

FORCE[®]

2013 Addition



Power you on

FORCE[®]

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2013 Addition

Anything you need for tools...



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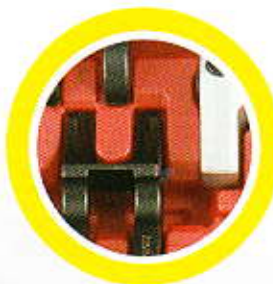
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22pc Alternator repair kit set

922G3

NEW



- Removes and installs press-on-type belt drive accessory pulleys.
- Applicable; VW, Audi, Seat, Mercedes Benz, Renault, BMW, Ford Renault, Fiat, etc....
- Specification: A. 17mm HEX Socket ,
 B. 22mm HEX Socket
 C. 22*28mm HEX Socket , D. 21*28mm HEX Socket
 E. 19*28mm HEX Socket , F. 35mm Round W/4pin
 G. 38mm HEX W/3pin , H. Ø 17.6*15mm HEX*33T
 I. Ø 19.2*15mm HEX*33T , J. Ø 19.3*22mm HEX*33T
 K. 3/8" Dr.* M10x72mmL W/ Ø14*12mm HEX*31T
 L. 1/2" Dr.* T50x110mmL W/ Ø19.5*17mm HEXx33T
 M. 1/2" Dr.* M10x110mmL W/ Ø19.5*17mm HEXx33T
 N. Bit H10 socket w/10mm hex drive end



4/8.7/9.7/0.9'

2169g

12pc Hose clamp pliers kit (Interchangeable)

912G7



Contents:

- 1pc Straight Hose Clamp pliers
- 1pc Angled Hose Clamp pliers
- 2pc Interchangeable jaw
- 8pc Interchangeable Tips

6/13.0/14.0/2.2'

2173g

Hose clamp pliers (for VW, AUDI 2.0)

9G0208



- Special jaw design for VW, AUDI 2.0 TDI engine lower water hose clamp.
- Max clamp capacity: 55mm.
- 630mm cable is flexibility enables user to reach, remove and lock clamp into the open position.



24/20.5/21.5/1.8'

854g



1/2"DR.100mm Cylinder head bolt tool (M9,M9.5,M10,M12,M14)

348100..



- Size : M9 , M9.5 , M10 , M12,M14
- 1/2" DR. 100mm.
- For cylinder head bolts.

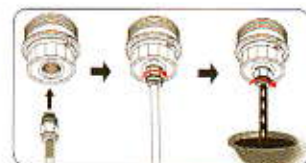
Part no.	Size	<i>l</i> mm	g	Applications
34810009	M9	100 mm	95	VW Golf / Jetta / Audi A4 , TT , A8 / Mercedes Benz M102, 103, 104, 110, 116, 117, 119, 120, 615, 616, 617 / TOYOTA MR2
348100095	M9.5	100 mm	102	FIAT
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34810014	M14	100 mm	187	Volkswagen / Ford / Chrysler / Rover

Oil filter drain tool (Toyota & Lexus)

61923



- Provide a professional and clean work since changing oil filter.
- Available for many Toyota & Lexus (2006~) 4cyl and 8cyl vehicles.



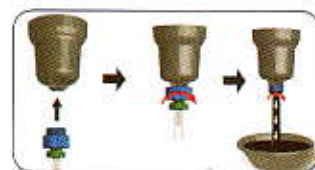
50/8.0/8.5/0.48' 180g

Oil filter drain tool (VW)

61925



- Provide a professional and clean work since changing oil filter.
- Available for many VW 2.0 vehicles.



Golf V 2.0T 2.5
Golf V (all) 2.5T
Jetta V (all) 2.0T
Passat B6 (all) 2.0T

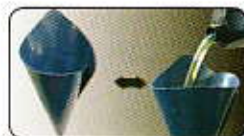
40/7.4/8.4/3.6' 170g


Flexible / Moldable funnel

61926



- Flexible funnel provides easy job for draining or refilling wide kinds of fluid and oil.
- Suitable application: engine oil, coolant, brake oil, auto transmission oil...etc.
- Easy to bring anywhere, use to limited space, and easy storage.



 50/11.5/12.5/1.0'  230g



In-line spark plug tester

88409



- Handy pocket screwdriver type.
- Checks dead spark plugs in automotive.
- CE approved.



 100/9.0/10.0/1.8'  65g

Auto memory saving kit

9C2008



- Maintains the memory of car radios, clocks and computer functions when battery is disconnected.
- Simply attach a 9-volt battery and plug into cigarette lighter.
- Will retain settings up to 4 hours.
- Will not power any lights or other accessories.



 144/10.0/11.0/2.1'  40g

1/2" DR. Extra long oxygen sensor socket

44315022



- For removing and install lambda sensors with a deep-seated hexagon.
- Size: 1/2"DR. 22mm x 6PT x 150L.
- Application: MERCEDES-BENZ C/E, 602, 605, 606 VW/AUDI/ SKODA/SEAT, BMW, FORD, OPEL, ROVER, VOLVOL.

 48/17.4/18.4/1.3'  362g





■ Glow-plug connector pliers (Straight)

9G1001



- Designed to remove hard to reach glow plug connectors, without damage on the latest diesel engines.
- Applicable: BENZ, BMW, VW, Audi... etc.

 36/10.0/11.0/2.05'  277g



■ Glow-plug connector pliers (Angled)

9G1002



- Special angle designed to remove stubborn and hardly accessible glow plug connectors which installed on the latest generation engines.
- Applicable: BENZ, BMW, VW, Audi... etc.
- Version angled at 90°




 36/10.0/11.0/1.19'  277g

■ Glow plug removal and puller set

916G3

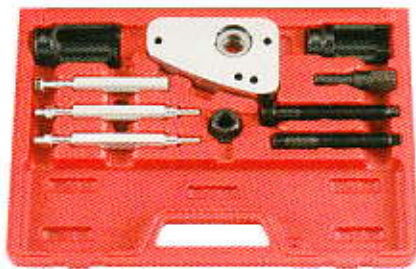


- Simplifies the assembly and disassembly and professional repair of glow plug thread.
- Suitable for most injectors.
- Assembly and disassembly of glow plugs and repair glow plug threads.
- Extractor for fixed glow plugs.
- Step drill to drill out damaged glow plugs 7 x 5.5 mm and 9 x 5.5 mm.
- Taps M8 x 1.0, M10 x 1.0 and 1/4"-28UNF for repairing glow plug threads.
- Tap holder.
- E10 socket.

 10/17.5/18.5/1.6'  1750g



■ Diesel injector nozzle extractor set (PSA HDI engines)

910G3



- Common Rail Injector removal tool set for removal of seized Injectors on Peugeot, Citroen, Suzuki diesel HDI engines.
- Pulling bridge that fits perfectly on PSA cylinder head.
- Special screw system, that allows a fast and easy nozzles removal.
- Applicable Engines: PSA 2.0 & 2.2 HDI (110, 135 PS), HDI DW10 and DW12 engines .



 6/22.0/23.0/1.4'  3660g

■ Diesel injectors remover tool model FOSI

926G1

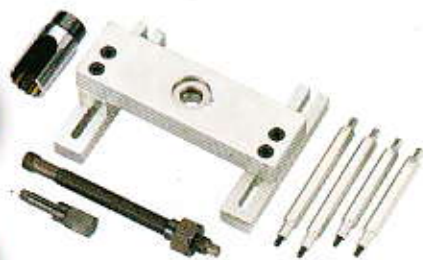


- For the extraction of extremely seized injectors.
- With the precisely tailored specifically for this.
- Application designed extractor, the injectors can be extracted hydraulically or mechanically.
- Application:Fiat , Lancia , Alfa , Opel , Suzuki , Ford , Iveco , PSA.

 2/23.0/24.0/1.05'  11500g



■ Diesel injectors remover for BMW

908G11



- Complete set for removing BMW CR Injectors without dismantling the cylinder head.
- Equipped with a blower adapter to clean the injector seats.
- Bosch injectors: common rail injectors mounted on BMW
- Application:BMW Common Rail : M47TU, M57, M57TU.




 2/13.0/13.8/0.9'  6500g


■ Diesel injectors remover for JTD

9G0119



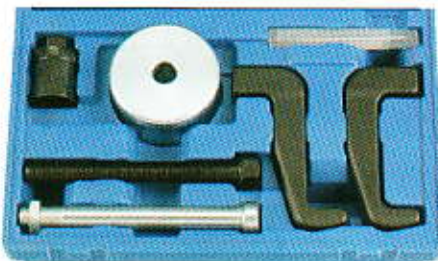
- Universal injector remover with 4 adjustable feet for JTD diesel engines.
- Remover for common rail injectors.
- Application: FIAT, ALFA, OPEL, SAAB, SUZUKI.

 8/19.0/20.0/1.8"

 2375g


■ Injector puller set for Mercedes CDI


907G11



- For removing adapted tight common rail injectors without having to disassemble cylinder head.
- Applicable: Mercedes - Benz CDI engines 611.612.613, etc.

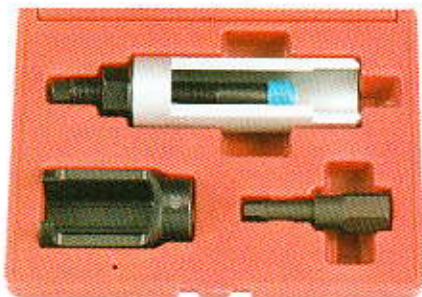


 6/21.5/22.0/1.0"

 3583g

■ Injector nozzle extractor with spindle


903G17



- This special designed diesel injector puller set is ideally for the need to remove stubborn diesel injector.
- No need to remove cam cover and the use of slide hammer.
- Application: Mercedes C-Class, E-class, Sprinter Vehicles and Chrysler Grand Cherokee 27crd (00).

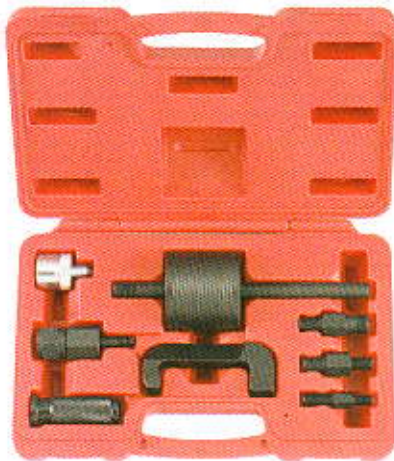


 12/15.5/16.5/1.1"

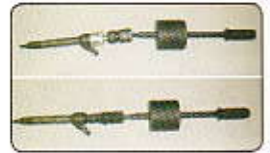
 1291g

Injector extractor with slide hammer for DB CDI-engines

909G5



- For removing stuck and the seized common-rail injectors without dismount the cylinder head.
- The sturdy construction will enable the swift removal of the most severely seized in injector.
- For Mercedes CDI engines OM 611,612,613 etc and DB CDI-engines.



• Specification: Total length: 350mmL

Slide hammer: 1.75kgs

Adaptor: M17x1

Adaptor: M27x1.0 for Bosch injector nozzle.

Adaptor: Puller w/M12x1.75P

6/20.0/21.0/1.5'

3333g

VW, AUDI Diesel & gas injection remover tool (TDI & FSI)

912G6



- Use "U" sleeve or two jaws hook to fix the injector and then pull out with slide hammer.
- Special two jaws design to fix the injector and pull out with slide hammer.
- Applicable range: VW, AUDI TDI, AUDI FSI, VW, AUDI, SEAT, SKODA.



6/22.0/23.0/0.9'

3666g

4pc Diesel injector removal set for Delphi & Bosch

904G9



- Specifically designed for removing Delphi/Bosch diesel injectors using a Slide Hammer with 5/8" UNF thread.
- Adaptors can also be used with an air tool to loosen the injectors by vibration.
- Set of 3 adaptors plus a special tool for removing the internal part of Bosch injectors.

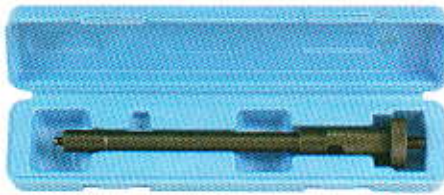
18/18.5/19.0/1.0'

1027g





■ Diesel injector copper washer removal tool

9G0118



- Collect type easy to hold the copper washer.
- Size: Inner hole 7
- Length: 230mm





 20/16.0/17.0/1.2'  800g

■ Fly wheel holder tool for BMW

905G15

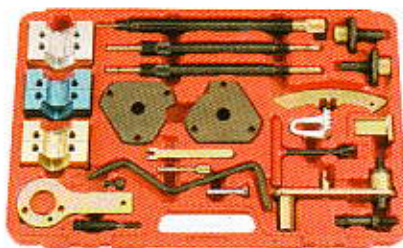


- When replacing timing chain , this tool can block flywheel.
- It helps to release and tighten down central bolts on vibration damper.
- Application:BMW (M47T2/M47TU/M57T2/M57TU/M67/N45 /N45T/ N46/N46T/N51/N52/N53/N54/W17)

 20/18.0/19.0/1.2'  900g

■ Engine timing tool set for FIAT

934G1



- Petrol Engines:
FIAT Brava, Bravo, Barchetta, Cargo, Coupe, Marea, Palio, Weekend, Punto, Multipla, Stilo, Idea Doble, Twin Cam Engines 1.2 1.4 1.6 1.8 16V.
- Diesel Engines:
FIAT Brava, Bravo, Marea/ Weekend, Palio, Punto, Multipla, Doblo, Ulysse, Ducato, Stili JTD Diesel Engines 1.9D/TD 1.9JTD 2.4TD/JTD.



 5/23.4/24.4/1.7'  4680g

■ Diesel engine locking tool set for OPEL / Renault / Nissan

911G5



- To prevent the engine camshaft turning belt tensioner when changing a timing belt or during other engine repairs.


- Applicable:

Renault: Clic, Megane, Scenic, Kangoo, Trafic, Master (99-04).

Nissan: Micra, Kubistar, Primastar.

Opel: Vivaro, Movano engine: 1.5, 1.9, 2.2, 2.5 DCI. (K9K G9U).



10/20.4/21.0/1.4'  2040g


■ Engine timing tools set for VAUXHALL/OPEL diesel 1.9 CDTI

905G16



- Suitable for timing belt replacement on Vauxhall/ Opel and Saab vehicles fitted with 1.9CDTi/TiD engines.

- Kit contains camshaft alignment screws, crankshaft pulley alignment tool and tensioner pin.

20/13.4/14.0/0.9'  670g

■ Engine timing Tool set for Opel /Vauxhall

920G2




- Changing the timing belt Suitable for identical engines in e.g: Saab, Renault, etc.

- Locking the camshaft and crankshaft.

- Diesel engine 1.3CDTi 16V , 1.9CDTi , 2.0DTi , 2.2DTi

- Application for Agila, Combo-C, Corsa, Frontera , Omega, Sintra , Tigra Petrol engine 1.0 12V / 1.2 16V(since 97) 1.4 / 1.6 / 1.8 / 2.0 / 2.2 16V (since 95) Application for Agila , Astra , Corsa , Frontera , Omega , Sintra , Speedster, Tigra , Vectra , Zatira

5/19.0/21.5/1.7'  3800g



■ Diesel engine timing tool set for RENAULT, NISSAN, OPEL

908G12



- This engine timing tool set includes important tools for chain driven dCi diesel engines.
- This is a Chain driven engine and not considered a service time.
- The Chain will only need replacement or checking if the sprockets or tensioners are dismantled.
- Applicable: RENAULT 2.0 dCi M9R engine
OPEL 2.0 CDTi M9R engine
NISSAN 2.0 dCi

10/22.0/23.0/1.6' 2200g

■ Belt tool kit for elastic-ribbed belts

902G9



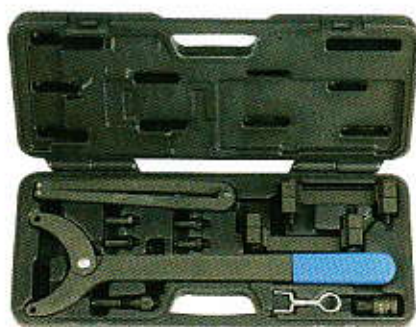
- Suitable for engines with elastic ribbed belts such as Alfa Romeo, BMW, Chrysler, Fiat, Ford, Mercedes, PSA, Seat, Skoda, Smart, Volvo, VW-Audi...etc
- This tool set is quickly and easily removal and installation of the new elastic ribbed belts required.



30/17.0/18.0/1.3' 567g

■ Engine timing tool set for AUDI

910G5

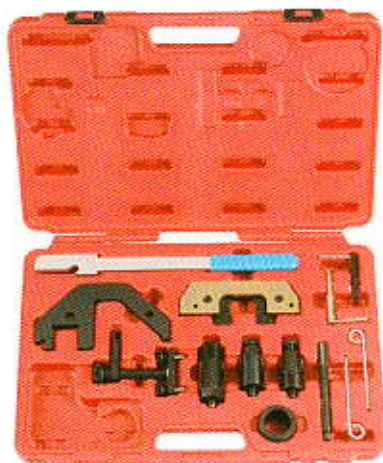


- Special designed set of tools for alignment camshaft lock and adjusting.
- Applications: VAG A4/A6/A8 3.2 FSI with engine AUK, A6/Quattro 2.4 with engine BDW.


5/14.0/15.0/1.2' 2800g

■ Engine timing tool set for BMW M41, M51, M47, M57

913G6



- Installation and removal of the camshaft / hydraulic chain tensioner.
- Checking and adjustment of camshaft timing.
- Easily accessible operating instructions including cross references to original part numbers.
- Spare parts optionally available.
- Clear arrangement of tools in high-quality plastic case with soft foam insert.
- Application: BMW M41, M51, M47, M57.

 5/19.0/20.0/1.4'

 3800g


■ Engine timing tool set for BMW M47


905G17



- Special design for correcting timing to be made when servicing BMW M47 2.0 16V Engines.
- Applicable: BMW M47 Engines.



 12/15.4/16.0/1.3'

 1283g


■ Diesel engine timing tool set for BMW N47/N47S


904G11



- Installing and removal of camshaft & variable camshaft timing unit.
- Applications: BMW N47/N47S 2.0 twin camshaft diesel chain drive engines.
- BMW N47 / N47S 2.0d Diesel Engine in:
 - 1Series: 118d(E81/E87)
 - 120d(E81/E82/E87)
 - 123d(E81/E82/E87)
 - 3Series: 318d (E90/E91)
 - 320d(E90/E91/E92)
 - 5Series: 520d(E60/E61)
 - X3 2.0d: (E83)



 10/9.5/10.5/0.8'

 950g





■ Engine timing tool set for BMW N42, N46, N46T

908G9



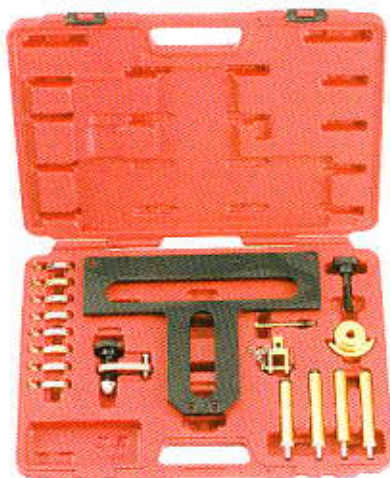
- Installing and removal of camshaft/variable camshaft timing unit.
- Checking and adjustment of timing.
- Applicable: E87: 118i/120i-N46
E46: 316i/316ti/318i-N42
E90/E91: 318i/320i-N46
E85: Z4.2.0L-N46



 10/23.8/24.8/1.5'  2400g



■ Engine timing tool set for BMW N42/N46

918G3



- Suitable for the following applications: -Camshaft installation and removal as well as removal and installation of the inlet camshaft and carrier assembly / Valvetronic System.
- Easily accessible operating instructions including cross references to original part numbers
- Spare parts optionally available
- Clear arrangement of tools in high-quality plastic case with soft foam insert
- Applicable: E87: 118i / 120i : N46 engine
E46: 316i / 316ti / 318i / 318ti : N42 engine
E90 / E91: 318i / 320i : N46 engine
E85: Z4 . 2.0l ; N46 engine



 5/19.0/20.0/0.8'  3700g



■ Engine timing tool set for BMW N40/N45/N45T

906G5



- Applications: BMW N40 and N45(T) Twin Camshaft Petrol engine in BMW.
1 series 116. E81/E87.
3 series 316i E46/E90.
316Ci E46.
316ti. E46.
- Contents: VANOS Alignment Plate.
Camshaft Setting Plate (Inlet).
Camshaft Setting Plate (Exhaust).
Timing Chain Tensioner Pre-Load Tool.
Flywheel Locking Pin.
Camshaft Setting Plate Securing Screw.



 10/20.0/21.0/1.3'  2000g

■ Engine timing tool set for BMW N51/N52/N53/N54

912G5



- Special design to locate camshaft in TDC position.
- Applicable: BMW N51/N52/N53/N54 engines
- Applicable models:
135iS.E82(07-08), 323i.E90/91/92/93(04-08),
325i/xi.E90/91/92/93 (04-08), 330i/xi.E90/91/92/93(04-08),
335i/xi.E90/91/92/93(04-08),
523i/Li.E60/61(04-08),X3 2.5/3.0.E83(06-08),
525i/Li/xi.E60/6106-08), 528i/Li/xi.E60/61(06-08),
530i/Li/xi.E60/61(05-08), 535i/xi.E63/64(04-08),
630i. E60/61(04-08), 730i/Li.E65/66(04-08),X5 3.0.E70(06-08),
Z4 2.5/3.0.E85/86(05-08).E90/91/92/93(04-08)

4/24.0/25.0/2.0'

6000g

■ Engine timing tool set for BMW, Mini,Citroen, Peugeot

905G12



- Required for removal/installation of the timing chain assembly.
- Relevant setting/locking tools for particular vehicles/engines will also be required.
- Set contains balance shaft alignment, crankshaft holding and chain tensioner tools.
- Applications:BMW: N40/N45/N45T B16, N42/N46 B18, B18A, B20, B20A, B20B, N51/N52/N52K/N53/N54 Valvetronic, N53/N54 Direct Injection Non-Valvetronic, BMW Mini; N12/N14, Citroen/Peugeot: EPS(8FS)/EPS.



12/11.4/12.0/1.3'

950g

■ Brass R12 , R22 A/C & refrigeration manifold gauge (with 60" hose 1/4" SAE)

9G4101



- R-12 , R22 sight glass manifold with three 60" 1/4" SAE color-coded hoses.
- With sight glasses.
- High pressure:0~500 psi
0~3400 Kpa
- Low pressure:0~250 psi
0~1700 Kpa
- Vacuum:0~76 in/Hg

5/7.8/8.8/1.0'

1344g

■ Aluminum R12 , R22 , R134a Auto A/C manifold gauge set (with 60" hose 1/4" SAE and 2 couplers)

9G4102



- R-12 , R22 , R134a sight glass manifold with three 60" 1/4" SAE color-coded hoses and 2 couplers.
- With sight glasses.
- High pressure:0~500 psi
0~3400 Kpa
- Low pressure:0~250 psi
0~1700 Kpa
- Vacuum:0~76 in/Hg

2/9.5/10.5/1.0'

1885g

■ Aluminum R404A , R407C , R507A A/C & refrigeration manifold gauge (with 60" hose 1/4" SAE)

9G4106



- R404A , R407C , R507A sight glass manifold with three 60" 1/4" SAE color-coded hoses.
- With sight glasses.
- High pressure:0~500psi
0~35kg/cm²
- Low pressure:0~350psi
-1~25kg/ cm²
- Vacuum:0~76 in/Hg

16/26.0/27.0/3.9'

1625g

■ Aluminum 4-way R134a Auto A/C manifold 80mm gauge set (with 60" hose 1/4" SAE and 2 couplers)

9G4108



- R134a 4 way sight glass manifold with three 60" 1/4" SAE color-coded hoses and 2 couplers.
- With sight glasses.
- High pressure:0~500psi
0~35kg/cm²
- Low pressure:0~350psi
-1~25kg/ cm²
- Vacuum:0~76 in/Hg

8/24.0/26.0/4.85'

3000g

■ Aluminum 4-way R410 A/C & refrigeration manifold 80mm gauge set (with 60" hose 1/4" SAE

9G4107



- R134a 4 way sight glass manifold with three 60" 1/4" SAE color-coded hoses.
- With sight glasses.
- High pressure: 0~500psi
0~35kg/cm²
- Low pressure: 0~350psi
-1~25kg/cm²
- Vacuum: 0~76 in/Hg

8/23.027.0/4.85'

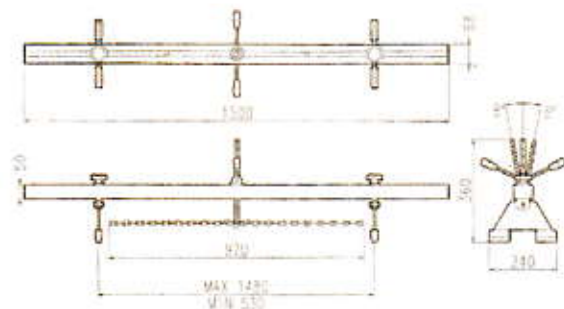
2875g

■ Transverse engine supports - for General engines

9G0612



- Straddling the inner fender walls and acting as a bridge to support engines.
- Adjustable in height and width to bridge various vehicle fender walls and securely hold engine in place.
- Including slide bolt that can be positioned anywhere on the bar for the best weight distribution.
- Capacity: 500 kg



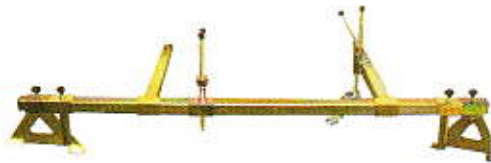
1/11.5/13.1/1'

11.5kg



■ **Transverse engine supports - for general engines and bigger engines, multi-way**

9G0613



- Total length of middle part 1510mm, width 40x40mm



1/15.5/17.0/1.1'

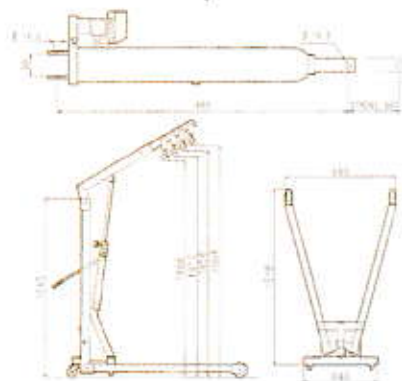
15.5kg

■ **Engine crane 1 ton**

9G0615



- Four position telescopic boom with forged steel grab hook.
- Quick foldable legs save shop space and prepare crane for transportation or storage within seconds.
- Four full swivel casters provide easy manoeuvring and positioning.
- New 5 ton capacity long stroke ram is designed with swivel handle to provide fast engine removal and replacement from any direction.
- Capacity: 1000 kg



1/91.0/106.0/14.0'

91kg

Terminal test kit

919C1



- Terminals include Weather-Pack, Metri-Pack, and Micro-Pack style terminals.
- Use this tester to check high and low voltages (power and ground) on 6~ 24 Volt system.
- Contents:
 1pc Circuit Tester, wire length 12 ft.
 14pc terminal adapter kit,
 1pc Banana socket,
 1pc Testing needle,
 2pc Alligator.

20/13.0/14.0/1.62' 650g

Telecrimper

68012



- Cuts, strips & crimps integral in one tool.
- With build-in length stop for precisely length stripping.
- 2 crimp functions with a single tool without changing dies.
- Advanced ratchet system.
- Precision CNC grounded crimping teeth.
- Crimp RJ45 & RJ11 Modular plugs.



48/19.0/20.0/1.5' 400g

17pc Insulated socket set

3173N



- 14-12pt socket
 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
- 2-Extension 150, 250 mm
- 1-Ratchet handle

10/21.0/21.8/1.8' 2100g





■ 3/8" DR. Insulated torque wrench

6473268N

• 6473268N:3/8"DR.5-25Nm



 12/20.4/21.2/1.12'  1700g

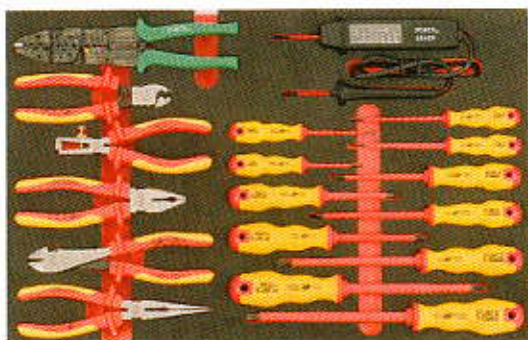
■ 31pc 3/8" DR. Insulated combination set

3313



Contents:

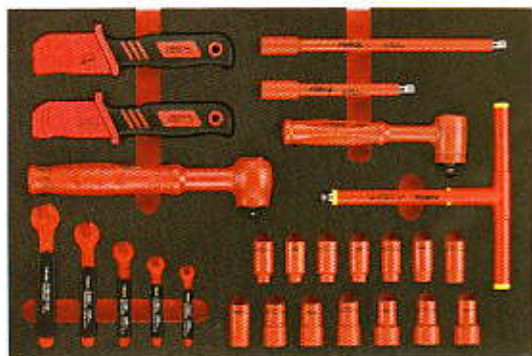
- 12pt. Flank insulated socket
6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
- Insulated combination wrench
7; 8; 10; 12; 14 mm
- Insulated extension 150, 250 mm
- Insulated ratchet handle
- Screwdriver probe voltage tester 110~250V AC
- Insulated combination pliers 7"
- Insulated long nose pliers 6"
- Insulated diagonal cutting pliers 6"
- Insulated Phillips screwdriver PH.1(80mmL); PH.2(100mmL)
- Insulated Slotted screwdriver 2.5(75mmL); 4(100mmL); 5.5(125mmL)



2182

18pc Insulated screwdriver & pliers set

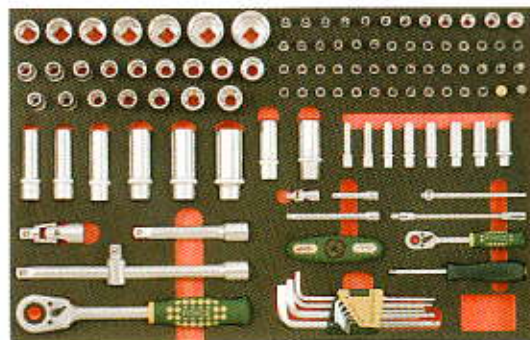
- ◆ Insulated Phillips screwdriver
PH.0(60mmL); PH.1(80mmL); PH.2(100mmL); PH.3(150mmL)
- ◆ Insulated slotted screwdriver
2.5mm(75mmL); 3mm(100mmL); 3.5mm(100mmL);
4mm(100mmL); 5.5mm(125mmL); 6.5mm(150mmL);
8mm(175mmL)
- ◆ Insulated combination pliers 7"
- ◆ Insulated long nose pliers 8"
- ◆ Insulated diagonal pliers 8"
- ◆ Insulated wire stripper pliers 6"
- ◆ Insulated cable cutter 6"
- ◆ Multi-purpose crimping tool
- ◆ Universal voltage tester Testing range: 6-400V AC/DC



3262

18pc Insulated screwdriver & pliers set

- 26pc 3/8" DR. Insulated socket set
- Contents:
- ◆ 12pt. Flank insulated socket
6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19 mm
 - ◆ Insulated combination wrench
7; 8; 10; 12; 14 mm
 - ◆ Insulated extension 150, 250 mm
 - ◆ Insulated ratchet handle
 - ◆ Insulated T-handle
 - ◆ Insulated torque wrench 5-25 Nm
 - ◆ Insulated cable knife (straight)
 - ◆ Insulated cable knife (curve)



41161

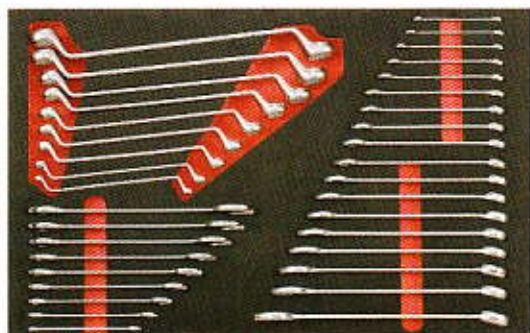
116pc 1/4" & 1/2" DR. Socket set

- Contents: 1/4" & 3/8" & 1/2" DR.
- ◆ 1/4" part
 - ◆ 6pt. Flank socket
4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
 - ◆ 6pt. Flank deep socket (50mmL)
6; 7; 8; 9; 10; 11; 12; 13 mm
 - ◆ Star socket E4; E5; E6; E7; E8; E10
 - ◆ Socket bit (32mmL)
 - ◆ Phillips PH.0; PH.1; PH.2; PH.3
 - ◆ Pozidriv PZ.0; PZ.1; PZ.2; PZ.3
 - ◆ Slotted 3; 4; 5.5; 6.5 mm
 - ◆ Hex 3; 4; 5; 6; 7; 8; 10 mm
 - ◆ Star T8; T10; T15; T20; T25; T27; T30; T40
 - ◆ Star tamper T-8H; T-10H; T-15H; T-20H;
T-25H; T-27H; T-30H; T-40H
 - ◆ 20 teeth ratchet handle
 - ◆ 48 teeth T mini ratchet handle
 - ◆ Sliding T handle
 - ◆ Extension 2" & 4"
 - ◆ Flexible extension 145mmL
 - ◆ Spinner
 - ◆ Universal joint
 - ◆ Magnetic socket pick-up
 - ◆ 1/2" part
 - ◆ 6pt. Flank socket
10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24; 27; 30; 32 mm
 - ◆ 6pt. Flank deep socket
14; 15; 17; 19; 22; 24 mm
 - ◆ Star socket
E12; E14; E16; E18; E20; E22; E24
 - ◆ 36 teeth ratchet handle
 - ◆ Extension 5" & 10"
 - ◆ Universal joint
 - ◆ Adaptor for ext. 3/8"(F)x1/2"(M)
 - ◆ Spark plug socket 16; 20.6mm
 - ◆ Others:
 - Hex ball point long key
1.27; 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10mm

10217A-266

10217B-266

10217R-266



5363

36pc Automotive essential wrench set

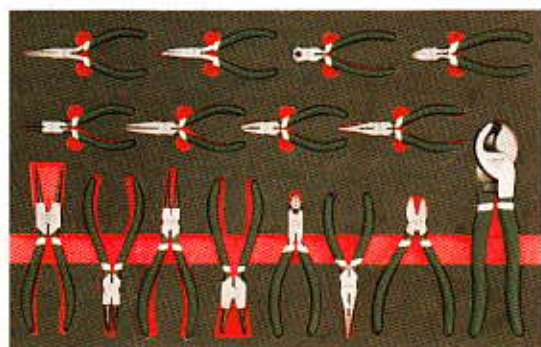
- Double open end wrench
6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19; 20x22; 21x23 mm
- Combination wrench
6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm
- 75° offset ring wrench
6x7; 8x9; 10x11; 12x13; 14x15; 16x17; 18x19; 20x22; 21x23 mm



5212

21pc Utility set

- Utility knife (3pcs blade incl.)
- 5m measuring tape
- Chisel 12mm (150mmL)
- Ribbed chisel 21mm (150mmL); 26mm (200mmL)
- Cape chisel (150mmL)
- Pin punch 2mm (140mmL); 3mm (150mmL); 4mm (190mmL); 5mm (200mmL); 6mm (210mmL); 8mm (215mmL)
- Tape punch 3mm (185mmL)
- Center pinch 4 (185mmL)
- Engineer hammer 300gw
- Rubber hammer 400gw
- 3-in-1 Magnetic flexible pickup tool
- 26 sizes Feeler gauges (SAE & Metric)
- LED white light, clip-type (360° rotation)
- Technician's scissors 145mmL
- Gasket scraper



51610

16pc Pliers set

- Round nose pliers 5"
- Flat nose pliers 5"
- Combination pliers 5"
- Long nose pliers 5"
- Needle nose pliers 6"
- Bent nose pliers 6"
- Cutter pliers 6"
- Diagonal pliers 6"
- Circlip pliers
- External straight tip 1.8mm for opening
- Internal straight tip 1.8mm for closing
- External 90° Bent tip 1.8mm for opening
- Internal 90° bent tip 1.8mm for closing
- 4-in-1 Electrical pliers 6"
- Diagonal cutting pliers 6"
- Cable cutter 10"
- Plastic cutting pliers 6"



4341

34pc 1/2" DR. Impact socket & Wheel nut tools

- 6pt. Flank impact socket
 - 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 23; 24 mm
- 6pt. Flank impact deep socket
 - 10; 12; 13; 14; 16; 17; 19; 21; 22; 24 mm
- Wheel nut 6pt. Flank impact socket (colored)
 - 17; 19; 21; 22 mm
- Impact wrench
- Impact extension 5"
- Universal joint (ball type)
- 1/2" Torque wrench
- Foldable cross-handle socket wrench
 - 17; 19; 21; 1/2" square (16"L; 400mmL)
- Wheel balancing weight tool

■ Universal caliper piston remover

907T3



- Quick change design for 3 sizes of adapter
- Rang from 25mm to 35 mm
- Adapter a. range from 35mm to 45mm.
- Adapter b. range from 45mm to 55mm.
- You can easily take out the piston with assistant handle.



18/18.0/19.0/1.8' Δ 1000g

■ Brake spring washer pliers

9B0107



- Universal application for nearly all drum brakes.
- Special neck angle provides easy removal and installation of brake spring washer.
- Length:180.5mm.
- Heat treatment:HRC43°~46°.
- Max Angle:50°.



40/10.0/11.0/1.05' Δ 250g

■ Brake spring tool

9B0108



- Universal application of both removal and installation for nearly all drum brakes.
- Wide angle application.
- Length:310mm.
- Heat treatment:HRC42°~45°.



20/9.5/10.5/2.0' Δ 375g

187

3-24

Brake fluid tester

88502



- To check the quality of brake fluid.
- 5 LED to indicate percentage of water in the brake fluid.
- LED display:

Green: Battery KO/NO water is detected.

Green/Yellow: Less than 1% of water.

Green/Yellow/Yellow: Approx 2% of water.

Green/Yellow/Yellow/Red: Approx 3% of water.

Green/Yellow/Yellow/Red/Red: At least 4% of water.



100/7.0/8.0/1.5'

70g

5pc 1/2"DR. Drive tooth socket for Mercedes

905T7



- Tooth socket for Mercedes Benz axle drive flange.

ID	Length	Tooth width	Usage
905T7-A	70 mm	8 mm	Mercedes Gearbox.
905T7-B	70 mm	6 mm	Mercedes Differential flange.
905T7-C	70 mm	6 mm	Mercedes G-class(W460/W461/W463) Front Axle-wheel bearing.
905T7-D	70 mm	6 mm	Mercedes W114,W115,W116 Models with constant velocity joint axles.
905T7-E	80 mm	8 mm	Mercedes W116,W123,W126 Rear Axle drive flange.

10/17.0/18.0/1.5'

1700g

Multi-steering knuckle spreader tool kit

912T3



- Spreads the steering knuckle.
- This enables the removal and refitting of the shock absorbers without the risk of damaging to the aluminum or cast iron knuckle.
- Fully adjustable and is suitable for steering knuckles with either a centralized or eccentric slot.
- Wide range of vehicle applications.



12/13.0/14.0/1.0'

1083g

■ 1/2" DR. BENZ (W163/W164) Pin wrench socket

62820



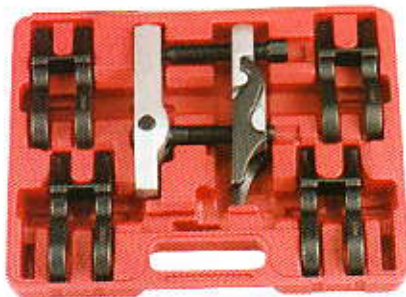
- Used for Secure the retaining ring during R&R of ball joints.
- Application: MERCEDES-BENZ M-CLASS (W163/W164) lower ball joint of front & rear axles.

48/14.0/15.0/0.3' 291g



■ Quick-change ball joint remover

905T8



- Innovative quick change and simple action for suitable fork.
- Enable operator to select correct jaw size without taking entire extractor to the vehicle.
- Adjustable opening angle.
- Jaw opening: 20, 22, 24, 27, 30 mm.
- Thrust Screw Length: 100 mm.
- Pivot Rod Length: 125 mm.



3/18.0/19.0/1.0' 6000g

■ Inner tie rod tool set

904T7



- The tool set allows a quick and easy removal and replacement of the inner steering ball joint without the need to dismantle steering rack from the bulkhead.
- Drive head range: diameter ϕ 30-35mm, ϕ 35-40mm, ϕ 40-45mm.
- The tool allows quick and easy replacement of the inner ball joint on the steering rack.
- Removal of the rack from the bulkhead is not necessary.




4/20.0/21.0/1.3' 5000g

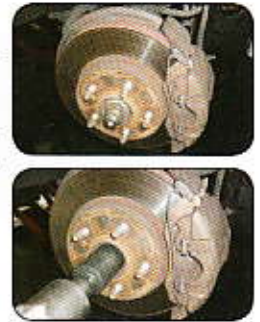




■ **9pc 1/2"DR. Drive shaft socket**

40912



- 1/2"Dr. 14,17,19 mm Hex
H14:VW Passat 1996-2001, Audi A4; front and rear axle bolts (AWD).
- H17:1998-2005 VW Passat, 1999-2004 Audi A6, 2002-2005 Audi A4; front and rear axle bolts (AWD).
- H19:VW T4,T5,Skoda Fabia.
- 1/2"Dr. 12pt 27,30,32,34,35,36 mm 
- 27mm:Ford Powerstroke;Volvo 480 etc.
- 30mm:For BMW E36, E46; Citroen Saxo;Ford Galaxy; Mercedes W123, W124,W126, W129, W201, W203, W211; Opel Astra F, Astra G; Renault Scenic, Clio, Kangoo; Toyota Avensis, Picnic; VW Golf III, Golf IV, Lupo, Touareg, T5 etc.
- 32mm:For Fiat Punto; Ford Escort, Mondeo; Mercedes W140; Nissan Almera; Opel Astra H, Vivaro;Subaru Outback etc.
- 34mm:GM Motors.
- 35mm:MADZA.
- 36mm:For Audi; BMW E36, E39, X5; Ford Transit; Seat Ibiza, Cordoba; Nissan Primera; VW Polo, Golf V,Touareg etc.



 6/22.7/23.7/2.6"  3790g



■ **21pc Compact wheel hub/bearing kit , Ø 62mm,Ø 66mm, Ø 72mm**

921T1



- Professional fitting direct on the vehicle (removal with existing wheel hub extractor or universal sliding hammer).
- Minimum working effort - high time saving.
- Simple and safe handling.
- Can also be optionally used with a workshop press.
- Possible extensions for bearing unit Ø 62+66+72 mm due to the modular system
- Application:Audi A2 , Audi A2 1.2L , VW LUPO , VW Polo FOX , Seat Ibiza , Skoda Fabia



 1/12.6/13.8/1.0"  12600g

VW Automatic transmissions socket

9T0205



- Used for loosening and tightening the nut on the drive shaft.
- M6-speed manual gearbox 0A3, 4-wheel drive.
- Application: Only for VW

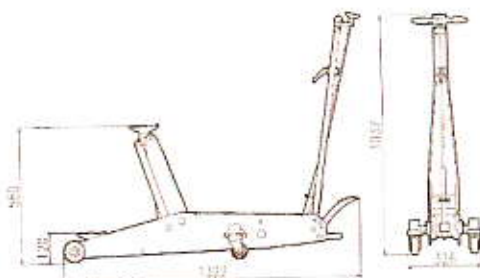
20/20.0/21.0/0.44' 1000g

Service jack 3 Ton

9U3921



- Ideally suited for all automotive, agriculture and light truck repair facilities.
- Pump is operated by both activating foot pedal to provide speed to contact the load, and activating "T" handle to lift it.
- Hydraulic power unit with dust seals to prevent oil contamination.
- Large heavy duty rear swivel caster wheels provide easy maneuvering and positioning of jack.



1/67.0/71.0/4.6' 67000g

Jack stands

9U39...

- These models incorporate a lever and ratchet assembly for adjusting the height.
- Same as Model 9U3902 but these models are newly designed with rubber pads which can prevent the auto body from damage.



Part No.	Capacity (ton)	Height range (mm)	Base Size (mm)	Packing	g
9U3901	3 ton	270-420	177 x 194	1/6.0/6.6/0.66'	6000
9U3902	3 ton	290-440	177 x 194	1/6.6/7.2/0.66'	6600

Jack stands

9U39...

- These models are designed for use with trucks, height adjustment is made using the knurled nut and threaded stud.



Part No.	Capacity (ton)	Height range (mm)	Base Size (mm)	Packing	g
9U3903	12 ton	456-710	φ467	1/18.5/19.5/0.7'	18500
9U3904	12 ton	614-868	φ590	1/21.0/22.0/1.0	21000
9U3905	12 ton	710-1065	φ670	1/25.0/26.0/1.0	25000



5pc Wiper arm puller set

905M5



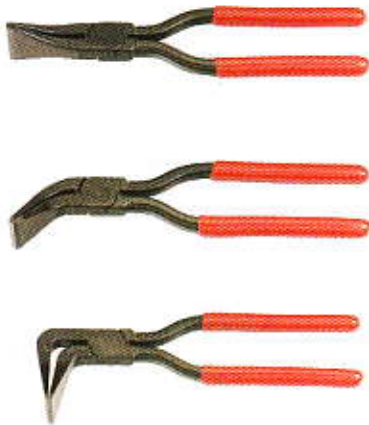
- Universal applications
- Provide 4 adjustable removers & one high versatility puller fits nearly all difficult wiper arm removing works.



 10/11.7/12.7/1.27  1170g

Sheet metal bending pliers

9M0301 / 9M0302 / 9M0303



- Easy to do the automobile body work



Part No.	Description	Length	Packing	g
9M0301	Straight	280mm (11")	30/19.5/20.5/1.3'	650
9M0302	45 Degrees	280mm (11")	30//19.5/20.5/1.3'	650
9M0303	90 Degrees	280mm (11")	30/24.0/25.0/1.4'	800

Auto body repair pull clamp (tight opening)

62529



- New design tight opening clamp.
- Single direction action.
- Capacity: 3 tons.
- Jaw open: 35 mm.

 10/12.0/13.0/0.59'  1200g





3 in 1 Super duty orbital air sander

82603



- Machine description: 3 in 1
- Paper size: 6" (152 mm)
- Free speed: 10000 R.P.M
- Orbit option: 5.0 mm
- Overall length: 8 55/64" (225 mm)
- Air inlet: 1/4 PT
- Air hose: 3/8 I.D
- Avg. air consumption: 13 cfm (368 L/min)
- Net weight: 1.69 Lbs (0.768 kgs)

 12/9.0/13.0/2.5"

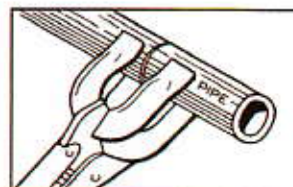
 815g

Welder's Flat Grip Wrench

65203



- Especially for the pipe welding.
- Length : 11" / 270mm



IVECO Axle nut socket 110mm

9T1405



- Six sided drive H 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Special steel.
- Application range: Iveco Eurotech Cursor HA, etc.

SW mm	H mm	Outer φ mm	L mm
110	36.0	134.0	118.0

8/19.0/20.0/1.37' 2375g

IVECO Axle nut socket 98 mm

9T1406



- Six sided drive H 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Special steel.
- Application range: Iveco Euro Cargo, etc.

SW mm	H mm	Outer φ mm	L mm
98.0	36.0	122.0	117.0

8/18.0/19.0/1.37' 2250g

BENZ Axle nut socket 95mm

9T1407



- Six sided drive H 36.
- Positive drive of the axle nut.
- Any extensive slipping is avoided.
- Milled out profile.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Special steel.
- Application range: Mercedes Benz axle trailers.

SW mm	H mm	Outer φ mm	L mm
95.0	36.0	118.0	157.0

8/21.0/22.0/1.42' 2625g



■ BENZ Rear axle nut socket 105-125 mm

9T1408



- Rigid locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range: Mercedes Benz Actros rear axle, HL/HL 8 (Hypoid), etc.

Inner φ mm	Outer φ mm	L mm	Stud φ mm	Stud	Stud width mm
105.0	125.0	180.0	116.0	6	10.0

6/17.8/18.8/0.9'

2965g

■ BENZ & MAN Rear axle nut socket 80-95 mm

9T1426



- Rigid locating tube.
- Optional with expander sleeve (bayonet locking system).
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range: Mercedes Benz Atego Rear axle, Vitaro 814, MAN, etc.

Inner φ mm	Outer φ mm	L mm	Stud φ mm	Stud	Locating tube φ mm	Stud width mm
80.0	95.0	175.0	87.0	6	49.0	10.0

12/19.6/20.6/1.1'

1630g

■ Benz & Man Rear axle nut socket 95-115 mm

9T1427



- Optional with sleeve Locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range: Mercedes Benz und MAN 10+13t Reduction axle, Hypoid-and Trailer axle NR7/4, Omnibus 0305G + 0405G, etc.

Inner φ mm	Outer φ mm	L mm	Stud φ mm	Stud	Stud width mm
95.0	115.0	110.0	101.0	6	11.5

8/23.0/24.0/0.7'

2875g

■ BENZ & MAN Clamp nut socket 56 mm

9T1424



- For professional loosening and tightening.
- Extremely versatile.
- 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.
- Special steel.
- Application range: DAF, MAN trucks / BENZ trucks / BENZ buses / KASSBOHRER / SETRA.

SW mm	DR.	H mm
56.0	3/4"	53.0

20/18.5/19.5/0.36' 925g

■ BENZ & MAN Clamp nut socket 60 mm

9T1425



- For professional loosening and tightening.
- Extremely versatile.
- 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.
- Special steel.
- Application range: BENZ SK, Actros / MAN 9 tons strengthen / DAF / KASSBOHERE / SETRA

SW mm	DR.	H mm
60.0	3/4"	53.0

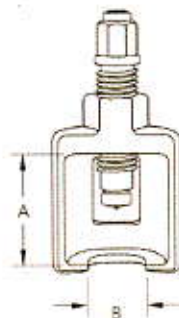
20/16.3/17.3/0.36' 815g

■ 3/4" DR. BENZ & MAN Pitman arm puller 42mm

6281842



- Pressure pieces in the spindle rotating mounted.
- Save time and labor.
- No need to destroy the pitman arm.
- Cast forged execution.
- Special steel.
- Size: 3/4" DR. 63(A) x 42(B) mm
- Application: Benz Actros & MAN 414



6/22.0/23.0/0.45' 3666g

MAN TGA Drive axle nut socket 133-145mm

9T1410



- Six sided drive H 60.
- Optional with sleeve Locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range: MAN TGA 460drive axle, V9-82L-01(Disk brake/ABS), etc.

Inner ψmm	Outer ψmm	L mm	Stud ψmm	Stud	Stud width mm
133.0	147.0	160.0	118.0	6	12.0

4/18.6/19.6/0.75° 4650g

MAN TGA Front axle nut socket 133-145mm

9T1409



- Six sided drive H 60.
- Optional with sleeve Locating tube.
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range: MAN TGA Front axle, V9-82L-01(Disk brake/ABS), etc.

Inner ψmm	Outer ψmm	L mm	Stud ψmm	Stud	Stud width mm
133.0	145.0	110.0	118.0	6	12.0

4/15.3/16.3/0.3° 3825g

MAN TGA Front axle nut socket 101-110mm

9T1411



- Six sided drive H 60
- High accuracy of fit.
- Extremely robust execution.
- Suitable for high tightening and loosening torque.
- Special steel.
- Application range: MAN TGA Front axle, V9-82L-01 (Disk brake/ABS),etc.

Inner ψmm	Outer ψmm	L mm	Stud ψmm	Stud	Stud width mm
101.0	110.0	80.0	93.0	6	7.2

8/21.5/22.5/0.4° 2687g

MAN truck transmission socket 53.5mm

9T1412



- This special socket removes.
- Transmission nut on MAN trucks.

Inner φmm	Outer φmm	L mm	DR.	Stud mm
53.5	72.0	75.0	3/4"	4

12/16.8/17.8/0.35° 1400g

MAN Front wheel hub extractor tool 115mm

9T1429



- The tool used to remove the front wheel hub.
- Use this axle with spanner spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M115*P1.5
- Application: MAN truck

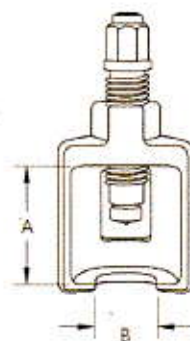
4/16.0/17.0/1.1° 4000g

3/4" DR. MAN Pitman arm puller 67mm

6281867



- The tool is designed for extracting pitman arm MAN.
- It's different from traditional puller that prevent pitman arm from damage.
- Use H6.70mm socket to remove the fixed nut on pitman arm before using this tool.
- Cast forged execution.
- Special steel.
- Size: 3/4" DR. 75(A) x 67(B) mm
- Application: MAN Tractor Trailer FE410A/FE414.



4/18.4/19.4/0.45° 4600g





■ 3/4" DR. MAN Star impact socket for HGV Cylinder head bolt (E18 , E20 , E24)

466110



- Size : E18 , E20, E24
- 3/4" DR. 110mm.
- For HGV cylinder head bolts.

Part no.	 Size	<i>l</i> mm	 g	Applications
46611018	E18	110 mm	520	For MAN commercial vehicles M2000 and MAN buses with D08 engines.
46611020	E20	110 mm	540	For MAN commercial vehicles F2000 , F90 , F8 and MAN buses with D25 and D28 engines.
46611024	E24	110 mm	591	For MAN commercial vehicles with D20 engines.



■ BPW Rear hubcap nut socket 111mm

9T1417



- 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 extracting the rear axle cover.
- Male Hex Drive: 1-5/8" (41mm)
- Size: 4-3/8" (111mm) Across the flats.
- Application range: BPW 12 tons

Inner mm	Outer φ mm	L mm	H mm
111.0	132.0	94.0	41.0



 6/17.0/18.0/0.6'  2833g

■ BPW Rear hubcap nut socket 95mm

9T1420



- For extracting the rear axle cover.
- Application: BPW 6.5-9 tons truck.

 6/15.0/16.0/0.6'  2500g

BPW Rear hubcap nut socket 120mm

9T1416



- 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.
- Male hex drive: 1-5/8" (41mm)
- Size: 4-3/4" (120mm) 8 Point opening
- Application range: BPW former 16 tons

Inner mm	Outer φ mm	L mm	H mm
120.0	143.0	95.0	41.0

6/18.0/19.0/0.6' 3000g

BPW Rear hubcap nut socket 109mm

9T1418



- 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: 1-5/8" (41mm)
- Size: 4-5/16" (109mm) 8 Point opening
- Special steel
- Application range: BPW 12 tons

Inner mm	Outer φ mm	L mm	H mm
109.0	129.0	94.0	41.0

6/15.0/16.0/0.6' 2500g

BPW Axle nut socket 65mm

9T1419



- For the dismantling and assembly of BPW axle nuts
- Extremely versatile
- Flat oval form
- Suitable for exact torque with a 3/4" square drive
- For machinery usage
- Special steel
- Application range: 6.5 tons~9 tons trucks

Inner mm	Outer φ mm	L mm	H mm
65.0	82.0	66.0	36.0

4/15.5/16.5/0.5' 3875g





■ BPW Axle extractor 135mm

9T1430



- Use this axle with spanner spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M135*P2.0.
- Application: BPW ECO 10-12 tons old model.

 2/13.5/14.5/0.6'

 6750g


■ BPW Axle extractor 136mm

9T1431



- Use this axle with spanner spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M136*P2.5.
- Application: BPW ECO Plus 8-12 tons, BPW ECO 10 tons new model.

 2/13.5/14.5/0.6'


 6750g


■ BPW Axle extractor 155mm

9T1432



- Use this axle with spanner spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M155*P3.0.
- Application: For former model of 16 tons truck.

 2/13.5/14.5/0.6'

 6750g

BPW Axle extractor 125mm

9T1433



- Use this axle with spanner spin the screw.
- Extremely robust execution.
- Flat oval form.
- European truck repair tool.
- Special steel.
- Specification: M125*P2.0.
- Application: For former 12 tons trailer.

 4/16.0/17.0/1.1'

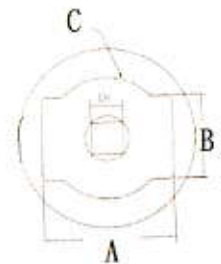
 4000g

3/4" DR. Wheel capsule and axle nut socket

9T1435..



- For clean , easy loosening and tightening of flat oval wheel capsules and axle nuts for BPW axles..
- For the dismantling and assembly of grease capsule on BPW axles.



Part no.	A mm	B mm	C mm	DR.	g	packing
9T1435A	65	40	60	3/4"	1000	16/16.0/17.0/0.65'
9T1435B	80	50	72	3/4"	1187	16/19.0/20.0/0.65'
9T1435C	85	50	80	3/4"	1062	16/17.0/18.0/0.65'
9T1435D	95	40	68	3/4"	1583	12/19.0/20.0/1.2'
9T1435E	110	45	107	3/4"	2000	10/20.0/21.0/1.0'
9T1435F	120	48.5	115	3/4"	2500	8/20.0/21.01.1'

SCANIA Front wheel nut socket 80mm

9T1422

- This eight sided 80mm socket is specifically for front wheel nut sockets on SCANIA trucks.
- SCANIA front wheel nut socket.

Inner ψmm	Outer ψmm	L mm	H mm
80.0	100.0	102.0	41.0

 12/21.6/22.6/0.65'

 1800g



■ SCANIA Front wheel nut socket 100mm

9T1423



- Control the nut with slide rod to adjust bearing.
- This eight sided 100mm socket is specifically for rear wheel nut sockets on Scania trucks.

Inner mm	Outer ψ mm	L mm	DR.
100.0	123.0	84.0	3/4"

6/17.0/18.0/0.5' 2833g

■ SCANIA Transmission clutch front main shaft socket

9T1421



- This special socket removes.
- European truck repair tool.

Inner ψ mm	L mm	Stud mm	Stud	Stud width mm	DR.
80.8	76.1	72.5	4	6.75	3/4"

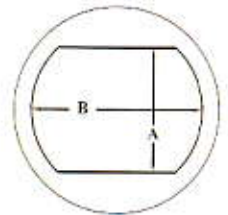
10/18.5/19.5/0.8' 1850g

■ 3/4" DR. SCANIA Front wheel shock absorber spring socket

9T1436



- To apply for SCANIA front wheel shock absorber spring screws remove / install.
- European truck repair tool.
- Size: 3/4" DR. 28.5(A) x 37.4(B) mm
- Application: SCANIA



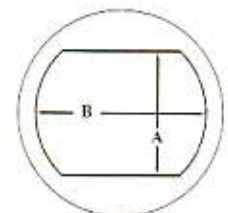
36/16.0/17.0/1.3' 444g

■ 3/4" DR. SCANIA Rear axles damper rod socket

9T1437



- To apply for SCANIA rear axles damper rod screws remove / install.
- European truck repair tool.
- Size: 3/4" DR. 34.5(A) x 47.5(B) mm
- Application: SCANIA



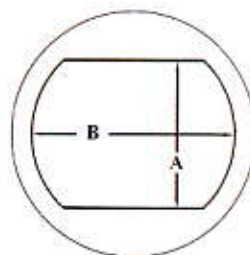
24/15.0/16.0/1.0' 625g

■ **3/4" DR. SCANIA Rear wheel shock absorber spring socket**

9T1438



- To apply for SCANIA front wheel shock absorber spring screws remove / install.
- European truck repair tool.
- Size: 3/4" DR. 34.5(A) x 56(B) mm
- Application: SCANIA



📦 24/15.0/16.0/1.0' ⚖️ 625g

■ **3/4" DR. SCANIA pitman arm puller 58mm**

6281858



- To use on pitman arm of European trucks. No need to destroy the pitman arm.
- Cast forged execution.
- Special steel.
- Size: 3/4" DR. 75(A) x 58(B) mm
- Application: European Truck. Such as SCANIA.



📦 4/18.4/19.4/0.45' ⚖️ 4600g

■ **3/4" DR. SCANIA Star impact socket (E28)**

46611028

- To remove and install the bolt of crankshaft bearing cap.
- Applicable: SCANIA Ti engine.



Part no.	Size	l mm	g	Applications
46611028	E28	110 mm	588	For SCANIA Ti engine.





■ Calliper adjuster socket 24mm

9T1439



- Size:H24 , 5 teeth , 46mm/L..
- Barreled round shape.
- Material:SCM440.
- Application:Most of European trucks. Such as SCANIA, VOLVO... etc.

 100/17.0/18.0/2.0'  170g

■ Axle nut socket 140mm

9T1428



- Positive drive of the axle nut.
- Robust execution.
- Can be used with an impact wrench or torque wrench.
- Ideally suited for brake restoration working.
- Forward tension with SW 32mm is at 150 N-m.
- Angle of rotation 20-30 with SW 46.
- Special steel.
- Application range: SAF Euro axle, etc

Inner mm	L mm	H mm
140.0	135.0	32 ~ 46

 4/17.5/18.5/1.36'  4375g



■ Sleeve locating tube 60-67 mm

9T1413



- Practical connector system with fixing screw.
- Usably for different groove socket nuts(module systems).
- Enables stable work position.
- Prevents slippage of the socket.
- Extremely robust execution.
- Change through loosening of the grub screw on the hexagon.
- Special steel.

Inner φ mm	Outer φ mm	L mm
60.0	67.0	140.0

 20/16.6/17.6/0.77'  830g

■ Sleeve locating tube 54-60 mm

9T1414



- Practical connector system with fixing screw.
- Usably for different groove socket nuts(module systems).
- Enables stable work position.
- prevents slippage of the socket.
- Extremely robust execution.
- Change through loosening of the grub screw on the hexagon.
- Special steel.

Inner φ mm	Outer φ mm	L mm
54.0	60.0	140.0

20/13.8/14.8/0.77' 690g

■ Sleeve locating tube 46-52 mm

9T1415



- Practical connector system with fixing screw.
- Usably for different groove socket nuts(module systems).
- Enables stable work position.
- Prevents slippage of the socket.
- Extremely robust execution.
- Change through loosening of the grub screw on the hexagon.
- Special steel.

Inner φ mm	Outer φ mm	L mm
46.0	52.0	140.0

20/10.0/11.0/0.77' 500g

■ Pickup truck & bus ball Joint extractor 30mm

6281830



- For removing the truck rod end from the drag link.
- The best tool for removal light truck ball joint.
- Size:60(A) x 30(B) mm
- Application:All light trucks. Such as BMW (E39), Benz(W203/W210/W211/W220/W221), Mitsubishi Delica, Canter, Toyota Dyna



15/19.5/20.5/0.8' 1950g



■ Medium sized wagon ball Joint extractor 32mm

6281832



- The best tool for removal truck ball joint.
- No damage to ball joint and related parts.
- Size:92(A) x 32(B) mm
- Application:3.5 tons-8.8 tons trucks.

 8/22.6/23.6/0.8'

 2820g





■ Truck ball Joint extractor 39mm

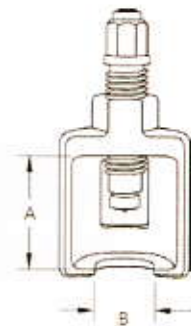
6281839



- The best tool for removal truck ball joint.
- No damage to ball joint and related parts.
- Size:60(A) x 39(B) mm
- Application:over 4 tons and European trucks .
HINO Special for MAN 414 drag link.

 8/27.2/28.2/1.2'

 3400g





■ 3/4" DR. Ball joint puller 47mm

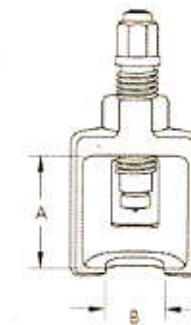
6281847



- Pressure pieces in the spindle rotating mounted.
- Spindle suitable for impact wrenches.
- Less space required.
- Cast forged execution.
- Special steel.
- Size:3/4" DR. 63(A) x 47(B) mm
- Application:HINO, ISUZU, UD, FUSO, 8.8 tons-10.5 tons truck.

 6/22.8/23.8/0.45'

 3800g



3/4" DR. Ball joint puller 62mm

6281862



- Pressure pieces in the spindle rotating mounted.
- Spindle suitable for impact wrenches.
- Put is on steering mechanism pitman arm, then take pitman arm apart.
- Cast forged execution.
- Special steel.
- Size: 3/4" DR, 75(A) x 62(B) mm
- Application: 15 tons~35 tons of HINO, ISUZU, NISSAN, FUSO truck and bus.



4/18.4/19.4/0.45'

4600g

Hydraulic HGV ball joint separator

903T2



- For separating HGV ball-joint. Strengthened fork and lever allows for greater force to be applied.
- Remove ball joints easily where space prevents use of direct action method.
- Jaw opening capacity 70 mm; Jaw width 36 mm.
- Patented Hydraulic ram provides max. 12 tons.
- SCM 440 material.

2/14.0/15.0/1.0'

7000g

11pc 3/4"DR. Truck wheel impact socket set

6113



- Content: 3/4" DR.
- 46190 17...21 2pc- Square impact deep socket 17; 21mm
- 46190 13,16 1pc- Square impact deep socket 13/16"
- 465100 33...41 4pc- 6pt. Flank impact deep socket 33; 35; 38; 41 mm
- 465100 1.1,16...1.1.2 4pc- 6pt. Flank impact deep socket 1-1/16; 1-1/8; 1-1/4"; 1-1/2"

3/27.5/28.5/1.5'



9150g



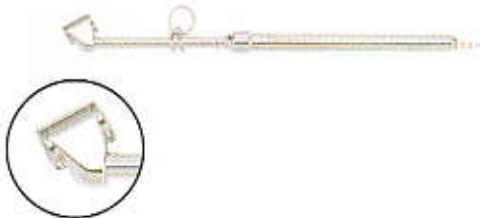
■ Double power lug wrench

681600



- Foldable-easy to carry and store.
- Sliding-increase power.
- Deep sockets.
- Sockets Size:24/27/32mm & 3/4"SQ.DR.
Length : 600 mm

 6/20.0/20.5/0.84' 3333g

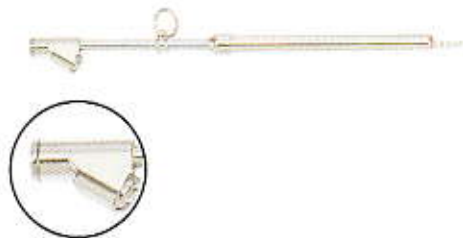
■ Dual head truck tire gauge

9T0405



- Measures from 10 to 150 PSI
- Accuracy: +/- 2PSI

 100/18.0/20.0/3.0' 180g

■ Dual head truck tire gauge (Straight-on)

9T0405B


- Measures from 10 to 150 PSI
- Accuracy: +/- 2PSI

 100/20.0/22.4/3.1' 200g

■ Truck brake spring pliers

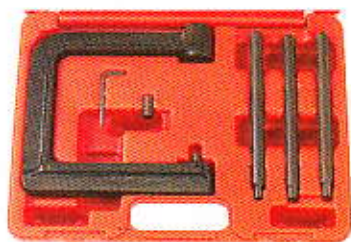
9B0103

- Designed to remove and replace springs of drum-type brakes.

 12/15.2/16.2/0.56' 1260g

6pc Car & truck brake riveter set

906B1



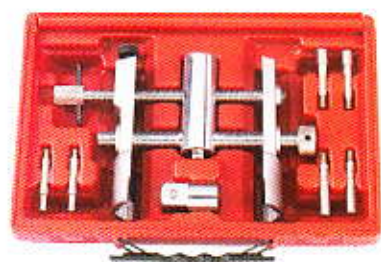
- Use in vice to rivet brake shoe linings on cars, trucks, tractors etc.
- Contents:
 - 2 x Roll punches 8mm & 11mm Dia.
 - 1 x Star punch.
 - 2 x Interchangeable anvils with hex key.



6/16.2/17.2/1.3' 2700g

8pc Adjustable wheel bearing lock nut wrench

908T1



- Adjustable jaws with locking feature to suit both hexagon & octagon wheel bearing lock nuts.
- Includes three sets of pins to suit lock nuts with pin holes.
- Capacity:
 - 6pt lock nuts: 1.3/4" to 5.1/4" (49-135mm) across the flats
 - 8pt lock nuts: 1.3/4" to 5.5/8" (49-143mm) across the flats
 - Pin diameters: 1/4" (6mm), 5/16" (8mm), 3/8" (10mm).



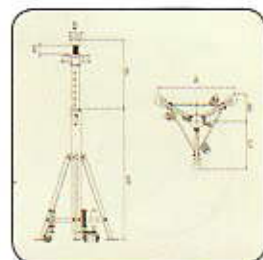
6/14.8/15.8/1.0' 2466g

Truck jack stands

9U39...



- The jack stands are of heavy-duty design and high strength legs for truck & bus support.
- 9U3911 & 9U3912 are designed with rubber pad which can prevent the truck & bus body from damage.



Item No.	Capacity (ton)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	W (kgw)	Packing	g
9U3911	6.8	803	235.5	445	127	0	540	870	47	1/43.5/46.0/3.27	43500
9U3912	6.8	803	235.5	445	127	70	670	1426.5	59	1/56.0/59.0/4.67	56000
9U3913	15	948.5	308.5	513	127	70	700	1389	98	2/196.0/211.0/58.3	98000



■ ISUZU Crankshaft rear oil seal installer

902K1



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

8/17.0/18.0/1.1'

2125g

■ 4pc Injector socket set

904K1



- For removal replacement of the pressure nut injector holder.
- Applicable: BENZ truck , MAN , NEOPLAN , SETRA , IVECO , SCANIA , RANAULT...etc.

18/19.0/19.5/1.3'

1055g

■ 4pc Diesel injector socket set

904G3



- 1/2" DR. socket for diesel injector removal and installation.
- Applicable: ALFA ROMEO, CHRYSLER, BMW, FORD, VW, MERCEDES, AUDI, OPEL, VAUXHALL, SEAT, VOLVO, ROVER also on VOLVO, MAN2.5TD & SCANIA HGVS.



Diameter	Description	Length	Proof torque
22 mm	injector socket (6 pt)	110 mm	215 N-m
22 mm	injector socket (12 pt)	75 mm	215 N-m
27 mm	injector socket (12 pt)	78 mm	390 N-m
28 mm	injector socket (12 pt)	78 mm	430 N-m

10/11.4/12.4/0.8'


1140g


■ Diesel injector puller

9G0114



- Assists removal of stubborn BOSCH and LUCAS Diesel injectors saves time and money when injectors are difficult to remove.
- With M8 / M12 / M14 adaptors
- Applicable: VOLVO, SCANIA.

 40/16.018.0/1.8'


 400g


■ Diesel injector seat cutter set

907G7



- This kit has been specially design for cleaning and re-cutting injector seats on modern common rail diesel engines.
- 15mm flat reamer for universal injector.
- 17mm flat reamer for DELPHI / BOSCH injectors (BMW / PSA / RENAULT / FORD)
- 19mm flat reamer for BOSCH injectors (MERCEDES CRD)
- 19mm angled reamer for FIAT / IVECO.
- T handle, Pilot post

 20/19.2/19.7/2.0'


 950g


■ Diesel engine nozzle tester & cleaner

905G13



- For all diesel engine cars & trucks.
- For Testing injection nozzle opening pressure, leakage spray pattern, Atomization & Chatter Characteristic & Cleaner.
- Pressure Gauge: 70mm.
- Pump: 11mm.
- Stroke: 20mm.
- Discharge Amount: 2.0 cc.
- Weight: 8 Kg.
- Simple & Easy to Operate by Hands.
- Follow New International Standard.
- Clean the Nozzle if used with 3M Cleaning Solution.
- Capacity: Gauge : 9000 PSI (640 KG/CM2)
- Adaptors: M-12 x P1.5, M-14 x P1.5, M-16 x P1.5

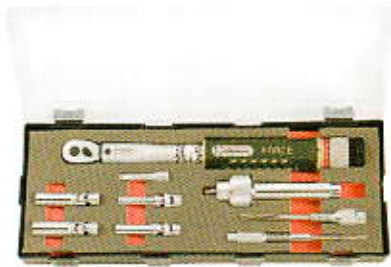
 2/16.0/17.0/1.27

 8000g



9pc Pre-heater plug tools

K909G4



- To ream out and clean the bore between the glow plug and precombustion chamber.
- Size: M12 x 1.25, M10, pre-heater plugs with 10mm across flats.
- Fasten the glow plug with the correct torque.
- 1/4" DR. Universal socket size: 8, 9, 10, 12 mm.

Thread Diameter	Tightening Torque
8 mm	8-15Nm(0.8-1.5Kgm)
9 mm	15-20Nm(1.5-2.0Kgm)
10 mm	15-20Nm(1.5-2.0Kgm)
12 mm	20-25Nm(2.0-2.5Kgm)

6/9.9/10.9/0.8'

1650g

Diesel compression tester

916G2



- 2-1/2" dial, glycerin filled gauge with glass lens in stainless steel housing 4,500 psi rated nylon jacketed pressure hose assembly.
- Dual scale 0-1,000 psi; Metric scale 0-70 bar. 13 piece adapter set (Deere & BMW adapters included).

3/15.9/16.9/1.5'

5180g

Piston ring pliers

62302



- Removes or installs piston rings easily and fast without risk of breakage or distortion.
- Capacity: 110mm-160mm pistons in diameter.

50/18.5/19.5/2.8'

420g




■ Self-gripping oil filter wrench

9B0704



- Removes all oil filters from 95-165 mm.
- Used with 1/2" square drive tools.

10/14.0/15.0/064'  1400g




■ Three-legged oil filter wrench

61913



- 3-leg, 1-way, fit 1/2" square drive
- Capacity 75 ~ 130mm (3" to 5-1/8")

24/24.0/25.0/1.1'  950g

■ Heavy-duty oil filter wrench

61905



- Wide steel bank designed to meet the high torque requirement of truck, bus, RV and heavy duty equipment filters.
- Used with 1/2" square drive tools.


Part no.	Packing	Capacity	g
61905120	36/24.8/25.8/3.0'	4-1/8" to 4-3/4" (105mm - 120mm)	690
61905135	36/25.2/26.2/3.0'	4-1/2" to 5-1/4" (115mm - 135mm)	700
61905145	36/25.6/26.6/3.0'	5" to 5-3/4" (125mm - 145mm)	700

■ Oil filter master pliers

639230



- These multi-purpose locking pliers will lock and grip oil filters or any irregular shaped object for quick positive tightening or removal.
- They can be adjusted and fastened for applications at any angle.
- Capacity: 2-1/8" to 4-1/2" (55mm to 120mm).
- Length: 230 mm.

40/19.5/20.5/1.7'  480g



■ Hand lubricator for gear oil

9T3611



- With reservoir capacity 25L.
- It is suitable for general lubricant and gear oil.
- 70c.c. / each cycle.
- Hose: 1/2" x 2M PVC yarn pipe.

1/7.0/9.0/2.0"

7000g

■ Hand lubricator for grease

9T3610



- With reservoir capacity 25L.
- It is suitable for general lubricant and grease.
- 4c.c. / each cycle
- Hose: 1/4" x 1W x 2M

1/7.0/9.0/2.0"

7000g

■ Lever type grease gun

88704



- Electric plated finish for long service life.
- Short stroke "lever action" for easy use.
- Vented head cap for easy filling.
- Used standard 14 oz. Grease cartridge.
- 3 ways loading: Standard 14 oz. Cartridge, pressure filler and bulk 400 c.c.

20/23.0/26.92.3"

1300g

10pcs Motorcycle flywheel drive puller set

909Y1



• Thread Sizes:

M14 x 1.5 Pitch, 85mm M16 x 1.5 Pitch,
85mm M18 x 1.5 Pitch, 85mm M19 x 1.0 Pitch,
65mm M20 x 1.0 Pitch, 65mm / M27 x 1.25 Pitch,
65mm M22 x 1.5 Pitch, 65mm / M26 x 1.5 Pitch,
65mm M28 x 1.5 Pitch, 65mm M26 x 1.0 Pitch, 65mm / M28 x 1.0
Pitch, 65mm M22 x 1.0 Pitch, 65mm / M25 x 1.5 Pitch,
65mm M24 x 1.0 Pitch, 65mm / M27 x 1.0 Pitch, 65mm.

• Application:

YAMAHA, SUZUKI, HONDA, BOSCH, DUCAN, GLERA,
SAM, CAGIVA, SFERA, KYMCO, MBK, PEUGEOT, KIMOO,
MOTOPLATT KAWASAKI, KOKUSAN, MINARELLI, DUCATI.



10/17.8/18.8/1.15' Δ 1780g

Clutch holding tool

9Y0101



- Made from medium carbon steel with hardened jaws
- Holds clutch hubs, flywheels, gears, sprockets, etc...
- Features spanner pins
- Jaws open to 5" wide



30/21.0/22.0/0.64' Δ 700g

Rotor and sprocket holder

9Y0111



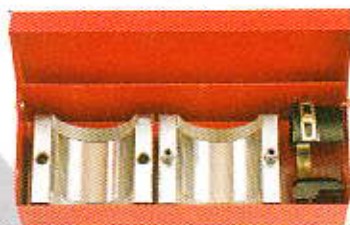
- Keeps flywheels, rotors and sprockets from rotating during removal and installation.
- Holds sprockets and rotors with holes center-to-center at a minimum distance of 1/2" (13mm) and a maximum distance of 9" (230mm).
- Features 5mm and 9mm pins.
- Adjustable stop-screw keeps tool open at set distance.



36/20.5/22.0/2.1' Δ 569g

Universal fork seal driver

903Y1



- Designed for easy installation of most fork seals.
- Works on either conventional or inverted forks.
- Unique adjustable insert will work on dia. 26 to 45mm.



20/22.0/23.0/0.7' Δ 2200g





Motorcycle fork cap wrench (46x50)

9Y0121



- For removing the fork caps on late-model RMs & CRs
- Can be used for removal of a compression stack on late-model RMs
- Replaces Suzuki OEM 09941-53630
- One end is 46mm, the other is 50mm
- Also fits 2010 Honda CRF250R





 48/13.5/14.5/0.7'  281g

Angle driver for motorcycle carburetor

910Y1



- Deep access tool particularly suited to adjustment of motorcycle carburetor.
- One turn of handle equals one turn of blade.
- 90° and straight gear-boxes.
- Supplied with set of driver bits.

 12/11.0/12.0/2.1'  916g



Carburetor synchronize tool set

919G2



- For testing fuel pump carburetor and transmission check auto with 2~4pc carburetors.
- Gauge: Pressure: 0~15 PSI:0~1 kg/cm²
Vocuum: 0~28 in-Hg (0~70 cm-Hg)
- Contents: 4 pc 3-1/2" Synchronizer gauges with fixed plate
4pc Rubber hose 8 X 5 X 750mm
4pc Extension tube 3.9 X 52mm
4pc Extension tube 3.9 X 122mm
8pc Cone type connector 8 X 40mm
4pc Adapters 10 X 53mm (M6 X 0.75)
4pc Adapters 10 X 60mm (M6 X 1.0)



 6/20.0/21.0/2.25'  3330g

Chain link pliers

9Y0131



- Designed to simplify installation or removal of clip-type master chain links.



 48/16.9/7.9/2.3'  143g

Chain puller tool

9Y0132



- This chain puller is made for work on drive chains found on motorcycles and all-terrain vehicles (ATVs).
- Tightening the forcing screw pulls the jaws together to hold the chain for easy removal or installation of the chain connector or master link.



48/12.0/13.0/2.3' 252g

Motorcycle chain brush

9Y0133



- Composite, angled chain brush features adjustable brush adaptors to fit various size chains.
- Suitable for use on all chain types.



72/8.5/10.0/3.6' 118g

Motorcycles belt tension gauge

9Y0141



- This tool can be used to adjust belt tension on most motorcycles equipped with a secondary drive belt.
- This tool provides a simple way to firm the belt for proper tension.



240/18.0/19.5/1.6' 75g

Tappet adjusting tool set

9Y0142



- Set contains three wrenches (8, 9 & 10mm) and three adjusters (screw type and 3 & 4mm square-type).
- Interchange adjusters and wrenches provide nine different combinations.
- Ideal for most marks and models of motorcycles, ATVs and ATCs.
- Applications:
 HONDA: All ATC's and motorcycles with 4 cycle engines and screw type adjusters.
 YAMAHA: SR 185/250, XT/TT250, XS400, ST185
 SUZUKI: All 4 cycle ATV's and motorcycles with screw type adjusters.
 Any tappet adjuster with 8, 9 or 10mm adjusting nut and 3 or 4mm square slotted adjuster.

48/12.5/13.5/0.6' 260g

Large tools work on valves of 4-valve-per-cylinder heads

9Y0143



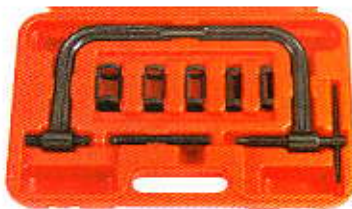
- Used to install valve spring keepers.
- Replaces the large cumbersome valve spring compressor.
- These tools are aimed at saving time when replacing valves in modern 16 to 20 valve head.
- Designed to fit the valves of 4 -cylinder heads (5.5 mm valve stem diameter or larger with under 40 lbs).



36/13.0/14.0/0.6' 361g

Valve spring compressor

62110



- These tools are designed to compress and release valve spring after removing the collets. Pantograph-type levers ensure a consistent coaxial contact with the valve.
- Contents:
 - 3pc Driving adaptor: 16; 19; 23; 25; 30 mm
 - 3pc pressure screw: 70mmL; 110mmL; 120mmL
 - 1pc C Clamp



10/21.5/22.5/2.2' 2150g

Piston ring pliers

62002



- Save by reducing ring breakage.
- Tapered jaws to remove and install most passenger car and light truck rings from 3/64" to 1/4" (1.2mm ~6.3mm).



144/18.0/19.0/2' 135g

Oil filter wrench

9B0701



- Steel jaw grips filter without slipping.
- Use with 3/8" drive.
- Suitable for filter 2-1/2" to 3-1/8" (60m/m-80m/m).



48/18.1/19.1/1.7' 380g

4-in-1 Hex axle tool

9Y0151



- Fits internal hex on many late-model sport-bike axles and some dirt bikes.
- Four metric hex sizes: 17, 19, 22 and 24mm.
- 3/8 in. square drive on both ends.
- Applications:
 BMW: 1200GS BMW: R1200 RT
 Buell: XB9R, XB9S, XB12R, XB12S (2003-2004)
 Honda: CBR600RR, CBR1000RR
 Kawasaki: ZX6R, ZX6RR, ZX600E/K, ZX7R, ZX9R, Z1000
 Suzuki: GSXR 2000-2004, DL 1000 V-Strom (all), SV1000
 Yamaha: R1, R6



100/17.0/18.0/0.6' Δ 170g

Motorcycle spindle tool

9T1403



- Use a socket on the free end to remove spindle.
- 24mm for SUZUKI / HONDA
- 22mm for KAWASAKI
- 19mm for YAMAHA



100/13.6/14.6/1.5' Δ 136g

Brake fluid bleeder bottle

9Y0161



- Bleeder Bottle Capacity: 0.5 L.

50/10.0/11.0/3.0' Δ 200g

Honda oil filter and clutch hub spanner

9Y0145



- Designed for oil filter and clutch hub on many Honda models (single-cylinder and twin-cylinder machines).
- 3/8" driver and 24mm inside diameter.
- Applications: most pre-1978 CB, CL, CT, SL and XL models, XR200 1980-1984, XR200R 1981-1994, XR250L 1991-1994, XR250R 1986-1995. Replaces large end of 077160020100 OEM tool.

240/12.5/14.5/1.6' Δ 52g



Adjustable spanner wrench

9U0701



- For use on slotted retaining rings.
- Adjustable from 1/2" to 2-3/4".



 48/16.1/17.1/0.9'  335g

Fixed type adjustable hook wrench

823



- For use on slotted retaining rings.


Part no.	Size	 Packing	 g
823035	13-35 mm	160/18.0/19.0/1.1'	110
823050	35-50 mm	80/17.0/18.0/1.0'	210
823080	50-80 mm	40/17.0/18.0/0.9'	425
823120	80-120 mm	24/18.0/19.0/1.0'	750

Pin type adjustable hook wrench

823A



- For use on slotted retaining rings.



Part no.	Size	 Packing	 g
823A035	13-35 mm	160/18.0/19.0/1.1'	110
823A050	35-50 mm	80/17.0/18.0/1.0'	210
823A080	50-80 mm	40/17.0/18.0/0.9'	425
823A120	80-120 mm	24/18.0/19.0/1.0'	750

Internal snap ring pliers (long arm)

9U0102



- Special design for the retaining ring in the deep hole.
- The most deep size: 56mm.

 48/11.5/12.5/2.0'  240g



■ Stud extractor

818A



- Socket 1/2" DR. Stud Extractor.
- For remove threaded, stripped, rusted, broken and smooth studs.
- Stud range: 6 - 19mm (1/4" - 3/4")







 30/16.9/17.9/0.55'  560g

■ Hex nut driver T handle

774..A






Part no.	 Tip	<i>l</i> blade	<i>l</i> over	 g	 pc/box
77406A	6	300	200	220	10
77407A	7	300	200	220	10
77408A	8	300	200	279	10
77409A	9	300	200	285	10
77410A	10	300	200	294	10
77411A	11	300	200	318	10
77412 A	12	300	200	432	10
77413 A	13	300	200	346	10
77414 A	14	300	200	422	10
77415 A	15	300	200	480	10
77416 A	16	300	200	510	10
77417 A	17	300	200	542	10
77418 A	18	300	200	600	10
77419 A	19	300	200	620	5
77420 A	20	300	200	650	5
77421 A	21	300	200	715	5
77422 A	22	300	200	715	5
77424 A 	24	300	200	702	5
7741.4A	1/4"	300	200	220	10
7745.16 A	5/16"	300	200	279	10
7743.8A	3/8"	300	200	294	10
7747.16 A	7/16"	300	200	318	10
7741.2A	1/2"	300	200	342	10
7749.16 A	9/16"	300	200	422	10
7745.8A	5/8"	300	200	510	10
7743.4A	3/4"	300	200	620	5



Hex nut driver adjustable T handle

774..B





Part no.	 Tip	<i>l</i> blade	<i>l</i> over	 g	 pc/box
77407B	7	220	200	190	10
77408B	8	240	200	195	10
77410B	10	260	200	265	10
77412B	12	260	200	380	10
77413B	13	260	200	380	10
77414B	14	260	200	385	10
77417B	17	290	250	500	10
77422B	22	315	250	715	10

Tire lever

750




Part no.	 Packing	<i>l</i> Length	 g
750200	100/14.6/15.60.56'	200	162
750300	120/31.6/32.6/0.6'	300	370
750380	60/22.9/23.9/0.5'	380	556
750380B NEW	60/22.9/23.9/0.6'	380	560


12pc 3/8"DR. Impact socket set

3126



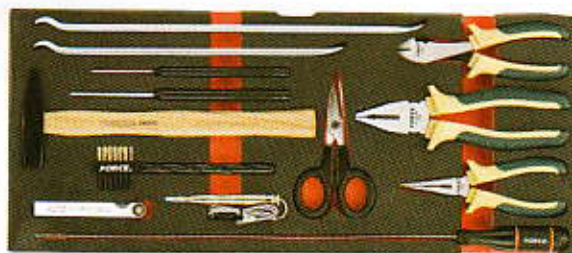
Part no.	Content:
82431	1-Impact wrench
8043 075...150 MPB	2-Impact extension 75, 150 mm
80531MPB	1- Universal joint (ball type)
80934MPB	1-Adaptor 3/8"(F)x1/2"(M)(ball type)
435 8...19	7-6pt. Flank impact socket 8, 10, 12, 13, 14, 17, 19 mm

 6/15.6/16.6/1.54'

 2600g

3-Drawer chest with 97pcs tools(Motorcycle)

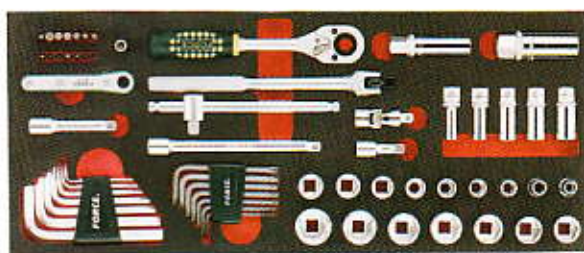
50223S-97



14pc Utility set

Part no.	Content:
6044190	1-Pin punch 4mm (190mmL)
6046210	1-Safe pin punch 6(210mm)
610B160	1-Long nose pliers
611B200	1-Combination pliers 8"
612B160	1-Diagonal pliers 6"
616200	1-Engineer hammer 200gw
61702	1-Flexible magnet pick-up tool
618	1-20pes Feeler gauge set
6983	1-Technician's scissors 145mmL
750 300...380	2-Tyre lever 300mmL: 380mmL
88001	1-Round magnetic tray
88423	1-Car light tester Checks 6-24V system
9U3001	1-Brass & Nylon scrape brushes




60pc Combination set

Part no.	Content:
535 08...24	16-6pt. Flank socket (MM) 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 24 mm
53546 08...14	5-6pt. Flank socket (MM) 8; 10; 12; 13; 14 mm
12125 0...3	4-Phillips bit PH.0; PH.1; PH.2; PH.3
12225 0...3	4-Pozidriv bit PZ.0; PZ.1; PZ.2; PZ.3
12425 03...08	6-Hex bit 3; 4; 5; 6; 7; 8 mm
5071	7-Star key
766 10...40	T10; T15; T20; T25; T27; T30; T40
5072	7-Hex key
764 025...10	2.5; 3; 4; 5; 6; 8; 10 mm
8013215	1-Swivel handle
802214	1-Mini bit ratchet
80233	1-Ratchet handle 24th
8033165	1-Sliding T bar
8043044...150	3-Extension 44mm(1.75") & 75mm(3") & 150mm(6")
80531	1-Universal joint
8073 16M... 20.6M	2-Mag. Spark plug socket 16 & 20.6 mm
81022M	1-Magnetic bit holder 1/4"(F)x1/4"inhex


10pc Waterpump pliers & Screwdriver set

Part no.	Content:
613B250	1-Waterpump pliers 10"
711 1B...3B	3-Phillips screwdriver PH.1x80mmL; PH.2x100mmL; PH. 3x150mmL.
7112BS	1-Stubby Phillips screwdriver PH.2x25mmL.
713 04B...08B	4-Slotted screwdriver 4mmx100mmL; 5.5mmx125mmL; 6.5mmx150mmL; 8mmx175mmL.
713065BS	1-Stubby slotted screwdriver 6.5mmx25mmL.


13pc wrench set


Part no.	Content:
754 0607...0810	2-Double open end wrench 6x7; 8x10 mm
755 08...17	7-Combination wrench 8; 10; 11; 12; 13; 14; 17 mm
758 1012...2427	4-45° Offset ring wrench 10x12; 14x17; 19x22; 24x27 mm

■ Infrared thermometer

9U0401



- Laser indicator.
- Changeable between: °C and °F
- Temperature range: -20 to 500°C
- Operating temperature: 0 to 50°C
- Storage temperature: -20 to 50°C
- Precision: ±2.5% or 3°C
- Distance-to-Spot: 10:1
- Power supply: 9V battery

 20/3.5/4.5/1.5"

 175g


■ 130pc Threaded coil-insert repair kit


9130U1



Contents:

- Screw-Coil: Material: Stainless Steel SUS304.
25pc M5-0.8*1.5D, 25pc M6-1.0*1.5D, 25pc M8-1.25*1.5D, 25pc M10-1.5*1.5D, 10pc M12-1.75*1.5D.
- Tap: Material: HSS.
1pc M5-0.8, 1pc M6-1.0, 1pc M8-1.25, 1pc M10-1.5, 1pc M12-1.75.
- Tang Puncher: Material: Carbon Steel.
1pc M5-0.8, 1pc M6-1.0, 1pc M8-1.25, 1pc M10-1.5, 1pc M12-1.75.
- Drill: Material: HSS.
1pc 5.2mm, 1pc 6.3mm, 1pc 8.3mm, 1pc 10.4mm, 1pc 12.4mm.
- Main Tool: Material: Steel.
1pc M5-0.8, 1pc M6-1.0, 1pc M8-1.25, 1pc M10-1.5, 1pc M12-1.75.

 8/20.0/21.0/0.8"


 2500g


■ Tubing bending pliers

65305



- For bending brass, copper, aluminum and steel tubing.
- Tubing bender pliers feature one rollers.
- One roller accepts 3/16" / 1/4" / 5/16" / 3/8" (4.8 / 6.4 / 7.9 / 9.5mm) O.D. tubing.

 8/20.0/21.0/0.8"

 2500g

Free long pry bar

68790 68755



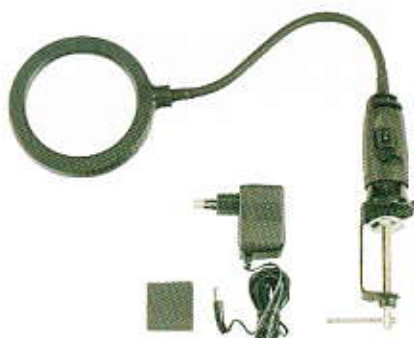
- Auto repair tool.
- Machine repair tool.
- Space saving.
- Easy to carry and store.
- Any end part can be made available at customer's request.



Item no.	Slide Shank	Min. Length	Max. Length	Weight (kg)	Moment (kgf.m)	Packing
68790	16 mm Hex	65.5 cm 25.8"	90.5 cm 35.6"	2.0	50	8/16.0/16.8/1.0
98755	13 mm Hex	42.0 cm 16.5"	55.5 cm 21.8"	0.9	35	20/18.0/19.0/0.6

14 LED Work light with magnifying head

68610



- LED white light bulb.
- 3x magnifying glass.
- Magnifying glass's diameter is 4".
- Could be supplied power by the two kinds of options which are the 2 pcs. of AAA battery or AC transformer
- Magnetic base attaches firmly to any metal surface.
- Power: AAA battery x 2 (1.5V/pc).
Transformer (Input : AC100V / AC240V ; Output : DC4.5V).



20/18.5/20.0/2.7' 925g

31pc 1/4" Bit set

2311



Content:

- 1-Magnetic bit holder 60mmL (81260Q)
- 6-1/4" Phillips bit PH.0, PH.1x2, PH.2x2, PH.3
- 6-1/4" Ppzidriv bit PZ.0, PZ.1x2, PZ.2x2, PZ.3
- 4-1/4" Slotted bit 3, 4, 5, 6.5
- 6-1/4" Hex bit 2, 2.5, 3, 4, 5, 6 mm
- 8-1/4" Star tamperproof bit T-10H, T-15H, T-20H, T-25H, T-27H, T-30H, T-35H, T-40H

back



20/18.5/20.0/2.7' 286g

20pc 1/2" Hex socket bit set

4206


Part no.	Content...
344055 05...1	10-Hex socket bit (55mmL) 5; 6; 7; 8; 9; 10; 12; 14; 17; 19 mm
344100 05...14	9-Hex socket bit (100mmL) 5; 6; 7; 8; 10; 11; 12; 13; 14 mm
34411017	1-Hex socket bit (110mmL) 17 mm

26pc 1/2" Star socket bit set

4263


Part no.	Content...
346055 20...70	12-Star socket bit (55mmL) T20; T25; T27; T30; T35; T40; T45; T47; T50; T55; T60; T70.
346100 20...100	13-Star socket bit (100mmL) T20; T25; T27; T30; T40; T45; T50; T55; T60; T70; T80; T90; T100.
34614060	1-Star socket bit (140mmL) T60.

28pc 1/2" Spline socket bit set

4285


Part no.	Content...
348055 05...16	8-Spline socket bit (55mmL) M5; M6; M8; M9; M10; M12; M14; M16.
348100 05...18	10-Spline socket bit (100mmL) M5; M6; M8; M9; M9.5; M10; M12; M14; M16; M18.
348140 08...14	5-Spline socket bit (140mmL) M8; M9; M10; M12; M14.
348055 14T...16T	2-Spline security socket bit (55mmL) M14; M16.
34810016T	1-Spline security socket bit (100mmL) M16.
674	2-M10 Alternator tools 1pc 1/2"DR. Spline(XZN) socket bit M10x110mmL 1pc Reaction corkscrew cap 33 teeth- Ø19mm-17mm hex



26pc 1/2" Ribe socket bit set

4265


Part no.	Content...
349100 05...16	10-Ribe socket bit (100mmL) M5; M6; M7; M8; M9; M10; M12; M13; M14; M16.
349140 08...14	5-Ribe socket bit (140mmL) M8; M9; M10; M12; M14.
34914010V	1-Ribe socket bit (140mmL) M10V.
349063 05T...16T	9-Ribe tamperproof socket bit (63mmL) M5; M6; M7; M8; M9; M10; M12; M14; M16.
34905506	1-Ribe socket bit (55mmL) M6.

26pc Special socket bit set

4266


Part no.	Content...
344100 11...13	2-Hex socket bit (100mmL) 11; 13.
34414010	1-Hex socket bit (140mmL) 10mm.
346100 60...70	2-Star socket bit (100mmL) T60; T70.
34614060	1-Star socket bit (140mmL) T60.
34710055	1-Star tamperproof socket bit (100mmL) T-55H.
34710570	1-Star tamperproof socket bit (105mmL) T-70H.
34713030	1-Star tamperproof socket bit (130mmL) T-30H.
34714080	1-Star tamperproof socket bit (140mmL) T-80H.
34810014	1-Spline socket bit (100mmL) M14.
34812009	1-Spline socket bit (120mmL) M9.
348140 08...12	4-Spline socket bit (140mmL) M8; M9; M10; M12.
34805516T	1-Spline security socket bit (55mmL) M16.
34810016T	1-Spline security socket bit (100mmL) M16.
34910013	1-Ribe socket bit (100mmL) M13.
34912012	1-Ribe socket bit (120mmL) M12.
34914009	1-Ribe socket bit (140mmL) M9.
34914010V	1-Ribe socket bit (140mmL) M10V.
674	2-M10 Alternator tools 1pc 1/2"DR. Spline(XZN) socket bit M10x110mmL 1pc Reaction corkscrew cap 33 teeth-Ø19mm-17mm hex
678	2-T50 Alternator tools 1pc 1/2"DR. Star socket bit T50x110mmL 1pc Reaction corkscrew cap 33 teeth-Ø19mm-17mm hex

6pc Extra-long screwdriver set

20611


Part no.	Content...
655 11...12	2-Extra-long Phillips screwdriver (350mmL) PH.1; PH.2
6553 04...08	4-Extra-long slotted screwdriver (300mmL)

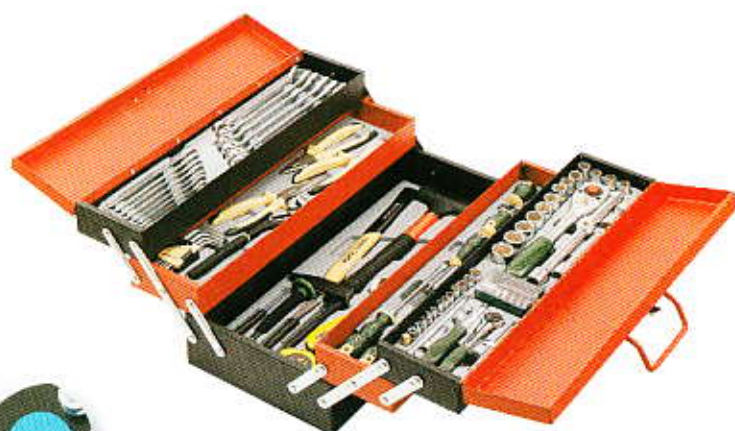
Notebook bag with 34pc tools

50231-33



Part no.	Content...
611B160	1-Combination pliers 6"
612B160	1-Diagonal pliers 6"
613B250	1-Waterpump pliers 10"
616B16	1-Ball pein hammer 16oz
649200	1-Adjustable gauged wrench 8" (200mmL)
711 1B...2B	2-Phillips screwdriver PH.1(80mmL); PH.2(100mmL)
713 04B...065B	3-Slotted screwdriver 4mm(100mmL); 5.5mm(125mmL); 6.5mm(150mmL)
755 08...19	8-Combination wrench 8; 10; 11; 12; 13; 14; 17; 19mm
5072F	7-Hex key set (Folding) 2.5; 3; 4; 5; 6; 8; 10; mm
5083F	8-Star key set (Folding) T9; T10; T15; T20; T25; T27; T30; T40
9U3001	1-Brass & Nylon scrape brushes

50235-112



C5026

20pc Combination wrench set (MM & SAE)

Part no.	Content...
755 08...22	12-Combination wrench (MM) 8; 10; 11; 12; 13; 14; 15; 16; 17; 19; 22; 24 mm
755 3.8...13.16	8-Combination wrench (SAE) 5/16"; 3/8"; 7/16"; 1/2"; 9/16"; 5/8"; 11/16"; 3/4"





C5142

14pc pliers and key set

Part no.	10/14.2/15.2/0.8'	1480g
613B250	1-Waterpump pliers 10"	
610B200	1-Long nose pliers 8"	
611B175	1-Combination pliers 7"	
612B175	1-Diagonal pliers 7"	
5102	10-Hex key 1.27; 1.5; 2; 2.5; 3; 4; 5; 6; 8; 10 mm	



C4542

54pc Socket combination set (MM & SAE)

Part no.	Content: 1/4" & 1/2" DR.
525 04...12	1/4" DR. part 12-6pt. Flank socket (MM) 4; 4.5; 5; 5.5; 6; 7; 8; 9; 10; 11; 12; 13 mm
525 3.16...1.2	9-6pt. Flank socket (SAE) 3/16"; 7/32"; 1/4"; 9/32"; 5/16"; 11/32"; 3/8"; 7/16"; 1/2"
80521	1-Universal joint
81022	1-Bit holder
81225	1-Magnetic socket pick-up
802223	1-72 teeth flexible round ratchet
8032115	1-Sliding T handle
8143	1-Spinner
8042 050...150	2-Extension 50mmL(2") & 150mmL(6") 1/2" DR. part
545 10...24	13-6pt. Flank socket (MM) 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 21; 22; 24 mm
545 3.8...3.4	7-6pt. Flank socket (SAE) 3/8"; 7/16"; 1/2"; 9/16"; 5/8"; 11/16"; 3/4"
80242	1-24 teeth Ratchet
8044 125...250	2-Extension 125mmL(5"); 250mmL(10")
80541	1-Universal joint
80634	1-Adaptor 3/8"(F)x1/2"(M)



C21114

11pc screwdriver set

Part no.	10/7.4/8.4/1.0'	740g
711 0B...2B	3-Phillips screwdriver PH.0x60mmL; PH.1x80mmL; PH.2x100mmL	
711 1BS...2BS	2-Stubby Phillips screwdriver PH.1x25mmL; PH.2x25mmL	
713 03B...065B	4-Slotted screwdriver 3mmx75mmL; 4mmx100mmL; 5.5mmx125mmL; 6.5mmx150mmL	
713 055BS... 065BS	2-Stubby slotted screwdriver 5.5mmx25mmL; 6.5mmx25mmL	



C5136

13pc Combination set

Part no.	6/18.6/19.6/1.3'	3170g
5055P3	2-Saw blade	
5055P4	1-Utility knife	
5096P8	1-5m measuring tape	
60215180Q	1-quakeproof and safe chisel 15mm (180mmL)	
604 4190Q... 6210Q	3-quakeproof and safe pin punch 4(190mm); 5(200mm); 6(210mm)	
614250	1-Locking pliers 10"	
616300	1-Engineer hammer	
616400	1-Rubber Hammer 280mmL	
649250A	1-Adjustable gauged wrench (250mmL)	
66302	1-mini hacksaw	