,20 – 1,30 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-39CR



Diam : 15,70 mm.
Hole : 10,50 mm.
Thickness : 1,10 – 1,20 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-94CR



Diam : 15,70 mm.
Hole : 10,50 mm.
Thickness : 1,19 – 1,33 mm. (36 measures)

Cut: each 0.004 mm.
Box : 10 items x thickness
Total : 360 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

SOLENOID WASHERS KIT: useful to modify the solenoid power. Reducing/increasing the thickness of the washer solenoid power reduces/raises.

AZ0019-95CR



Diam: 24,30 mm.
Hole : 21,50 mm.
Thickness : 1,20 – 1,74 mm. (28 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 280 items

DENSO

AZ0019-96CR



Diam: 24,30 mm.
Hole : 21,50 mm.
Thickness : 1,20 – 1,73 mm. (54 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 540 items

DENSO

AZ0019-97CR



Diam: 24,30 mm.
Hole : 21,50 mm.
Thickness : 1,435 – 1,70 mm. (54 meas)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 540 items

DENSO

AZ0019-54CR



Diam: 24,30 mm.
Hole : 21,50 mm.
Thickness : 1,50 – 1,72 mm. (12 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 120 items

DENSO

AZ0019-55CR



Diam: 24,30 mm.
Hole : 21,50 mm.
Thickness : 1,50 – 1,72 mm. (23 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 230 items

DENSO

AZ0019-11CR



Diam : 23,70 mm.
Hole : 19,00 mm.
Thickness : 1,00 – 1,10 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-18CR



Diam : 23,70 mm.
Hole : 19,00 mm.
Thickness : 0,90 – 1,00 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-30CR



Diam : 23,70 mm.
Hole : 19,00 mm.
Thickness : 1,10 – 1,20 mm. (11 misure)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-71CR



Diam: 23,70 mm.
Hole : 19,00 mm.
Thickness : 0,90 – 1,25 mm. (36 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 360 items

BOSCH

AZ0019-98CR



Diam: 23,70 mm.
Hole : 19,00 mm.
Thickness : 0,86 – 1,24 mm. (96 measures)

Cut: each 0.004 mm.
Box : 10 items x thickness
Total : 960 items

BOSCH

AZ0019-99CR



Diam: 22,80 mm.
Hole : 19,50 mm.
Thickness : 1,30 – 1,80 mm. (51 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 510 items

BOSCH

AZ0019-28CR



Diam: 22,80 mm.
Hole : 19,50 mm.
Thickness : 1,34 – 1,76 mm. (22 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 220 items

BOSCH

AZ0019-70CR



Diam: 22,80 mm.
Hole : 19,50 mm.
Thickness : 1,512 – 1,684 mm. (44 meas)

Cut: each 0.004 mm.
Box : 10 items x thickness
Total : 440 items

BOSCH

AZ0019-48CR



Diam: 20,00 mm.
Hole : 13,70 mm.
Thickness : 0,80 – 1,20 mm. (21 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 210 items

SIEMENS

X MAN

X MAN

X MAN

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-19CR



Hex : 22,00 mm.
Hole : 19,00 mm.
Thickness : 0,90 – 1,00 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-10CR



Hex : 22,00 mm.
Hole : 19,00 mm.
Thickness : 1,00 – 1,10 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-24CR



Hex : 22,00 mm.
Hole : 19,00 mm.
Thickness : 1,30 – 1,40 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-100CR



Hex : 22,00 mm.
Hole : 19,00 mm.
Thickness : 0,90 – 1,40 mm. (51 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 510 items

BOSCH

AZ0019-101CR



Hex : 22,00 mm.
Hole : 19,00 mm.
Thickness : 1,21 – 1,38 mm. (51 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 180 items

BOSCH

AZ0019-25CR



Hex : 22,00 mm.
Hole : 18,00 mm.
Thickness : 1,00 – 1,10 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-27CR



Hex : 22,00 mm.
Hole : 18,00 mm.
Thickness : 0,90 – 1,00 mm. (11 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-102CR



Hex : 22,00 mm.
Hole : 18,00 mm.
Thickness : 0,90 – 1,12 mm. (23 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 510 items

BOSCH

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-103CR



Hex : 22,00 mm.
Hole : 18,00 mm.
Thickness : 0,950 – 1,054 mm. (27 meas)

Cut: each 0.004 mm.
Box : 10 items x thickness
Total : 270 items

BOSCH

AZ0019-49CR

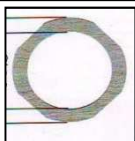


Hex : 18,00 mm.
Hole : 14,00 mm.
Thickness : 0,90 – 1,13 mm. (24 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 240 items

SIEMENS

AZ0019-53CR

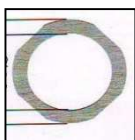


Oct : 23,20 mm.
Hole : 20,00 mm.
Thickness : 2,99 – 3,10 mm. (12 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 120 items

DENSO

AZ0019-63CR



Oct : 23,20 mm.
Hole : 20,00 mm.
Thickness : 2,99 – 3,15 mm. (17 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 170 items

DENSO

COMMON RAIL CALIBRATION THICKNESS KIT

KIT OF POINTERS: to modify the conjunction between the upper level of the ball-holder and the smooth part of the holding-ball-valve. It enables the regulation of the solenoid and so the movement of the ball.

AZ0019-07CR



Diam : 5,90 mm.
Thickness : 8,40 – 8,50 mm. (11 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-104CR



Diam : 5,90 mm.
Thickness : 8,40 – 8,70 mm. (31 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 310 items

BOSCH

AZ0019-105CR



Diam : 5,90 mm.
Thickness : 8,277 – 8,571 mm. (26 m)

Cut: each 0.012 mm.
Box : 10 items x thickness
Total : 260 items

BOSCH

AZ0019-29CR



Diam : 5,90 mm.
Thickness : 8,50 – 8,70 mm. (21 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 210 items

BOSCH

AZ0019-13CR



Diam : 5,80 mm.
Thickness : 8,40 – 8,50 mm. (11 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 110 items

BOSCH

AZ0019-21CR



Diam : 5,80 mm.
Thickness : 8,50 – 8,70 mm. (21 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 210 items

BOSCH

AZ0019-106CR



Diam : 5,80 mm.
Thickness : 8,277 – 8,571 mm. (26 m)

Cut: each 0.012 mm.
Box : 10 items x thickness
Total : 260 items

BOSCH

AZ0019-117CR



Diam : 5,50 mm.
Thickness : 8,20 – 8,70 mm. (51 m)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 510 items

BOSCH

AZ0019-123CR

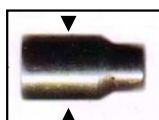


Diam : 5,50 mm.
Thickness : 8,40 – 8,70 mm. (31 m)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 310 items

BOSCH

AZ0019-50CR

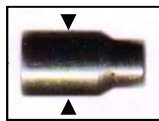


Thickness : 3,75 – 4,90 mm. (24 meas)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 240 items

DELPHI

AZ0019-51CR

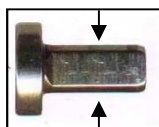


Thickness : 3,80 – 4,90 mm. (12 meas)

Cut: each 0.10 mm.
Box : 10 items x thickness
Total : 120 items

DELPHI

AZ0019-45CR



Thickness : 7,760 – 8,18 mm. (22 meas)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 220 items

SIEMENS

COMMON RAIL CALIBRATION THICKNESS KIT

AZ0019-107CR



Diam : mm.
Thickness : 3,80 – 4,90 mm. (12 meas)

Cut: each 0.10 mm.
Box : 10 items x thickness
Total : 120 items

DELPHI

AZ0019-108CR



Diam : mm.
Thickness : 3,75 – 4,90 mm. (24 meas)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 240 items

DELPHI

AZ0019-16CR



Diam : 2,25 mm.
Thickness : 1,14 – 1,25 mm. (12 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 120 items

BOSCH

AZ0019-26CR



Diam : 2,25 mm.
Thickness : 0,95 – 1,13 mm. (19 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 190 items

BOSCH

AZ0019-40CR



Diam : 2,30 mm.
Thickness : 0,90 – 1,01 mm. (12 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 120 items

BOSCH

AZ0019-72CR



Diam : 2,30 mm.
Thickness : 1,00 – 1,36 mm. (37 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 370 items

BOSCH

AZ0019-41CR



Diam : 2,30 mm.
Thickness : 1,02 – 1,13 mm. (12 meas)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 120 items

BOSCH

AZ0019-62CR



Diam : 5,40 mm.
Thickness : 1,155 – 1,265 mm. (12 m)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 120 items

BOSCH

CALIBRATION THICKNESS KIT

CATERPILLAR

AZ0019-110CR



Diam : 10.00 mm.
Thickness : 2,00 – 2,50 mm. (11 measures)

Cut: each 0.05 mm.
Box : 10 items x thickness
Total : 110 items

AZ0019-113CR



Diam : 10.00 mm.
Thickness : 2,10 – 2,45 mm. (36 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 360 items

AZ0019-112CR

PINS

Diam : mm.
Thickness : 8,277 – 8,571 mm. (26 measures)

Cut: each 0.012 mm.
Box : 10 items x thickness
Total : 260 items

AZ0019-114CR



Diam: 26,00 mm.
Hole : 22,50 mm.
Thickness : 2,04 – 2,50 mm. (24 measures)

Cut: each 0.02 mm.
Box : 10 items x thickness
Total : 240 items

AZ0019-115CR



Diam: 26,00 mm.
Hole : 22,50 mm.
Thickness : 2,04 – 2,50 mm. (47 measures)

Cut: each 0.01 mm.
Box : 10 items x thickness
Total : 470 items

UNIT INJECTORS THICKNESS KIT

UNIT INJECTOR THICKNESS KIT

AZ0019-23CR		Diam : 9,20 mm. Thickness : 1,00+1,01 – 1,45 mm. (24 measures)	Cut: each 0.02 mm. Box : 10 items x thickness Total : 240 items	BOSCH
AZ0019-33CR		Diam : 7,30 mm. Thickness : 1,00+1,01 – 1,45 mm. (24 measures)	Cut: each 0.02 mm. Box : 10 items x thickness Total : 240 items	BOSCH
AZ0019-58CR		Diam : 5,80 mm. Thickness : 2,24 – 2,94 mm. (36 measures)	Cut: each 0.02 mm. Box : 10 items x thickness Total : 360 items	DELPHI
AZ0019-34CR		Diam : 5,50 mm. Thickness : 1,00+1,01 – 1,45 mm. (24 measures)	Cut: each 0.02 mm. Box : 10 items x thickness Total : 240 items	BOSCH
AZ0019-57CR		Diam : 7,50 mm. Hole : 3,00 mm. Thickness : 0,30+0,42 – 0,70 + 1,00+1,28+1,56 mm. (19 measures)	Cut: each 0.02 mm. Box : 10 items x thickness Total : 190 items	DELPHI
AZ0019-56CR		Diam : 7,50 mm. Hole : 3,00 mm. Thickness : 0,30+0,42 – 0,58 mm. (10 measures)	Cut: each 0.02 mm. Box : 10 items x thickness Total : 100 items	DELPHI
AZ0019-59CR		Diam : 5,00 mm. Hole : 2,50 mm. Thickness: 0,502 – 0,995 mm. (30 measures)	Cut: each 0.017 mm. Box : 10 items x thickness Total : 300 items	DELPHI
AZ0019-111CR		Diam : 4,35 mm. Hole : 1,90 mm. Thickness: 1,15 – 1,70 mm. (12 measures)	Cut: each 0.05 mm. Box : 10 items x thickness Total : 120 items	DELPHI



Diesel manufacturer



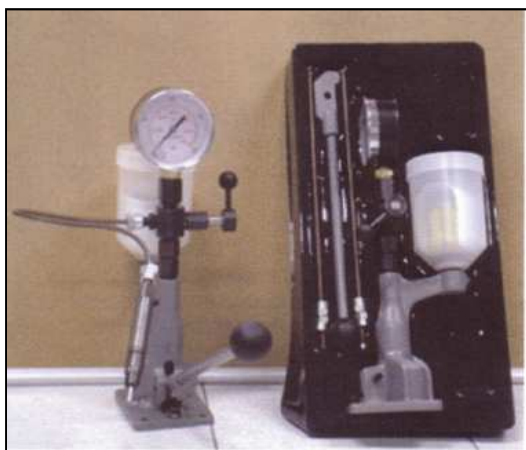
TEST INJECTOR DIESEL & GASOLINE

TEST INJECTOR

AAE060-0H HAND TEST INJECTOR

Hand test injector with valve.

Similar Bosch 0.681.200.502



The hand test injector is composed of:

- Manometer 0-400 or 0-600 Bar with glycerine in Bar and in PSI;
- Standard pipes 14x14 and 12x12;
- Manual lever;
- Filter;
- Tank;
- Measure: mm 415 x 540 x 130, weight kg. 7,00.

AAE060-0A SUCHTION DEVICE



AAE060-0A – SUCHTION DEVICE

Similar Bosch 0.684.200.702

TEST INJECTOR

DSC TESTER TO CLEAN INJECTOR



Tester to clean inside the injector

Used to rinse-off micro particles from diesel parts after being ultrasonically cleaned.

Up to 1100 bar system

Useful and recommended before to mount the nozzleholders on the test bench.

It avoids to dirty and so also to damage the measuring-cell for the test bench.

With ultrasonic cleaning tank UB15s, capability 1,75 lt, with heating system

Testing liquid BL9005-00

Liquid for ultrasonic tank BL9008-00

UB15s – ULTRASONIC TANK 1,75LT



OPTIONAL

CRIN Adaptors
Trolley version Small

TEST INJECTOR

DS2i-20 DIESEL TEST INJECTOR



DS2i-20

Diesel test injector
It tests nr. 1 injector at time
Bosch – Delphi – Siemens – Denso
Electromagnetic and Piezo
Graduated and led illuminated tubes to check
the volumes with automatic drainage
With test plans
Automatic programs completely customise
Up to 1850 bar
User friendly
Testing liquid BL9006-00

DS2i-21

It has the same features of DS2i-20 with in addition:

Program to wash inside the injectors

Ultrasonic tank UB15s

Ultrasonic tank 1,75Lt with heating system,

Ultrasound frequency 42KHZ

Chemical cleaning liquid to wash inside the injector(BL9005-00)

Ultrasonic liquid (BL9006-00 o BL9001-00)



OPTIONAL

CRIN Adaptors

Trolley version Large

TEST INJECTOR

GASOLINE TEST INJECTOR



GS4-20

Tester to check gasoline injectors (direct injection)

GASOLINE+ GPL + NATURAL GAS

(no gasoline piezo injector)

It tests nr. 4 injectors at time

Bosch – Delphi – Siemens – Denso

Graduated and led illuminated tubes to check the volumes with automatic drainage

With test plans

Automatic programs completely customise

With ultrasonic tank ub-15s (lt. 1,75 – heating – ultrasound 42KHZ)

Revers cleaning program

Adaptors Exclusive version

User friendly

Testing liquid and Ultrasonic liquid BL9007-00- BL9008-00

Optional:

* Trolley version Small

TEST INJECTOR

GASOLINE TEST INJECTOR

**HIGH
BAR**



GD1i-X0

Tester to check gasoline injectors (direct injection)

BOBINA + PIEZO

(no gpl – gas – natural gas)

It tests nr. 4 injectors at time

Bosch – Delphi – Siemens – Denso

Graduated and led illuminated tubes to check the volumes with automatic drainage

With test plans

Automatic programs completely customise

Up to **30-300 bar**

Kit of adaptors

User friendly

Testing liquid BL9007-00

GD1i-X1

It has the same features of GD1i-X0 in addition:

Ultrasonic tank UB15s

With capability of 1,75Lt with heating system,

Ultrasound frequency 42KHZ

Ultrasonic liquid BL9008-00 and testing liquid BL9007-00

OPTIONAL

Trolley version Large

TEST INJECTOR

LIQUIDS FOR TEST INJETORS



BL9006-00 – TESTING LIQUID DIESEL 4 LT

BL9007-00 – TESTIN DIESEL GASOLINE 4 LT

BL9005-00 – SPECIAL CHEMICAL TREATMENT FOR INSIDE
CLEANING INJECTOR PROGRAM – DIESEL - 2 LT



BL9008-00 – ULTRASONIC LIQUID - 4 LT

BL9003-00 – OIL FOR TEST BENCH FUCHS 20 LT

Oil for test bench

APPROVED AND RECCOMMENDE BY BOSCH!

BL9003-01 – OIL FOR TEST BENCH FUCHS 20 LT

Oil for test bench





Diesel manufacturer

SIMULATORS



SIMULATORS

TO TEST COMMON RAIL INJECTORS

1.1

AZ0134-13

BOBBIN CONTROL
SPRAY CONTROL



This tester controls the electrical part of all common rail injectors Bosch, Delphi, Siemens and Denso, Electromagnetic (Bobbin) or Piezoelectric (Piezo).

The instrument must be connected to any hand or electronic test injector, in this way it is possible to check the SPRAY of the injector.

The application is intuitive and user-friendly.

You can choose two different type of tests: "Time Test" or "Stroke Test".

In both cases the tests are the same of a test bench with common rail simulator.

After the selection of the type of injector (Bobbin or Piezo) and of the type of test (Time/Stroke) you must choose within 3 different tests:

- a) MAIN INJECTION
- b) PRE-INJECTION
- c) PILOT INJECTION

All the parameters have been pre-installed; anyway it is possible to enter in the software easily and modify all the values also if one test is running.

The parameters that can be modified are:

- 1. Frequency "Hz"
- 2. Opening time "ms"
- 3. Energy Voltage "V"

The tester is sold with nr. 4 cables for Bobbins and Piezo – the cables are similar to originals.

Feeder energy voltage: 220V.

SIMULATORS

TO TEST COMMON RAIL INJECTORS

1.2

AZ0220-CRR

BOBBIN CONTROL
BALL-LIFT TEST



The tester measures the mechanical movement of the ball inside the bobbin of common rail injectors ELECTROMAGNETIC Bosch (CRI and CRIN) and some Denso.

The tester does an electrical test of the bobbin. It measures the absorption of the bobbin in Ohm; hundredth of Ohms (0.00 Ω).

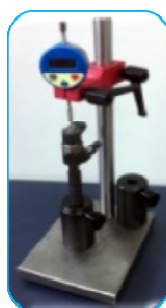
Attention: classic multimetres measure the absorption in tenth of Ohm (0.0 Ω)

To measure the ball-lift you must connect the instrument to a comparator bearing:

- AAZ006-KIT Comparator bearing with base in metal with digital centesimal comparator (AAZ006-MIL)
- AAZ002-KIT Comparator bearing with base in granite with digital centesimal comparator (AAZ006-MIL)
- AZ0352-CR Common rail injectors revision press; You must add the digital centesimal comparator (AAZ006-MIL).

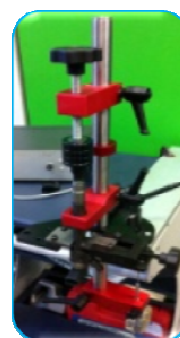
The measure of the ball lift is visualised on the display of the comparator.

The results of the electrical test of the bobbin are visualised on the tester display.



**AZ0352-
CR**

**AAZ006
-KIT**



SIMULATORS

TO TEST COMMON RAIL INJECTORS

1.3

AZCBCR-1



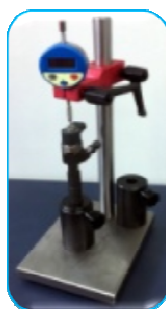
BOBBIN CONTROL
SPRAY CONTROL
BALL-LIFT TEST
OPTIONAL : RSP

The tester does the following tests on **NR. 1 COMMON RAIL INJECTOR**:

- Quality of the bobbin – it tells the resistance and the power of the magnete/piezo.
- It permits to stimulate the injectors and tests with hand test injectors
- It permits to test PIEZO injectors on EPS 200 or similars
- It permits to measure the ball-lift if connected with a comparator bearing (AZ0352-CR or AAZ006-KIT)

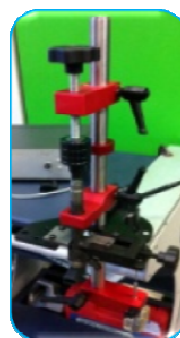
OPTIONAL:

- ☐ AZCBCR-RSP – RSP sensor to measure reaction-time of the injector.



**AZ0352-
CR**

**AAZ006
-KIT**



SIMULATORS

TO TEST COMMON RAIL INJECTORS

1.4

AZCBCR-4



BOBBIN CONTROL
SPRAY CONTROL
BALL-LIFT TEST
TEST WITH TEST BENCH
OPTIONAL : RSP – DRV – KIT
RAIL

The test does the following tests on **NR. 4 COMMON RAIL INJECTORS**:

- Quality of the bobbin – it tells the resistance and the power of the magnete/piezo.
- It permits to test on the test bench till 4 common rail injectors at the same time

ATTENTION: THIS SIMULATOR DOES NOT PRODUCE PRESSURE. IT CAN ONLY READ THE PRESSURE PRODUCED BY ANOTHER SIMULATOR

- It permits to test PIEZO injectors on BOSCH EPS 815
- It permits to measure the ball-lift if connected with a comparator bearing (AZ0352-CR o AAZ006-KIT)

OPTIONAL:

- ☐ AZCBCR-RSP – RSP sensor to measure the reaction-time of the injector
- ☐ DRV/BAR – It is possible to update the tester to produce the pressure
- ☐ AAZ034-KIT - Kit with rail to mount the injectors on the test bench
- ☐ AAZ034-EX - Kit to mount the injectors on the test bench version EXCLUSIVE

!!ATTENTION!!

This tester has been produced to enforce other equipment/simulator of different brands to test PIEZO injectors



AAZ034-KIT

SIMULATORS

COMMON RAIL INJECTORS CONTROL

1.5

AZCBCR-4-SIM

COMMON RAIL SIMULATORS



BOBBIN CONTROL

CALIBRATION PRESSURE ON
TEST BENCH

BALL-LIFT

QUANTITY TEST ON TEST
BENCH

WITH TEST DATA FOR
INJECTORS AND PUMPS

OPTIONAL : RSP - KIT
EXCLUSIVE

Our simulator can do the following most important tests on **4 COMMON RAIL INJECTORS** at the same time:

- Quality of the bobbins – it measures the resistance and the power of the magnet/Piezo.
- It can test till 4 common rail injectors Electromagnetic and Piezo at the same time.
- It measures the ball-lift movement if connected to a comparator bearing (AZ0352-CR o AAZ006-KIT)
- It produces and controls, autonomously and manually, the pressure.

The most important tests are:

1. Electric test
2. Opening test (NOP)
3. Leak test
4. Nr. 4 quantity tests (VE-LL-EM-VL)

The simulator tests also common rail **PUMPS**:

- It drives pressure regulators and valves.

It can be mounted on every kind of test benches. It is not necessary any particular kind of power (KW) of the test bench.

The simulator is sold with a KIT RAIL (AAZ034-KIT) with rilsan pipes to mount injectors on the test bench.

OPTIONAL:

- ☐ AZCBCR-RSP – RSP sensor to measure the reaction-time of the injector.
- ☐ AAZ034-EX - Kit to mount the injectors on the test bench EXCLUSIVE version.

SIMULATORS

COMMON RAIL INJECTORS CONTROL

1.5.1

MATERIAL SOLD IN AZCBCR-4-SIM



Simulator AZCBCR-4-SIM with all cables.



KIT RAIL (AAZ034-KIT) – Kit rail base to mount 4 common rail injectors on the test bench.

The kit rail is composed of:



Nr. 1 AAZ034-11 - Rail



Nr. 4 AAT099-CR2 – Rilsan pipes



Nr. 4 AAZ034-09L – Quick connection



Nr. 8 AAZ010-10AN – Dumpers



Nr. 7 BR0001-00 – Connection rail-injectors 14x14M

SIMULATORS

COMMON RAIL INJECTORS CONTROL



Nr. 6 AAZ034-12 – Cap M14



Nr. 1 AAZ034-11A – Kit of 2 adjustable supports to fix the rail



Nr. 1 AAZ034-12A – Protection kit



Nr. 1 AAZ034-10A – Nuts and bolts



Nr. 1 AAZ034-13 – False pressure regulator Bosch



Nr. 1 BR0007-00 - Washers

Nr. 7 BR0006-00 - Washers



Nr. 1 AAT000-FX – Flex. pipe 6x2x600 14x14 Similar: 1.680.750.000

Nr. 4 AAT005-00 – Flex. pipe 6x2x300 14x14



Nr. 5 AAZ010-31 – Connection for high pressure pipes
12Fx14M



Nr. 1 AAZ034-20 – Adaptor for pressure sensor pressione
Bosch/Siemens



Nr. 1 AAZ034-19 – Adaptor for pressure regulator on pump
SIEMENS

SIMULATORS

COMMON RAIL INJECTORS CONTROL

1.5.2 **OPTIONAL** FOR AZCBCR-4-SIM

☐ AZCBCR-RSP



AZCBCR-RSP – RSP Sensor – Sensor to measure the time of response of the injector.

☐ AAZ034-EX



AAZ034-EX - KIT EXCLUSIVE– Kit to mount common rail injectors EXCLUSIVE version with TRANSPARENT GLASSES that permits to see the spray of the injectors.

The kit rail includes, in addition to the transparent glasses, the appropriate adaptors for each kind of injector, fixing plate and 1 mt and 30 cm of rilsan pipes “multipipes” to connect with burettes.

GLASS KIT FOR COMMON RAIL SIMULATORS



Ours glasses permits to visualize the spray of common rail injectors and can be mounted on every kind of test benches and simulators. They must be fixed directly on the injectors.

Orders codes:

AAZ038-BASE
AAZ038-BASE-KIT

Kit BASE to mount nr. 1 glass on nr. 1 injector
Kit BASE complete to mount nr. 4 glasses on nr. 4 injectors

AAZ038-EX

Kit exclusive COMPLETE to mount on test bench nr. 1 injector. The kit is composed of nr. 2 glass in plexiglass with glass-bush with nr. 2 adaptors for pulverizer 7 and 9mm (AAZ038-AD7 – AAZ038-AD9)

AAZ038-BIC7	nr. 1 glass in plexiglas with glass-bush with nr. 1 adaptor x pulverizer of 7mm (AAZ038-AD7)
AAZ038-BIC9	nr. 1 glass in plexiglas with glass-bush with nr. 1 adaptor x pulverizer of 9mm (AAZ038-AD9)
AAZ038-AD7	adaptor x glass for pulverizer of 7mm
AAZ038-AD9	adaptor x glass for pulverizer of 9 mm
AAZ038-17	inner reduction in pvc of 17 for AAZ038-BIC7 – AAZ038-BIC9
AAZ038-19	inner reduction in pvc of 19 for AAZ038-BIC7 – AAZ038-BIC9
AAZ038-21	inner reduction in pvc of 21 for AAZ038-BIC7 – AAZ038-BIC9

GLASS KIT FOR COMMON RAIL SIMULATORS



AAZ038-EX

NR. 1 glass in plexiglas with glass-bush with nr. 1 adaptor for pulverizer of 7mm (AAZ038-BIC7)

NR. 1 glass in plexiglas with glass-bush with nr. 1 adaptor for pulverizer of 9mm (AAZ038-BIC9)

NR. 3 inner reductions of 17, 19 and 21 (AAZ038-17 – AAZ038-19 – AAZ038-21)



AAZ038-BASE-KIT

Kit to mount nr. 4 glasses for CR injectors

Nr. 4 plexiglas glasses with glass-bushes with its adaptors and reductions



AAZ034-SUP

Stand kit to mount on test bench common rail injectors. (without plexiglass glasses).



AAZ034-EX

Stand kit to mount on test bench common rail injectors complete with 4 plexiglas glasses with glass-bushes.



COMMON RAIL TOOLS

TOOLS

TO WORK WITH OUR SIMULATORS

COMMON RAIL TOOLS

2. TOOLS TO WORK WITH AZCBCR-4-SIM



2.1 CLAMPS FOR COMMON RAIL INJECTORS

AZ0309-02	Man	diam: 29mm
AZ0309-04A	Remault Premium 420cv	diam: 32mm
AZ0309-05N	Fiat Tector – Cummins	diam: 26.5mm
AZ0309-06	Denso	diam: 27mm
AZ0309-07	Denso	diam: 23.5mm
AZ0309-08	Man	diam: 26mm
AZ0309-09	Man - Temsa	diam: 28mm
AZ0309-10	Cummins	diam: 26.5mm
AZ0309-11	Siemens VDO	solo recupero
AZ0309-12	Sisu	diam: 26.6mm
AZ0309-13	Delphi Smart Injector	EUP
AZ0309-14	Denso	diam: 24mm
AZ0309-15	Denso	- only back leak - diam: 18.5mm
AZ0309-16	Scania	-2 pin - diam: 40.5mm
AZ0309-17	Deutz	-only back leak - diam: 21mm
AZ0309-18	Cursor 9	-only back leak- diam: 35mm
AZ0309-19	Bosch MTU	-only back leak- diam: 26mm
AZ0309-20	Scania 4 PIN	-only back leak- diam: 35mm

COMMON RAIL TOOLS

2.2

BRACKET AND SUPPORTS



AS0003-00

Bracket Bosch ISO

Similar: 1.688.010.124



AAE157-08

Bracket diam 50 for CP1 pump

Similar: 1.685.720.062



AAE001-02

Bracket for CP3 pump



AAE001-03

Bracket with ring for CP3 pump Mercedes



AAE000-04

Bracket for Delphi pump on Ford and Renault Megane



AAE000-04A

Bracket for Delphi pump (2 HOLES)

COMMON RAIL TOOLS



AAE000-04B Bracket for Delphi pump with holes



AAE001-NIP Bracket for common rail Denso HP2/3 pump on Ford and Fiat



AAE001-CP1H3 Bracket for CP1 H3 pump



AAE001-CP4 Bracket for CP4 pump



AAE002-CR Bracket for Nissan Qashqai pump

AAE003-CR Bracket for Siemens 5SW40157 pump

AAE004-CR Bracket for Siemens 5SW40565 pump



AAE001-MERC Bracket for CP1 Mercedes pump



AAZ026-03 Kit flange and connections for CP1 Mercedes pump

COMMON RAIL TOOLS

2.3

ADAPTORS FOR PRESSURE SENSOR



AAZ034-08

Adaptor pressure sensor CP3



AAZ034-15

Adaptor pressure sensor CP1H/CP3



AAZ034-07

Adaptor pressure sensor DELPHI



AAZ034-16

Adaptor pressure sensor SIEMENS



AAZ034-17

Adaptor pressure sensor DENSO



AAZ034-20

Adaptor pressure sensor SIEMENS - BOSCH

COMMON RAIL TOOLS

2.4

ADAPTORS FOR PRESSURE REGULATOR AND CONNECTIONS



AAZ034-19 Adaptor pressure sensor SIEMENS pump



AAZ034-13 False pressure regulator for CP1 pump



AAZ034-22 False pressure regulator for Denso HP3 – CP3 pump



AAZ034-18 Connection to fix high pressure pipes with Siemens pump



AAZ034-21 Connection for pressure Siemens with supply valve



AAZ034-CP4 Connection to fix high pressure pipes on CP4 pumps

COMMON RAIL TOOLS

2.5

MOTORING COUPLING



AG0119-00 Coupling for test bench Bosch
Similar: 1.686.401.028
Hole 10mm or Hole 12mm for EPS 815
(please details in the order)



AG0020-01 Coupling cone 20 with puller
L= 100m
Similar: 1.686.430.024



AG0025-02 Coupling cone 25 with puller
Similar: 1.686.430.026



AG0025-CP4 Coupling cone 25 for CP4 pumps.
Coupling composed of: AG0025-02 +
AG0000-CP4 screw for CP4 pumps



AG0000-CP4 Screw 18x1.5 for coupling cone 25 for CP4
pumps



AG0131-CR8 Coupling for CP1 pumps – Cut 8mm

AG0132-CR9 Coupling for CP1 pumps – Cut 9mm

AG0133-CR10 Coupling for Denso/Siemens pumps on Ford
and Fiat – Cut 10mm

AG0134-C.D8 Coupling for Delphi pumps – CUT 8mm

SIMULATORS

CAM-BOX

3. AZCBCR-CB

CAM-BOX SIMULATOR



TO TEST UNIT-INJECTOR ON
TEST BENCH

UNIT INJECTOR 2-4 PIN DELPHI
WITH CALIBRATION TABLES

OPTIONAL:

RSP x TO MEASURE "BIP"
MOMENT

CAM-BOX-NUDO

The simulator can test all kind of unit-injector and permits to do the following tests:

- Quality of the bobbins.
- It tests on test bench Electromagnetic and Piezo unit injectors and pump injectors
- It reads and measures the "BIP" moment, if connected to optional RSP.
- It tests Delphi 2 and 4 PIN.
- To be used on a test bench with a mechanical cam-box (AZ0134-CB-NUDO)

OPTIONAL:

- ☐ AZ0134-CB-NUDO Mechanical cam-box base to be mounted on a test bench to fix unit injectors.

The mechanical part of our cam-box (AZ0134-CB-NUDO) is universal; it can be mounted on every kind of diesel test bench. The height of our cam-box, from the base to the camme is the same of equipments BOSCH: 125mm.

If you wish to work on test bench with different height it is necessary to buy special adaptors (of our production).

- ☐ KIT of ADAPTORS for all the unit injectors on the market
- ☐ RSP – sensor to measure BIP point.

NEW
UNIVERSAL

SIMULATORS CAM-BOX

4. BEEPER

TO MEASURE BIP MOMENT
USEFULL FOR ALL THE CAM-
BOX NOW ON THE MARKET

TESTER TO MEASURE BIP MOMENT



Tester to measure the BIP moment. The instrument is universal because it can be mounted on the most part of the cam-box simulator (EUI) of old generation on the market.

It permits to measure the BIP from the bobbin of the uni-injector (EUI).

UNIVERSAL – ADAPTABLE TO MOST PART OF CAM-BOX SIMULATOR -

SIMULATORS

OPTIONAL CAM-BOX

3.1 OPTIONAL PER AZ0134-CB

☐ AZ0134-CB--NUDO



CAM-BOX MECCANICO – Cam-box base to be mounted on a test bench to fix unit injectors

The mechanical part of our cam-box (AZ0134-CB-NUDO) is universal; it can be mounted on every kind of diesel test bench. The height of our cam-box, from the base to the camme is the same of equipments BOSCH: 125mm.

If you wish to work on test bench with different height it is necessary to buy special adaptors (of our production).

The mechanical cam-box base tests Volvo and some Iveco version. To test different unit injector we produce the following special kit of adaptors:

- AZ0134-CB-SCANIA
- AZ0134-CB-DETROIT TYPE 5235580/570 (special version for both types)
- AZ0134-CB-CUMMINS
- AZ0134-CB-ACTROS MERCEDES
- AZ0134-CB-ATEGO
- AZ0134-CB-DAF
- AZ0134-CB-CATERPILLAR L 10
- AZ0134-CB-CATERPILLAR L 15
- AZ0134-CB-500HP DELPHI
- AZ0134-CB-JOHN DEERE DELPHI
- AZ0134-CB-IVECO CURSOR 350 CV *
- AZ0134-CB-LAND ROVER / DISCOVERY*
- AZ0134-CB-VOLKSWAGEN*
- *To test with little cam-shaft AZ0134-CB-ALB

It is possible to buy only the kit of adaptors you need.

SIMULATORS

OPTIONAL CAM-BOX

☐ AZCBCR-RSP



AZCBCR-RSP - Sensor RSP – Sensor to measure the reaction-time of the injector.

☐ CAM-BOX ADAPTORS

AZ0134-CB-CAT-15 Kit Cam-Box UIS Caterpillar L15

<u>CB0146-03</u> Raccordo iniettore Caterpillar Connector for Caterpillar injector	<u>CB0146-02</u> Carterino paraschizzi Carter
<u>CB0138-02</u> Vite su bilanciere per precarico punteria Screw for preloading tappet	<u>CB0146-01</u> Blocchetto Caterpillar con staffa di fissaggio Caterpillar clamp with fixing bracket

Presentazione Cam-Box

SIRINI S.r.l.

5

SIMULATORS

OPTIONAL CAM-BOX

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-CAT Kit Cam-Box USI Caterpillar L10

<u>CB0137-01</u>  Bicchierino rompigetto Cat Connector for Cat injector	<u>CB0137-02</u>  Blocchetto Caterpillar Caterpillar clamp
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Presentazione Cam-Box
SIRINI S.r.l.
7

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-MER Kit Cam-Box PDL 110 Mercedes Actros

<u>CB0129-01</u>  Adattatore per pompa Actros Adaptator for Actros pump	<u>CB0129-02</u>  Coperchio paraschizzi Carter
<u>AZ0309-01</u>  Blocchetto Actros diam. 26 Actros clamp diam. 26	

Presentazione Cam-Box
SIRINI S.r.l.
8

SIMULATORS

OPTIONAL CAM-BOX

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-VW Kit Cam-Box PDE UIS Volkswagen

<u>CB0134-06</u>  Adattatore pompa iniettore VW tipo Standard e Piezo Adaptator for VW injector-pump Piezo and standard type	<u>CB0134-03</u>  Adattatore pompa iniettore VW con dado esagonale Adaptator for VW injector-pump with hexagonal nut
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<u>CB0134-04</u> Vite bilanciere per precarico punteria Screw for preloading tappet 	<u>CB0134-05</u> Bicchierino rompigitto VW e Rover Connector for VW and Rover damper 	<u>CB0134-02</u> Carterino paraschizzi tipo D Protection Carter type D 
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•Per lavorare con questo kit è necessario avere l'albero a camme AZ0134-ALB.
•For workind with this kit it is necessary to have the camshaft AZ0134-ALB.

Presentazione Cam-Box SIRINI S.r.l. 9

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-ATEGO Kit Cam-Box PDL 100 Mercedes Atego

<u>CB0133-01</u>  Adattatore per pompa Atego Adaptator for Atego pump	<u>CB0129-02</u>  Carterino paraschizzi Carter
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AZ0309-01



Blocchetto Actros diam. 26

Actros clamp diam. 26

Presentazione Cam-Box SIRINI S.r.l. 10

SIMULATORS

OPTIONAL CAM-BOX

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-DAF Kit Cam-Box PDL Daf – Mack - Renault

<u>CB0144-01</u>  Adattatore per pompa Daf, Mack e Renault Adaptator for Daf, Mack e Renault pumps	<u>AZ0309-00</u>  Blocchetto Mack smontaggio / prova diam. 24 Mack clamp diam. 24
<u>CB0129-02</u>  Coperchio paraschizzi Carter	<u>AZ0309-02</u>  Blocchetto Man Man clamp

Presentazione Cam-Box
SIRINI S.r.l.
11

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-SCANIA Kit Cam-Box Scania

<u>CB0140-01</u>  Blocchetto pompa iniettore Scania Clamp for Scania injector-pump	<u>CB0139-01</u>  Vite tipo B su bilanciere per precarico punteria Screw for preloading tappet
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Presentazione Cam-Box
SIRINI S.r.l.
12

SIMULATORS

OPTIONAL CAM-BOX

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-IVE Kit Cam-Box PDE 90 PDE 30 Iveco Cursor 350

CB0128-01



Adattatore pompa iniettore Iveco
Cursor piccolo (molla corta)

Adaptator for Iveco Cursor
injector-pump Little (short spring)

Per lavorare con questo kit è necessario avere l'albero a camme AZ0134-ALB.

For workind with this kit it is necessary to have the camshaft AZ0134-ALB.

Presentazione Cam-Box SIRINI S.r.l. 14

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-JD Kit Cam-Box John Deere Delphi

CB0147-00



Blocchetto Delphi John Deere

Delphi John Deere clamp

Presentazione Cam-Box SIRINI S.r.l. 15

SIMULATORS

OPTIONAL CAM-BOX

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-CUMM Kit Cam-Box Cummins

<u>CB0138-01</u>  Bicchierino rompighetto Detroit Diesel Connector for Detroit Diesel damper	<u>CB0139-01</u>  Vite tipo B su bilanciere per precarico punteria Screw for preloading tappet
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CB0139-02



Blocchetto pompa iniettore Cummins

Clamp for Cummins injector-pump

Presentazione Cam-Box
SIRINI S.r.l.
16

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-500HP blocchetto per: Delphi Volvo 520HP - Volvo 4Pin - Iveco Stralis

CB0148-01



Blocchetto per Delphi Volvo 520HP; Delphi Volvo 4Pin; Iveco Stralis. Dim: 60x60mm.

Clamp for Delphi Volvo 520HP; Delphi Volvo 4Pin; Iveco Stralis. Dim: 60x60mm.

Presentazione Cam-Box
SIRINI S.r.l.
17

SIMULATORS

OPTIONAL CAM-BOX

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-DET70 Kit Cam-Box Detroit 5234770 - 5235580

<u>CB0138-01</u>  Bicchierino rompigitto Detroit Diesel Connector for Detroit Diesel damper	<u>CB0129-02</u>  Coperchio paraschizzi Carter
<u>CB0138-02</u>  Vite tipo D su bilanciore per precarico punteria Screw for preloading tappet	<u>CB0138-03</u>  Blocchetto pompa iniettore Detroit Clamp for Detroit injector-pump

Per lavorare con questo kit è necessario avere l'albero a camme AZ0134-ALB.

For working with this kit it is necessary to have the camshaft AZ0134-ALB.

Presentazione Cam-Box
SIRINI S.r.l.
6

Sirini S.R.L.
Diesel manufacturer

AZ0134-CB-ALB Albero a camme Iveco Detroit Volkswagen

AZ0134-CB-ALBER



Albero a camme per Iveco, Land Rover Discovery e Volkswagen

Camshaft for Iveco, Land Rover Discovery and Volkswagen

Presentazione Cam-Box
SIRINI S.r.l.
18

ONE
SIMULATOR

SIMULATORS

COMMON RAIL + CAM-BOX

4.

AZCBCR-4-SIM-CB

COMMON RAIL SIMULATOR + SIMULATORE CAM-BOX



COMMON RAIL SIMULATOR

BOBBIN CONTROL
CALIBRATION PRESSURE ON
THE TEST BENCH
BALL-LIFT
QUANTITY TEST ON TEST
BENCH
OPTIONAL : RSP - KIT
EXCLUSIVE



CAM-BOX SIMULATOR

TO TEST UNIT-INJECTORS ON
TEST BENCH
UNIT-INJECTORS 2-4 PIN DELPHI
OPTIONAL:
RSP x TO MEASURE BIP MOMENT
CAM-BOX-NUDO

This simulator is complete with:

- Simulator for common rail injectors and pumps (AZCBCR-4-SIM)
- Cam-box simulator to control unit injectors (AZCBCR-CB)

One tester to control unit-injectors, injectors and pumps common rail

OPTIONAL:

- ☐ AZCBCR-RSP - RSP sensor to measure time of answer and BIP point
- ☐ AAZ034-EX Kit to mount injectors on the test bench version EXCLUSIVE
- ☐ AZ0134-CB-NUDO Mechanical cam-box base
- ☐ CAM-BOX Adaptors



Diesel manufacturer

COMMON RAIL INJECTORS

COMMON RAIL INJECTORS

PULLERS



AE0400-CR

Universal puller to extract all kind of injectors, from traditional ones to common rail Bosch, Delphi, Siemens and Denso

It permits to extract the injectors working outside the vehicle, outside of the engine compartment. It has been designed to extract the injectors placed in restricted area.

It is possible to see how the puller works on YOUTUBE digiting FILMAE0400



AE0401-CR01 – ANGLE CONNECTION FOR PULLER AE0400-CR
Connection for vertical extraction

AE0401-CR02 – ANGLE CONNECTION FOR PULLER AE0400-CR
Connection for vertical extraction



AE0401-CR03 – ANGLE CONNECTION FOR PULLER AE0400-CR
Connection for vertical extraction



COMMON RAIL INJECTORS

CONTROL OF THE INJECTORS DIRECTLY FROM THE ENGINE



AZ0134-10CRM – BURETTES KIT TO CHECK THE BACK LEAKAGE OF CR INJECTORS (INCLUDED MERCEDES)

AZ0134-12CR – BURETTES KIT TO CHECK THE BACK LEAKAGE OF CR INJECTORS (INCLUDED MERCEDES) WITH CONNECTIONS FOR NOZZLEHOLDERS BOSCH – DELPHI – SIEMENS AND DENSO



AZ0134-10KIT – CONNECTIONS KIT FOR AZ0134-10CRM FOR ALL KIND OF NOZZLEHOLDERS – BOSCH – DELPHI – SIEMENS AND DENSO

AAZ034-25 – KIT DI 6 ADAPTORS FOR BACK LEAK OF DENSO NOZZLEHOLDERS
For test benches and AZ0134-10CRM



AAZ034-26 – KIT DI 6 ADAPTER FOR BACK LEAK BOSCH, SIEMENS AND DENSO NOZZLEHOLDERS
For test benches and AZ0134-10CRM

AAZ034-26T – ADAPTOR SHAPED AS “T” FOR BACK LEAK OF CR BOSCH NOZZLEHOLDERS



Note for AZ0134-10CRM

Denso nozzleholders: use the adaptors of the tool kit AZ0134-10CRM with AAZ034-25

Siemens nozzleholders: remove the adaptors of the tool kit AZ0134-10CRM and use AAZ034-26

Delphi nozzleholders: use directly the pipes of the tool kit AZ0134-10CRM without the adaptors on the nozzleholders.

COMMON RAIL INJECTORS

PULLERS



AE0226-00 – SLIDING HAMMER Length: 340 mm

AE0226-01 – SLIDING HAMMER Length: 480 mm

AE0247-04 – PULLER FOR BOSCH COMMON RAIL NOZZLEHOLDERS. 27x1
To be used with AE0226-00



AE0247-04A – PULLER FOR INTERNAL CR NOZZLEHOLDER. 17x1
To be used with AE0226-00

AE0247-14 – DOUBLE PULLER FOR COMMON RAIL INJECTOR WITH INSIDE AND OUTSIDE CONNECTION.
Inside connection with thread 17x1 (our AE0247-04A)
Outside connection with thread 20x1.



AE0247-02 – PULLER FOR IVECO TECTOR

AE0247-02C – PULLER FOR MERCEDES



COMMON RAIL INJECTORS

AE0247-07 – PULLER FOR SPRINTER



AE0247-08 – PULLER FOR CR FIAT DUCATO 2.2 JTD

AE0247-09 – PULLER FOR CR SIEMENS. 25X1
To be used with AE0226-00



AE0247-10 – PULLER FOR CR DENSO 25X0.5MM
To be used with AE0226-00

**AE0247-11 – PULLER FOR FIAT ULISSE – PEOGEOT 807
CITROEN EVASION.**



AE0247-12 – PULLER FOR DELPHI INJECTOR ON REXTON 2.7

AE0247-13 – PULLER FOR CR DENSO 20X1 TOYOTA MAZDA



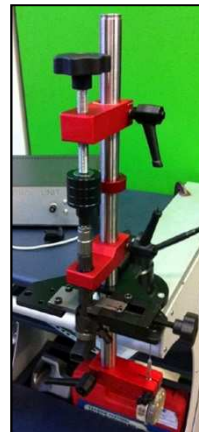
COMMON RAIL INJECTORS

AZ0352-CR SWIVEL PRESS TO REPAIR COMMON RAIL INJECTORS

For Stage 1 and Stage 2

Similar Bosch: 0.986.610.130

To use with vice AA2919-01 or vice AZ0134-0A



AAZ006-KIT – COMPARATOR BEARING FOR COMMON RAIL INJECTORS - WITH DIGITAL MILLESIMAL COMPARATOR

Comparator bearing with 2 fixing part for common rail nozzleholders (17 and 19mm) with digital millesimal comparator

AAZ006-CR – COMPARATOR BEARING FOR COMMON RAIL INJECTORS - WITHOUT DIGITAL MILLESIMAL COMPARATOR

Comparator bearing with 2 fixing part for common rail nozzleholders (17 and 19mm) without digital millesimal comparator

AAZ006-MIL –DIGITAL MILLESIMAL COMPARATOR

Stroke from 0 to 15mm



DISASSEMBLY



AZ0062-00 BOX WITH PLATE TO MOVE INJECTORS

Plastic box with pierced plate to transport in safety injectors and unit-injectors (without damaging the pulverizers)

AB0129-CR UNIVERSAL CLAMP FOR COMMON RAIL

Clamp to use with vice – Universal -



COMMON RAIL INJECTORS



AZ0313-CR – TOOL TO DISMOUNT AND MOUNT COMMON RAIL NOZZLEHOLDERS AND UNIT-INJECTOR.

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 TRASFORM 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.

AZ0313-CRKIT– 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.

COMMON RAIL INJECTORS



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 CWITH 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.

Similiar: 0.986.613.427

COMMON RAIL INJECTORS

TORQUE WRENCHES



AC0516-CR – TORQUE WRENCH WITH ENGAGE CONNECTION.

Measure engage connection: 14x18mm

Nm: from 20 to 100 Nm

AC0516-CR1 – TORQUE WRENCH WITH ENGAGE CONNECTION.

Measure engage connection: 9x12mm

Nm: from 4 to 20 Nm



AC0516-3S – DIGITAL TORQUE WRENCH WITH DISPLAY

On the display you see the screw up parameters (Nm and degrees)

Engage connection: 9x12mm

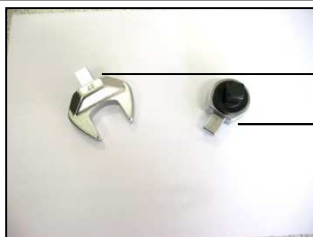
Made in Italy

Sold with:

AC0516-27 – flat wrench 27mm with engage connection 9x12

AC0516-CR3 – ratchet wrench with engage connection 9x12

RECOMMENDED



AC0516-CR2 – RATCHET WRENCH

Measure engage connection: 14x18mm

Connection: 1/2"



AC0516-CR3 – RATCHET WRENCH

Measure engage connection: 9x12mm

Connection 1/2"

COMMON RAIL INJECTORS



AC0516-CR22 – WRENCH OF 22MM WITH ENGAGE CONNECTION

Measure engage connection: 14x18mm
Wrench dimension: 22mm

AC0516-CR27 – WRENCH OF 27MM WITH ENGAGE CONNECTION

Measure engage connection: 14x18mm
Wrench dimension: 27mm



AC0516-27 – WRENCH OF 27MM WITH ENGAGE CONNECTION

Measure engage connection: 9x12mm
Wrench dimension: 27mm

AC0516-CR30 – WRENCH OF 30MM WITH ENGAGE CONNECTION

Measure engage connection: 14x18mm
Wrench dimension: 30mm



AC0516-CR36 – WRENCH OF 36MM WITH ENGAGE CONNECTION FOR SIEMENS SENSOR

Measure engage connection: 14x18mm
Wrench dimension: 36mm

AC0516-19 – WRENCH TO DISMOUNT NUT OF CR INJECTORS DENSO WITH DYNAMOMETRIC WRENCH

Star of 19 mm
Measure engage connection: 9x12mm



AC0516-CR19 – WRENCH TO DISMOUNT NUT OF CR INJECTORS WITH DYNAMOMETRIC WRENCH

Star of 19mm
Measure engage connection 14x18mm

COMMON RAIL INJECTORS



AC0516-CR28 – TOOTHED WRENCH OF 28MM

Star: 28

Measure engage connection: 14x18mm

Similar: 0.986.613.238

AC0516-CR32 – TOOTHED WRENCH OF 32MM

Star: 32

Measure engage connection: 14x18mm

Similar: 0.986.613.240



TOOL KIT TO DISMOUNT COMMON RAIL INJECTORS



AZ0061-CR – COMPLET TOOL KIT TO DISMOUNT INJECTORS BOSCH CRI + CRIN

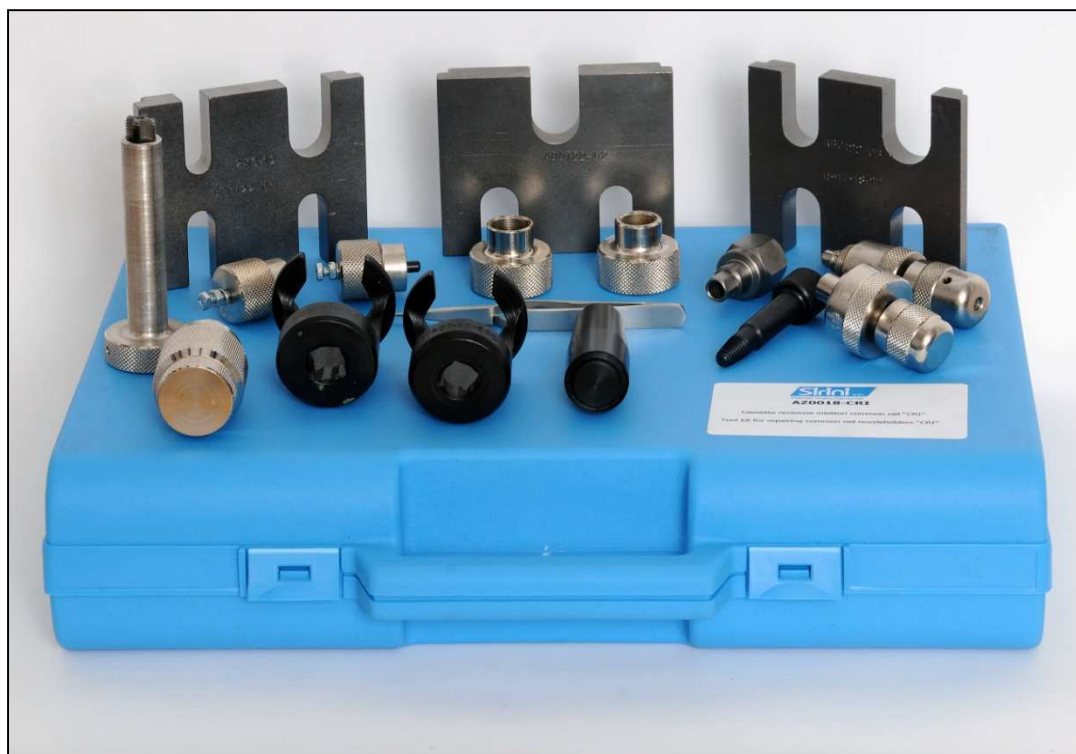
The AZ0061-CR tool kit contains all the tools of AZ0019-CRI and AZ0060-CRIN (see next pages) but without AB0122-01, AB0122-02, AB0122-03.

COMMON RAIL INJECTORS

AZ0018-CRI – TOOL KIT TO REPAIR COMMON RAIL NOZZLEHOLDERS BOSCH “CRI”



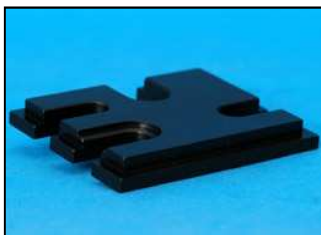
AZ0018-CRI: Tool kit to dismount, to overhaul and to remount of common rail injectors “CRI”.
Similar 0.986.613.650.



COMMON RAIL INJECTORS

AZ0018-CRI – TOOL KIT TO REPAIR COMMON RAIL NOZZLEHOLDERS BOSCH “CRI”

In the tool kit are included:



AB0122-01 – UNIVERSAL CLAMP FOR NOZZLEHOLDERS

Wrench dimensions 11-12-13-19mm
In tool kit AZ0018-CRI – Sold also individually

AB0122-02 – UNIVERSAL CLAMP FOR NOZZLEHOLDERS

Wrench dimensions: 14-16-20mm
In tool kit AZ0018-CRI – Sold also individually



AB0122-03 – UNIVERSAL CLAMP FOR NOZZLEHOLDERS

Wrench dimensions 15-17-18-22mm
In tool kit AZ0018-CRI – Sold also individually

AC0500-00 – DISMOUNTING WRENCH FOR SOLENOID

Hexagon 29mm
Similar 0.986.613.633
In tool kit AZ0018-CRI – Sold also individually



AC0501-00 – DISMOUNTING WRENCH FOR SOLENOID

Hexagon 30mm
Similar 0.986.613.638
In tool kit AZ0018-CRI – Sold also individually

COMMON RAIL INJECTORS

AAZ034-24-1 – ANTIMAGNETIC PLIERS WITH INVERSE OPENING

In tool kit AZ0018-CRI – Sold also individually



AZ0044-01 – FIBER RING PULLER

In tool kit AZ0018-CRI and AZ0044-00 – Sold also individually

AC0483-GR – WRENCH TO DISMOUNT THE INTERNAL RING-NUT OF BOSCH NOZZLEHOLDERS (17x1mm)

Hexagon 10mm – Hole 6.5mm

Similar 0.986.613.630

In tool kit AZ0018-CRI – Sold also individually



AAZ034-623 – PULLER FOR BAR AND VALVE

Thread: 15mm

Similar 0.986.613.623

In tool kit AZ0018-CRI – Sold also individually

AAZ034-626 – PULLER FOR BAR AND VALVE

Thread: 17mm

Similar 0.986.613.626

In tool kit AZ0018-CRI – Sold also individually



AAZ034-667 – THREAD PROTECTION WITH SUPPORT BASE

Thread: 15mm

Similar 0.986.613.667

In tool kit AZ0018-CRI – Sold also individually

AAZ034-668 – THREAD PROTECTION WITH SUPPORT BASE

Thread: 17mm

Similar 0.986.613.668

In tool AZ0018-CRI – Sold also individually



COMMON RAIL INJECTORS



AAZ034-619 – PULLER AND INSERTER FOR SOLENOID SEEGER
Similar 0.986.613.619
In tool kit AZ0018-CRI – Sold also individually

AAZ034-618 – INSERTER FOR SOLENOID OR
Similar 0.986.613.618
In tool kit AZ0018-CRI – Sold also individually



AAZ034-640 – FIBER RING POSITIONING TOOL
Similar 0.986.613.640
In tool kit AZ0018-CRI – Sold also individually

AAZ034-613 – INSERTER OF THE VALVE
Similar 0.986.613.613
In tool kit AZ0018-CRI – Sold also individually



AAZ034-682 – TOOL TO REPAIR THE THREAD OF HIGH-PRESSURE IN-LET CONNECTION
Similar 0.986.613.682
In tool kit AZ0018-CRI – Sold also individually

COMMON RAIL INJECTORS

AZ0060-CRIN – TOOL KIT TO REPAIR COMMON RAIL NOZZLEHOLDERS BOSCH “CRIN”



AZ0060-CRIN: Tool kit to dismount, to overhaul and to remount of common rail injectors “CRIN”.
Similar 0.986.613.669.



COMMON RAIL INJECTORS



AAZ034-616 INSERTER FOR SOLENOID SEEGER

Similar 0.986.613.616

In tool kit AZ0060-CRIN. Sold also individually

AAZ034-628 PULLER FOR BAR AND VALVE

Thread: 19mm

Similar 0.986.613.628 –

In tool kit AZ0060-CRIN. Sold also individually



AC0483-12TX WRENCH FOR INTERNAL RIGN-NUT 12 TORX

Torx

Similar 0.986.613.631

In tool kit AZ0060-CRIN. Sold also individually

AC0483-10TX WRENCH FOR INTERNAL RING-NUT 10 TORX

Torx

Similar 0.986.613.632

In tool kit AZ0060-CRIN. Sold also individually



AAZ034-669 THREAD PROTECTION WITH SUPPORT BASE

Thread 19mm

Similar 0.986.613.669

In tool kit AZ0060-CRIN. Sold also individually

COMMON RAIL INJECTORS



AC0498-00 DISMOUNT WRENCH FOR TECTOR SOLENOID

Wrench dimension: 28mm 12 sides

Similar 0.986.613.184

In tool kit AZ0060-CRIN. Sold also individually

AC0509-00 DISMOUNT WRENCH FOR MAN SOLENOID

Wrench dimension: 27mm 12 sides

Similar 0.986.613.185

In tool kit AZ0060-CRIN. Sold also individually



AAZ034-646 FIBER RING POSITIONING TOOL

Similar 0.986.613.646

In tool kit AZ0060-CRIN. Sold also individually

AAZ034-648 FIBER RING POSITIONING TOOL

Similar 0.986.613.648

In tool kit AZ0060-CRIN. Sold also individually



AAZ034-408 TOOL TO MEASURE THE ANGLE

Similar 0.986.612.408

In tool kit AZ0060-CRIN. Sold also individually

COMMON RAIL INJECTORS

SEVERAL DISMOUNTING WRENCH



AZ0501-CR – KIT DI 6 OPEN WRENCHES TO DISMOUNT CR INJECTORS

Wrench dimensions: 15, 17, 19, 27, 29 and 30mm.

Each single wrench is also sold individually with code:

AZ0501-CR15; AZ0501-CR17; AZ0501-CR19; AZ0501-CR27;
AZ0501-CR29; AZ0501-CR30.

AZ0501-CR25 –OPEN WRENCH TO DISMOUNT SIEMENS INJECTORS

Wrench dimension: 25 mm..



AC0509-00 – DISMOUNTING WRENCH FOR SOLENOID OF MAN INJECTORS

Wrench dimension: 27mm

Sold individually and also in tool kit AZ0060-CRIN.

AC0498-00 DISMOUNT WRENCH FOR TECTOR SOLENOID

For injector Man with 12 sides. Wrench dimension: 28mm

Sold individually and also in tool kit AZ0060-CRIN



AC0491-00 – WRENCH TO DISMOUNT DELPHI INJECTORS

Wrench dimension: 21mm

COMMON RAIL INJECTORS

AC0499-00 – WRENCH WITH 3 PINS TO DISMOUNT INTERNAL RING-NUT OF RAIL DELPHI



AC0483-00 – WRENCH TO DISMOUNT INTERNAL RING-NUT OF BOSCH INJECTORS

Hexagon 10mm – hole 6.5mm

AC0483-GR – WRENCH TO DISMOUNT INTERNAL RING-NUT OF BOSCH INJECTORS

Hexagon 10mm – hole 7.5mm



AC0483-12TX WRENCH FOR INTERNAL RING-NUT 12 TORX

Torx

Similar 0.986.613.631

In tool kit AZ0060-CRIN. Sold also individually

AC0483-10TX WRENCH FOR INTERNAL RING-NUT 10 TORX

Torx

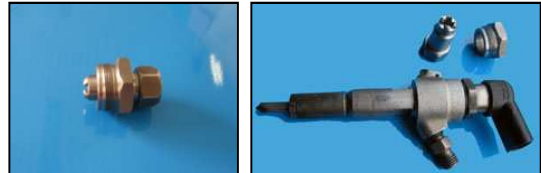
Similar 0.986.613.632

In tool kit AZ0060-CRIN. Sold also individually



COMMON RAIL INJECTORS

AC0505-00 – WRENCH WITH DRIVER FOR SIEMENS INJECTORS



AC0506-00 - WRENCH FOR DAILY

Wrench to dismount pulverizer nut of Dayli injectors similar to 0.445.110.273

Wrench dimension: octagonal nut 17, 5 mm

AC0506-16 - WRENCH TO DISMOUNT THE OCTAGONAL NUT OF CR INJECTOR OF MM 16

Wrench dimension: octagonal nut 16 mm



AC0506-KIT– KIT DI 4 WRENCHES TO OPEN THE PULVERIZER NUT OF CR INJECTORS

AC0506-14 internal hexagon 14mm for Nippodenso

AC0506-15 internal hexagon 15mm Similar 0.986.610.151

AC0506-17 internal hexagon 17mm Similar 0.986.610.152

AC0506-19 internal hexagon 19mm Similar 0.986.610.153

To be used with open wrench AZ0501-CR27 with dynamometric connection.

Each single wrench is also sold individually.

AZ0501-CR27 –OPEN WRENCH WITH DYNAMOMETRIC CONNECTION ½"

Wrench dimension: 27 mm.



COMMON RAIL INJECTORS



AC0508-00 – WRENCH WITH 3 TEETH TO DISMOUNT INTERNAL RING-NUT OF DENSO INJECTORS

To be used with pneumatic impact-wrench with connection 1/2"

AC0518-00 – WRENCH TO DISMOUNT THE INTERNAL RING-NUT OF THE SOLENOID OF INJECTORS C.R. DENSO

Hexagonal: 7/8

Wrench with connection of 1/2"



AC0516-19 – WRENCH TO DISMOUNT THE NUT OF INJECTORS C.R. DENSO WITH DYNAMOMETRIC WRENCH

Star: 19

To use with dynamometric wrench with connection 9x12mm our code AC0516-CR1

AC0516-CR19 – WRENCH TO DISMOUNT THE NUT OF INJECTORS C.R. DENSO WITH DYNAMOMETRIC WRENCH

Star: 19

To use with dynamometric wrench with connection 14x18mm our code AC0516-CR



AC0516-CR28 – TOOTHED WRENCH OF 28MM

Star: 28

Measure engage connection: 14x18mm

Similar: 0.986.613.238

AC0516-CR32 – TOOTHED WRENCH OF 32MM

Star: 32

Measure engage connection: 14x18mm

Similar: 0.986.613.240



COMMON RAIL INJECTORS

PULLER FOR VALVE-SET

AE0280-CR – PULLER FOR VALVE-SET (VALVE GROUP) FOR CR INJECTORS – CRI -

It permits to extract the valve set without dismounting the pulverizer side.



AE0281-CR – PULLER FOR VALVE-SET (VALVE GROUP) FOR CR INJECTORS –CRIN-

It permits to extract the valve set without dismounting the pulverizer side.

AE0285-CR – PULLER FOR BOBBIN BUSH OF CR INJECTOR BOSCH

Only for CRI 2.1



PULLER AND INSERTER FOR FIBER RING



AZ0044-00 – KIT PULLER/INSERTER FOR FIBER RING

AAZ034-640 – FIBER RING POSITIONING TOOL

Similar 0.986.613.640

In tool kit AZ0018-CRI – Sold also individually



COMMON RAIL INJECTORS



AAZ034-646 FIBER RING POSITIONING TOOL

Similar 0.986.613.646

In tool kit AZ0060-CRIN. Sold also individually

AAZ034-648 FIBER RING POSITIONING TOOL

Similar 0.986.613.648

In tool kit AZ0060-CRIN. Sold also individually



INJECTOR DENSO – HOW TO REPLACE FILTER



AZ0071-C.R – CASSETTA FOR ANTI-POWDERS FILTER OF COMMON RAIL INJECTORS DENSO

COMMON RAIL INJECTORS

CLEANING AND HOLDING-BALL SEAT TEST OF CR VALVES

AAZ034-24 – PLIERS KIT IN INOX ANTI-MAGNETIC



AZ0040-00 – TOOL KIT FOR LAPPING COMMON RAIL INJECTORS SPHERICAL SEAT

AZ0134-MO-01 – GRINDING WHEEL IN SOFT CLOTH
To be used on every grindmachine.



AZ0134-MO-02 – ABRASIVE PASTE TO POLISH THE HOLDING BALL VALVE
To be used with grinding wheel in soft cloth (AZ0134-MO-01).

AZ0503-03 - LENT STRONG ENLARGEMENT X10 WITH LAMP



AZ0503-04CR - LENT ENLARGEMENT WITH LAMP WITH 6 LED



COMMON RAIL INJECTORS



AAZ100-00 – HOLDING-BALL VALVE POWER-TESTER

The kit AAZ100-00 includes nr. 1 vacuum tester (AAZ007-09N) and nr. 1 special cylindrical support (AAZ034-29). The kit checks the power of the holding-ball valve to keep the vacuum in the common rail Bosch injectors.

AAZ034-29 –CYLINDRICAL SUPPORT FOR HOLDING-BALL VALV

Cylindrical support with calibrated hole to check the vacuum capacity of the valves of common rail Bosch injectors.

The AAZ034-29 is included in kit AAZ100-00. Sold also individually



AAZ007-09N – PRESSURE AND VACUUM TESTER

Pressure test till 4 bar

Vacuum test till -1bar

The code AAZ034-09N is included in kit AAZ100-00. Sold also individually

COMMON RAIL INJECTORS

WASHING



AV0000-01 – ULTRASONIC CLEANING TANK FOR ALL THE COMPONENTS OF COMMON RAIL INJECTORS – 3,5 LT.

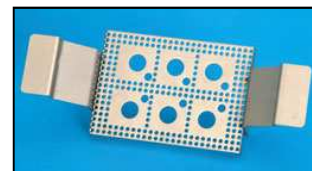
AV0001-01 – ULTRASONIC CLEANING TANK FOR ALL THE COMPONENTS OF COMMON RAIL INJECTORS – 6 LT.

AV0002-01 – ULTRASONIC CLEANING TANK FOR ALL THE COMPONENTS OF COMMON RAIL INJECTORS – 14 LT.

AV0003-01 – MULTIFREQUENCY ULTRASONIC CLEANING TANK FOR ALL THE COMPONENTS OF COMMON RAIL INJECTORS – 14 LT.

All our ultrasonic cleaning tanks are completely in INOX with heating system, RUBINETTO DI SCARICO, and level sensor (to avoid to burn the electric part). They are sold with basket in inox base and 1 lt of liquid BL9001-00

AV0000-0P – INOX BASKET FOR NOZZELHOLDERS



AV0000-P6 – INOX BASKET WITH 6 COMPARTMENTS TO STORE AND WASH ALL LITTLE COMPONENTS OF COMMON RAIL INJECTORS

BL9001-00 – ULTRASONIC CLEANING LIQUID

To wash: STEEL – IRON – INOX – CAOUTCHOUC – PLASTIC
Special for DIESEL parts
Sold in litres.

BL9001-01 – ULTRASONIC CLEANING LIQUID

To wash: ALUMINIUM – ZINC METAL - COPPER
Special for BODY OF DIESEL ENGINE
GAZOLINE INJECTORS
Sold in litres.



COMMON RAIL INJECTORS

TESTER CLAMP FOR NOZZLEHOLDERS



AZ0309-00 RENAULT MACK* **Diam: 24mm**

AZ0309-01 MERCEDES ACTROS* **Diam: 26mm**



AZ0309-02 MAN **Diam: 29mm**

AZ0309-03 RENAULT MACK 2* 480CV **Diam: 27.5mm**



AZ0309-04A RENAULT PREMIUM 420CV **Diam: 32mm**

AZ0309-05N FIAT TECTOR **Diam: 26.5mm**



- Serrare a max 20 Nm – Close max 20 Nm -

*Iniettori tradizionali / *Traditional nozzleholders

COMMON RAIL INJECTORS



AZ0309-06 DENSO

Diam: 27mm

AZ0309-07 DENSO

Diam: 23.5mm



AZ0309-08 MAN

Diam: 26mm

AZ0309-09 MAN - TEMSA

Diam: 28mm



AZ0309-10 CUMMINS

For injectors: 0.445.120.120

Diam: 26mm

AZ0309-11 SIEMENS VDO

Ford: 1975072C91-043007-800496502 (solo recupero/only return)



- Serrare a max 20 Nm – Close max 20 Nm -

*Iniettori tradizionali / *Traditional nozzleholders

COMMON RAIL INJECTORS



AZ0309-12 "SISU"

Ø = 26,6mm

Note: 0445120063

AZ0309-13 "DELPHI Smart Injector"

Note: Puoi provarlo come un "CRIN" o con Cam-Box e sua pompa Delphi Diesel Electronic Unit Pump (EUP) / You can use it like a standard "CRIN" or with Cam-Box and its Delphi Electronic Unit Pump (EUP).



AZ0309-14 "DENSO"

Ø = 24mm

Note: 1211-01G0206 (solo recupero / only return)

AZ0309-15 "DENSO" su/on Perkins

Ø = 19mm

Note: 2S00121185AF-9621-2645A719 (solo recupero / only return)



AZ0309-16 "SCANIA"

Ø = 40,5mm

Note: 1881565-0984301-083203390-CHQMDB50K (2 PIN)

AZ0309-17 "DEUTZ"

Ø = 21,5mm

Note: 0445120066 (solo recupero / only return)



- Serrare a max 20 Nm – Close max 20 Nm -

*Iniettori tradizionali / Traditional nozzleholders

COMMON RAIL INJECTORS



AZ0309-18 "CURSOR 9"

Ø = 35mm

Note: 0.445.120.092 – 0.445.120.279 (solo recupero / only return)

AZ0309-19 "BOSCH MTU"

Ø = 26mm

Note: Codice MTU X00005152 – Y431K05112

(solo recupero / only return)



AZ0309-20 "SCANIA 4 PIN"

Ø = 35mm

Note: da utilizzare con riduzione AAZ010-35 (16fX14m)

To be used with reduction AAZ010-35 (16fX14m)

(solo recupero / only return)



- Serrare a max 20 Nm – Close max 20 Nm -

*Iniettori tradizionali / Traditional nozzleholders

COMMON RAIL INJECTORS

QUICK CONNECTION

AAZ035-CR KIT OF 18 ADAPTORS WITH QUICK CONNECTIONS

Nr. 6 adaptors diam. 17mm
Nr. 6 adaptors diam. 19mm
Nr. 6 adaptors diam. 21mm
With quick connection with "L" shape – Suitable for EPS815



AAZ035-CR17 KIT OF 6 ADAPTORS WITH QUICK CONNECTIONS FOR INJECTORS DIAM. 17

Nr. 6 adaptors diam. 17mm
With quick connection with "L" shape – Suitable for EPS815

AAZ035-CR19 KIT OF 6 ADAPTORS WITH QUICK CONNECTIONS FOR INJECTORS DIAM. 19

Nr. 6 adaptors diam. 19mm
With quick connection with "L" shape – Suitable for EPS815



AAZ035-CR21 KIT OF 6 ADAPTORS WITH QUICK CONNECTIONS FOR INJECTORS DIAM. 21

Nr. 6 adaptors diam. 21mm
With quick connection "L" shape – Suitable for EPS815



AAZ034-09 QUICK CONNECTION diameter 7mm - Universal

AAZ034-09A QUICK CONNECTION diameter 9mm - Universal

GLASS KIT FOR COMMON RAIL SIMULATORS



Ours glasses permits to visualize the spray of common rail injectors and can be mounted on every kind of test benches and simulators. They must be fixed directly on the injectors.

Orders codes:

AAZ038-BASE
AAZ038-BASE-KIT

Kit BASE to mount nr. 1 glass on nr. 1 injector
Kit BASE complete to mount nr. 4 glasses on nr. 4 injectors

AAZ038-EX

Kit exclusive COMPLETE to mount on test bench nr. 1 injector. The kit is composed of nr. 2 glass in plexiglass with glass-bush with nr. 2 adaptors for pulverizer 7 and 9mm (AAZ038-AD7 – AAZ038-AD9)

AAZ038-BIC7	nr. 1 glass in plexiglas with glass-bush with nr. 1 adaptor x pulverizer of 7mm (AAZ038-AD7)
AAZ038-BIC9	nr. 1 glass in plexiglas with glass-bush with nr. 1 adaptor x pulverizer of 9mm (AAZ038-AD9)
AAZ038-AD7	adaptor x glass for pulverizer of 7mm
AAZ038-AD9	adaptor x glass for pulverizer of 9 mm
AAZ038-17	inner reduction in pvc of 17 for AAZ038-BIC7 – AAZ038-BIC9
AAZ038-19	inner reduction in pvc of 19 for AAZ038-BIC7 – AAZ038-BIC9
AAZ038-21	inner reduction in pvc of 21 for AAZ038-BIC7 – AAZ038-BIC9

GLASS KIT FOR COMMON RAIL SIMULATORS



AAZ038-EX

NR. 1 glass in plexiglas with glass-bush with nr. 1 adaptor for pulverizer of 7mm (AAZ038-BIC7)

NR. 1 glass in plexiglas with glass-bush with nr. 1 adaptor for pulverizer of 9mm (AAZ038-BIC9)

NR. 3 inner reductions of 17, 19 and 21 (AAZ038-17 – AAZ038-19 – AAZ038-21)



AAZ038-BASE-KIT

Kit to mount nr. 4 glasses for CR injectors

Nr. 4 plexiglas glasses with glass-bushes with its adaptors and reductions



AAZ034-SUP

Stand kit to mount on test bench common rail injectors. (without plexiglass glasses).



AAZ034-EX

Stand kit to mount on test bench common rail injectors complete with 4 plexiglas glasses with glass-bushes.



COMMON RAIL INJECTORS

CLEANING OF INJECTOR SEAT INSIDE THE ENGINE



AZ0037-01 – KIT 4 REAMERS TO CLEAN NOZZLEHOLDER SEAT INSIDE THE ENGINE

Reamers for: common rail Delphi
common rail Mercedes (with step)
common rail Bosch (flat reamer)
common rail Bosch (conical reamer)

AZ0037-02 – NEW KIT OF 4 REAMERS TO CLEAN NOZZLEHOLDERS SEAT INSIDE THE ENGINE

Reamers for: common rail Bosch Piezo
common rail Daily
unit-injector UI Volkswagen and Audi
common rail Tector and Man



COMMON RAIL INJECTORS

SPARE PARTS



BK0025-CR – KIT 50 BALLS SIMILAR: F00VC05001 DIAM 1.34MM
BK0025-CRBH – KIT 50 BALLS ORIGINAL BOSCH F00VC05001

BK0045-CR – KIT 50 BALLS SIMILAR: F00VC05008 DIAM 1.34MM
BK0045-CRBH – KIT 50 BALLS ORIGINAL BOSCH F00VC05008

BK0046-CR – KIT 50 BALLS SIMILAR: F00VC05009 DIAM 1.50MM
BK0046-CRBH – KIT 50 BALLS ORIGINAL BOSCH F00VC05009
- BALLS IN CERAMIC -

BK0047-CR – KIT 50 BALLS SIMILAR: F00VC05009 DIAM 1.50MM
- BALLS IN IRON -

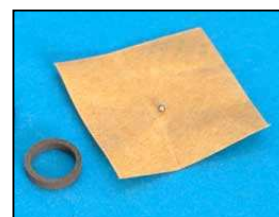
BK0024-CR – KIT OF SPARE PARTS FOR C.R. NOZZLEHOLDERS



BK0034-CR – KIT FIBER RING (BK0026-CR) + OIL SEAL (BK0027-CR)
SIMILAR BOSCH F00VC99002

BK0034-CRBH – KIT FIBER RING + OIL SEAL
ORIGINAL BOSCH F00VC99002

BK0028-CR – KIT 20 FIBER RING (BK0026-CR) + 50 BALLS
(BK0025-CR)



BK0026-CR – FIBER RING

BK0029-CR – SOLENOID SPRING HOLDER FOR C.R. INJECTORS
BOSCH



COMMON RAIL INJECTORS

COOPER WASHERS KIT



Spare part kit **AZ0023-CR** with cooper washers that are placed internal to the engine, at the base of the common rail nozzleholders or injector-pumps.
The tool kit is composed of 19 different type of washers (50 pieces for each kind of washer) and back leak connection with 1 and 2 out.



Washers, as in the photo, of the following measures:

- 1) **AZ0023-CR1** Measure : 7.3 x 13.6 x 2mm KIA
- 2) **AZ0023-CR2** Measure : 7.3 x 13.6 x 3mm KIA
- 3) **AZ0023-CR3** Measure : 7.5 x 16.5 x 2mm SPRINTER
- 4) **AZ0023-CR4** Measure : 7.5 x 15.5 x 1mm ROVER - MAN
- 5) **AZ0023-CR5** Measure : 7.5 x 15 x 1.5mm ULYSSE
- 6) **AZ0023-CR6** Measure : 7.5 x 13.5x 1.5mm FOCUS
- 7) **AZ0023-CR7** Measure : 7.5 x 13 x 1.5mm DEUTZ
- 8) **AZ0023-CR8** Measure : 7.5 x 15 x 3mm SCENIC
- 9) **AZ0023-CR9** Measure : 7.5 x 15.5 x 1.5mm LAND ROVER
- 10) **AZ0023-CR10** Measure : 7.5 x 15.5 x 2.5mm FIESTA



- 11) **AZ0023-CR11** MAZDA

COMMON RAIL INJECTORS



12) **AZ0023-CR12** Measure : 8 x 15.45 x 2mm CON GRADITO / WITH STEP



13) **AZ0023-CR13** Measure : 7.5 x 15 x 2mm CON TACCHE INTERNE - IVECO – FORD – BMW - MAN

14) **AZ0023-CR14** Measure : 7.5 x 15 x 1.5mm CON TACCHE INTERNE - IVECO – FORD – BMW - MAN

15) **AZ0023-CR15** Measure : 7.5 x 13 x 2.5mm CON TACCHE INTERNE MEGANE



16) **AZ0023-CR16** Measure : 7 x 15 x 1.5mm CON GRADITO MERCEDES



17) **AZ0023-CR17** Measure : 8 x 15 x 1.5mm CON TACCHE INTERNE BOMBATE FIAT – SIEMENS



18) **AZ0023-CR18** Measure : 6 x 10 x 1mm ACCIAIO



19) **AZ0023-CR19** Brass nozzleholder base VOLKSWAGEN



20) **AZ0023-CR20** Rings for nozzleholder base VOLKSWAGEN



21) **AZ0023-CR22**
Grips



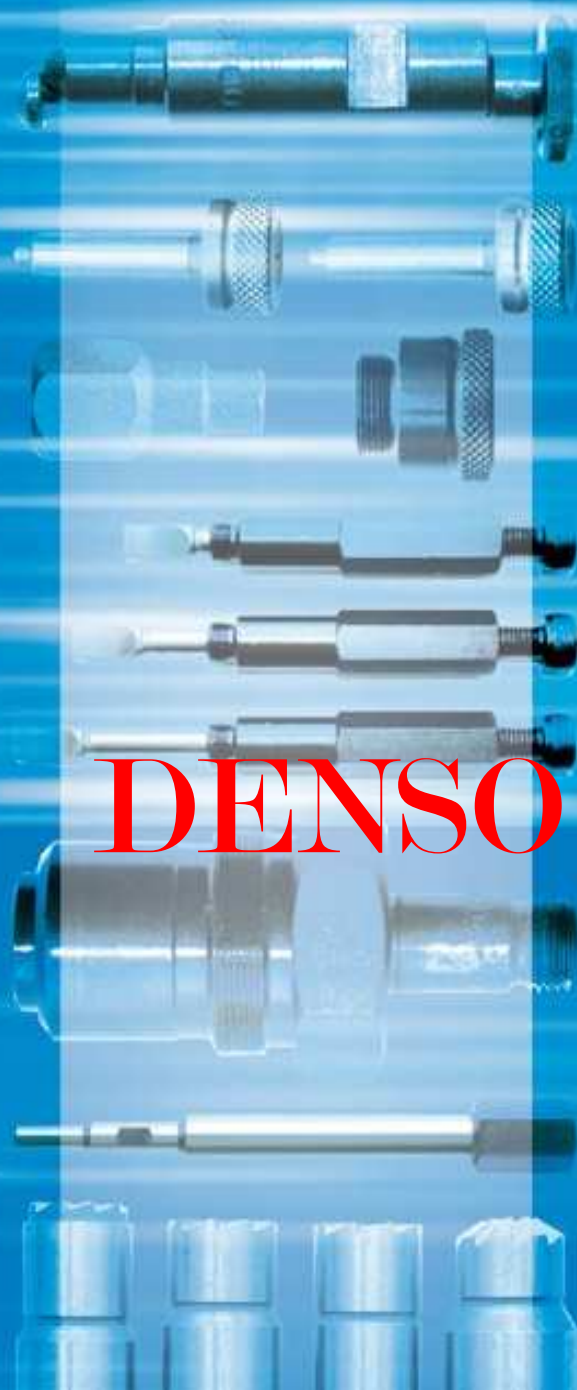
22) **AAZ034-26**
1 way connection



23) **AAZ034-26T**
2 ways connection



Diesel manufacturer



RICAMBI DENSO ISUZO DENSO ISUZO SPARE PARTS

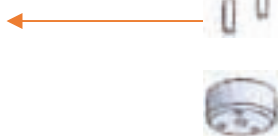
BK0052-00
O-ring
Kit of 10 pcs



BK0052-01
O-ring
Kit of 10 pcs



BK0052-07
Spina – Pin
Diam: 2.5mm
Lenght: 8.7mm



BK0052-08
Spina – Pin
Diam: 1.8mm
Lenght: 6mm

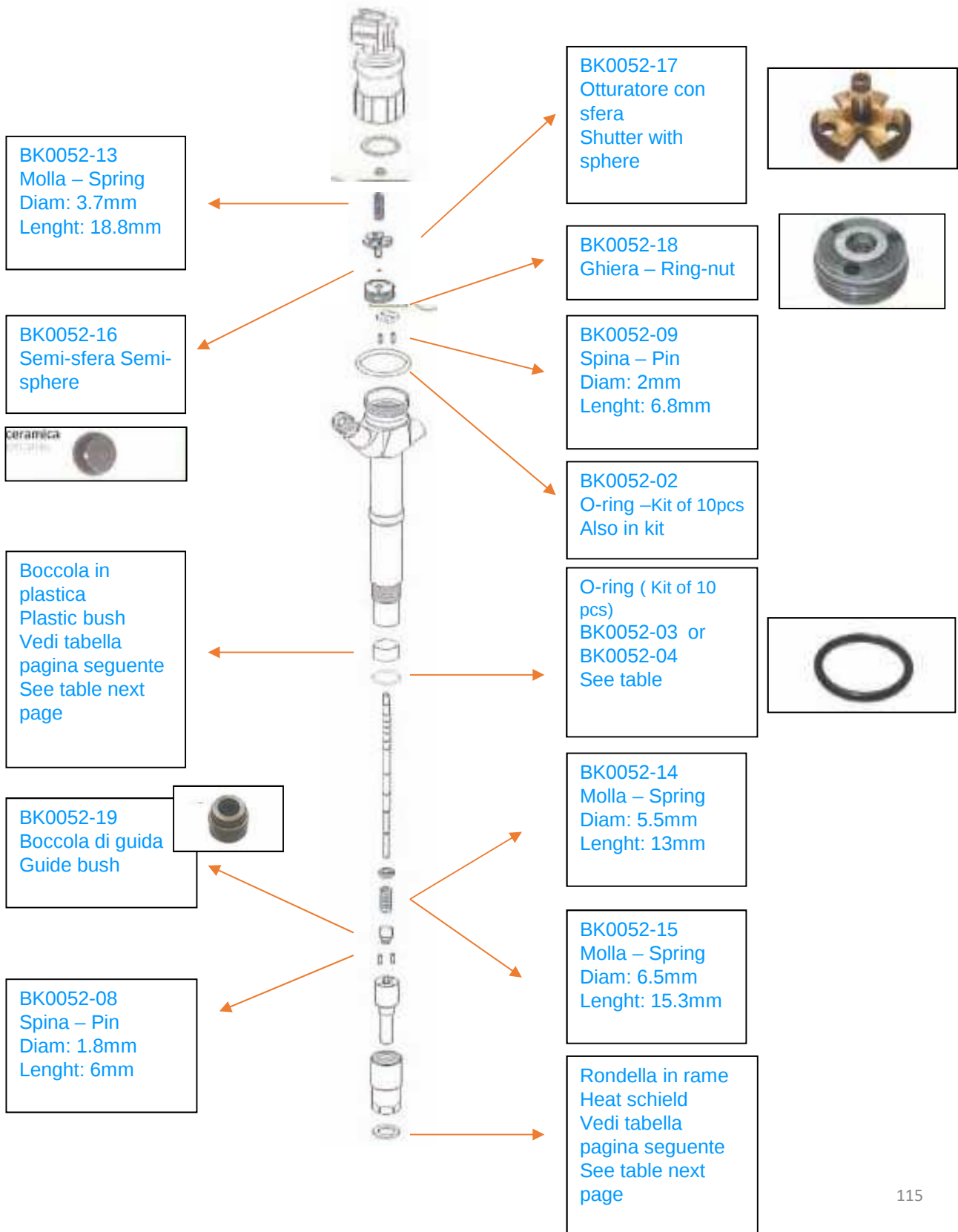


BK0052-07
Spina – Pin
Diam: 2.5mm
Leght: 8.7mm

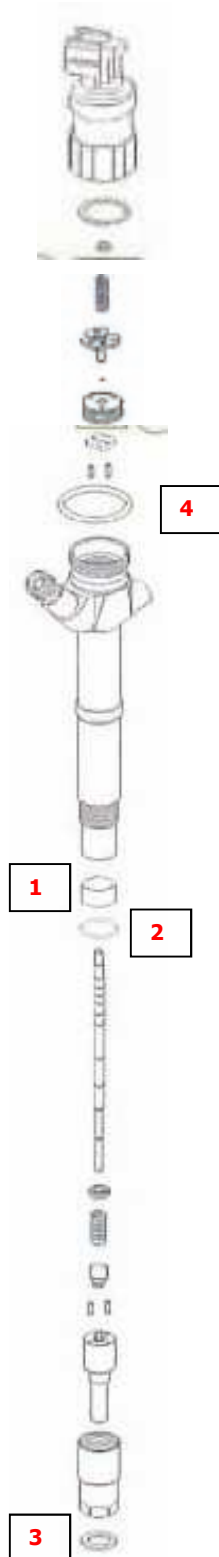


Cod. Denso: 095000-0560

RICAMBI DENSO DENSO SPARE PARTS



RICAMBI DENSO DENSO SPARE PARTS



1) Boccola in plastica – Plastic Bush

BK0052-20	23256-27010
BK0052-21	23256-27020
BK0052-22	23256-30010



3) Rondella in rame – Heat Shield

BK0052-23	11176-30011	
BK0052-24	11176-30010	diam: 16mm thickness 2.0mm
BK0052-25	11176-26030	
BK0052-26	11176-26020	



2) O-ring

BK0052-03	diam: 17x2mm	96721-19017
BK0052-04	diam: 15x2.3mm	

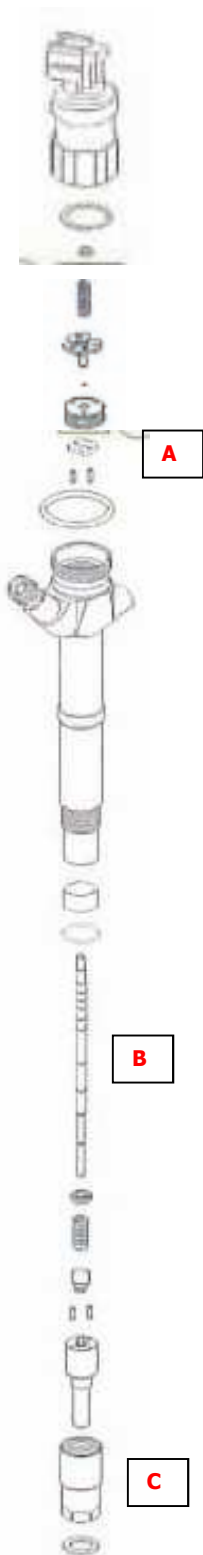


2 + 4

Kit O-RING
BK0052-05
Composed of:
BK0052-02 (position 4)
BK0052-04 (position 2)
diam: 15x2.3mm

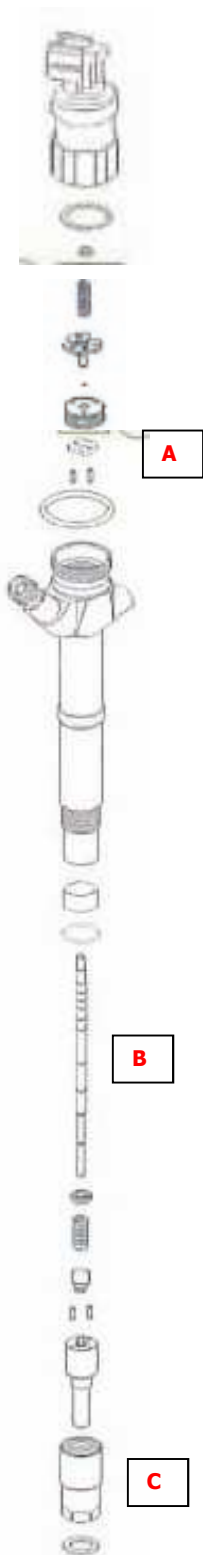
Kit O-RING
BK0052-06
Composed of:
BK0052-02 (position 4)
BK0052-03 (position 2)
diam: 17x2mm
Code: 96721-19017

RICAMBI DENSO DENSO SPARE PARTS



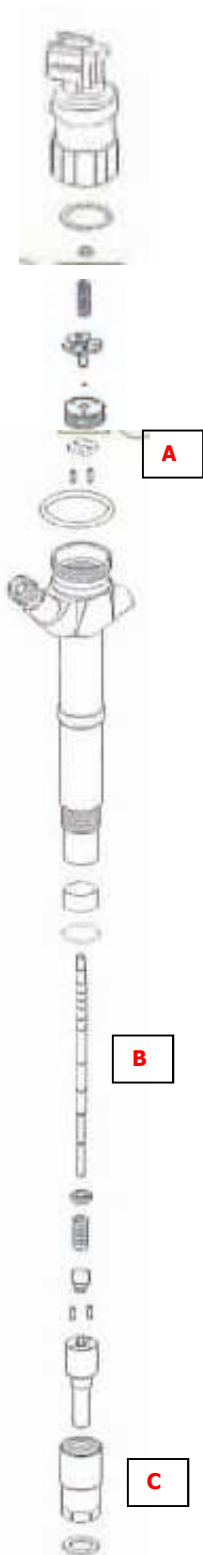
DENSO CODE	VALVOLA VALVE	
095000-580#	BK0053-01	6C1Q-9K546-AC
095000-764# 095000-728# 095000-691# 095000-604# 095000-623#	BK0053-02	23670-0R170 23670-09290 23670-0R120 23670-09210 23670-0R070 23670-0R020 23670-09140
095000-576#	BK0053-03	1645A054
095000-503# 095000-785# 095000-789# 095000-679# 095000-522# 095000-635# 095000-659#	BK0053-04	RF5C13H50A 16613AA020 D28-001-801+C 23670-E0341 23670-E0050 23670-E0010
095000-778# 095000-741# 095000-676# 095000-703# 095000-776# 095000-739# 095000-552# 095000-593# 095000-829# 095000-592#	BK0053-05	23670-30280 23670-39315 23670-30220 23670-39215 23670-30140 23670-39185 23670-30300 23670-39275 23670-30240 23670-39235 23670-0L010 23670-09060
095000-547# 095000-551# 095000-890# 095000-665#	BK0053-06	8-973297003-1 8-97603415-# 8-98151837-0 8-98030550-0
295050-001#	BK0053-07	R2AA13H50
095000-602# 095000-652# 095000-583# 095000-513# 095000-518#	BK0053-08	16600-ES60A 23670-79026 23670-E0091 8-97353080-0 16600-AW40# 1660-BN80#

RICAMBI DENSO DENSO SPARE PARTS



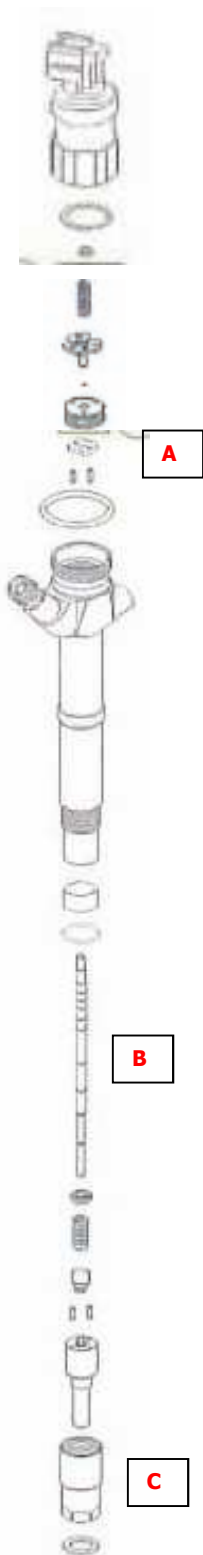
DENSO CODE	VALVOLA VALVE	
095000-767# 095000-731# 095000-641# 095000-696#	BK0053-09	23670-0R190 23670-09280 23670-0R140 23670-09240 23670-0R030 23670-09180
095000-625# 095000-565#	BK0053-10	16600-EC00# 16600-EB30#
095000-636#	BK0053-11	8-97609788-#
095000-521#	BK0053-12	23910-1252
095000-801# 095000-810#	BK0053-13	
095000-622#	BK0053-14	CA6DL-32
095000-578#	BK0053-15	RF7J13H50
095000-613#	BK0053-16	8-97376270-1
095000-759# 095000-733# 095000-668# 095000-697#	BK0053-17	23670-0R180 23670-09270 23670-0R130 23670-09230 23670-0R050 23670-09190
095000-560#	BK0053-18	1465A041
095000-761# 095000-725# 095000-690# 095000-561# 095000-611#	BK0053-19	23670-0R160 23670-09260 23670-0R110 23670-09200 23670-0R060 23670-0R010 23670-09130
095000-508#	BK0053-20	8-97313861-2

RICAMBI DENSO DENSO SPARE PARTS



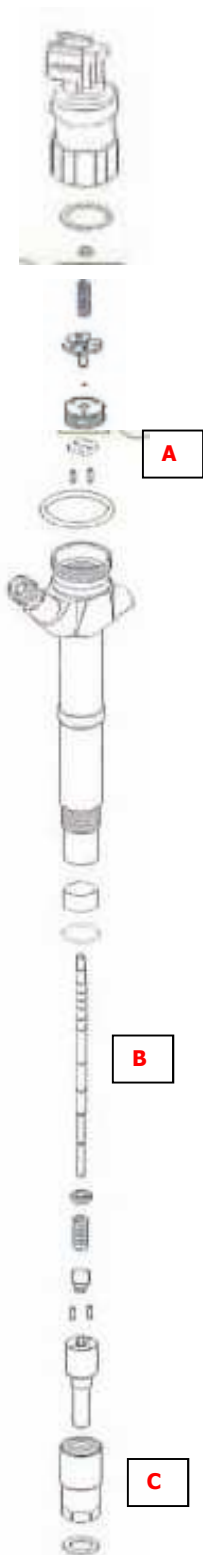
DENSO CODE B	ASTA POMPANTE PIN PLUNGER	ASTA DIAM: 4.3MM
095000-580#	BK0047-01	6C1Q-9K546AC
095000-764# 095000-728# 095000-691# 095000-604# 095000-623# 095000-770# 095000-771# 095000-673# 095000-753# 095000-769# 095000-733# 095000-668# 095000-697# 095000-761# 095000-725# 095000-690# 095000-561# 095000-767# 095000-731# 095000-641# 095000-696#	BK0047-02	23670-0R170 23670-09290 23670-0R120 23670-09210 23670-0R070 23670-0R020 23670-09140 23670-51030 23670-59035 23670-51020A 23670-59025 23670-0R180 23670-09190 23670-0R160 23670-09260 23670-0R110 23670-09200 23670-0R060 23670-0R010 23670-09130 23670-0R190 23670-09280 23670-0R140 23670-09240 23670-0R030 23670-09180
095000-576#	BK0047-03	165A054
095000-503# 095000-785#	BK0047-04	RF5C13H50A
095000-778# 095000-741# 095000-676# 095000-703# 095000-776# 095000-739# 095000-552# 095000-593# 095000-829 095000-592	BK0047-05	23670-30280 23670-39315 23670-30220 23670-39215 23670-30140 23670-39185 23670-30300 23670-39275 23670-30240 23670-39235 23670-0L010 23670-09060
095000-547# 095000-890# 095000-636#	BK0047-06	8-97329703-1 8-98151837-0 8-97609788-#

RICAMBI DENSO DENSO SPARE PARTS



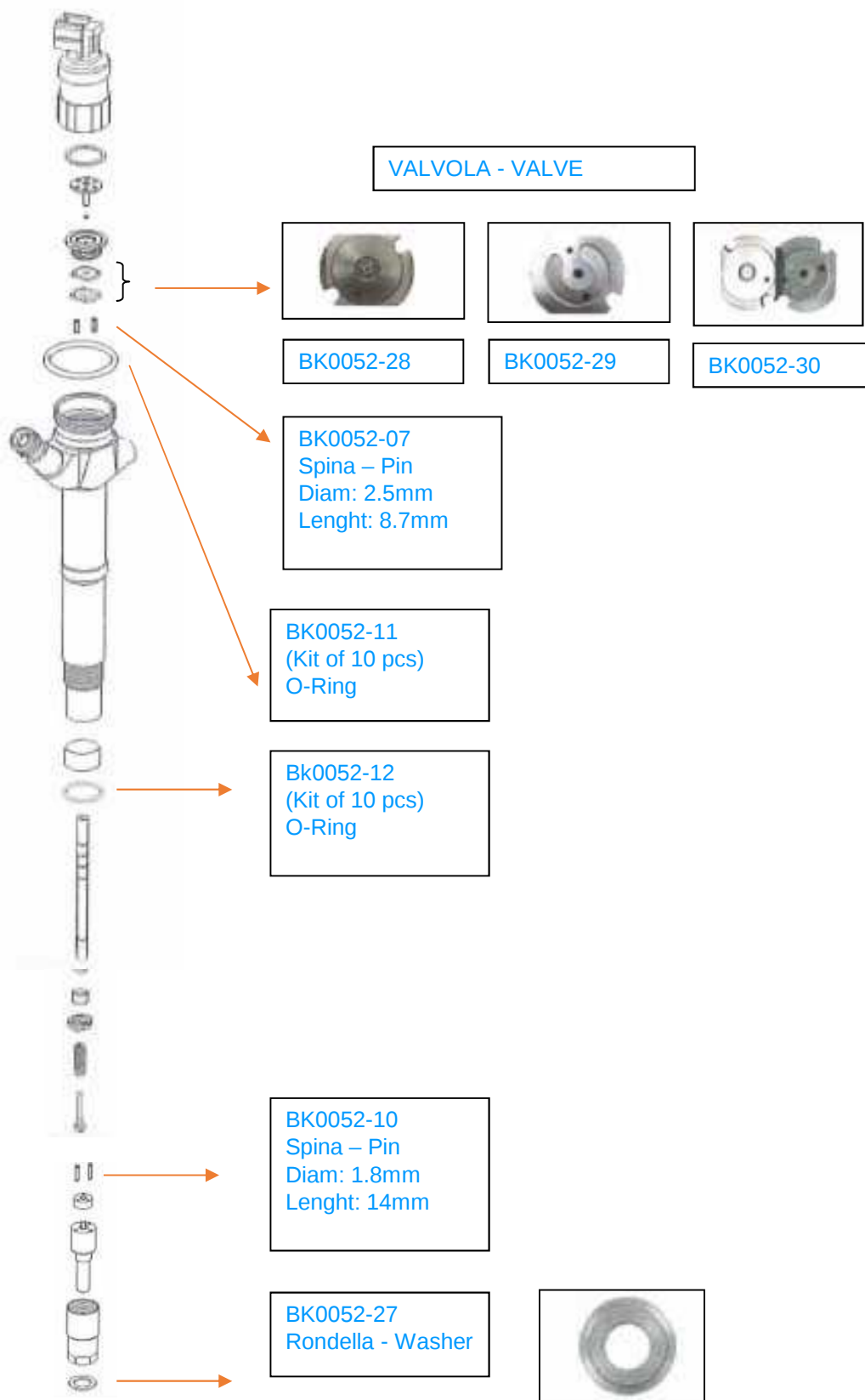
DENSO CODE	B ASTA POMPANTE PIN PLINGER	ASTA DIAM: 4.3MM
095000-613#	BK0047-07	8-97376270-1
095000-602#	BK0047-08	16600-ES60A
095000-789#	BK0047-09	16613AA020
095000-508#	BK0047-10	8-97313861-2
095000-560#	BK0047-11	1465A041
095000-578#	BK0047-12	RF7J13H50
095000-551# 095000-665#	BK0047-13	8-97603415-# 8-98030550-0
095000-801#	BK0047-14	
095000-652#	BK0047-15	23670-79026 23670-E0091
095000-583#	BK0047-16	8-97353080-0
295050-001#	BK0047-17	R2AA13H050 – DIAM: 3.8MM
095000-622#	BK0047-18	CA6DL-32
095000-810#	BK0047-19	
095000-521#	BK0047-20	23910-1252
095000-625# 095000-565#	BK0047-21	16600-EC00# 16600-EB30#
095000-679#	BK0047-22	D28-001-801+C
095000-522#	BK0047-23	23670-E0341
095000-635# 095000-659#	BK0047-24	23670-E0050 23670-E0010
095000-513# 095000-518#	BK0047-25	16600-AW40# 16600-BN80#

RICAMBI DENSO DENSO SPARE PARTS



DADO NUT	C		
BK0054-01		095000-5600 095000-5760 095000-5130 095000-6020 095000-580# 095000-602#	
BK0054-02		095000-5610 095000-6760 095000-6680 095000-7761 095000-7781	
BK0054-03		095000-0570	
BK0054-04		095000-0530	
BK0054-05		095000-7890 095000-5031 095000-5780	
BK0054-06		095000-5080 095000-6130	
BK0054-07		Per iniettori Piezo For Piezo injectors	

RICAMBI DENSO DENSO SPARE PARTS



RICAMBI DENSO DENSO SPARE PARTS

RICAMBI VARI



BK0052-31
RACCORDO RECUPERO / JOINT



BK0052-32
RACCORDO RECUPERO / JOINT



BK0052-33
MOLETTA DI FERMO / CLIP



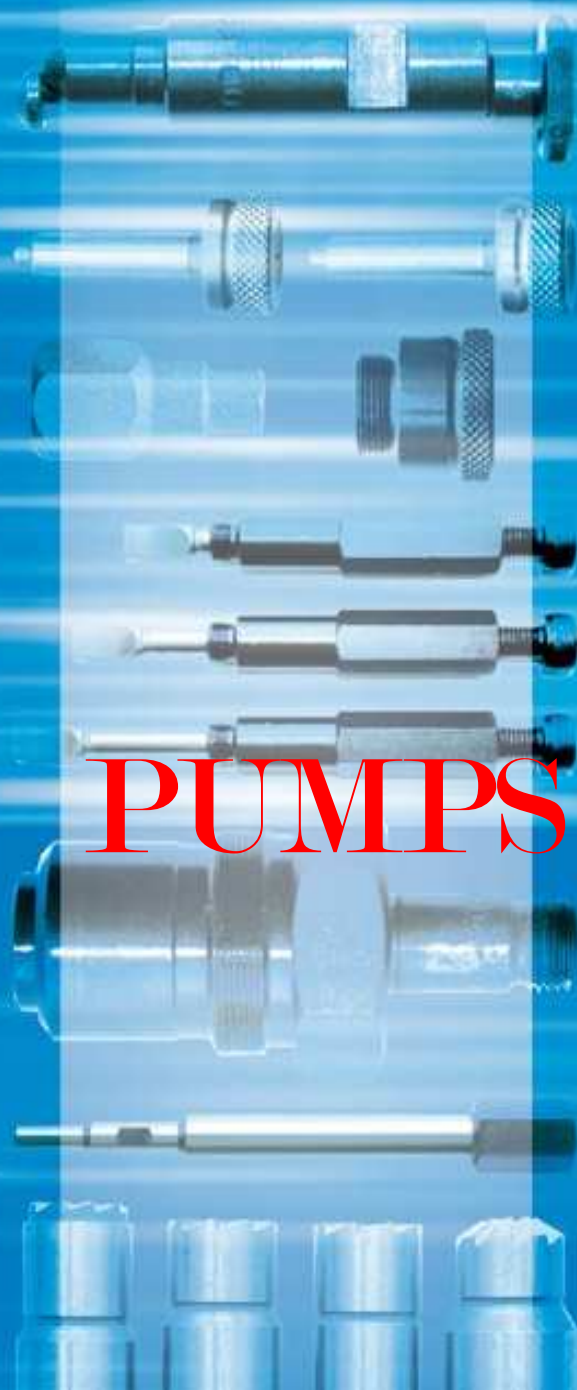
BK0052-34
Kit composed of:
BK0052-33 MOLETTA DI FERMO / CLIP
BK0052-27 RONDELLA / WASHER
BK0052-32 RACCORDO RECUPERO / JOINT
BK0052-01 O'RING
BK0052-12 O'RING



BK0052-35
Kit composed of:
BK0052-33 MOLETTA DI FERMO / CLIP
BK0052-27 RONDELLA / WASHER
BK0052-31 RACCORDO RECUPERO / JOINT
BK0052-01 O'RING
BK0052-12 O'RING



Diesel manufacturer



PUMPS

COMMON RAIL PUMPS

CONTROL OF ACTUATORS

AZ0045-00 – FALSE ACTUATORS KIT FOR CR PUMPS
Similar Delphi YDT410



TOOLS FOR GLOW PLUGS



AZ0134-278 –DIAGNOSTIC TOOL KIT FOR CR PUMPS

The tester checks the pressure of the common rail pumps directly from the engine.
You can check the pressure of all common rail pumps CP1, CP3, Delphi and Siemens.

AZ0038-00 – WRENCH TOOL KIT TO DISMOUNT AND MOUNT ALL TYPES OF GLOW PLUGS INCLUDING JAPANESE BRANDS

The kit includes nr. 2 connections for dynamometric wrench 1/2" and 3/8"



AZ0046-00 – FALSE GLOW PLUGS TOOL KIT TO TEST THE COMPRESSION OF AL BRANDS ENGINES

AZ0139-02 – MOTOMETER

Tool to check the compression of diesel engines



COMMON RAIL PUMPS



AZ0056-00 – TOOL KIT TO DISMOUNT GLOW PLUGS
8X1 and 10x1

AZ0057-00 – TOOL KIT TO DISMOUNT GLOW PLUGS
9X1



AZ0058-00 – TOOL KIT TO DISMOUNT GLOW PLUGS ON FIAT
MULTIJET 1.3

**AZ0050-00 – KIT OF 36 TUBE-BUSHES TO CLEAN ENGINE-
HEAD, NOZZLEHOLDER SEAT AND PLUG SEAT.**

Nr. 12 in cooper	diam. from 8 to 19 mm
Nr. 12 in steel	diam. from 8 to 19mm
Nr. 12 in nylon	diam. from 8 to 19mm



TIMING TOOL KITS

TIMING TOOLS KITS FOR COMMON RAIL ENGINES

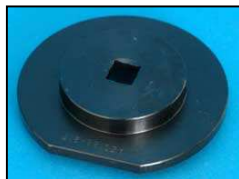


AZ0128-218 - TOOL TO MOUNT AND DISMOUNT VP FORD DURATORQ PUMP

Engines 2.0 – 2.2 – 2.4 and Common Rail

AZ0128-219 - FIXING PIN FOR FLY-WHEEL ON FORD TRANSIT

With VP pump and Common Rail



AZ0128-217 - WRENCH TO DISMOUNT RING-NUT ON FORD MONDEO

Common Rail

AZ0128-38 - TIMING TOOL KIT FOR FORD TD 1.4 -2.0—2.4



AZ0128-39 - TIMING TOOL TO MOUNT AND DISMOUNT FORD 1.8 WITH SIEMENS PUMP

AZ0128-28 - TIMING TOOL KIT FOR FIAT ENGINES MULTIJET 1300 WITH TOOL FOR TRANSMISSION BELT



AZ0128-35 - TIMING TOOL KIT FOR FIAT ENGINES 1900 MULTIJET WITH TOOL FOR TRANSMISSION BELT

TIMING TOOL KITS



AZ0128-36 - TIMING TOOL KIT FOR FIAT ENGINES 1900 JTD 16V

On Alfa 159 and Fiat Croma

AZ0128-41 - TIMING TOOL KIT FOR FIAT ENGINES 1600 MULTIJET WITH TOOL FOR TRANSMISSION BELT



AZ0128-30 - TIMING TOOL KIT FIAT-IVECO DAYLI/DUCATO

Engines 2.3 – 2. 8 Common Rail



AZ0128-23 - KIT OF TIMING PINS COMMON RAIL ENGINES RENAULT

AZ0128-29 - TIMING TOOL KIT FOR RENAULT ENGINES 2.2 – 2.5 DCI



AZ0128-42 – TIMING TOOL KIT FOR RENAULT ENGINE 2000 DCI

TIMING TOOL KITS



AZ0128-32 - TIMING TOOL KIT FOR ENGINES PEUTGEOT CITROEN

AZ0128-33 – TIMING TOOL KIT ENGINES PEUTGEOT CITROEN

Citroen: AX, Berlingo, BX, C5, C25, Dispart, Evasion, Jumpy, Jumper; Relay, Saxo, Xara, Xantia, XM, ZX.

Peugeot: 106, 205, 306, 405, 406, 806, J5, Boxer, Expert, Partner; Solara.



AZ0128-37 - TIMING TOOL KIT ENGINES PEUGEOT CITROEN 1.4 – 1.6 HD

AZ0128-45 – TIMING TOOL KIT ENGINES BMW SERIE N51-52-53-54



AZ0128-46 – TIMING TOOL KIT BMW ENGINE SERIE N40-45



AZ0128-519 - TIMING TOOL KIT FOR BMW ENGINE WITH CP4 PUMP WITH CAMSHAFTS BACK-ROTARY



TIMING TOOL KITS



AZ0128-40 – TIMING TOOL KIT FOR OPEL AGILA MERIVA CORSA

Engines 1.0 – 1.2 16V – 1.4 16V

AZ0128-50 – TIMING PINS FOR FLY-WHEEL / PMS IVECO CURSOR 8/10/13.

Similar Iveco codes: 99360612 - 99360613



AZ0128-31 – TIMING TOOL KIT FOR VW SEAT ENGINES 1-2-3 CIL

COMMON RAIL PUMPS

PUMPS PULLERS



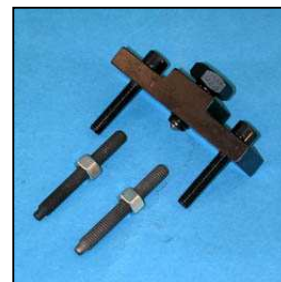
AE0233-01 – PULLER FOR BMW 320 -150CV VP 130 CV
For common rail and VP



AE0233-02 – PULLER FOR BMW 520 TDS – 320D VP M47
Only for common rail CP3

AE0233-CP4 – PULLER FOR CP4 PUMP ON BMW SERIE 1

AE0247-05 – PULLEY EXTRACTOR FOR C.R DELPHI



AE0260-00 –RENAULT AND OPEL MOVANO PUMP PULLER

AE0290-CP4 – PULLER FOR CP4 PUMP ON AUDI



AE0269-CR – PULLER FOR PUMP CP3 ON RENAULT

COMMON RAIL PUMPS



AE0276-CR – PULLER FOR CP4 PUMP ON HYUNDAI SANTA FE
With ring nut 40x1.5mm

AE0272-CR – PULLER FOR PUMP ON HYUNDAI GETZ
With ring-nut 35x1.25mm



AE0300-CP4 – PULLER FOR CP4 PUMP

AE0282-CR – PULLER FOR COMMON RAIL PUMPS SIEMENS ON
ENGINES FORD



COMMON RAIL PUMPS

PUMP DISASSEMBLY



AZ0134-CR – SWIVEL VICE FOR PUMP CP1

It is composed of:

AZ0134-0A = Swivel vice base

AAE001-00 = Bracket for CR CP1 pump

AAE001-01 - BRACKET FOR PUMP CP3

To be used with AZ0134-CR

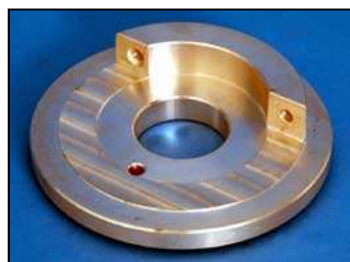


AAE001-FORD – BRACKET FOR PUMP FORD (DELPHI)

To be used with AZ0134-CR

AAE001-MERC – BRACKET FOR PUMP CR MERCEDES CP1

To be used with AZ0134-CR



AAE000-04A – BRACKET FOR DELPHI PUMPS (2 HOLES)

To be used with AZ0134-00 or with vice AA2919-01 with AA2963-00

COMMON RAIL PUMPS



AZ0018-01 - TOOL KIT FOR CP1 PUMP

AZ0018-02 - TOOL KIT FOR CP3 PUMP



AZ0070-CP1H - TOOL KIT FOR ANTI-POWDER FILTERS ON CP1 CP1H

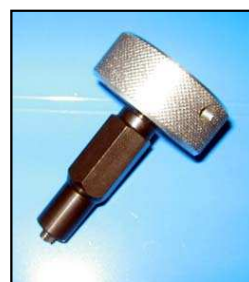
Kit with tools to dismount and mount of anti-powder filters and caps on pumps CP1 e CP1H

The tool kit is composed of:

AAZ034-165 – AAZ034-153 – AAZ034-911 – AAZ034-169 – AAZ034-159 – AAZ034-161 – AE0268-CR.

All the codes are sold also individually

AAZ034-165 - PULLER FOR ANTI-POWDER FILTER ON CP1H
Similar: 0.986.613.165



AAZ034-153 – PULLER FOR ANTI-POWDER FILTER ON CP1H
Similar: 0.986.613.153

AAZ034-911 – INSERTER FOR VALVE CAGE ON CP1H
Similar: 0.986.612.911



COMMON RAIL PUMPS

AAZ034-169 - TOOL TO RE-MOUNT CAP 2.4 ON CP1H

Similar: 0.986.613.169



AAZ034-159 - TOOL TO RE-MOUNT CAP 1.5 ON CP1H

Similar: 0.986.613.159

AAZ034-161 - TOOL TO RE-MOUNT ANTI-POWDER FILTER ON CP1H

Similar: 0.986.613.161



AE0268-CR - KIT OF PULLERS TO EXTRACT DIESEL IN-LET BRASS PIPE ON CP1 AND CP1H

Diam. Brass pipe: 8 and 10 mm

AE0268-CR12 - CLAMP FOR BRASS PIPE OF DIESEL INLET

Diam. Brass pipe: 12mm



COMMON RAIL PUMPS



AAZ034-00 - INSERTER FOR CP1 CONNECTION
Pressing-in tool for low-pressure connection on CP1
Similar 0.986.612.200

AAZ034-01 - INSERTER FOR CP1 IVECO CONNECTION
Pressing-in tool for low-pressure connection on CP1 IVECO
Similar 0.986.612.201



AAZ034-02 - INSERTER FOR CP1 RENAULT CONNECTION
Pressing-in tool for low-pressure connection on CP1 RENAULT
Similar 0.986.612.205

AAZ034-03 - INSERTER FOR BRACKET AND OIL-SEAL FOR CP1 AND CP3
Insertor kit for oil-seal and bracket on common rail pumps CP1 and CP3
Similar 0.986.612.422



AAZ034-04 - SCREWS FOR HEAD COVERS CP1
Couple of screws to center the head cover on CP1 pump
Similar 0.986.602.501

AAZ034-05 - DEVICE TO MOUNT O-RING
To mount the o-ring on the pressure control valve with filter on
Common Rail pumps
Similar 0.986.612.787



COMMON RAIL PUMPS

**AC0520-00 – WRENCH TO DISMOUNT CONNECTION DENSO
PUMP HP0 12 SIDES MM 50**



AC0530-CP4 – WRENCH TO DISMOUNT VALVE ON PUMP CP4

**AC0531-CP4 – WRENCH FOR COUPLING OF PUMP CP4
MOUNTED ON AUDI**



**AC0540-HP4 – WRENCH RIBE 09 TO DISMOUNT ELEMENT ON
PUMPS DENSO HP3 – HP4**

AC0528-CR – WRENCH 28MM X SENSOR PUMP CP1 SIEMENS



**AC0516-CR36 – OPEN WRENCH 36MM WITH CONNECTION FOR TROQUE
WRENCH FOR PRESSURE SENSOR OF SIEMENS PUMPS**

With connection for torque wrench 14x18
To be used with torque wrench AC0516-CR

COMMON RAIL PUMPS



AC0530-CP4 – WRENCH FOR VALVE OF CP4 PUMP

AC0482-00 – WRENCH FOR IN-LET CONNECTION CP3
Similar 0.986.612.991



AC0468-00 – TORX WRENCH FOR COMMON RAIL CP3

AZ0128-26 – KIT TO MOUNT AND DISMOUNT SEEGER ON CR DELPHI PUMPS



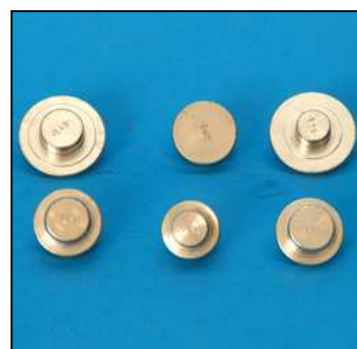
AZ0128-427- TAPPET LIFTER KIT FOR CP3 + DURAMAX
Kit of 3 tappet lifters
Simile 0.986.612.427
For CP3 pumps and 110 DURAMAX pumps

COMMON RAIL PUMPS



AZ0128-25 – KIT OF INSERTERS FOR CP3

AZ0128-24 – ADJUSTING KIT FOR CP3 - 6 PIECES



AE0300-CP4 – PULLER FOR CP4 PUMP

AE0264-00 – PULLER FOR PRESSURE REGULATOR CP3



COMMON RAIL PUMPS

PUMPS ON TEST BENCH

AS0003-00 - BOSCH BRACKET ISO
Similar 1.688.010.124



AAE157-08 – FLANGE DIAM 50 FOR PUMP CP1
VE flange that allows to mount on test bench CP1 pumps
Similar 1.685.720.062

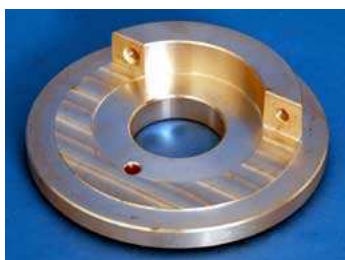
AAE001-02 – FLANGE FOR CP3 PUMP



AAE001-03 – FLANGE WITH RING X CP3 MERCEDES PUMP

AAE000-04 – FLANGE FOR DELPHI-FORD PUMP

VE flange for Renault Megane that allows to mount on test bench common rail Delphi – Ford pump



AAE000-04A – FLANGE FOR DELPHI PUMPS (2 HOLES)
To use on test bench and on vice

COMMON RAIL PUMPS

AAE000-04B – FLANGE FOR C.R. DELPHI LOOP HOLES



AAE001-NIP – FLANGE FOR CR DENSO PUMP HP2/3 ON FORD AND FIAT

AAE001-CP1H3 – FLANGE FOR CP1 H3



AAE001-CP4 – BRACKET FOR CP4

AAE002-CR – BRACKET FOR CR PUMPS MOUNTED ON NISSAN QASHQAI



AAE003-CR – BRACKET FOR CR PUMPS SIEMENS 5SW40157

AAE004-CR – BRACKET FOR CR PUMPS SIEMENS 5SW40565

COMMON RAIL PUMPS

KIT TO MOUNT COMMON RAIL PUMPS MERCEDES

AAE001-MERC – BRACKET CR MERCEDES CP1

To be used also with sviwel vice AZ0134-CR



AAZ026-03 – KIT 2 CONNECTION WITH PLATE FOR CR MERCEDES PUMPS



AG0131-CR8 – MOTORING COUPLING FOR TEST BENCH FOR PUMPS CR CP1 –CUT MM8-



COMMON RAIL PUMPS



AAZ034-08 – ADAPTOR FOR PRESSURE SENSOR CP3

Adaptor for pressure sensor on pump CR –CP3

AAZ034-15 – ADAPTOR FOR PRESSURE SENSOR CP1H/CP3

Adaptor for pressure sensor pump CR CP1H-CP3



AAZ034-07 – ADAPTOR FOR PRESSURE SENSOR DELPHI

Adaptor for pressure sensor pump CR DELPHI

AAZ034-16 – ADAPTOR FOR PRESSURE SENSOR SIEMENS

Adaptor for pressure sensor pumps CR SIEMENS



AAZ034-17 – ADAPTOR FOR PRESSURE SENSOR DENSO

Adaptor for pressure sensor pumps CR DENSO

AAZ034-20 – ADAPTOR FOR PRESSURE SENSOR SIEMENS-BOSCH

Adaptor for pressure sensor pumps CR BOSCH - SIEMENS



COMMON RAIL PUMPS

AAZ034-18 – REDUCTION FOR HIGH PRESSURE SIEMENS
Reduction for high-pressure pipes for Siemens pumps



AAZ034-19 – ADAPTOR FOR PRESSURE GOVERNOR ON SIEMENS PUMP

Adaptor for pressure governor on pumps Bosch Siemens

AAZ034-13 – DUMMY REGULATOR FOR CR CP1 PUMPS
Similar: 0.986.612.413



AAZ034-21 – PRESSURE REDUCTION SIEMENS WITH METERING VALVE

AAZ034-22 – ADAPTOR FOR DUMMY REGULATOR DENSO HP3 – CP3



AAZ034-CP4 – ADAPTOR FOR HIGH PRESSURE CONNECTION ON CP4 PUMPS

COMMON RAIL PUMPS

TOOLS FOR CP4 PUMPS

AE0233-CP4	Puller for CP4 pump mounted on BMW Serie 1
AE0290-CP4	Puller for CP4 pump mounted on AUDI
AE0276-CR	Puller for CP4 pump mounted on HYUNDAI SANTA FE With ring nut 40x1.5mm
AE0300-CP4	Puller for CP4 pump
AC0530-CP4	Wrench to dismount valve of CP4 pump
AC0531-CP4	Wrench for coupling of CP4 pump mounted on AUDI
AG0025-CP4	Coupling cone 25mm with screw for CP4 pump
AG0000-CP4	Screw 18x1.5mm for coupling cone 25mm
AAE001-CP4	Flange for CP4 pump
AAZ034-CP4	Adaptor for high-pressure connection for CP4 pump.
AZ0128-519	Timing tool kit for BMW engines with CP4 pump with camshafts back-rotary

COMMON RAIL PUMPS

BB0001-00 – COMMON RAIL BUSH –CP1-

External diameter: 19mm
Internal diameter: 17mm
Length: 15mm



BB0002-00 –COMMON RAIL BUSH –CP1-

External diameter: 22mm
Internal diameter: 20mm
Length: 20mm

BB0004-00 –COMMON RAIL BUSH –CP3-

External diameter: 19mm
Internal diameter: 17mm
Length 17mm



BB0005-00 –COMMON RAIL BUSH –CP3-

External diameter: 22mm
Internal diameter: 20mm
Length: 22mm



BB0006-00 –COMMON RAIL BUSH –CP3-

External diameter: 28mm
Internal diameter: 25mm
Length: 25mm

BB0007-00 –COMMON RAIL BUSH –CP3-

External diameter: 33mm
Internal diameter: 30mm
Length: 25mm





Diesel manufacturer

A vertical arrangement of various diesel engine components, including injectors, valves, and nozzles, is shown against a blue background with horizontal light streaks. The components are metallic and have different shapes and sizes, some with threaded ends and others with flanges.

PIPES & CONNECTIONS

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

To connect common rail injectors to the test bench

Tube 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).



Diesel manufacturer

A collection of various diesel engine components, including injectors, nozzles, and valves, are arranged vertically in the center of the page. The components are metallic and have different shapes and sizes, some with threaded ends and others with flanges. They are set against a blue background with horizontal lines.

UNIT- INJECTORS

UNIT-INJECTOR UI-UP

Wrenches and tools for Volkswagen



AE0247-494 Puller for unit injector VW 2° generation n

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

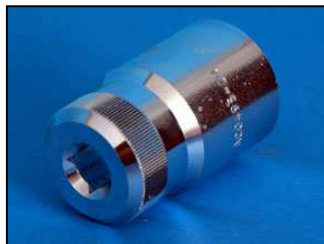
AC0514-00

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

Thooted 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

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



BR0004-20

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



BR0004-21

EUI Volkswagen
Similar: 1.683.355.057



BR0004-22

EUI Volkswagen
Similar: 1.683.355.056

UNIT-INJECTOR UI-UP



BR0004-23

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

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



BR0004-25

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



BR0004-26

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 from 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



**NEW
UNIVERSAL**

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).

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