

# SUSPENSION

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## KEY



DO NOT USE AIR TOOLS



FOR USE WITH PETROL ENGINES



FOR USE WITH DIESEL ENGINES

**BELT**

FOR USE WITH BELT DRIVEN ENGINES

**CHAIN**

FOR USE WITH CHAIN DRIVEN ENGINES

## Universal Bearing Ring Puller

08100000

- For the removal of bearings, races, sleeves etc
- Ideal tool for the removal of bearing rings from hubs, axles etc
- Removes the need for cutting tools - greatly reduces bearing ring removal time
- Unique patented design - specially designed cutting edges on puller legs
- Specially designed sharp edges on puller legs, allowing the legs to be pressed into the radius behind the bearing ring
- 'Loose / Tight' pulling principal means force is applied evenly at all points on the bearing ring
- Suitable for all types of bearings and rings from 40 - 60mm diameter
- Supplied in plastic toolbox for safe storage

**Specification:** Spread: 40-60mm      Reach: 85mm

### Spare Parts:

- 08101500 - Set of 3 legs
- 08101170 - Force Screw



Scan the QR code to watch a video of the Universal Bearing Ring Puller



## Universal Bearing Removal Chisel – 300mm

08100300

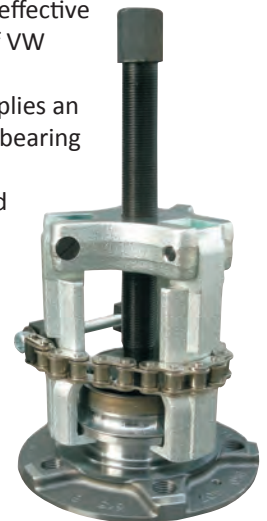
- For removal of tight fitting bearing rings - Specially shaped chisel end for access
- Useful for removing cone bearings in wheel hubs
- Universal applications
- Chisel end will wear or chip over time dependent on use - As with all chisels, working surface will require maintenance



## VW Bearing Ring Puller

08105000

- A specialist puller for the safe and effective removal of the latest generation of VW Group bearing rings
- The unique design of the puller applies an evenly spread force all around the bearing ring
- The puller legs are specially shaped for a precise fit on these new style VW Group bearings  
- Audi A4 / A5 / A6 / A7 / A8 / Q5 inc Quattro & RS versions: all models 2008 onwards
- Supplied in plastic toolbox for safe storage



## Universal Wheel Bearing Kit

08120000

- Universal set for the removal and installation of flanges and wheel bearings, without the need for removal of suspension struts or wheel hubs from the vehicle (where access permits)
- Remove and install wheel bearing without hub removal  
- Virtually eliminates damage to vehicle components  
- Removes the need to remove stubborn hub pinch bolt found on modern VW Group vehicles such as Audi A4, VW Passats etc
- Tool configures square to bearing – No more having to square hub assembly on hydraulic press
- Bearings fitted on nut assemblies – Greatly reduced drag in pushing bearing in / out
- Flange extraction bolts supplied - Reduces time taken to complete overall job
- Supplied in storage case – all components available individually as spare parts



Scan the QR code to watch a video of the Universal Wheel Bearing Kit

### Spare Parts:

- 08121170 - M12 x 1.25 Wheel Hub Bolt
- 08121270 - M12 x 1.5 Wheel Hub Bolt
- 08121370 - M14 x 1.5 Wheel Hub Bolt
- 08120570 - Main Spindle with Thrust Bearing
- 08120870 - Main Nut & Bearing



## Ford Transit Hub & Front Wheel Bearing Remover Kit

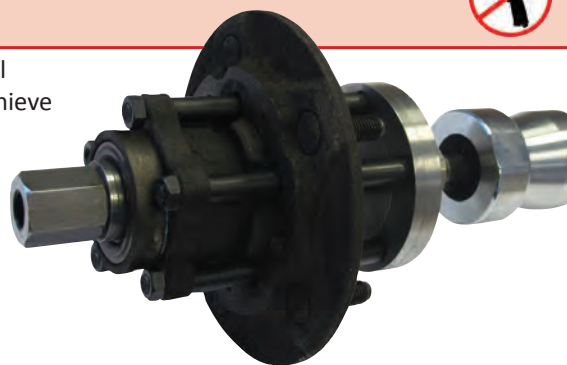
08254500



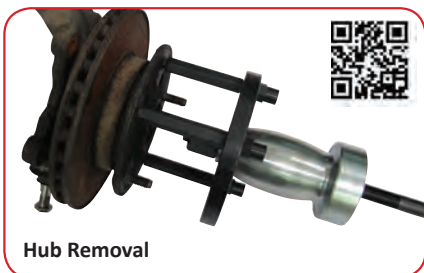
- For Ford Transit Mk6 & Mk7 Hub and complete front wheel bearing removal
- Features a heavy duty slide hammer which operates in two directions to achieve multiple operations in one tool
- Provides three different solutions in one kit:
  - Can be used as a traditional hub puller
  - Use the slide hammer in the reverse direction to remove the outer bearing race
  - Remove the stubborn inner bearing race



Scan the QR code to watch an overview video of the Ford Transit Hub & Front Wheel Bearing Remover Kit



Scan the QR codes below to watch a video of the three different solutions this tool provides



### Spare Parts:

- 082545-01 - Nut & washer pack
- 082545-02 - 1 x Ring
- 082545-03 - Legs x 5 with nuts pack
- 09510000 - Separator Assembly

## Universal Press Support Block

08770000

- Universal Support for use with a workshop press
- Three point contact guarantees a perfect, safe support
- Easily press bearings on a wide variety of suspension arms
- Features:
  - Adjustable height anvil bolts
  - Swivel element for added versatility
  - Safety Alignment brackets for security on press



Scan the QR code to watch a video of the Universal Press Support Block

### Spare Parts:

- 08770570 - Replacement Pressure Bolt Set (13 pcs)
- 08770170 - Swivel Plate

## GEN2 Bearing Removal & Installation



- The GEN 2 type of wheel bearing is predominantly fitted to models from Ford, Land Rover, Mazda, VW Group and Volvo
- Includes a variety of different diameter tool kits covering a range of sizes to suit the different GEN2 bearings used by vehicle manufacturers
- Designed to distribute pressing force evenly through the outer bearing race and also allows for the suspension leg to remain in-situ on the vehicle when fitting new bearings



Ford 82mm Bearing



VW Group Bearing



Scan the QR code to watch a video of the 72mm GEN2 Bearing Tool

Available Kits: (Supplied in metal tin)

Part No.	Size	Applications
08123500	62mm	Audi A2, VW Lupo (Front)
08124500	66mm	Skoda Fabia, VW Fox (Front), Polo
08125500	72mm	Audi A1, Audi A2, Seat Cordoba, Ibiza, Skoda Fabia, Roomster, VW Polo (Front), VW Fox with PAS (Front)
08126500	78mm	Ford Focus II, C-Max, Volvo C30, C70, S40, V50 (Front), Mazda 3
08128500	82mm	Ford Mondeo, Galaxy, S-Max, Land Rover Freelander 2, Volvo S80, V70, XC60, XC70
08127500	85mm	VW Multivan, Touareg, Transporter (Front / Rear)
08128000	78, 82 mm	<b>Ford / Volvo / Land Rover / Mazda Combined Kit</b> See above for individual applications
08129000	62, 66, 72, 85mm	<b>VW Group Kit</b> See above for individual applications
081220V2	62, 66, 72, 78, 82, 85mm	<b>All Sizes Master Kit</b> See above for individual applications

### GEN2 Upgrade Kits

These kits contain the necessary parts to upgrade any existing 62, 66 or 72mm kit, to cover any of the other two sizes, without unnecessary duplication of parts. Upgrade kits are supplied in cartons, to fit within the toolbox of one of the standard kits. Each Upgrade Kit includes 2 x Back Plates and 2 x Adaptors (For further details, refer to table on page 9)

#### GEN2 Upgrade Kit - 62mm 08123000



- 081235170
- 081235270
- 081235870
- 081235970

#### GEN2 Upgrade Kit - 66mm 08124000



- 081245170
- 081245270
- 081235870
- 081235970

#### GEN2 Upgrade Kit - 72mm 08125000



- 081255170
- 081255270
- 081255870
- 081255970

## GEN2 Bearing Removal & Installation - Spare Parts



Spare Parts	Kits					
	08123500 62mm	08124500 66mm	08125500 72mm	08126500 78mm	08128500 82mm	08127500 85mm
08121100 - GEN2 Spindle & Nut	✓	✓	✓	✓	✓	✓
081255370 - Pressure Plate	✓	✓	✓			
081265370 - Pressure Plate				✓	✓	
081275370 - Pressure Plate						✓
081235570 - Force Pins 74mm (5 Pack)	✓	✓	✓			
081265570 - Force Pins 90mm (4 Pack)				✓		
081285670 - Force Pins 74mm (4 Pack)					✓	
081285570 - Force Pins 100mm (4 Pack)					✓	
081275570 - Force Pins 90mm (5 Pack)						✓
081255570 - Bolt (43mm x 8mm)	✓	✓	✓	✓		✓
081235170 - Back Plate - REMOVAL (2 Halves)	✓					
081245170 - Back Plate - REMOVAL (2 Halves)		✓				
081255170 - Back Plate - REMOVAL (2 Halves)			✓			
081265170 - Back Plate - REMOVAL (2 Halves)				✓		
081285170 - Back Plate - REMOVAL (2 Halves)					✓	
081275170 - Back Plate - REMOVAL (2 Halves)						✓
081235270 - Back Plate - INSTALL (2 Halves)	✓					
081245270 - Back Plate - INSTALL (2 Halves)		✓				
081255270 - Back Plate - INSTALL (2 Halves)			✓			
081265270 - Back Plate - INSTALL (2 Halves)				✓		
081285270 - Back Plate - INSTALL (2 Halves)					✓	
081275270 - Back Plate - INSTALL (2 Halves)						✓
081235870 - Adaptor - REMOVAL (67mm Ø)	✓	✓				
081255870 - Adaptor - REMOVAL (68mm Ø)			✓			✓
081265870 - Adaptor - REMOVAL (48mm Ø)				✓		
081285870 - Adaptor - REMOVAL (55mm Ø)					✓	
081235970 - Adaptor - INSTALL (57mm Ø)	✓	✓				
081255970 - Adaptor - INSTALL (73mm Ø)			✓			
081265970 - Adaptor - INSTALL (80mm Ø)				✓		
081275870 - Adaptor - INSTALL (94mm Ø)						✓
081285970 - Adaptor - INSTALL (85mm Ø)					✓	
081275970 - VW T5 Adaptor Ring						✓



## Coil Spring Compressor Workstations

- Universal pieces of equipment for assembling and disassembling struts and coil springs - suitable for Cars, 4WD's, Commercial Vehicles
- **ALS – Auto Levelling System** - Auto levelling upper arms simplify working on conical and misaligned springs
- **Brackets System** - Front and side spring clamps designed for fast changeover using unique Brackets System
- **Aluminium Cylinder (38580000 model only)** - Can be used on extra-long shock absorbers (e.g. commercials) due to the long (330mm) stroke of the cylinder. Manufactured from light alloy and resin to eliminate risk of corrosion and internal parts failure
- **Safety Guard** - Fitted Safety Guard for operator safety and also allows strut to be safely left in-situ if the equipment is disconnected from the air supply
- Demonstration video available at [www.sykes-pickavant.com](http://www.sykes-pickavant.com)

## Heavy Duty Suspension Workstation - Pneumatic 38580000

- **Contents:**
  - Bracket A: 78 – 130mm (38481200)
  - Bracket B: 125 – 205mm (38481300)
  - Strut Vice
  - Safety Guards
  - Protective Cover

- **Specifications:**
  - Dimensions: 1600 x 520 x 300mm
  - Working Pressure: 10 bar (150 psi)
  - Compression Force: 2452 kg (24500N)
  - Cylinder Stroke: 330mm
  - CE approved

- **Features:**
  - Safety cut-out for de-activation of cylinder when safety guard is opened
  - Double-depth front plate for use on extra-long strut assemblies

*Fitted with Extra Heavy Duty Pneumatic Cylinder - Ideal for Extra Heavy Duty applications i.e. SUV's, 4WD's etc where full spring compression is required*



Scan the QR code to watch a video of the suspension workstation range



## Suspension Workstation - Mechanical 38680000

- **Contents:**
  - Strut Vice
  - Safety Guards
  - Protective Cover

- **Specifications:**
  - Dimensions: 1400 x 540 x 310mm
  - Compression Force: 1600 kg (16000N)
  - Working Stroke: 420mm
  - Hex Drive: 19mm
  - CE approved

- **Features:**
  - Heavy Duty Mechanical screw, suitable for use with Air Impact Wrenches and standard socket / wrench accessories

*Fitted with Heavy Duty Mechanical Components instead of Pneumatics - Ideal for mobile use or where air supply is not practical*



## Optional Accessories for use with Suspension Workstations

### Mercedes Bracket Set 38480100

- Upper bracket for Mercedes A, B, C, E Class
- Lower bracket for Mercedes E Class



### Upper Jaw Set 38480200

- For high compression springs (Toyota / Honda etc)



### Adjustable Strut Support Plate 38480300

- Height adjustment plate for supporting strut assembly



### Special Bracket 38480400

- VW Touareg / Porsche Cayenne



### Special Bracket 38480500

- Mercedes C Class 2010-



### Special Bracket 38480600

- Nissan Qashqai



### Double Depth Strut Vice 38480700

- For use with extra long strut assemblies
- Chrysler Voyager



### Standard Bracket (A) 38481200

- 78 - 130mm



### Standard Bracket (B) 38481300

- 125 - 205mm



### Standard Bracket (C) 38481400

- 105 - 182mm



## Suspension Workstations - Spare Parts

DESCRIPTION	38580000	38680000
Pneumatic Control Valve	384800-02	n/a
Cylinder Top Cover Assembly (incl seals)	384800-03	n/a
Cylinder Top Cover Plate	384800-01	n/a
Cylinder Top Seal only	384800-15	n/a
Cylinder Top Cover Large 'O' ring	384800-16	n/a
Locking Handle / Lever	384800-17	384800-17
Safety Cage Gate (single)	384800-04	384800-04
Safety Cage Latch Kit	384800-18	384800-18
Load Nut (for mechanical screw)	n/a	386800-01
Pedal - Complete	384800-11	n/a
Strut Vice	384800-10	384800-10

## Heavy Duty Coil Spring Compressor

08390000



Unique Sykes-Pickavant design of vice-mounted Coil Spring Compressor

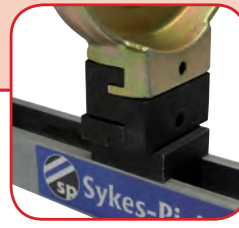
- Features double-ended hex drive (2 x 24mm hex) for ease of use
  - Can be operated from either end using ratchet or 24mm wrench
  - Can be safely unwound in the event of shear pin failure
- Hex drives at both ends, incorporate shear-pins for safety
  - Features external thrust bearing for ease of service
  - Heat treated, Self-lubricating operating screw
- Safe Working Load = 15000N
- Supplied with two sets of universal jaws:
  - Medium Jaws: 110-150mm diameter
  - Large Jaws: 140-195mm diameter
- N.B. Not recommended for use with Air / Electric Impact Power Tools
- 084000 Series jaws can also be used with 08390000 Coil Spring Compressor (Requires 08393200 Screws)



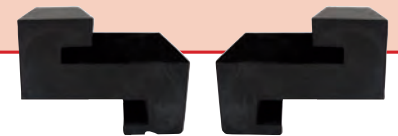
## Coil Spring Adaptor Kit

08390500

- Spacer Block for use with asymmetric / tapered springs to raise jaw height at one end only
- Extensions (pair) for use with extra long strut assemblies
  - Spacer Block - Available individually - 08390600
  - Extensions (pair) - Available individually - 08390700



08390600



08390700

## Optional Jaws for use with 08390000 - HD Coil Spring Compressor (above)

Note: Optional Specialist Jaws are supplied as singles - which can be inter-changed for use on tapered springs

### Small Jaw 80-115mm diameter

08390100

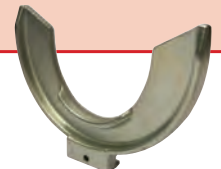
- Optional Small Jaw: 80-115mm diameter



### Extra Large Jaw 180-240mm diameter

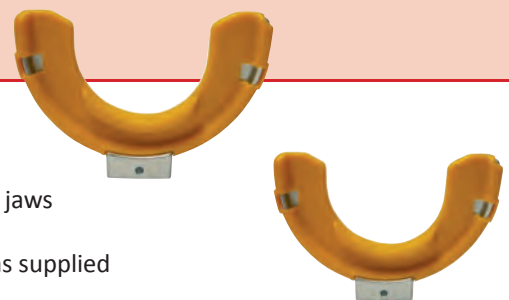
08390400

- Optional Extra Large Jaw: 180-240mm diameter



## Plastic Jaw Covers

- Optional plastic jaw cover available in three sizes
  - **08391100:** Small plastic jaw covers (Pair) - For use with 08390100 optional small jaw (above)
  - **08391200:** Medium plastic jaw covers (Pair) - For use with 08390270 medium jaws as supplied with 08390000 (above)
  - **08391300:** Large plastic jaw covers (Pair) - For use with 08390370 large jaws as supplied with 08390000 (above)



## 08390000 - Spare Parts

- 08390270 - Medium Jaw - Single
- 08390370 - Large Jaw - Single
- 08391770 - Main Screw
- 08392170 - Main Nut (2 Pack)
- 08392400 - Shear Pins (6 Pack)
- 08393070 - Thrust Bearing
- 08393100 - Jaw Retaining Screws M6 x 1.0 (4 Pack)
- 08393200 - Jaw Retaining Screws M10 x 1.5 (2 Pack) - For use with 08400 Series Optional Jaws (See page 13)



## Extra Heavy Duty Coil Spring Compressor c/w Universal Multi-Purpose Jaws

**08400000**

- Safe working load 2250kg (22500N)
- Supplied with 1 x pair of universal MULTIPURPOSE jaws
  - Patented innovative shape of jaw design fits most types and sizes of springs
  - Protective high-tech inserts in jaw for added safety
  - Jaws diameter 80-200mm covers 90% of applications
- Built-in protective accessory for vice clamping
- Large user friendly adjustable handle for fast jaw positioning
- Overload shear pin for safe operator use
- Range of specialist jaw options available
- TUV approved
- Supplied with full instructions and vehicle applications
- Full applications list available at: [www.sykes-pickavant.com](http://www.sykes-pickavant.com)



**Spare Parts:**

- 08400100 - Universal Jaw (single)
- 08402400 - Shear Pin

## Safety Cage for Heavy Duty Coil Spring Compressor

**08401500**

- Workbench or wall-mounted for operator safety
- Minimizes risk of injury & improves safety
- Cage has hinged opening and dedicated slot in the base for securing the 08400000 HD Coil Spring Compressor (above)



## Optional Jaws for use with 08400000 - HD Coil Spring Compressor (above)

Note: Optional Specialist Jaws are supplied as singles - except for 08401000 which is supplied as a pair

### Extra Large Jaw 180-230mm

**08400400**

- Extra Large Jaw - 180 - 230mm diameter



### Extra Small Jaw 80-120mm

**08400500**

- Extra Small Jaw - 80 - 120mm diameter



### Conical Spring Jaw 80-145mm

**08400600**

- Jaw for Conical Springs 80 - 145mm diameter



### Special Jaw

**08400700**

- Special Jaw for use with:
  - BMW 3 - E46, E90
  - BMW 5 - E39, E60, F10
  - Renault Megane 2, 3



### Special Jaw

**08400800**

- Special Jaw for use with:
  - Mercedes C Class



### Special Jaw

**08400900**

- Special Jaw for use with:
  - Mercedes E Class



### Special Jaw (Pair)

**08401000**

- Special Jaw for use with:
  - Citroën C 15
  - Peugeot Break



### Special Jaw

**08401100**

- Special Jaw for use with:
  - Chrysler Grand Voyager ("Counter Clock" spring)



• Full applications list available at: [www.sykes-pickavant.com](http://www.sykes-pickavant.com)

## Internal Coil Spring Compressor

08450000



- Specially designed for vehicles with front or rear wishbone suspension
- Designed to fit applications where the access hole in the lower wishbone is as small as 30mm diameter
- Unique Torque Safety Key extends functionality and adds safety
  - 100Nm max torque
  - Allows for use with an impact wrench
- Supplied with two pairs of specialist jaws from 90mm to 140mm diameter
- Full applications list included in kit
- Safe working load of 2500kg (25000N)
- Fits a wide variety of vehicles with Wishbone Suspension, including:
  - BMW / Citroën / Chrysler / Honda / Hyundai / Kia / Mazda / Mitsubishi / Peugeot / Renault / Seat / Skoda / Suzuki / Toyota / Volvo / VW

Note: The Internal Coil Spring Compressor is recognised as being the only recommended method of removing springs from the following models:

### Only tool on the market capable of handling the following vehicles:

Make / Model	Year	Front / Rear	Make / Model	Year	Front / Rear
Citroën C1	06-	Rear	Skoda Octavia	01-	Rear
Citroën C3	03-	Rear	Skoda Roomster Scout	08-	Rear
Kia Picanto	07-	Rear	Suzuki Swift / SX4	07-	Rear
Mitsubishi Colt	07-	Rear	Toyota Aygo	07-	Rear
Peugeot 107 / 207 / 1007	07-	Rear	VW Touran	03-	Rear



### Also suitable for many other models including:

Make / Model	Year	Front / Rear	Make / Model	Year	Front / Rear
BMW 3 Series E91	07-	Rear	Mitsubishi Shogun / Pajero	07-	Rear
Citroën C4	06-	Rear	Renault Traffic	07-	Rear
Daimler Benz C Class W202	93-00	Front	Skoda Fabia	07-	Rear
Honda Civic / Stream	07-	Rear	Toyota Yaris	07-	Rear
Kia Ceed	07-	Rear	Volvo V70	07-	Rear
Mazda 3	03-	Rear	VW Polo	07-	Rear

Full applications information is available via our website at: [www.sykes-pickavant.com](http://www.sykes-pickavant.com)

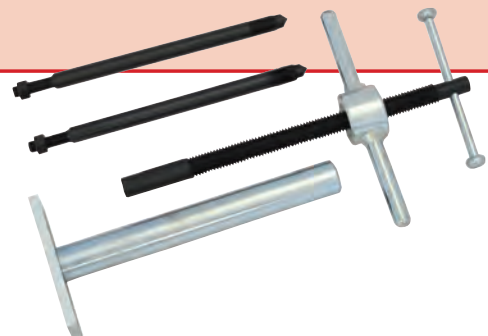
#### Spare Parts:

- 08451500 - 90-120mm Jaws (Pair)
- 08451900 - 120-140mm Jaws (Pair)
- 08450500 - Torque Stick

## Mini Suspension Compressor

66033000

- For use on BLMC Mini's fitted with rubber cone suspension units
- Supplied with both Metric & Imperial extension screws, to cover all applications



#### Spare Parts:

- 08591600 - Extension Screw UNF
- 08591700 - Extension Screw Metric

## McPherson Strut Lifter

08480000

Designed for Peugeot 206, Citroën C3 and new Mini front suspensions, the purpose of this tool is to make suspension work quicker and easier when cars are raised on 2 post ramps or wheel-free lifts. The tool works to quickly and safely lift or raise bridge type McPherson Struts (where the hub can be separated from the strut) without the removal of the ball joint and drive shaft. The tool works by exerting an upward force controlled by the hydraulic transmission jack, through the strut, thereby constricting the spring. As the strut is forced upwards the hub and the rest of the suspension can be separated for improved access.

- Mounts onto the top of a standard hydraulic transmission jack
- Fits both 24 & 30mm diameter transmission jack pistons
- Adjustable top frame allows for secure fixing onto the strut to be lifted
- Tool is left and right handed allowing easy mounting and adjustments in size to fit various sized vehicle requirements
- Designed for Peugeot 206, Citroën C3 and new Mini front suspensions



\*Transmission Jack not included



Scan the QR code to watch a video of the McPherson Strut Lifter

### Spare Parts:

- 08480170 - Replacement Chain
- 08480270 - Locking Pin

## Universal Suspension Arm Lever

08080000

- For lowering of the suspension arm and the separation of suspension components
- Reduces the effort required, due to the unique design which uses leverage and the technicians' own bodyweight to create the force required
- Adjustable, multi-position swing point allows for variable applications – both LH & RH



Scan the QR code to watch a video of the Universal Suspension Arm Lever



### Spare Parts:

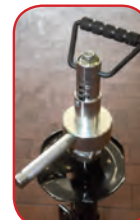
- 08080170 - Location Pin
- 08080270 - Replacement Hook

## Strut Controller

08487500

Allows control over the strip down and re-assembly of shock absorbers fitted with internal rebound stop springs. The rebound spring presents an issue for the workshop – as it will act to pull the piston rod back into the strut once the securing nut is released. The Strut Controller is able to secure the piston rod, allowing it to be serviced easily. A universal clamp is supplied in the kit with non marking nylon jaws which clamp over the piston rod and stop it from being drawn back into the strut.

- Allows for the safe retaining of the piston rod in extended position
- Universal protective clamp holds piston rod in-situ
- Telescopic handle and bearing assembly allows for correct assembly of new piston
- Universal tool suitable for most vehicle makes: BMW, Fiat, Ford, Mercedes, Nissan, Peugeot, Toyota etc



## Universal Protective Clamp for Strut Insert Pistons

08487600

- Fixes the piston rod in position when replacing coil springs
- Prevents the piston rod from being drawn back into the strut



## Mercedes Strut Top Nut Socket

08920500

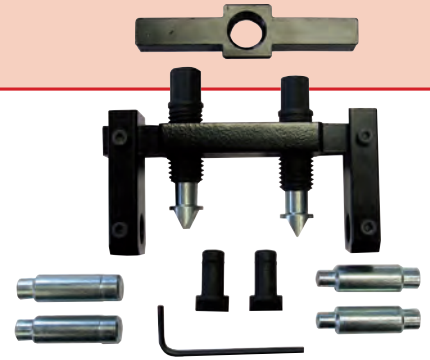
- Specially designed for Mercedes W203 (C Class) & W209 (CLK)



## Hub Clamp Spreader Tool

08485000

- Spreads the steering knuckle to enable safe removal and assists re-assembly of shock absorbers, without risk of damage to the knuckle
- Adjustable - use with knuckles which have either a centralised, or non-centralised slot
- Suitable for use on both Single and Twin knuckles
  - Single knuckles – as found on a wide range of vehicle models
  - Twin knuckles – as found on modern VW Group models
- Ideal companion product when using 08480000 McPherson Strut Lifter (see page 15) in order to release the lower end of the strut from the suspension arm



## VW Alloy 4 Link Suspension Bolt Remover Set

08041000

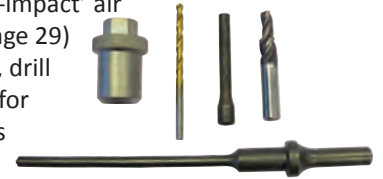
- Simple tool to use with 'vibro-impact' air hammer (90206000 - page 29) when bolt ends protrude from housing
- Sleeve guides the impact end to free off and push bolt through the housing
- Extension adaptor for removing bolts when pushed deep in the housing



## Specialist VW Alloy 4 Link Suspension Bolt Remover Set

08042000

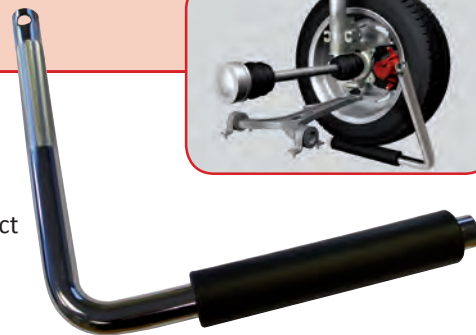
- Specialist kit for dealing with broken off bolts
- Can be used with 'vibro-impact' air hammer (90206000 - page 29)
- Includes specialist drills, drill guide and remover bits for removal of tightest bolts where normal kits fail



## Suspension Wear Indicator

08085000

- An innovative tool for detecting suspension and axle joint wear
- For detecting faults in:
  - Suspension Joints & Suspension Struts
  - Wheel bearings
  - Stabilizers, Bushes & Ball-Joints
  - Steering Gear & Links
- The tool creates a rocking motion in any direction in order to detect movement in steering and suspension components
- Uses weight of vehicle to highlight component wear under load conditions

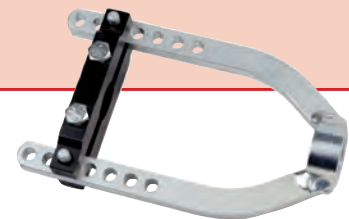


Scan the QR code to watch a video of the Suspension Wear Indicator

## CV Joint Puller

08090000

- Specialist tool for the removal of CV Joints on front wheel drive cars
- Avoids the need to remove the entire front axle
- No need to use a hammer – reduces risk of damage to the drive axle
- Approved as a special tool by VW Group - Audi, Seat, Skoda, VW – Ref: T20181



## Concentric Speedy Steering Rack Wrench

08680000

- For removal and installation of steering rack knuckles - 35 to 45mm diameter
- Works on all steering racks with track rods up to 30mm diameter
- Self locking rollers adjust automatically to the required knuckle diameter, to provide a safe and secure grip
- Manufactured to OEM specifications, as required by Mercedes, PSA, Renault, Toyota and VW Group
- High Quality Grade Steels:
  - Forged Steel body
  - Heat treated steel rollers
  - Steel tube with 30mm diameter hex
- Serviceable – Roller cage is replaceable should the rollers become worn or damaged



Scan the QR code to watch a video of the Concentric Speedy Steering Rack Wrench

### Spare Parts:

- 08680100 - Spares Kit (Roller Cage)

## VW Group Control / Trailing Arm Bush Tool

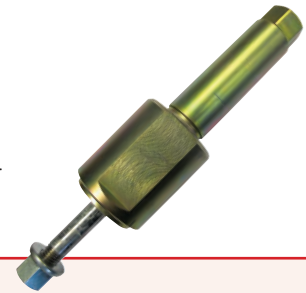
**08760300**



- Heavy Duty mechanical kit for replacing and removing control / trailing arm bushes

- Suitable for:

- |                           |                          |                           |
|---------------------------|--------------------------|---------------------------|
| - VW Golf V, VI 2003-     | - VW Golf Plus 2005-     | - VW Eos 2006-            |
| - VW Touran 2003-         | - VW Jetta III, IV 2005- | - VW Scirocco 2008-       |
| - VW Passat 2005-         | - VW Tiguan 2007-        | - VW Sharan 2010-         |
| - Audi A3 2003-           | - Audi TT 2006-          | - Seat Altea / Leon 2004- |
| - Seat Toledo 2004 - 2009 | - Seat Alhambra 2010-    | - Skoda Octavia 2004-     |
| - Skoda Superb 2008-      | - Skoda Yeti 2009-       |                           |



**Spare Parts:**

- 08760311 - Consumable Spares Kit

## Ford Mondeo Rear Bush Tool

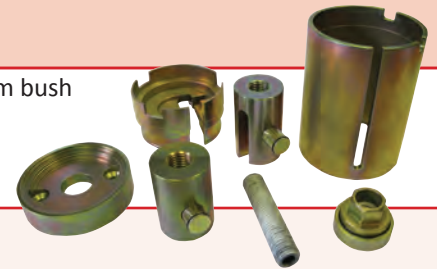
**08730400**



- Individual press piece set for dismantling and installing the rear wishbone / trailing arm bush

- Suitable for:

- Ford: Mondeo 2007-, Mondeo Estate 2000 - 2007, S-Max & Galaxy 2006-
- Volvo: XC70 & V70 2007-, XC60 2008-, S60 & V60 2010-



**Spare Parts:**

- 08730411 - Consumable Spares Kit

## VW Polo Front Control Arm Bush Tool

**08760200**



- For removal and installation of the rear bush on the front control arm, as fitted on:

- VW Polo IV - 2001-
- Seat Cordoba III - 2002-
- Skoda Fabia - 1999-



**Spare Parts:**

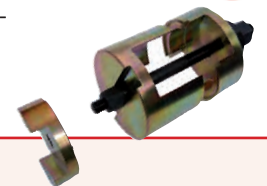
- 08760211 - Consumable Spares Kit

## Renault Laguna Rear Suspension Bush Tool

**08750100**



- For removal and installation of rear axle bushes on Renault Laguna 2 2001-



**Spare Parts:**

- 08750111 - Consumable Spares Kit

## Ford Focus Rear Wishbone Bush Tool

**08730200**



- For removal and installation of rear wishbone / trailing arm bush on all Ford Focus models 1998-



**Spare Parts:**

- 08730211 - Consumable Spares Kit

## Ford Fiesta Rear Bush Tool

**08730300**



- For removal and installation of rear axle mounting bushes as used on Ford Fiesta, Ka & Puma models 1996- without the need to remove the trailing link assembly from the vehicle



**Spare Parts:**

- 08730311 - Consumable Spares Kit

## VW / Audi Rear Axle Bush Insertion Tool

**08760100**



- For installation of bonded rubber / plastic type rear axle mounting bushes, on Audi A3, VW Golf 4, VW Bora - all models 2001 - 2004



*N.B. Most models were originally fitted with hydraulic type rubber bushes when new - These can be knocked out manually. This tool is required for fitting the new bonded rubber / plastic type replacement bushes. Always replace in pairs.*

**Spare Parts:**

- 08760111 - Consumable Spares Kit

## Mini Control Arm Bush Tool

**08720600**



- For removal and installation of front control arm rear bushes
- Front control arm bush tool for BMW Mini -07
- For Mini Cooper R50 / R53 (W10 / W17 / W11)
- Left & Right arm bush replacement on the vehicle



**Spare Parts:**

- 08720611 - Consumable Spares Kit

## Universal Press & Pull Sleeve Kit

A universal system for the removal and installation of Suspension Bushes, Bearings, Seals etc By selecting the appropriate diameter sleeves, the bush / bearing / seal is 'Pressed', or 'Pulled' by the action of turning the spindle nuts in opposing directions.

Fully universal applications for Cars, LCV's HGV's etc, with a range of kit options to suit individual requirements.

Press & Pull Sleeve Kits can be used in the following formats:

- As a stand alone set of tools
- With a standard workshop press
- With a Universal Press Frame (187000V2 or 18703500) – Refer to page 20
- With a Universal C Clamp (18780200 or 18780300) – Refer to page 20
- Can also be used with selected model specific Press Piece sets – Refer to page 21 and in conjunction with optional hydraulic upgrade kits (see below)

All components are available individually as spare parts



## Universal Press & Pull Sleeve Kit - Car / LCV Kit 08780000

- Universal applications - Car - LCV
- Contains 20x Press Sleeves in 2mm diameter steps
- Inside Diameter Range: 34 - 72mm
- Outside Diameter Range: 44 - 82mm
- 4x Step Plates / 4x Pulling Spindles with thrust bearings
- Supplied in moulded storage case



### Kit Contents & Spare Parts:

Part No.	Description / Dims	Quantity
08785170	Sleeve 34/44	1
08785270	Sleeve 36/46	1
08785370	Sleeve 38/48	1
08785470	Sleeve 40/50	1
08785570	Sleeve 42/52	1
08785670	Sleeve 44/54	1
08785770	Sleeve 46/56	1
08785870	Sleeve 48/58	1
08785970	Sleeve 50/60	1
08786070	Sleeve 52/62	1
08786170	Sleeve 54/64	1

Part No.	Description / Dims	Quantity
08786270	Sleeve 56/66	1
08786370	Sleeve 58/68	1
08786470	Sleeve 60/70	1
08786570	Sleeve 62/72	1
08786670	Sleeve 64/74	1
08786770	Sleeve 66/76	1
08786870	Sleeve 68/78	1
08786970	Sleeve 70/80	1
08787070	Sleeve 72/82	1
08782170	Spindle M10	1
08782270	Spindle M14	1

Part No.	Description / Dims	Quantity
08782370	Spindle M16	1
08782470	Spindle M18	1
08781170	Nut M10 with Bearing	2
08781270	Nut M12 with Bearing	2
08781370	Nut M14 with Bearing	2
08781470	Nut M16 with Bearing	2
08783170	Step Disc No.1	1
08783270	Step Disc No.2	1
08783370	Step Disc No.3	1
08783470	Step Disc No.4	1

## Hydraulic Upgrade Kits for Universal Press & Pull Sleeve Kit

- When used in conjunction with components from 08780000 (above), or 08797500 (page 19), these kits allow application of up to 12 tons of hydraulic force which can be used to provide a controlled force in place of the manual or mechanical effort required when using 08780000 / 08797500

### Contents:

- Hollow Ram Hydraulic Cylinder, Alignment washer and 2x extra-long heavy-duty spindles that are rated for use with the hydraulic ram. (Note: Standard 08780000 spindles are not rated for use with the 18782500 and / or 18792500 hydraulic ram)

### 18782500 (878 Series)

- Cylinder: 8mm stroke



### 18792500 (879 Series)

- Cylinder: 40mm stroke





## Universal Press & Pull Sleeve Kit - SUV / LCV 08790000

- For use as an add-on to the Standard Press & Pull Sleeve Kit (08780000)
- Allows access to a wider range of vehicles, particularly SUV's and LCV's
- Contains 8 x Press Sleeves in 2mm diameter steps
- Inside Diameter Range: 82 - 88mm and 98 - 104mm
- Outside Diameter Range: 92 - 98mm and 108 - 114mm
- 4 x Step Plate Discs
- 2 x 20mm Pulling Spindle Adaptors with Thrust Bearings M20
- Supplied in moulded storage case



## Kit Contents & Spare Parts 08797500 / 08790000 / 08795000

Part No.	Description / Dimensions	08797500	08790000	08795000
		Kit Qty	Kit Qty	Kit Qty
08795170	Sleeve 74/84	1		1
08795270	Sleeve 76/86	1		1
08795370	Sleeve 78/88	1		1
08795470	Sleeve 80/90	1		1
08795570	Sleeve 82/92	1	1	
08795670	Sleeve 84/94	1	1	
08795770	Sleeve 86/96	1	1	
08795870	Sleeve 88/98	1	1	
08795970	Sleeve 90/100	1		1
08796070	Sleeve 92/102	1		1
08796170	Sleeve 94/104	1		1
08796270	Sleeve 96/106	1		1
08796370	Sleeve 98/108	1	1	
08796470	Sleeve 100/110	1	1	
08796570	Sleeve 102/112	1	1	
08796670	Sleeve 104/114	1	1	
08796770	Sleeve 106/116	1		1
08796870	Sleeve 108/118	1		1
08796970	Sleeve 110/120	1		1
08797070	Sleeve 112/122	1		1
08782170	Spindle M10	1		1
08782270	Spindle M12	1		1
08782370	Spindle M14	1		1
08782470	Spindle M16	1		1
08792570	Spindle TR20 Short	1	1	
08792670	Spindle TR20 Long	1	1	
08781170	M10 Nut & Bearing	2		2
08781270	M12 Nut & Bearing	2		2
08781370	M14 Nut & Bearing	2		2
08791670	M16 Nut & Bearing	2		2
08791570	TR20 Nut & Bearing	2	2	
08791170	Counter Nut M10	1	1	
08791270	Counter Nut M12	1	1	
08791470	Counter Nut M14	1	1	
08793170	Step Disc No. 1	1	1	
08793270	Step Disc No. 2	1	1	
08793370	Step Disc No. 3	1	1	
08793470	Step Disc No. 4	1	1	
08793570	Adaptor for Step Disc	2	2	
08790570	Spindle Grease	1	1	

## Upgrade Kit - From 08790000 to 08797500 08795000

- Upgrade kit from 08790000 to complete 08797500
- For owners of kit 08790000 (SUV / LCV - above) who wish to upgrade to the full contents of the combined LCV / HGV Kit (08797500 - below)



## Universal Press & Pull Sleeve Kit - Commercial Vehicle 08797500

- Complete kit for SUV, LCV, PSV, HGV
- Contains 20x Press Sleeves in 2mm diameter steps
- Inside Diameter Range: 74 - 112mm in 2mm steps
- Outside Diameter Range: 84 - 122mm in 2mm steps
- 4x Step Plate Discs / 4x Pulling Spindles with nuts & thrust bearings M10 / M12 / M14 / M16
- 2 x 20mm Heavy Duty Pulling Spindles (M20 long & M20 short) with thrust bearings
- Supplied in moulded storage case



Scan the QR code to watch a video of the Universal Press & Pull Sleeve Kit for Commercial vehicles



## Universal Press Frames

Universal Press Frames are ideal for use when replacing suspension bushes on the vehicle (where space permits access) Can be used for pressing old bushes out and new bushes in and can also be used for replacing ball-joints in-situ

**Two versions are available:**

- Model 187000V2 – 200mm clearance, with 12 tonnes of Hydraulic force
- Model 18703500 – 350mm clearance, with 12 tonnes of Hydraulic force

### Universal Press Frame c/w 12 tonne Hydraulic Ram 187000V2

- Updated unit now provides greater power
- Allows easier operation - 50% more capable using the SP 12 tonne Hydraulic Ram
- Includes adaptor ring for use with 08780000 Universal Press & Pull Sleeve Kit (see page 18)
- Can be used in the following formats:
  - On its own as a stand alone tool
  - With Universal Press & Pull sleeve kits
- Open frame design - 200mm of clearance through the press frame
- Ideal for use with individual model specific press piece sets – Refer to page 21



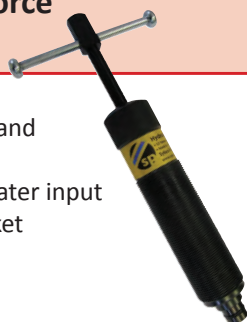
### Extended Press Frame c/w 12 tonne Hydraulic Ram 18703500

- Ideal for use when increased internal clearance is required for ball joint removal & installation
- 12 tonnes of Hydraulic Power
- Open frame design - 350mm of clearance through the press frame
- Ideal for use with individual model specific press piece sets - Refer to page 21



### Hydraulic Ram - 12 tonnes force 18000000

- SP 12 tonne Hydraulic Ram
- Standard Power unit for 187000V2 and 18703500 press frames
- Features Hex Drive, to allow for greater input with use of Ratchet spanner or Socket



### Extension Set for Universal Press Frame 18780100

- For use with 187000V2 Press Frame to access the full range of applications available
- Increases internal clearance dimension from 200mm to 350mm



## Universal C Clamps

- Universal clamps for the dismantling and installation of suspension parts on the vehicle
- Specially designed Universal Clamps for use with the '0878' / '0879' Series Press & Pull Sleeve Kits
- Designed to allow greater access in restricted situations and where the Universal Press Frame is not suitable
- Special 'trapezoidal' threaded screw, allows for the application of greater force and can be used with Impact Air Wrenches, as well as standard ratchets / wrenches etc. Also capable of accepting the SP1500 or SP1800 Hydraulic Rams.



### 18780200

- Internal frame dimensions: 245mm x 70mm



### 18780300

- Internal Frame dimensions: 170mm x 60mm
- Use with specific Ball Joint piece sets for individual applications
- Ideal for Mercedes applications (Ref: 18747100 / 18747200)





## Press Piece Sets

Certain vehicle models require model specific sets of press pieces due to the specific design of the vehicle components. The following Individual Press Piece sets have been developed for such circumstances, and should be used in conjunction with the Universal Press Frames (187000V2 / 18703500 - page 20), Universal C Clamps (18780200 / 18780300 - page 20) or the Universal Press & Pull Sleeve Kit (08780000 - page 18)

### Press Piece Set - BMW E36 / E46 18720100

- BMW E36 / E46 Rear Suspension Bushes



### Press Piece Set - Renault Laguna 18750100

- Renault Laguna Rear Suspension Bushes



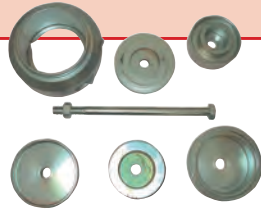
#### Spare Parts:

- 18751170 - Spindle



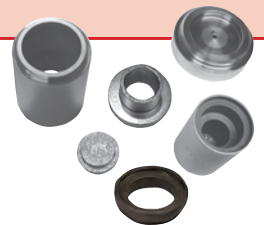
### Press Piece Set - VW Golf 4 / Audi A2 & A3 18760200

- VW Golf 4 / Audi A2 & A3 Rear Suspension Bushes



### Press Piece Set - Opel Movano / Renault Master / VW T4 187502V2

- Opel Movano / Renault Master and VW T4 Ball Joint Removal & Installation



### Press Piece Set - VW LT & Mercedes Sprinter 18760300

- VW LT & Mercedes Sprinter Ball Joints



### Press Piece Set - Mercedes Sprinter 18740300

- Mercedes Sprinter ('96 onwards)
- VW LT / Crafter



### Mercedes Suspension Arm Adaptor Set 18747100

- For use on Inner Torsion Bar Ball Joints
  - Mercedes W211 (E Class '02 - '09)
  - Mercedes W220 (S Class '98 - '06)



*This set can be used in conjunction with either 18780200 - Universal C Clamp or with 18780300 Ball Joint C-Clamp when working off-the-vehicle – However, for on the vehicle usage, the Ball Joint C-Clamp 18780300 has been designed for this purpose.*

### Mercedes Ball Joint Adaptor Set 18747200

- For use on Outer Ball Joints
  - Mercedes W211 (E Class '02 - '09)
  - Mercedes W220 (S Class '98 - '06)
  - Mercedes W230 (SL Class '02 - '09)



*This set can be used in conjunction with either 18780200 - Universal C Clamp or with 18780300 Ball Joint C-Clamp when working off-the-vehicle – However, for on the vehicle usage, the Ball Joint C-Clamp 18780300 has been designed for this purpose.*

## Suspension Ball Joint Removal Kit for LCV - Opel Movano / Renault Master / VW T4 187512V2

- Set of model specific tools for the dismantling and installation of suspension ball joints on the vehicle
- Kit for Upper and Lower Ball Joint removal and installation
- Contents:
  - 187000V2 - Universal Press Frame with 12 tonne Hydraulic Power Ram
  - 187502V2 - Press Piece Set - Combined Set for Movano / Master / VW T4



## Suspension Ball Joint Removal Kit - Mercedes Sprinter / VW Crafter - LT 18741300

- Set of model specific tools for the dismantling and installation of suspension ball joints on the vehicle
- Kit for Suspension Ball Joint removal and installation
- Contents:
  - 187000V2 - Universal Press Frame with 12 tonne Hydraulic Power Ram
  - 18740300 - Press Piece Set - Suspension Joints for Mercedes Sprinter 1996- and Volkswagen Crafter / LT



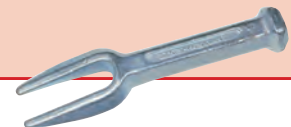
## Ball Joint Separator - Direct Action Type - Car applications 66031000

- Suitable for most popular car applications
- **Specification:**
  - Jaw Opening: 50mm
  - Jaw Throat Width: 19mm
  - Jaw Throat Depth: 20mm



## Ball Joint Splitter 66049000

- **Specification:**
  - Length: 195mm
  - Jaw Throat Width: 15mm
  - Jaw Throat Depth: 69mm



## Long Reach Ball Joint Splitter 08060000

- Long reach tool, ideal for ease of access, without being restricted by wheel arches
- **Specification:**
  - Length: 400mm
  - Jaw Throat Width: 18mm
  - Jaw Throat Depth: 70mm



## Ball Joint Separator - HGV applications

**08070000**

- Strong, heavy duty body, with strengthened fork and lever, allows for greater force to be applied
- Can be upgraded to hydraulic power (use 08075000 Upgrade Kit - See below)

• **Specification:**

- Jaw Opening: 70mm
- Jaw Throat Width: 36mm - Jaw Throat Depth: 50mm

**Spare Parts:**

- 08071170 - M24 x 3.0 x 140mm Screw
- 08071470 - Pivot Pin



## Hydraulic Upgrade Kit - for use with 08070000 HGV Ball Joint Separator (above)

**08075000**

- Upgrade Kit for use with 08070000 HGV Ball Joint Separator - to provide Hydraulic Power
- Uses hydraulic power from the SP 1500 series Hydraulic Ram
- Provides up to 8 tonnes of hydraulic pressure

**Spare Parts:**

- 18071170 - Adjusting Screw
- 18071200 - Adjusting Plunger



## Hydraulic Ball Joint Separator – HGV applications

**18070000**

- Hydraulic version of the 08070000 HGV Ball Joint Separator (above)
- Uses hydraulic power from the SP 1500 series Hydraulic Ram
- Provides up to 8 tonnes of hydraulic pressure

• **Specification:**

- Jaw Opening: 70mm
- Jaw Throat Width: 36mm - Jaw Throat Depth: 50mm

**Spare Parts:**

- 18071170 - Adjusting Screw
- 18071200 - Adjusting Plunger



## 4 Way Ball Joint Separator - Car / LCV applications

**080500V2**

- Unique 4-way lever design allows for a wide variety of applications
- 4 options are available, by removing the pin and selecting any of the 4 positions
- Tapered, slim jaw fork design with tough, black epoxy coating

• **Specification:**

- Jaw Opening: 24 / 30 / 40 / 45mm options
- Jaw Throat Width: 19mm
- Jaw Throat Depth: 30mm

**Spare Parts:**

- 080511V2 - Force Screw
- 080514V2 - Retaining Pin



## Ball Joint Separator - Car / LCV applications

**66055000**

• **Specification:**

- Jaw Opening: 45mm
- Jaw Throat Width: 19mm
- Jaw Throat Depth: 30mm



## Hub Pullers

The Sykes-Pickavant Hub Puller range comprises of a wide variety of puller types, all using interchangeable components – whether Hydraulic, Impact or Mechanical, all parts can be used in more than one format, thus providing flexible pulling options, and value for money.

### Hydraulic & Mechanical Hub Puller Kit

**12730600**

- Can be used on a variety of wheel stud pattern applications
  - 4, 5, 6 stud hubs, with pitch circle up to 203mm
- SP1500 Series Hydraulic Power Ram allows for smooth, progressive application of up to 8 tonnes of force
- Fine pitch thread for easy adjustment
- Floating plunger with free moving legs, enables quick and easy attachment to vehicle hubs
- Can be used in 3, 4 or 5 leg combinations
- Heavy duty force screw with impact handle included, where shock action is required to 'break' stubborn hubs
- Supplied in steel storage case

**• Specification:**

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| - Leg Reach: 158mm                 | - Spread Capacity: 203mm          |
| - Stud Hole Diameter: 15.8mm       | - Puller Plate Thread: 1.1/2" BSW |
| - Hydraulic Ram Thread: 1.1/2" BSW | - Impact Screw Thread: 1.1/2" BSW |



**Spare Parts:**

- |   |                                 |
|---|---------------------------------|
| • 15000000 - Hydraulic Ram 8 tonnes force | • 12731100 - Impact Force Screw |
| • 15242200 - Ram Extension 2"/50mm        | • 08251900 - Shock Handle       |
| • 15002700 - Ram Nose Piece               | • 08251400 - Puller Leg         |
| • 12731200 - Plunger Body                 |                                 |

### Hydraulic Hub Puller c/w 5 legs

**12730500**

- Can also be used with Heavy Duty Slide Hammer 08530900 (below) for greater impact force



### Mechanical Hub Puller c/w 5 legs

**08250500**

- Can also be used with Heavy Duty Slide Hammer 08530900 (below) for greater impact force, or with SP1500 series hydraulic ram for controlled application of force



### Hydraulic Ram - 8 tonnes force

**15000000**

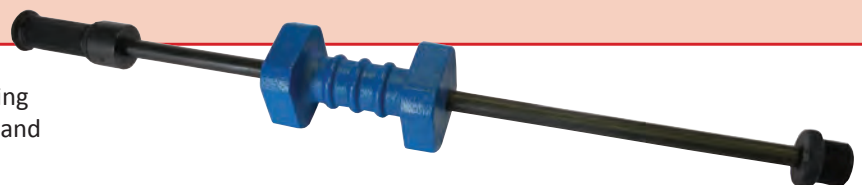
- SP1500 Series 8 tonnes Hydraulic Ram
- Standard power unit for SP Hub Pullers and can also be used with many alternative SP puller applications e.g. 3 leg pullers, ball joint pullers, suspension bush removers etc



### Heavy Duty Slide Hammer Assembly (4.1kg)

**08530900**

- For when greater impact is required
- Hub pullers can be further enhanced when using this heavy duty tool, which is fully compatible and can be fitted directly into the Puller Ring Plate



## Hub Puller System

- Features an interchangeable adaptor which allows it to be used in three different formats, depending on the users requirements:
  - Mechanical Screw 5/8" UNF thread, 24mm Hex Drive
  - Slide Hammer 5/8" UNF thread, 1.6kg Hammer Weight
  - Hydraulic Ram (15000000) 8 tonnes force
- It has a specially enlarged central dome to accommodate larger wheel hub caps (e.g. Ford Focus) as found on many modern vehicles
- It has been designed with an extended spread pattern, to accommodate up to 175mm stud circle diameters

### • Specification:

- Spread: 175mm
- Stud Hole Diameter: 14mm
- Hub Centre Diameter (max): 72mm
- Hub Centre Depth (max): 23mm
- Thread: 1<sup>1/2</sup>" BSW

Customers who purchase any version of the new Hub Puller (i.e. 08530000, 08530600 or 08531600) can easily upgrade to any other version simply by purchasing the appropriate components.

### Spare Parts:

- 08530870 - Hub Puller Plate
- 08531100 - Mechanical Screw
- 08530700 - Slide Hammer
- 15000000 - Hydraulic Ram
- 12731100 - Impact Screw
- 08251900 - Shock Handle
- 08531270 - Adaptor for Slide Hammer

### Mechanical Hub Puller 08530000



#### Includes:

- 08530870 - Hub Puller Plate
- 08531270 - Adaptor for Mechanical Screw
- 08531100 - Mechanical Screw - 5/8" UNF x 4" x 24mm Hex



### Slide Hammer Hub Puller 08530600

#### Includes:

- 08530870 - Hub Puller Plate
- 08531270 - Adaptor for Slide Hammer
- 08530700 Slide Hammer 5/8" UNF x 1.6Kg



### Hydraulic Hub Puller 08531600

#### Includes:

- 08530870 Hub Puller Plate
- 15000070 Hydraulic Ram c/w Nose Piece



### Impact Force Screw 12731100



- Can be used in any SP Hub Puller in place of Hydraulic Ram or Slide Hammer (1<sup>1/2</sup>" BSW thread)
- Use in conjunction with 08251900 Shock Handle (right)

### Shock Handle 08251900



- Use in conjunction with 12731100 Impact Force Screw (left) - allows for greater force to be applied

### Slide Hammer Assembly (1.6kg) 08530700

- Slide Hammer 5/8" UNF x 1.6Kg
- Can be used in many standard pulling applications (with 5/8" UNF thread) or in heavier applications with adaptor 08531270 (1<sup>1/2</sup>" BSW thread)



## Hydraulic Hub Puller

18500000

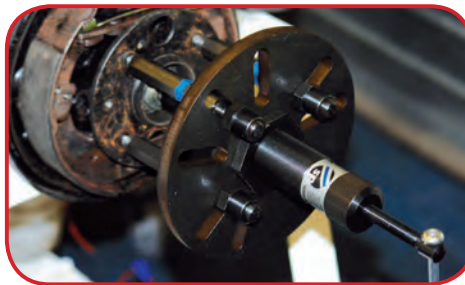
- Universal hub puller, uses power from the '1500' series ram (8 tonnes)
- Compatible with 3,4,5 & 6 stud wheel hubs
- Supplied with threaded studs / extended nuts to cover 5 popular thread patterns
- Colour coding of studs / extended nuts makes for easy identification and component selection
- Vehicle model / stud pattern applications chart provided

*Note: Hydraulic Puller Kit ref 18500000 can also be used with Heavy Duty Slide Hammer (08530900) or with Impact Force Screw (12731100) where impact force is required.*

### Applications:

Can be used with the following thread forms:

- M12 x 1.25 studs
- M12 x 1.5 studs
- M14 x 1.5 studs
- M12 x 1.25 extended nuts
- M12 x 1.5 extended nuts



### Spare Parts:

- |  |   |
|--|---|
| • 15000000 - Hydraulic Power Ram           | • 18500700 - M14 x 1.5 Stud                           |
| • 18500100 - Hub Puller Plate              | • 18500800 - M12 x 1.25 Extended Nut                  |
| • 18500200 - Ram Convertor c/w Locking Nut | • 18500900 - M12 x 1.5 Extended Nut                   |
| • 18500400 - Shoulder Nuts (Pack of 4)     | • 18502100 - M12 x 1.25 / M12 x 1.5 Double Ended Stud |

## LCV Impact Hub Puller

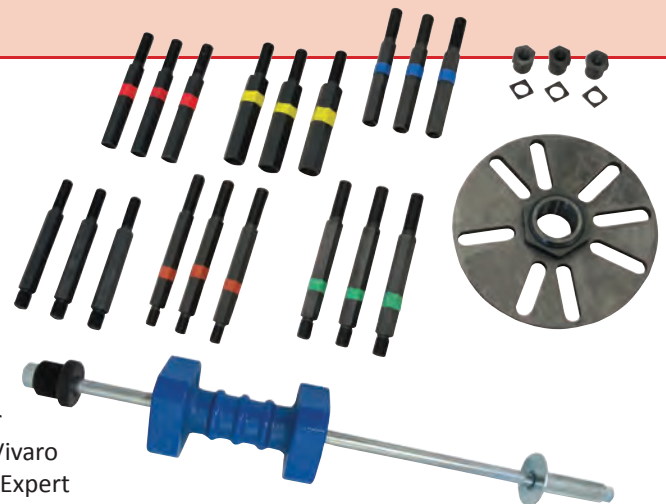
18550000

- To fit 5 and 6 stud hubs on LCV's with a pitch circle of 90-170mm
- Six sets of male & female connector rods
  - M12 x 1.25 / M14 x 1.5 / M16 x 1.5 male fittings
  - M12 x 1.5 / M14 x 2.0 / M18 x 1.5 female fittings
- Supplied with Heavy Duty 4.1Kg Slide Hammer
- Fully comprehensive LCV applications chart provided

*Note: Can also be used with '1500' series hydraulic ram where controlled application of force is required*

### Applications:

- |   |                           |
|---|---------------------------|
| - Citroën Jumpy / Dispatch / Jumper / Relay | - Nissan Primastar        |
| - Ford Transit                              | - Opel Movano / Vivaro    |
| - Fiat Ducato                               | - Peugeot Boxer / Expert  |
| - Iveco Daily 2 / Daily 3                   | - Renault Master / Trafic |
| - LDV Maxus                                 | - VW Transporter / LT     |
| - Mercedes Sprinter / Vito                  |                           |



### Spare Parts:

- |  |   |
|--|---|
| • 08530900 - Heavy Duty Slide Hammer       | • 18500900 - M12 x 1.5 Extended Nut                   |
| • 18500100 - Hub Puller Plate              | • 18501000 - M16 x 1.5 Extended Nut                   |
| • 18500200 - Ram Convertor c/w Locking Nut | • 18501100 - M18 x 1.5 Stud                           |
| • 18500400 - Shoulder Nuts (Pack of 4)     | • 18501900 - M14 x 2.0 Stud                           |
| • 18500700 - M14 x 1.5 Stud                | • 18502100 - M12 x 1.25 / M12 x 1.5 Double Ended Stud |

## Ford Transit Hub & Front Wheel Bearing Remover Kit

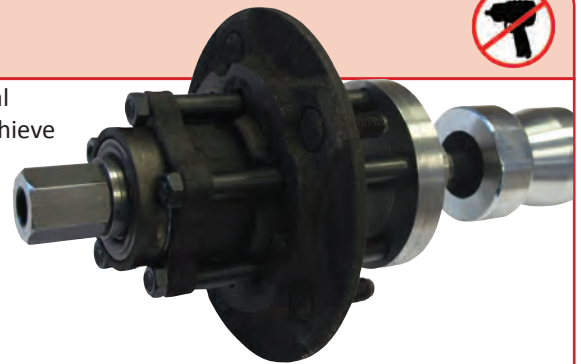
**08254500**



- For Ford Transit Mk6 & Mk7 Hub and complete front wheel bearing removal
- Features a heavy duty slide hammer which operates in two directions to achieve multiple operations in one tool
- Provides three different solutions in one kit:
  - Can be used as a traditional hub puller
  - Use the slide hammer in the reverse direction to remove the outer bearing race
  - Remove the stubborn inner bearing race




Scan the QR code to watch an overview video of the Ford Transit Hub & Front Wheel Bearing Remover Kit



Scan the QR codes below to watch a video of the three different solutions this tool provides



**Hub Removal**



**Outer Bearing Race Removal**



**Inner Bearing Race Removal**

### Spare Parts:

- 082545-01 - Nut & washer pack
- 082545-02 - 1 x Ring
- 082545-03 - Legs x 5 with nuts pack
- 09510000 - Separator Assembly

## Ford Transit Brake Disc Remover

**08253500**

- Removes the front brake discs (without damaging the bearings) on FWD and RWD Ford Transits from 2001 onwards
- Manufactured from Chrome Molybdenum for strength
- For use specifically with Ford Transits 2001 onwards
- Removes front brake discs without damaging the bearings
- Can be used on FWD & RWD

N.B. Equivalent to Ford OEM Tool ref 204-345B



## Ford Transit Rear Hub Puller

**08254000**



- Specifically designed for removal of the Rear Hub on FWD Ford Transits
- The bearings on these Transits often seize in place, requiring this special tool for removal of the hub
- Application: Ford Transit 2000 onwards (Front wheel drive models only)
- Equivalent to Ford OEM tool 204-595-09
- Includes safety chain to prevent hub assembly from accidentally falling on operators foot / leg
- Can also be used with the following in place of Impact Screw:
  - 08530900 Heavy Duty Slide Hammer - as used in 18550000 Hub Puller
  - 15000000 Hydraulic Ram - as used in 18500000 Hub Puller



## HGV Wheel Puller

20870000

- Hydraulic system for safe and speedy removal of stubborn HGV road wheels
- Compact yet powerful self-contained hydraulics provide the force to remove even the tightest of road wheels
- Large adjustment range (200mm) for use on inner wheels, outer wheels and 'super single' wheels
- Fast action 12 tonne Hydraulic Cylinder ensures speedy application of the force, which limits roadside working time and safety risks
- Supplied with two sets of multi-application hooks to suit different types of steel road wheels
- Hook sets are attached to the end of the pulling chains, and positioned evenly around the wheel rim, to provide a 'square' and progressive pulling action - Force is applied from the hydraulics to the wheel, via the standard pushing ring which pushes against the hub assembly
- Designed, developed and built in the UK
- Supplied in sturdy steel case for transport and security



## HGV Wheel Puller - Optional Extras

- 20872200 - Special Pulling Hooks for Alloy Wheels (set of 4)
- 20872100 - Small Pushing Ring for use on Front Wheels, Trailers, and Smaller Diameter Wheels
- 20873000 - Mobile Trolley - for ease of movement around workshop, and alignment with wheels and hubs

## HGV Wheel Puller - Master Kit

20875000

- Kit contents as per 20870000 (above) plus:
  - Small pusher ring for front, mini & trailer wheels
  - Extra set of hooks for aluminium rims
  - Trolley to easily and accurately locate the puller onto the wheel, making truck wheel removal even easier

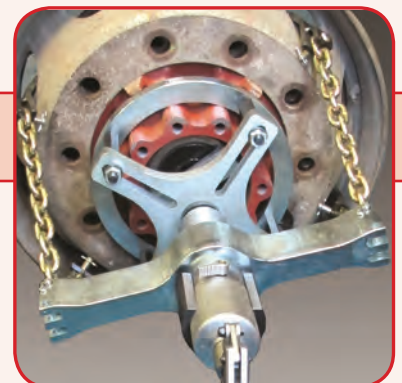


## HGV Wheel Puller - Specifications

- Hydraulic force (max): 12 tonnes
- Cylinder adjustment & travel: 200mm
- Large press ring ID: 220mm
- Small press ring ID: 150mm
- Pulling chains: 325mm length
- Pulling beam: 400mm width
- Puller weight: 29.8Kg (excluding storage case)
- Trolley: 800W x 430D x 500H mm (max)
- Trolley weight: 9.8Kg

## HGV Wheel Puller - Spare Parts

- 20871000 - Hydraulic Pump Assy 12 tonnes
- 20871300 - Pulling Chains (set of 4)
- 20871400 - Chain Connecting Pins (set of 2)
- 20871500 - R Clips (set of 8)
- 20871600 - Pulling Hooks - Steel Rims (set of 4)
- 20871700 - Pulling Hooks - Steel Rim Outer (set of 4)
- 20872200 - Special Pulling Hooks for Alloy Wheels (set of 4)





## 'Vibro-Impact' Air Hammer

90206000

- A unique concept to aid the removal of seized suspension parts
- The 'Vibro-Impact' system allows for the controlled application of force via an air powered Impact Hammer
- Allows the operator to control and gradually increase the force being applied, in order to loosen seized components
- Features a built-in shock-absorber in order to minimise risk of damage if too much pressure is accidentally applied. Low vibration for user comfort
- Supplied with a handy wall mounted storage bracket and a set of four Impact Hammers for variable applications

**Specification:**

- Weight: 2.49kg
- Length: 290mm
- Air supply: 6.2bar (90psi)
- Air usage: 114 ltrs / min
- Stroke: 2200 bpm
- Noise level: 100dBA



Scan the QR code to watch a video of the 'Vibro-Impact' Air Hammer

Whilst the 'Vibro-Impact' Air Hammer has been designed for use on suspension parts, there are a number of additional applications where its use may prove to be convenient – e.g. Seized or rusted nuts / bolts on any part of the vehicle and seized injectors where there is no need to retain the injector for future use.

**Spare Parts:**

- 90221000 - Tie Rod Separator Bit
- 90223000 - Ball Joint Separator Bit
- 90222000 - Hammer Bit
- 90224000 - 1/2" Sq Drive Bit

## SP Induction Heater +

96020000 - UK Version    96020100 - EU Version

The SP Induction Heater + is a redesign and upgrade of the popular Mini-Ductor II® and uses new engineering technology for increased energy efficiency and ease of use. Now you can use the power of technology with a flameless heat to quickly release corroded or seized components and other metallic parts. All without the damage normally associated with gas torches. Heats in seconds!

**Key features of the SP Induction Heater +**

- Operates cooler for better efficiency, handling and product longevity
- Long operating cycle time
- Carry Case; with storage for all attachments, fits in tool chests for security
- Integrated CE filter improves handling of product
- Specifically designed for the UK/EU: 230v/6 amp/1000 watt – with full CE certification
- LED work light illuminates work area
- 1 year warranty - Parts/Labour
- A true 1,000 watts max output power available
- Kit includes rope, u-form and pre-formed coil

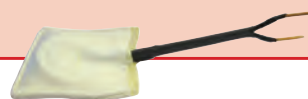


Made by Induction International Inc., a US company, for Sykes-Pickavant

## SP Heat Pad

96025000

- Silicone free pad for safe bodyshop use
- Softens the adhesive on mouldings, stripes etc for easy removal



## SP Rope Coil

96026000

- Highly adaptable coil allows user to shape to suit
- Use three / four windings of coil for maximum performance



## SP Induction Heater Coil Kit

96015000

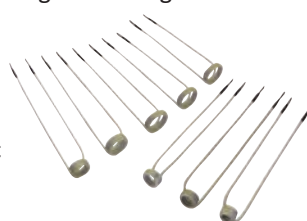
- Contains 8 x popular sizes of interchangeable coils:
- 19mm, 22mm x 2, 26mm, 32mm, 38mm, 45mm, 22mm - long



## SP Induction Heater Extended Coil Kit

96035000

- Contains 8 x extra long interchangeable coils (330mm long):
- 19mm, 22mm x2, 26mm x2, 32mm, 38mm, 45mm
- Supplied in plastic tube



**Individual Coils:**

Part No.	Coil Size Diameter
96021900	19mm
96022200	22mm
96022600	26mm
96023200	32mm
96023800	38mm
96024500	45mm

**Individual Extended Coils:**

Part No.	Coil Size Diameter
96031900	19mm (330mm long)
96032200	22mm (330mm long)
96032600	26mm (330mm long)
96033200	32mm (330mm long)
96033800	38mm (330mm long)
96034500	45mm (330mm long)

### Impact Wrenches

**A NEW range of high quality impact wrenches that set the standard for Torque**

- Smart design and ergonomically designed handle
- Single-switch can be changed for easy forward or reverse operation
- Easily adjustable torque regulator
- Can be configured for right and left handed use
- Composite body
- Powerful twin-hammer mechanism



#### Impact Wrench Specifications:

Part No.	Drive	Max Torque Nm (Reverse)	Torque Nm (Fwd)	Noise (dBA)	Air Consumption (l / min)	Weight (kg)
90203500	1/4"	90	90	98.2	105	0.9
90202500	3/8"	680	500	93.5	130	1.08
90201000	1/2"	1600	1084	94.2	135	1.8
90201500 (Mini)	1/2"	680	500	93.5	130	1.08
90202000	3/4"	2600	2000	97	210	3.2
90204500	1"	3100	2200	110	305	6.8



90204500 with 190mm long anvil

#### Rubber Boot (For 90201000) 90201100

- For use with 90201000 1/2" Impact Wrench (above)
- Protects gun from accidental damage



N.B. Impact wrench not included

#### Signal Hose - 10mm (3/8") 90210000

- Length: 10 metres
- High-visibility hose to reduce trip hazard
- Abrasion resistant outer cover
- Working temp range -40°C to +65°C
- Working pressure 300psi
- Break pressure 1000psi



N.B. Hose supplied without fittings

### Air Ratchets

- Ergonomic handle
- 360 degree turnable exhaust

#### Air Ratchet Specifications:

Part No.	Drive	Torque Nm	Noise (dBA)	Air Consumption (l / min)	Weight (kg)
90204000	1/4"	60	92.1	100	0.7
90203000	3/8"	170	84.2	113	1.55
90203100	1/2"	170	84.2	113	1.55

