



### TT101

### Cooling System Tester Set

New cooling system tester set, with the latest most popular aluminum adaptor. Multi adaptor applies for most truck models in the market. Total 7pcs adaptor flexible intermediate piece and cooling system tester.

Suitable:

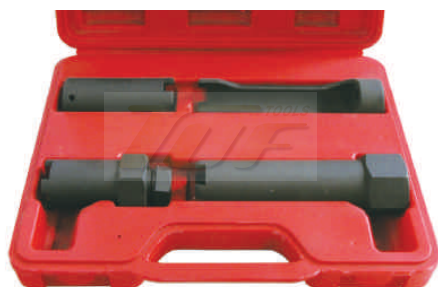
- \* DAF-XF 95, XF105
- \* SCANIA-113, -114, -124, -125
- \* VOLVO-FH12
- \* IVECO-LKW-Daily 2000 C-series, RENAULT-MAGNUM
- \* MAN-L 2000, -TGA
- \* MB-ACTROS, -ATEGO, AXOR, -ECO 8401, -LKW 1728, MAN-F90, -F 2000, IVECO-EURO-STAR, -EURO-TECH, EURO-TRUCK, STRALIS
- \* MB-SPRINTER ALT (incl. MODELLJAHR 2006), -VITO



### TT102

### Diesel Injector Test and Calibrating Hand Pump

- \* Material aluminum alloy (A356).
- \* 3.5" dial gauge reading 0-600 bar and 0-8700 lbs/sq.incg.
- \* The liquid tank is provided with a filter.
- \* Set included 2 pipes: M14xM14, M14xM12
- \* Warning: keep away from any heat place, we recommend using special fluids to operate this device properly, such as Shell Oil S. 9365 or 1p Fanum Fluid Cd



### TT103

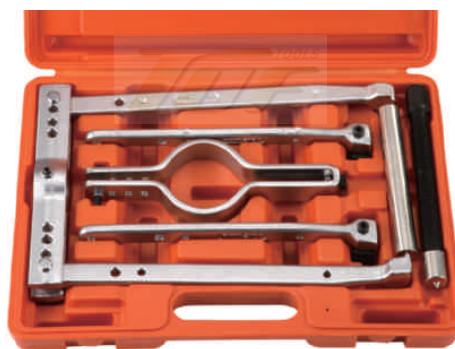
### Toothed Socket for Truck Diesel Pressure and Injector (4pcs)

For mounting, dismounting and tightening the pressure nut at the nozzle holder on commercial Mercedes-Benz M 401/421, M 402/422, LA, A, M 403/423, M 470h.

- \* 1/2"Dr. x 72mm(L) x 4 teeth – Mercedes trucks engines OM401/421, OM403/423, LA,A,OM470
- \* H32 x 70mm(L) x 4 teeth with M14 x 1.5mm receiver thread -- Mercedes trucks, NEOPLAN, SETRA
- \* H32 x 120mm(L) x 4 teeth □ MAN, Mercedes
- \* 1/2"Dr. x 120mm(L) x 3 teeth -- Mercedes trucks, also for IVECO, SCANIA, RENAULT

### TT104 Transmission Bearing Puller Kit

- \* Designed for input shaft bearing and transmission counter-shaft bearings on truck transmission unit.
- \* Shaped pulling jaws can grip firmly on bearing lock ring groove to supply a positive pulling force.
- \* Jaw opening: 75-170mm
- \* Traveling: 380mm



### TT105 Brake Spoons

- \* Designed to adjust brakes on most cars and light trucks.
- \* Universal angle design for most cars.



### TT106 Hydraulic HGV Ball Joint Separator with Manual Screw (2-Way)

- \* For separating HGV ball-joint. Strengthened fork and lever allows for greater force to be applied.
- \* Specially designed to be operated manually or by 12 ton hydraulic ram.
- \* Fork opening capacity: 70mm
- \* Fork width: 36mm
- \* Material: SCM 440



### TT107 Universal Bearing Cup Installer

- \* Heat-treated drop forged steel body for long life usage.
- \* Material: S45C
- \* Total length: 520mm
- \* Opening: 85-180mm



### TT108 Universal Axle Nut Removal / Installation Kit

- \* Tool loose and tight the rear wheel nut.
- \* Both sides of pin are adjustable.
- \* To scale the hole in the center and add the wrench.
- \* Different sizes of pins are suitable for different kinds of cars.
- \* Using loosening tightening of the rear housing nuts.
- \* Used in small vehicle (over 2 tons for circular nuts).
- \* Function with the same wrench.
- \* Pin:  $\phi 5.5$ ,  $\phi 6.8$ ,  $\phi 9.1$ mm; M8 x P1.25 nut
- \* Main body: 1/2"Dr. x 120mm(L), 28mm(W)





**TT201**

**Oil Filter Wrench for MAN**

- \* 1/2"Dr. 135mm, 18 points.
- \* MAN 18-48 tons truck.
- \* Series F2000, FE and TGA engine (406, 410, 414, 440, 460)



**TT202**

**Truck Injection Nozzle Socket**

- \* The tool removes and installs diesel injected nozzle.
- \* The bottom four comers.
- \* Europe truck repair tool.
- \*  $\square$  24mm, 4 teeth, inner  $\phi$  22.2mm, outer  $\phi$  32mm, 84.5mm(H).
- \* Suitable for MAN 422/403, Benz truck, SCANIA.



**TT203**

**MAN & Benz Truck Diesel Injection Valve Socket**

- \* Remove and install diesel injection valve.
- \* European truck repair tool.
- \* 4 teeth, inner  $\phi$ 22mm, outer  $\phi$ 28mm, 72mm(H).
- \* Suitable for MAN 422/403, Benz truck, SCANIA.



**TT204**

**MAN & Benz Differential Rear Nut Socket**

- \* Remove the differential rear nut.
- \* Flat oval form.
- \* European truck repair tool.
- \*  $\square$  3/4"Dr., 6 teeth(8.7mm), inner dia. 113mm(tooth to tooth), inner dia. 126mm(side to side).
- \* Suitable for MAN, Benz truck.



**TT205**

**Flywheel Rotating Tool with Sprocket**

- \* Allows the accurate rotating of the engine for valve setting or other maintenance and service work.
- \*  $\square$  1/2"Dr. 1 gear, 61mm(H).
- \* Suitable for MAN engines D20..., D25..., D26...,D28...



**TT206****Engine Crank Alignment**

- \* Allows the engine crank to be manually adjusted.
- \* Allows pinpoint accuracy calibration.
- \* Adjusting screw in the clutch housing.
- \* Ideal for adjustments to the engine.
- \* □ 1/2" Dr. 2 gears, 90mm(H).
- \* Suitable for Mercedes Benz 6- / 8- and 10-cylinder engines, MAN 12-cylinder engines, etc.

**TT207****Engine Crank Alignment**

- \* Allows the engine crank to be manually adjusted.
- \* Allows pinpoint accuracy calibration.
- \* Adjusting screw in the clutch housing.
- \* Ideal for adjustments to the engine.
- \* □ 1/2" Dr. 3 gears, 120mm(H).
- \* Suitable for Mercedes Benz ACTROS and ATEGO, MAN 5-/6- and 8-cylinder engines - D25/28, etc.

**TT208****Benz & MAN Clamp Nut Socket (56mm)**

- \* For professional loosening and tightening.
- \* Rectangular form.
- \* Usably with rectangular clamp nuts on the axle stub.
- \* Suitable for exact torque with a 3/4" square drive.
- \* Milled out profile.
- \* For machinery usage.
- \* □ 3/4" Dr. inner  $\phi$ 56mm, 53mm(H).
- \* Suitable for:
  - DAF, MAN trucks (with clamping nut no. 81.92901-0066)
  - Benz trucks (axles VL3/8, 13, VO3/10, VL4/7, 9,10, VD4/14, VO4/11, 13, 18, VL4/15, 16, 19 and VD4/20 in type 363, 385, 387, 389, 391, 393, 395, 617, 620, 621, 622, 623, 625 and 649 (ex: Benz ACTROS with drum brake tightening nut no. 652 330 00 88))
  - Benz buses (axles VO3/10, 4/11, 4/13 and 4/19 in type 0303, 0305G and 0307)
  - KASSBOHRER/SETRA (front axle 6.5+7.5 in types S210 and 215, SG 219-221 and non-driven rear axle types S216 HDS and S228 DT)

**TT209****Benz & MAN Clamp Nut Socket (60mm)**

- \* For professional loosening and tightening.
- \* Rectangular form.
- \* Usably with rectangular clamp nuts on the axle stub.
- \* Suitable for exact torque with a 3/4" square drive.
- \* Milled out profile.
- \* For machinery usage.
- \* □ 3/4" Dr. inner  $\phi$ 60mm, 53mm(H).
- \* Suitable for:
  - DAF, KASSBOHERE/SETRA
  - Benz and MAN 9 tons strengthen front axle VL5.
  - Benz SK front axle VL5/1 D-9, VL5/2 D-9, series 2629/6x4, 2635 k/6x4, 3535 k8/x4/4, such as Benz ACTROS with disc brake and FAUST 9 tons front axle.





**TT210 Benz & MAN Drive Axle Nut Socket**

- \* For removing the drive axle nut.
- \* Use the tool to remove the drive shaft nut.
- \* European truck repair tool.
- \* 3/4" Dr., 6 teeth(11.5mm), inner dia.  $\phi$ 101.5mm(tooth to tooth), inner dia.  $\phi$ 110mm(side to side).
- \* Suitable for MAN, Mercedes Benz truck.



**TT211 Benz & MAN Rear Axle Nut Socket**

- \* Internal square drive to DIN 3121 / ISO 1174.
- \* Rigid location tube.
- \* Optional with expander sleeve (bayonet locking system).
- \* Inner  $\phi$ 80mm, outer  $\phi$ 95mm, 175mm(H), locating tube  $\phi$ 49mm, stud  $\phi$ 87mm, stud width 10mm.
- \* Suitable for Mercedes Benz ATEGO rear axle, VITARO 814, MAN, etc.



**TT212 Benz & MAN Rear Axle Nut Socket**

- \* Internal square drive to DIN 3121 / ISO 1174.
- \* Optional with sleeve locating tube.
- \* Suitable for high tightening and loosening torque.
- \* Inner  $\phi$ 95mm, outer  $\phi$ 115mm, 110mm(H), stud  $\phi$ 101mm, stud width 11.5mm.
- \* Suitable for Mercedes Benz and MAN 10+13t reduction axle, HYPOID-and trailer axle NR7/4, OMNIBUS 0305 G + 0405G, etc.



**TT213 Extension Tube for Rear Axle (R)**

- \* With hexagon drive SW 41.
- \* For removal and installation of wheel hubs.
- \* For the protection of the wheel bearing and threaded bolts.
- \* Inner  $\phi$ 60mm, outer  $\phi$ 78mm, M75x1.5, 180mm(L).
- \* Suitable for right handed thread=rear axle HL2 e.g. MAN L series.

### TT214 Extension Tube for Rear Axle (L)

- \* With hexagon drive SW 41.
- \* For removal and installation of wheel hubs.
- \* For the protection of the wheel bearing and threaded bolts.
- \* Inner  $\phi 60\text{mm}$ , outer  $\phi 78\text{mm}$ , M75x1.5, 180mm(L).
- \* Suitable for left handed thread=Mercedes Benz ATEGO / VARIO.



### TT215 MAN Truck Transmission Socket

- \* This special socket removes.
- \* Transmission nut on MAN trucks.
- \* 3/4"Dr. inner  $\phi 53.5\text{mm}$ , outer  $\phi 72\text{mm}$ , 75mm(H).



### TT216 Benz Axle Nut Socket

- \* Six sided drive SW 36.
- \* Positive drive of the axle nut.
- \* Any extensive slipping is avoided.
- \* Milled out profile.
- \* Can be used with an impact wrench or torque wrench.
- \*  $\square 36\text{mm}$ , inner  $\phi 95\text{mm}$ , outer  $\phi 118\text{mm}$ , 175mm(H).
- \* Suitable for Mercedes Benz axle trailers.



TT216

### TT217 Benz Rear Axle Nut Socket

- \* Internal square drive to DIN 3121 / ISO 1174.
- \* Rigid locating tube.
- \* Suitable for high tightening and loosening torque.
- \* Inner  $\phi 105\text{mm}$ , outer  $\phi 125\text{mm}$ , 180mm(H), stud  $\phi 116\text{mm}$ , stud width 10mm
- \* Suitable for Mercedes Benz ACTROS rear axle, HL/HL 8 (Hypoid), etc.



TT217

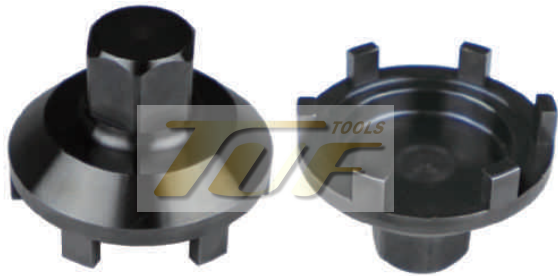
### TT218 Benz Groove Nut Socket for Rear Axle Nut

- \* With hexagon drive SW 32.
- \* For the removal and installation of the rear axle nut.
- \* Suitable for high tightening and loosening torque.
- \* Drive tube  $\phi 35\text{mm}$ .
- \* Inner  $\phi 122\text{mm}$ , outer  $\phi 139\text{mm}$ , 310mm(H), stud  $\phi 123.5\text{mm}$ , stud width 6mm
- \* Suitable for Mercedes Benz CITARO.



TT218





**TT219**

**Groove Nut Socket for Differential Nuts**

- \* With hexagon drive SW 32.
- \* Removal and installation of differential nuts.
- \* Suitable for high tightening and loosening torque.
- \* Inner  $\phi$ 72mm, outer  $\phi$ 84mm, 60mm(H), stud  $\phi$ 72mm, stud width 6mm.
- \* Suitable for Mercedes Benz CITARO, EVO BUS (ZF axle 132).



**TT220**

**MAN Front Axle Nut Socket**

- \* Internal square drive to DIN 3121 / ISO 1174.
- \* Six sided drive SW 60.
- \* Optional with sleeve locating tube.
- \* High accuracy of fit.
- \* Suitable for high tightening and loosening torque.
- \* Inner  $\phi$ 133mm, outer  $\phi$ 145mm, 110mm(H), stud  $\phi$ 118mm, stud width 12mm
- \* Suitable for MAN TGA front axle, V9-82L-01 (disk brake / ABS), etc.



**TT221**

**MAN TGA Front Axle Nut Socket**

- \* Internal square drive to DIN 3121 / ISO 1174.
- \* Six sided drive SW 60.
- \* Suitable for high tightening and loosening torque.
- \* Inner  $\phi$ 101mm, outer  $\phi$ 110mm, 80mm(H), stud  $\phi$ 93mm, stud width 7.2mm
- \* Suitable for MAN TGA front axle, V9-82L-01 (disk brake / ABS), etc.



**TT222**

**MAN TGA Drive Axle Nut Socket**

- \* Internal square drive to DIN 3121 / ISO 1174.
- \* Six sided drive SW 60.
- \* Optional with sleeve locating tube.
- \* Suitable for high tightening and loosening torque.
- \* Inner  $\phi$ 133mm, outer  $\phi$ 145mm, 160mm(H), stud  $\phi$ 118mm, stud width 12mm
- \* Suitable for MAN TGA drive axle, V9-82L-01 (disk brake / ABS), etc.

**TT223****Extension Tube for  
MAN TGA Rear Axle**

- \* For the removal and installation of wheel hubs.
- \* Extension tube for the protection of the wheel bearing and threaded bolts.
- \* With knurling and bore for toggle lever.
- \* M100x 1.5, inner  $\phi$ 96mm, outer  $\phi$ 105mm, 360mm(L)
- \* Suitable for MAN TGA rear axle e.g. HY 1350.

**TT224****MAN Front Wheel Hub Extractor**

- \* The tool used to remove the front wheel hub.
- \* Use this axle with spanner spin the screw.
- \* Flat oval form.
- \* European truck repair tool.
- \*  $\phi$ 49.4mm, inner  $\phi$ 100.2mm, outer  $\phi$ 115x1.5mm, 93mm(H), TM 30x6
- \* Suitable for MAN truck.

**TT225****MAN Front Wheel Hub Extractor**

- \* To install front wheel hub of MAN.
- \* There is a bearing inside the tool to save power.
- \* Use this axle with spanner spin the screw.
- \* European truck repair tool.
- \* Inner  $\phi$ 50.1mm, outer  $\phi$ 153.7mm, 121mm(H), Nut: TM 30x6, Screw: M40x1.5
- \* Suitable for MAN truck.

**TT226****MAN Front Wheel Hub  
Remover (166mm)**

- \* When MAN axle bearing is stuck due to it's over heat, use this tool with air wrench for labor saver and easier removal.
- \* Use this axle with spanner spin the screw.
- \* European truck repair tool.
- \*  $\phi$ 55mm, inner  $\phi$ 87mm, P.C.D.  $\phi$ 166mm, 118mm(H).
- \* Suitable for MAN new type truck.

**TT227****MAN Axle Bearing Extractor**

- \* For removal and installation of the MAN truck hub bearing.
- \* Turn the screw to remove the bearing.
- \* To be used with wrench.
- \* European truck repair tool.
- \*  $\phi$ 30mm, inner  $\phi$ 108mm, outer  $\phi$ 169mm, 238mm(H)
- \* Suitable for changing the MAN truck hub bearing.

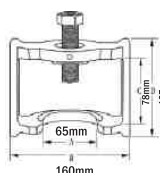






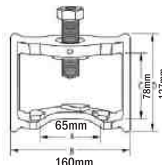
### TT228 MAN Tractor Axle Bearing Extractor

- \* For removal and installation of the MAN tractor hub bearings.
- \* Turn the screw and remove the old bearing.
- \* European truck repair tool.
- \*  $\square$  30mm, inner  $\phi$ 111mm, outer  $\phi$ 169mm, 238mm(H)
- \* Suitable for MAN truck tractor 33460/ 410/ 414 with front disc brake bearing.



### TT301 HALDEX Brake Linkage Adjuster Extractor

- \* Substantial construction for drawing off firmly sitting BPW brake linkage adjusters.
- \* Certain stop through ring shaped bearing area.
- \*  $\square$  32mm.



### TT302 BPW Brake Linkage Adjuster Extractor

- \* Substantial construction for drawing off firmly sitting BPW brake linkage adjusters.
- \* Suitable for automatic linkage adjusters.
- \*  $\square$  32mm



### TT303 BPW Axle Nut Socket

- \* For the removal and installation of BPW axle nuts.
- \* Flat oval form.
- \* Suitable for exact torque with a 3/4" square drive.
- \* For machinery usage.
- \*  $\square$  36mm, inner  $\phi$ 65mm, outer  $\phi$ 82mm, 66mm(H)
- \* Suitable for 6.5 ~9 tons trucks.



### TT304 BPW Rear Hubcap Nut Socket

- \* Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.
- \* Socket for the rear axle cover.
- \* Male hex drive: 41mm.
- \* Size: 109mm x 8 point opening
- \*  $\square$  41mm, inner  $\phi$ 109mm, outer  $\phi$ 129mm, 94mm(H)
- \* Suitable for BPW 12 tons.



### TT305 BPW Rear Hubcap Nut Socket

- \* Special heavy duty oval shape socket with two flats on the side to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.
- \* For removing the rear axle cover.
- \* Male hex drive: 41mm.
- \* Size: 111mm across the flats.
- \*  $\square$  41mm, inner  $\phi$ 111mm, outer  $\phi$ 132mm, 94mm(H)
- \* Suitable for BPW 12 tons.



### TT306 BPW Rear Hubcap Nut Socket

- \* Special heavy duty eight point socket to suit BPW rear axle hub retaining cap nuts found on later model Japanese commercial trucks, tractors and other automotive industrial equipment.
- \* Size: 120mm x 8 point opening
- \*  $\square$  41mm, inner  $\phi$ 120mm, outer  $\phi$ 143mm, 95mm(H)
- \* Suitable for BPW former 16 tons.



### TT307 BPW Axle Extractor

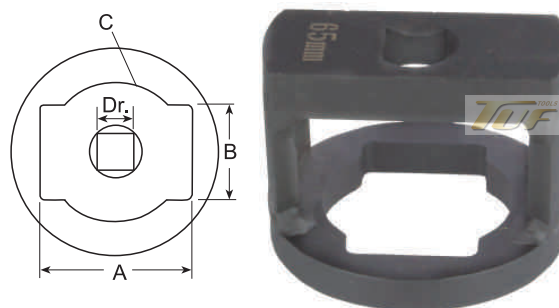
- \* Use this axle with spanner spin the screw.
- \* Flat oval form.
- \* European truck repair tool.
- \*  $\square$  49mm, inner  $\phi$ 98mm, outer  $\phi$  M155x3.0mm, 98.5mm(H), TM 30x6.
- \* Suitable for former model of 16 tons truck.



### Wheel Capsule and Axle Nut Socket

- \* For cleaning, easy loosening and tightening of flat oval wheel capsules and axle nuts, e.g. on BPW axles.
- \* For the removal and installation of grease capsule on BPW axles.
- \* Suitable for exact torque with a 3/4" square drive.
- \* Ideally suited for very high tightening and loosening torques.
- \* For machinery usage.

ITEM NO.	A (mm)	B (mm)	C (mm)	H (mm)	$\square$ (inch)	SUITABLE
TT308	65	40	60	68	3/4	ECO-axle
TT309	80	50	72	68	3/4	ECO-axle
TT310	85	50	80	68	3/4	ECO-front axle 13t
TT311	95	40	90	68	3/4	
TT312	111	45	107	72	3/4	
TT313	120	48.5	115	72	3/4	ECO-axle





**TT314**

**BPW Axle Extractor**

- \* Use this axle with spanner spin the screw.
- \* European truck repair tool.
- \*  $\varnothing$ 42.8mm, inner  $\varnothing$ 93.1mm, outer  $\varnothing$  M125x2.0mm, 99.4mm(H), TM 30x6
- \* Suitable for former 12 tons trailer.



**TT315**

**BPW Axle Extractor**

- \* Use this axle with spanner spin the screw.
- \* Flat oval form.
- \* European truck repair tool.
- \*  $\varnothing$ 43mm, inner  $\varnothing$  M135x2.0mm, outer  $\varnothing$ 150mm, 120.3mm(H), TM 30x6
- \* Suitable for BPW ECO 10~12 tons old model.



**TT316**

**BPW Axle Extractor**

- \* Use this axle with spanner spin the screw.
- \* Flat oval form.
- \* European truck repair tool.
- \*  $\varnothing$ 43mm, inner  $\varnothing$  M136x2.5mm, outer  $\varnothing$  150mm, 120.3mm(H), TM 30x6
- \* Suitable for BPW ECO plus 8~12 tons, BPW ECO 10 tons new model.



**TT401**

**SCANIA Camshaft Rotator**

- \* Allows the engine crank to be manually adjusted.
- \* Allows pinpoint accuracy calibration.
- \* Ideal for adjustments to the engine.
- \* 1/2" Dr.
- \* Suitable for SCANIA after 1996.



**TT402**

**SCANIA Electromagnetic Injection Valve Cap Socket**

- \* 8 points.
- \* For tightening & loosening the electromagnetic injection valve cap.
- \*  $\square$  3/4" Dr., inner  $\varnothing$ 38mm, outer  $\varnothing$ 45mm, 100mm(H).
- \* Suitable for SCANIA(340) trailer, SCANIA GENUINE stock no.: 1529752 8075, 119966 0332 5, 016 868



**TT403****SCANIA Transmission Clutch  
Front Main Shaft Socket**

- \* This special socket removes.
- \* European truck repair tool.
- \* 3/4"Dr., 4 teeth(6.75mm), inner dia. 72.5mm(tooth to tooth), inner dia. 80.8mm(side to side), 76.1mm(H).

**TT404****SCANIA Transmission Back  
Oil Seal Installer**

- \* Sealing ring installation aid for manual use.
- \* For damage free mounting.
- \* Suitable for SCANIA transmission flange shafts on transmission and rear axle(e.g. change to Simmerrings part no. 1 502 384/1 502 385).

**TT405****SCANIA Front Wheel Shock Absorber  
Spring Washer Removal Socket**

- \* This special socket removes.
- \* European truck repair tool.
- \* 3/4"Dr., inner  $\phi$ 28.5mm, outer  $\phi$ 53.9mm, 50mm(H).

**TT406****SCANIA Rear Wheel Shock Absorber  
Spring Washer Removal Socket**

- \* This special socket removes.
- \* European truck repair tool.
- \* 3/4"Dr., inner  $\phi$ 34mm, outer  $\phi$ 56mm, 50mm(H).

**TT407****SCANIA Rear Alex Damper Rod Socket**

- \* This special socket removes.
- \* European truck repair tool.
- \* 3/4"Dr., inner  $\phi$ 34.5mm, outer  $\phi$ 63.9mm, 50.1mm(H).

**TT408****SCANIA Front Wheel Nut  
Socket (80mm)**

- \* Positive drive of the axle nut.
- \* Any extensive slipping is avoided.
- \* Milled out profile.
- \* Can be used with an impact wrench or torque wrench.
- \* 1"Dr., inner  $\phi$ 80mm, outer  $\phi$ 98mm, 75mm(H).
- \* Suitable for SCANIA front axle(e.g. 124L/ 144L), series 4 from 96 for vehicles above 16 tons, removal and installation of the axle nuts in front of the brake disc.





**TT409**

**SCANIA Rear Wheel Nut Socket (100mm)**

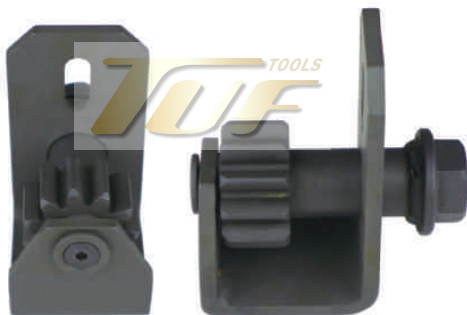
- \* Control the nut with slide rod to adjust bearing.
- \* This eight sided 100mm socket is specifically for rear wheel nut sockets on SCANIA trucks.
- \* □ 3/4"Dr., inner  $\phi$ 100mm, outer  $\phi$ 123mm, 84mm(H).



**TT501**

**Engine Crank Alignment DAF**

- \* Allows the engine crank to be manually adjusted.
- \* Allows pinpoint accuracy calibration.
- \* Ideal for adjustments to the engine.
- \* □ 1/2"Dr.,  $\phi$ 33mm, 9 teeth, 81mm(L).
- \* Suitable for XF 105 Euro 5 etc.



**TT502**

**Engine Crank Alignment DAF**

- \* With 6 point drive SW24.
- \* Allows the engine crank to be manually adjusted.
- \* Allows pinpoint accuracy calibration.
- \* Ideal for adjustments to the engine.
- \*  $\square$  24mm,  $\phi$ 40mm, 11 teeth, 90mm(H), 55mm(L).
- \* Suitable for 65CF, 75CF, 85CF, 95XF, CF75, CF85, F65, F75, F85, F95, XF95.



**TT503**

**Calliper Adjuster Socket**

- \* Barreled round shape.
- \* Material: SCM 440.
- \*  $\square$  24mm, inner  $\phi$ 10mm, outer  $\phi$ 24mm, 5 teeth, 46mm(H).
- \* Suitable for most of European trucks, such as SCANIA VOLVO...etc.



**TT504**

**SAF Axle Nut Socket**

- \* Positive drive of the axle nut.
- \* Any extensive slipping is avoided.
- \* Milled out profile.
- \* Can be used with an impact wrench or torque wrench.
- \*  $\square$  36mm, inner  $\phi$ 85mm, outer  $\phi$ 118mm, 82mm(H).
- \* Suitable for SAF axle trailers.

**TT505****SAF Axle Nut Socket**

- \* Positive drive of the axle nut.
- \* Can be used with an impact wrench or torque wrench.
- \* Ideally suited for brake restoration working.
- \* Forward tension with SW 32mm is at 150 Nm.
- \* Angle of rotation 20-30 with SW 46.
- \*  $\square$  32/46 mm, inner  $\phi$ 140mm, 135mm(H).
- \* Suitable for SAF Euro axle etc.

**TT506****IVECO Axle Nut Socket**

- \* Positive drive of the axle nut.
- \* Any extensive slipping is avoided.
- \* Milled out profile.
- \* Can be used with an impact wrench or torque wrench.
- \*  $\square$  36mm, inner  $\phi$ 98mm, outer  $\phi$ 122mm, 117mm(H).
- \* Suitable for IVECO Euro Cargo, etc.

**TT507****IVECO Axle Nut Socket**

- \* Positive drive of the axle nut.
- \* Any extensive slipping is avoided.
- \* Milled out profile.
- \* Can be used with an impact wrench or torque wrench.
- \*  $\square$  36mm, inner  $\phi$ 110mm, outer  $\phi$ 134mm, 118mm(H).
- \* Suitable for IVECO EUROTECH CURSOR HA, etc.

**Sleeve Locating Tube**

- \* Practical connector system with fixing screw.
- \* Useful for different groove socket nuts (module systems).
- \* Enables stable work position.
- \* Prevents slippage of the socket.
- \* Change through loosening of the grub screw on the hexagon.

ITEM NO.	INNER $\phi$ (mm)	OUTER $\phi$ (mm)	L (mm)
TT508	46	52	140
TT509	54	60	140
TT510	60	67	140

**TT511****Truck Injectors Solution**

- \* Special injector puller solution for new generation trucks.
- \* Suitable for SSANGYONG, Mercedes, trucks with injector pump systems or with tradition truck injectors (VOLVO, SCANIA, Mercedes, MAN, RENAULT, IVECO, etc.)







**TT601 HINO Oil Mist Separator Wrench**

- \* HINO oil mist separator wrench (8RIBS, 107mm).
- \* Using the oil-water separator wrench.
- \* Looped handle.
- \* Japanese truck repair tool.
- \* Inner  $\phi$ 107mm, outer  $\phi$ 116mm, 172mm(H), 16mm(thickness).
- \* Suitable for HINO truck year 2003~2006 or after year 2010.
- \* Genuine no.: 103251, S23401-11840-A



**TT602 FUSO Oil Mist Separator Wrench**

- \* FUSO oil mist separator wrench (8RIBS, 109mm).
- \* Using the oil-water separator wrench.
- \* Looped handle.
- \* Japanese truck repair tool.
- \* Inner  $\phi$ 109mm, outer  $\phi$ 118mm, 176mm(H), 16mm(thickness).
- \* Suitable for FUSO 380 over 17 tons (engine no 6M70) and bus. MITSUBISHI all NEW CANTER eco-4 3.5, 6.7 and 6.9 tons.



**TT603 Truck Valve Remover / Installer**

- \* To remove and install the valve of truck.
- \* Japan truck repair tool.
- \* Screw size:  
M16xP2.0xM14xp1.5x240mm(L), M16xP2.0xM12xp1.75x240mm(L),  
M16xP2.0xM10xp1.5x240mm(L), M16xP2.0xM10xp1.25x240mm(L),  
M16xP2.0xM8xp1.25x240mm(L)
- \* Suitable for FUSO 3.5 tons, FUSO over 15 tons, HINO 750, ISUZU 180, ISUZU 200.

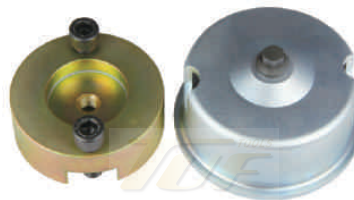


**TT604 Crankshaft Front Oil Seal Installer (ISUZU 3.5 tons)**

- \* This tool is specially designed for preventing the oil seal from damaged when installing it.
- \* Oil seal genuine no: BZ4961E.
- \* Suitable for ISUZU 3.5 tons.

**TT605****Crankshaft Rear Oil Seal Installer  
(ISUZU 3.5 tons)**

- \* This tool is specially designed for preventing the oil seal from damaged when installing it.
- \* Oil seal genuine no: BZ4962-E, 3-97071561.
- \* Suitable for ISUZU 3.5 tons (4JB1, 4JG2) (130HP / 150HP).

**TT606****Crankshaft Oil Seal Replacer (ISUZU)**

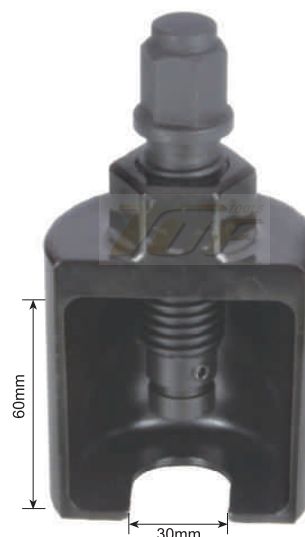
- \* The best tool for replacing crankshaft oil seal.
- \* No damage to oil seal and related parts.
- \* Help to install the oil seals accurately .
- \* Oil seal genuine no: front BZ4365E, rear BZ4219E.
- \* Suitable for ISUZU truck engine model: 4HF1, 4HG1, 6HH1, 6HK1.

**TT607****Universal Extractor**

- \* For trucks axle removal.
- \* Use this axle with spanner spin the screw.
- \* For all Japanese truck removing front and rear axles.
- \* Japanese truck repair tool.
- \*  $\square$  46mm, inner  $\phi$ 20mm, out  $\phi$ 259mm, 32mm(H)
- \* Suitable for Japan truck only, ex: HINO, UD truck 180 pulley.

**TT701****Ball Joint-Puller Bell VIBRO-Impact**

- \* Pressure pieces in the spindle rotating mounted.
- \* Spindle suitable for impact wrenches.
- \* Less space required.
- \*  $\square$  19mm, TM 22mm, 95mm(H).
- \* Suitable for all light trucks. Such as BMW(E39), Benz(W203/W210/W211/W220/W221), MITSUBISHI DELICA, CANTER, TOYOTA DYNA.





**TT702**

**TT702 Ball Joint-Puller Bell VIBRO-Impact**

- \* Pressure pieces in the spindle rotating mounted.
- \* Spindle suitable for impact wrenches.
- \* Less space required.
- \*  $\square$  26mm, TM 24mm, 137mm(H).
- \* Suitable for 3.5 tons~8.8 tons trucks.



**TT703**

**TT703 Ball Joint-Puller Bell VIBRO-Impact**

- \* Pressure pieces in the spindle rotating mounted.
- \* Spindle suitable for impact wrenches.
- \* The best tool for removing truck ball joint.
- \* No damage to ball joint and related parts.
- \*  $\square$  26mm,  $\phi$ 24mm, 130mm(H).
- \* Suitable for over 4 tons and European trucks, HINO special for MAN 414 drag link.



**TT704**

**TT704 Ball Joint-Puller Bell VIBRO-Impact**

- \* Pressure pieces in the spindle rotating mounted.
- \* Spindle suitable for impact wrenches.
- \* Less space required.
- \*  $\square$  3/4"Dr., TM 42mm, 145mm(H).
- \* Suitable for HINO, ISUZU, UD, FUSO, 8.8 ~10.5 tons truck.



**TT705**

**TT705 Ball Joint-Puller Bell VIBRO-Impact**

- \* Pressure pieces in the spindle rotating mounted.
- \* Spindle suitable for impact wrenches.
- \* Less space required.
- \* Put is on steering mechanism PITMAN arm, then take PITMAN arm apart.
- \*  $\square$  3/4"Dr., TM 42mm, 164mm(H).
- \* Suitable for 15 ~35 tons of HINO, ISUZU, NISSAN, FUSO truck and bus.



### TT706 Ball Joint-Puller Bell VIBRO-Impact

- \* Pressure pieces in the spindle rotating mounted.
- \* Spindle suitable for impact wrenches.
- \* Less space required.
- \* □ 3/4"Dr., TM 42mm, 164mm(H).



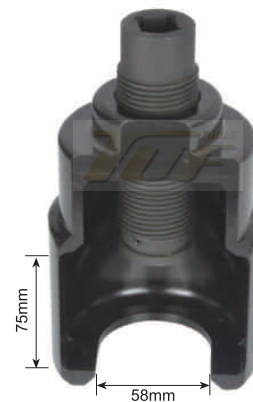
### TT707 Benz ACTROS PITMAN Arm Puller (3/4"Dr., 42mm)

- \* Pressure pieces in the spindle rotating mounted.
- \* No need destroy the PITMAN arm.
- \* □ 3/4"Dr., TM 42mm, 145mm(H).
- \* Suitable for Benz ACTROS & MAN 414.



### TT708 SCANIA PITMAN Arm Puller

- \* To use on PITMAN arm of European trucks.
- \* No need to destroy the PITMAN arm.
- \* □ 3/4"Dr., TM 42mm, 164mm(H).
- \* Suitable for European truck, such as SCANIA.



### TT709 MAN PITMAN Arm Puller (FE410A/FE414)

- \* The tool is designed for extracting PITMAN arm of MAN. It's different from traditional puller that prevents PITMAN arm from damage.
- \* Use H60-70mm socket to remove the fixed nut on the PITMAN arm before using this tool.
- \* □ 3/4"Dr., TM 42mm, 164mm(H).
- \* Suitable for MAN tractor trailer FE410A.

