



Sykes-Pickavant®
Specialist Tool Solutions



INDUSTRIAL CATALOGUE

2024



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MECHANICAL

MECHANICAL PULLERS

MICRO PULLERS

FAST FIT MICRO PULLER

- For rapid removal of small bearings.
- Covers a wide range of automotive and engineering applications including: alternators/generators, domestic appliances, power tools and pumps.
- Self-centring force screw with 'T' bar and 13mm hexagon drive.
- Drop forged legs with independent leaf springs.
- Securing collar tightens under load for positive, non slip pulling action.
- Suitable for ISO referenced bearings.
- 1 tonne capacity.

Specifications

Part No.	Puller Spread Min - Max mm	Puller Reach Max mm
08215000	19 - 45	73

Contents

Spare Parts Part No.	Qty	Description
08210300	1	Forcing Screw
08210400	1	Nose Piece Extension
08210570	3	Leg

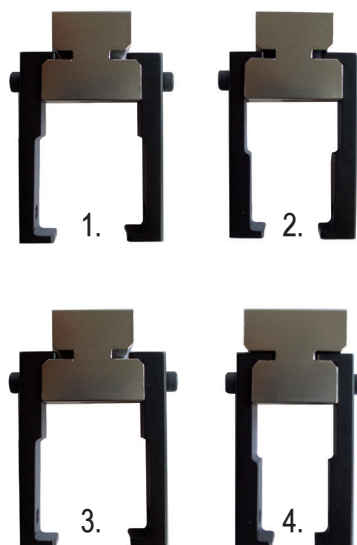
08215000



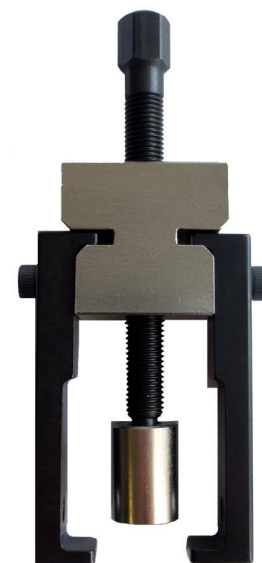
4 WAY MINI PULLER

- Ideal for windscreen wiper arms.
- Unique 4 way design allows for 4 different jaw widths to be selected.
- Reversible and interchangeable legs.
- Removable centrepiece for wider application coverage.
- Capacity from 19-36mm.

4 Assembly Options



08245000



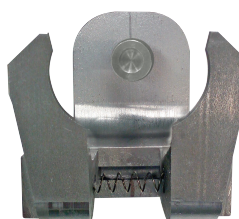
UNIVERSAL WIPER EXTRACTOR WITH ADJUSTABLE FORK

- Universal capabilities - Wide adjustment range covers different sizes.
- Extractor for removing the wiper arm from the wiper shaft.
- Special version with adjustable fork spring.
- Extraction spindle with aluminium turning head to prevent damage to shaft.
- Ultra-thin fork design for usage in narrow spaces.
- Wide radius for work on large wipers.
- Strong design for use on seized windscreen wipers.
- Spring mechanism balances the pressure on half-fork.

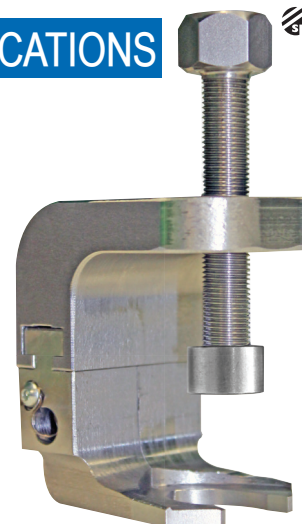
UNIVERSAL APPLICATIONS

Specifications

Screw	M10 x 1.0
Connection	SW 17 mm
Fork Width	16 - 38 mm
Working Height	48 mm
Weight	0.5 kg






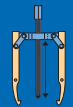
G01151



DOUBLE ENDED REVERSIBLE
LEG PULLERS

- Two legs for removing gears, races, bearings and sprockets.
- Automotive and industrial applications.
- Drop forged steel legs, beam and jaws.
- Heat treated for strength and durability.
- Can be upgraded for triple leg pulling.
- Supplied in cardboard box.
- See page 21 for kit contents.
- See page 24 for component illustrations.

Specifications




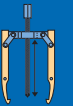
Leg Style: Double Ended Reversible		 Part No.	 Spread Min - Max mm	 Reach Max mm
Double ended legs for external use		08300000	0 - 150	80
		08310000	0 - 200	140



STANDARD ADJUSTABLE LEG
PULLERS

- Two legs for removing gears, races, bearings and sprockets.
- Automotive and industrial applications.
- Drop forged steel legs, beam and jaws.
- Heat treated for strength and durability.
- Can be upgraded for triple leg pulling.
- Supplied in cardboard box.
- See page 21 for kit contents.
- See page 24 for component illustrations.

Specifications

Leg Style: Standard Adjustable		 Part No.	 Spread Min - Max mm	 Reach Max mm
2/3 positions, adjustable legs for increased pulling options		08320000	0 - 300	250
		08330000	0 - 350	380





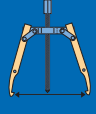
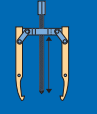
MECHANICAL PULLERS

MECHANICAL TRIPLE LEG PULLERS

- Three legs for removing gears, races, bearings and sprockets.
- Different leg styles available - see tables below.
- Automotive and industrial applications.
- Double ended legs for external use.
- Drop forged steel legs, beam and jaws.
- Heat treated for strength and durability.
- Supplied in cardboard box.
- See page 21 for kit contents.
- See page 24 for component illustrations.

DOUBLE ENDED REVERSIBLE LEG PULLERS




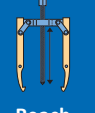
Specifications

Leg Style: Double Ended Reversible		 Part No.	 Spread Min - Max mm	 Reach Max mm
Double ended legs for external use		08270000	0 - 150	80
		08280000	0 - 200	140



STANDARD ADJUSTABLE LEG PULLERS

Specifications

Leg Style: Standard Adjustable		 Part No.	 Spread Min - Max mm	 Reach Max mm
2 / 3 positions, adjustable legs for increased pulling options		08290000	0 - 300	250
		08340000	0 - 350	380





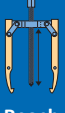
MECHANICAL PULLERS

TWIN / TRIPLE LEG MECHANICAL PULLERS

GOLD TWIN/TRIPLE LEG PULLER

- For removing bearings, gears, pulleys and sprockets.
- 2 position adjustable legs for increased pulling options.
- Fine pitch force screw with built in 'T' bar for smooth operation.
- 1 tonne capacity.
- Supplied in cardboard box.

Specifications

Leg Style		 Part No.	 Spread Max mm	 Reach Max mm
Standard Adjustable		08230000	0 - 60	50


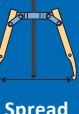




 **08230000**

TWIN/TRIPLE REVERSIBLE LEG MECHANICAL PULLER KITS

- Twin and triple beams and double ended legs for a wide range of pulling options.
- See below for packaging options.
- See page 24 for component illustrations.

Specifications

Leg Style: Double Ended Reversible	 Part No.	 Spread Min - Max mm	 Reach Max mm	No. of Puller Combinations
	08270500	0 - 150	80	4
	08280500	0 - 200	140	4
	08490000	0 - 200	140	8
	08490300	0 - 200	140	8

Contents

Part No.	Spare Parts Part No.	Qty	Description	Packaging
08270500	08271100	1	Forcing Screw	Cardboard Box
	08271200	1	Twin Head	
	08271300	1	Triple Head	
	08271400	3	Leg Assembly-Reversible	
08280500	08281100	1	Forcing Screw	Cardboard Box
	08281200	1	Twin Head	
	08281300	1	Triple Head	
	08281400	3	Leg Assembly-Reversible	
08490000	Contains both kits 08270500 & 08280500			Metal Case
08490300	Contains both kits 08270500 & 08280500			Cardboard Box





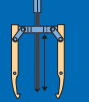
 **08280500**

MECHANICAL PULLERS

MECHANICAL PULLER KIT

- Makes 12 separate mechanical 2 or 3 leg pullers.
- Twin and triple heads, double ended reversible and standard adjustable legs for a wide range of pulling options.
- Supplied in metal case.
- See page 24 for component illustrations.

Specifications

 Part No.	 Spread Min - Max mm	 Reach Max mm	No. of Puller Combinations
08420000	0 - 350	380	12

Contents

Spare Parts Part No.	Qty	Description
08271100	1	Forcing Screw
08271200	1	Twin Head
08271300	1	Triple Head
08271400	3	Leg Assembly - Reversible
08281100	1	Forcing Screw
08281200	1	Twin Head
08281300	1	Triple Head




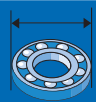
 08420000

Spare Parts Part No.	Qty	Description
08281400	3	Leg Assembly - Reversible
08291100	1	Forcing Screw
08291200	1	Twin Head
08291300	1	Triple Head
08291400	3	Leg Assembly - Standard Adjustable
08331400	3	Leg Assembly - Standard Adjustable

SEPARATORS

- Individual separators for removing and refitting bearings, etc.
- Can be used with any of the Sykes-Pickavant design of pullers where standard legs cannot gain access.
- Tapered jaws provide all round support.
- Supplied in Cardboard Box.

Specifications

 Part No.	 External Spread Min - Max mm	Use with
09500000	10 - 55	Can be used with 08300000 Twin Leg Puller or 09400000 Twin Leg Pulling Unit
09510000	20 - 105	Use with 08310000 Twin Leg Puller or 09410000 Twin Leg Pulling Unit
09520000	35 - 140	Can be used with 08320000 & 08330000 Twin Leg Pullers or 09420000 Twin Leg Pulling Unit
09530000	50 - 175	Can be used with Sykes-Pickavant 'Loadstar' Heavy Duty Pullers or 09430000 Twin Leg Pulling Unit



 09520000



 09510000

MECHANICAL PULLERS

MECHANICAL PULLER & SEPARATOR KITS

MECHANICAL PULLER & SEPARATOR KIT

- Makes 8 mechanical pullers with 2 separators options.
- Double ended reversible legs for a wide range of pulling options.
- Supplied in metal case.
- See page 25 for component illustrations.

Contents

Spare Parts Part No.	Qty	Description
08271100	1	Forcing Screw
08271400	3	Leg Assembly - Reversible
08281100	1	Forcing Screw
08281200	1	Twin Head
08281300	1	Triple Head
08281400	3	Leg - Double Ended Reversible
09500000	1	Separator 10-55mm
09510000	1	Separator 20-105mm
08271200	1	Twin Head
08271300	1	Triple Head

Specifications

Part No.	Spread Max mm	Reach Max mm	External Spread Max mm
08490600	200	140	105



08490600

MECHANICAL PULLER & SEPARATOR KIT

- Makes 12 mechanical 2 or 3 leg pullers with 3 separator options.
- Twin and triple heads and double ended reversible legs for a wide range of pulling options.
- Supplied in cardboard box.
- See page 25 for component illustrations.

Specifications

Part No.	Spread Max mm	Reach Max mm	External Spread Max mm
08420600	350	380	140



08420600

Contents

Spare Parts Part No.	Qty	Description
08271100	1	Forcing Screw
08271200	1	Twin Head
08271300	1	Triple Head
08271400	3	Leg Assembly - Reversible
08281100	1	Forcing Screw
08281200	1	Twin Head
08281300	1	Triple Head
08281400	3	Leg Assembly - Reversible

Spare Parts Part No.	Qty	Description
08291100	1	Forcing Screw
08291200	1	Twin Head
08291300	1	Triple Head
08291400	3	Leg Assembly - Standard Adjustable
08331400	3	Leg Assembly - Standard Adjustable
09500000	1	Separator 10-55mm
09510000	1	Separator 20-105mm
09520000	1	Separator 35-140mm

MECHANICAL PULLERS

DISPLAY PANELS

- For storage/display.
- Powder coated metal board with vinyl overlay.
- Panels and hooks are available separately.
- See page 25 for component illustrations.

MECHANICAL PULLER & SEPARATOR KIT

08490500

Contents

Part No.	Qty	Description
08271100	1	Forcing Screw
08281100	1	Forcing Screw
08271200	1	Twin Beam
08271300	1	Triple Beam
08281200	1	Twin Beam
08281300	1	Triple Head
08271400	3	Leg Assembly - Reversible
08281400	3	Leg Assembly - Reversible
09500000	1	Separator 10-55mm
08601400	2	Leg 75mm - Thin Jaw
09301200	1	Twin Beam
09301500	2	Main Rod
15512800	1	Metal Display Panel 610mm X 457mm
08492900	1	Hook Kit



SLIDE HAMMER PULLER KIT

08540500

Contents




Part No.	Qty	Description
08542100	1	Slide Hammer Assembly - 1kg
08541200	1	2 Way Beam
08541300	1	3 Way Beam
08541400	3	Straight Legs
08541500	3	Cranked Legs
08541800	1	Split Collet Extractor 6.5 - 8mm
09580900	1	Split Collet Extractor 6.5 - 8mm
09581000	1	Split Collet Extractor 8.5 - 10mm
09581100	1	Split Collet Extractor 10 - 12mm
09581200	1	Split Collet Extractor 12 - 17mm
09581300	1	Split Collet Extractor 19 - 22mm
09581400	1	Split Collet Extractor 22 - 30mm
09582000	1	Adaptor



MECHANICAL EXTERNAL SEPARATOR KITS

- With tapered edge for insertion behind close fitting bearings, gears etc.
- Drop forged, high quality alloy steel, heat treated for strength and durability.
- Users should also use correct thread protector to fit bearing puller. See page 11.
- Each kit supplied in metal case.
- See page 25 for component illustrations.

Specifications

 Part No.	 External Spread Min - Max mm	 External Reach Max mm	Upgrade
09300000	0 - 55	115	-
09310000	20 - 105	876	Can be upgraded for internal pulling by adding p/n 09350000
09320000	35 - 140	860	

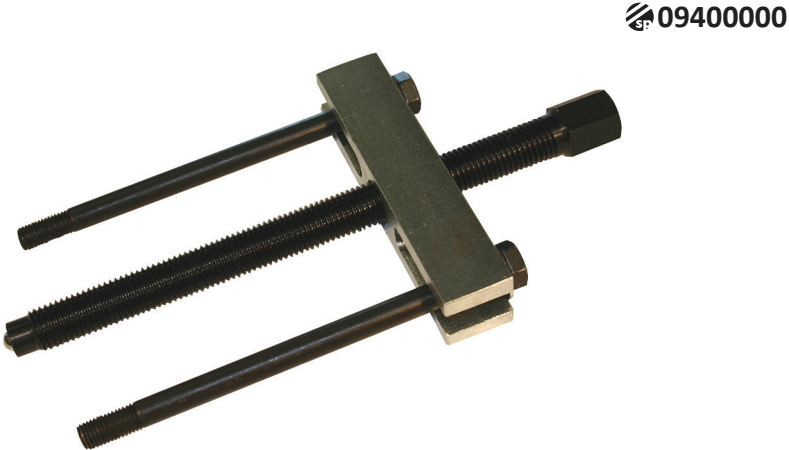
Contents

Description	Qty	Kit Part No.		
		09300000	09310000	09320000
Beam	1	09301200	09311200	09321200
Screw/thrust nut	1	08281100	09311100	09321100
Thrust race	1	-	09312100	09322100
Main rods, nuts & washers	2	09301500	09311500	09321500
5" Extension rods	2	-	09312300	09322300
Extension rods	4	-	09311900	09321900
Separator	1	09500000	09510000	09520000



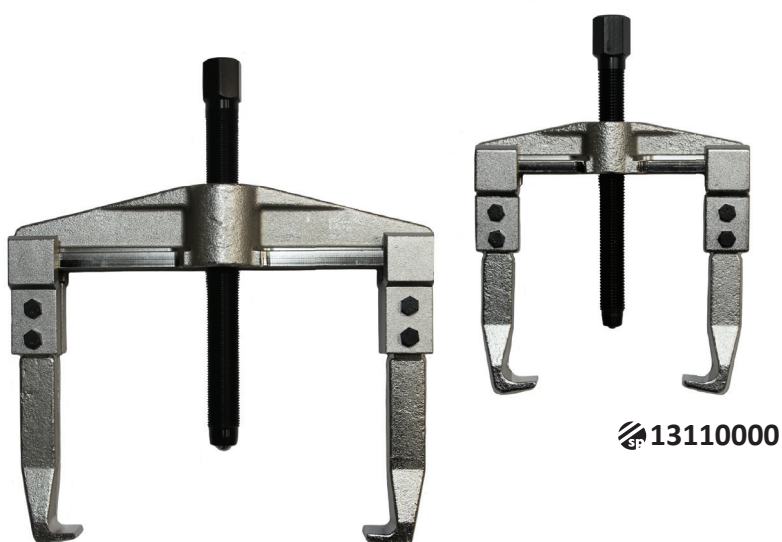
PULLING UNIT

- Basic pulling unit excluding the bearing separator.
- Compatible with 09500000 bearing separator.
- Includes twin beam, screw, thrust nut, thrust race and main rod assembly.



REVERSIBLE TWIN LEG MECHANICAL PULLERS

- Forged jaws.
- Reversible jaws - can be used internally or externally.



13110000

Specifications

Part No.	Reach mm	Min Spread for External Applications mm	Max Spread for External Applications mm	Min Spread for Internal Applications mm	Max Spread for Internal Applications mm
13110000	100	30	95	92	130
13115000	100	35	135	100	175
13120000	150	40	165	130	225
13125000	155	35	190	135	250
13130000	205	50	240	175	325
13135000	200	60	350	175	425
13140000	200	90	510	220	580

13125000



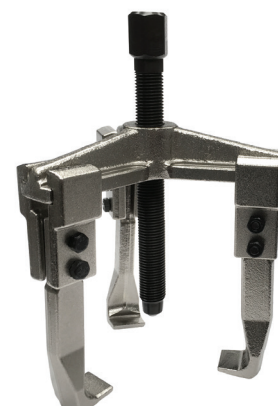
Reversible Legs for Internal / External Pulling

REVERSIBLE TRIPLE LEG MECHANICAL PULLERS

- Forged jaws.
- Reversible jaws - can be used internally or externally.



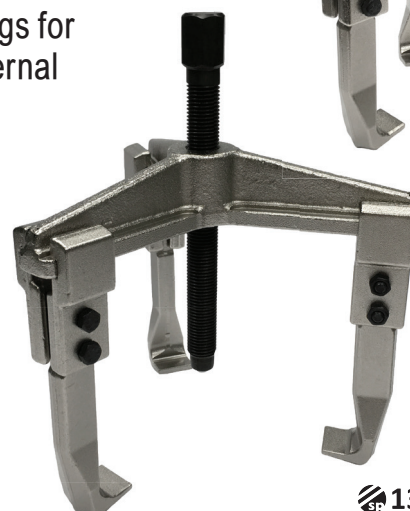
Reversible Legs for Internal / External Pulling



13210000

Specifications

Part No.	Reach mm	Min Spread for External Applications mm	Max Spread for External Applications mm	Min Spread for Internal Applications mm	Max Spread for Internal Applications mm
13210000	100	35	95	92	130
13215000	100	38	135	100	175
13220000	150	42	165	130	225



13220000

TWIN & TRIPLE LEG SELF-CENTRING PULLERS

- External 2/3 jaw puller.
- Forged jaws.
- Self-centring closure system.
- Jaw opening limiting safety feature.

Specifications

Part No.	Spread Min mm	Spread Max mm	Reach Max mm
13010000	0	110	105
13040000	0	175	185
13070000	0	240	225
13100000	0	350	410
13105000	0	405	490



13040000



13010000

MULTIPULL SPEEDLINE PULLERS

- Reversible external / internal puller.
- All models have 4 sets of legs except SPEEDLINE1815 which has 3 sets of legs (1 with 2 positions).
- Forged body.
- Spindle with 90° swivel point.

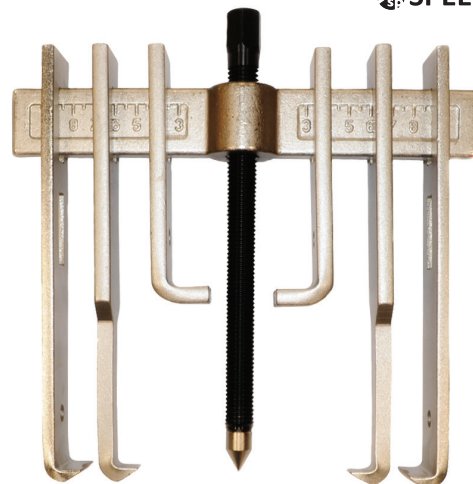


Specifications

Part No.	Reach mm	Min Spread for External Applications mm	Max Spread for External Applications mm	Min Spread for Internal Applications mm	Max Spread for Internal Applications mm
SPEEDLINE1805	140	35	173	90	155
SPEEDLINE1810	182	35	250	105	260
SPEEDLINE1815	182	35	250	105	260



SPEEDLINE1805



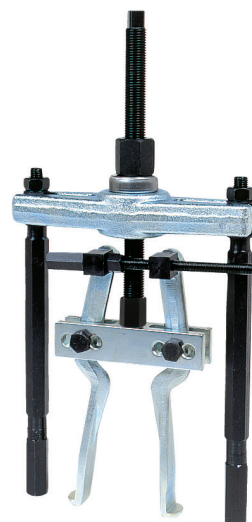
SPEEDLINE1815

MECHANICAL PULLERS

MECHANICAL INTERNAL RACE EXTRACTORS

MECHANICAL INTERNAL EXTRACTOR KIT

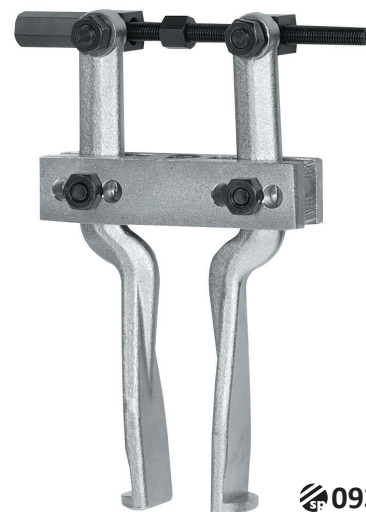
- For the extraction of bushes, sleeves and bearings from blind housings, when the centre shaft has been removed and does not allow the use of a mechanical puller.
- Supplied in Cardboard Box.
- See page 25 for component illustrations.



09450000

INTERNAL RACE EXTRACTOR

- Pulling attachment for Sykes-Pickavant bearing pullers, part numbers **09310000** and **09320000**.
- Users should also use correct thread protector to fit their bearing puller.
- Supplied in cardboard box.



09350000

Specifications

Part No.	Internal Reach Min - Max mm	External Reach Max mm	Use with	Use screw adaptor
09350000	40 - 150	100	09310000 Kit	none required
			09320000 Kit	09350100



09350100

THREAD PROTECTORS

When ordering an internal pulling attachment users should also order the correct thread protectors to fit their pulling unit or bearing puller kit.

Pulling Unit Part No. 09410000	Use thread protectors Part No. 09312000 (2)
Pulling Kit Part No. 09310000	
Pulling Unit Part No. 09420000	Use thread protectors Part No. 09322000 (2)
Pulling Kit Part No. 09320000	
Pulling Unit Part No. 09430000	Use thread protectors Part No. 09332000 (2)



09312000



09322000



09332000

SLIDE HAMMER PULLER KIT - COMBI PULL

- 3 straight legs, 3 cranked reversible legs for internal and external pulling.
- Adjustable cone ensures positive location, minimising risk of slippage.
- Supplied in cardboard box.
- See page 27 for component illustrations.

Specifications

Part No.	Leg Style	External Spread Min - Max mm	Internal Spread Min - Max mm	External Reach Max mm
08540000	Straight	66 - 105	23 - 83	75
	Cranked	66 - 105	23 - 70	65

Contents

Spare Parts Part No.	Qty	Description
08541200	1	Twin Head
08541300	1	Triple Head
08541400	3	Leg - Straight
08541500	3	Leg - Small Cranked
08542100	1	Slide Hammer Assembly 1kg
08541800	1	Cone

Combi Pull

A pulling system that offers versatility with many different puller combinations.

The system covers a wide range; automotive, industrial and engineering applications for bearings, gears, oil seals, bearing outer races and pinions.

Force screw operation produces approximately 1 tonne pressure via the 'T' bar handle.

The slide hammer allows the tool to be used where a conventional screw puller is not suitable due to the absence of a shaft.

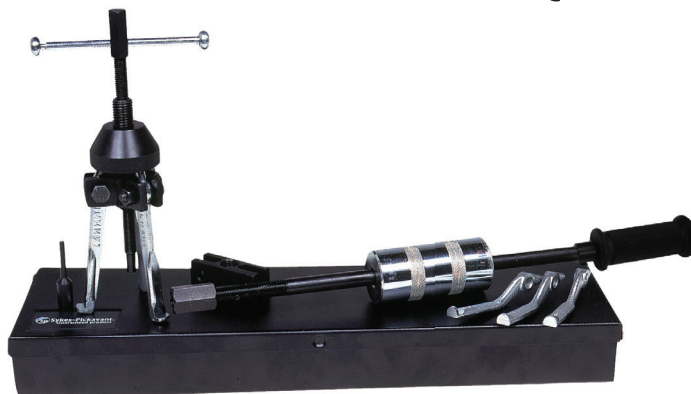


08540000

SLIDE HAMMER PULLER KIT - COMBI PULL

- 16 different puller combinations and slide hammer operation.
- Force screw operation produces 1 tonne pressure.
- 3 straight legs, 3 cranked reversible legs.
- Internal/External.
- Includes 'T' bar and screw for manual operation.
- Supplied in metal case.
- See page 27 for component illustrations.

08545000



Specifications

Part No.	Leg Style	External Spread Min - Max mm	Internal Spread Min - Max mm	External Reach Max mm
08545000	Straight	66 - 105	23 - 83	75
	Cranked	66 - 105	33 - 70	65

Contents

Spare Parts Part No.	Qty	Description
08210300	1	Forcing Screw
08210400	1	Extension Piece
08541400	3	Leg - Straight
08541500	3	Leg - Small Cranked
08542100	1	Slide Hammer Assembly 1kg
08545270	1	Adaptor
08545300	1	Cone
08545400	1	Beam Twin
08545500	1	Beam Triple
08545100	1	Hollow Bolt

MECHANICAL PULLERS

SLIDE HAMMER & SPLIT COLLET EXTRACTORS

GP 08540300

SLIDE HAMMER PULLER KIT - COMBI PULL & SPLIT COLLETS EXTRACTOR

- 3 straight legs, 3 cranked reversible legs for internal and external pulling.
- 4 split collet internal extractors.
- Adjustable cone ensures positive location, minimising risk of slippage.
- Supplied in metal case.
- See page 27 for component illustrations.



Specifications

Part No.	Leg Style	External Spread Min - Max mm	Internal Spread Min - Max mm	External Reach Max mm
08540300	Straight	66 - 105	23 - 83	75
	Cranked	66 - 105	23 - 70	65
	Split Collets	-	10 - 30	-

Contents

Spare Parts Part No.	Qty	Description
08540000	1	Slide Hammer Puller Set
09581100	1	Split Collet Extractor 10 - 12mm
09581200	1	Split Collet Extractor 12 - 17mm
09581300	1	Split Collet Extractor 19 - 22mm
09581400	1	Split Collet Extractor 22 - 30mm
09582000	1	Adaptor

INTERNAL SPLIT COLLETS EXTRACTOR KIT

- Extract components quickly and efficiently when conventional pullers cannot be used.
- Removes gears, bearings, pinions, oil seals etc.
- Can be upgraded for twin/triple leg pulling.
- Additional twin beam pulling unit available part no. **09580500**.
- Supplied in metal case.
- See page 27 for component illustrations.

GP 09580000

Specifications

Part No.	Internal Spread Min - Max mm	Twin Beam Pulling Unit p/n 09580500	No. of Split Collet Extractors
09580000	6.5 - 60	Included	9

Contents

Spare Parts Part No.	Qty	Description
08542100	1	Slide Hammer Assembly
09580500	1	Pulling Unit
09580900	1	Split Collet Extractor 6.5 - 8mm
09581000	1	Split Collet Extractor 8.5 - 10mm
09581100	1	Split Collet Extractor 10 - 12mm
09581200	1	Split Collet Extractor 12 - 17mm
09581300	1	Split Collet Extractor 19 - 22mm
09581400	1	Split Collet Extractor 22 - 30mm
09581500	1	Split Collet Extractor 30 - 38mm
09581600	1	Split Collet Extractor 38 - 50mm
09581700	1	Split Collet Extractor 50 - 60mm
09582000	1	Adaptor



INTERNAL EXTRACTOR KITS

- Extract components quickly and efficiently when conventional pullers cannot be used.
- Removes bearings, oil seals etc.
- See page 28 for component illustrations.



Contents

Description	Qty	Kit Part No.			
		09580100	09580200	09580300	09580400
Slide Hammer Assembly 1kg	1	08542100	08542100	08542100	08542100
Split Collet Extractor	Extractor 6.5 - 8mm	09580900	-	-	-
	Extractor 8.5 - 10mm	09581000	-	-	09581000
	Extractor 10 - 12mm	09581100	-	-	09581100
	Extractor 12 - 17mm	-	09581200	-	09581200
	Extractor 19 - 22mm	-	09581300	-	09581300
	Extractor 22 - 30mm	-	09581400	-	-
	Extractor 30 - 38mm	-	-	09581500	-
	Extractor 38 - 50mm	-	-	09581600	-
	Extractor 50 - 60mm	-	-	09581700	-
Adaptor	1	09582000	09582000	-	09582000

Specifications

Part No.	Internal Spread Min - Max mm	No. of Split Collet Extractors	Upgrade
09580100	6.5 - 12	3	Twin Beam Pulling Unit p/n 09580500
09580200	12 - 17 & 19 - 30	3	
09580300	30 - 60	3	
09580400	8.5 - 17 & 19 - 22	4	

TWIN BEAM PULLING UNIT

- Twin beam mechanical puller for use with Sykes-Pickavant split collet type internal extractors.
- Mechanical force screw can then be used to draw extractors in place of slide hammer.



SLIDE HAMMER ASSEMBLY - 1KG

- For use with Sykes-Pickavant split collet type internal extractors.
- Hammer displacement 220mm.
- Hammer weight 1kg.

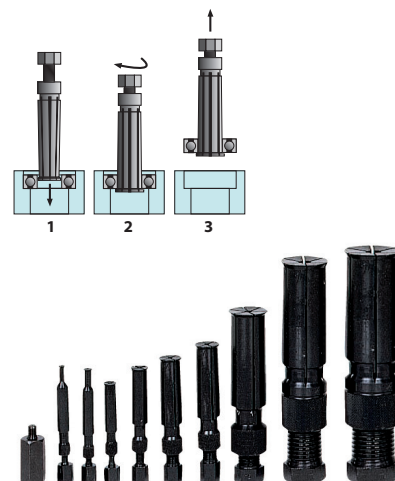


SPLIT COLLET INTERNAL EXTRACTORS

- The split collet is pushed into the centre of the bearing and then expanded via the hex nut on the end of the collet until a secure grip is achieved. The slide hammer is then attached providing the necessary extracting force.

Specifications

Part No.	Internal Spread Min - Max mm	Part No.	Internal Spread Min - Max mm	Part No.	Internal Spread Min - Max mm
09580900*	6.5 - 8	09581200*	12 - 17	09581500	30 - 38
09581000*	8.5 - 10	09581300*	19 - 22	09581600	38 - 50
09581100*	10 - 12	09581400	22 - 30	09581700	50 - 60



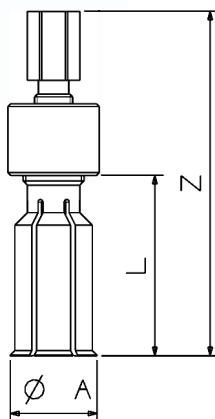
*Additional part 09582000 (converter from M8 to 1/2" UNF) must be attached for use with slide hammer

INTERNAL COLLET EXTRACTORS

- ½" UNF fitting.
- Compatible with existing 0958 Internal Split Collet Extractor range.
- Extract components quickly and efficiently when conventional pullers cannot be used.
- Removes gears, bearings, pinions, oil seals etc.

Specifications

Part No.	ØA mm	L mm	Z mm	Weight kg
09581800	55-64	89	175	1.6
09581900	65-76	89	175	2.0

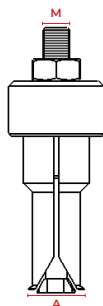


BEARING EXTRACTORS

- Coverage for larger bearings found on engines, gearboxes and industrial machinery.
- Compatible with kits below and slide hammers with M16 x 2mm fittings.

Specifications

Part No.	ØA mm	M	Weight kg
09582100	57-75	M16 X 2mm	2.2
09582200	74-100	M16 x 2mm	3.4



BEARING EXTRACTOR SETS

- A safe and simple pulling solution for larger bearings found on engines, gearboxes and industrial machinery.

Specifications

Part No.	Adaptors Included	Coverage mm
09580600	09582100	57 - 75
09580700	09582200	74 - 100
09580800	09582100 & 09582200	57 - 100



MULTIPULL® BLIND HOUSING BEARING REMOVERS

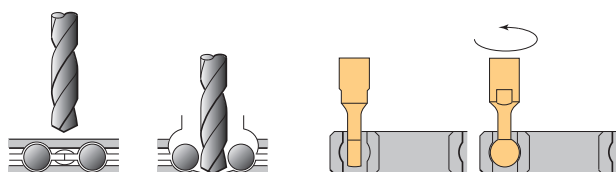
These special pullers will remove blind housing bearings without the need to dismantle machinery or remove the running shaft.

- Positive seating allows even tension on inner and outer bearing rings, reducing resistance.
- Stabilisers reduce sideways movement and self-centre the puller.
- 3 kits cover a wide range of ISO bearings. (To identify kit for bearings without an ISO reference, refer to puller spread and adaptor diameter).
- Supplied in blow moulded case with foam.
- See page 30 for component illustrations.

Specifications

Part No.	Min Spread mm	Max Spread mm	Adaptor Dia. mm	Puller Reach mm
09800000	20	95	5.5 - 8	125
09810000	20	117	5.5 - 12.5	415
09820000	56	210	16 - 31.75	490

ISO Bearing Designation				
09800000	6004 - 6010	6299 - 6205	6300 - 6302	-
09810000	6004 - 6015	6200 - 6211	6300 - 6307	6403 - 6404
09820000	-	6212 - 6222	6308 - 6319	6405 - 6414



Contents

Description		Qty	Kit Part No.		
			09800000	09810000	09820000
Beam		1	09801200	09801200	09821200
		1	-	09811200	-
Screw		1	09801100	09801100	09311300
		1	-	08281100	-
Thrust Nut		1	-	-	09821400
Thrust Washer		1	-	-	09821300
Rod Assembly		2	09801500	09801500	09821500
		2	-	09811500	-
Rod Extensions		2	09801700 (95mm)	09801700 (95mm)	09821700 (195mm)
		2	09801900 (30mm)	09801900 (30mm)	09821800 (295mm)
		2	-	09811900 (95mm)	-
		2	-	09812000 (195mm)	-
Bearing Adaptors	No.1	2	09802100 (5.5mm)	09802100 (5.5mm)	-
	No.2	2	09802200 (6mm)	09802200 (6mm)	-
	No.3	2	09802300 (8mm)	09802300 (8mm)	-
	No.4	2	-	09812400 (9mm)	-
	No.5	2	-	09812500 (11mm)	-
	No.6	2	-	09812600 (12.5mm)	-
	No.7	2	-	-	09822700 (16mm)
	No.8	2	-	-	09822800 (19mm)
	No.9	2	-	-	09822900 (22mm)
	No.10	2	-	-	09823000 (25mm)
	No.11	2	-	-	09823100 (28mm)
	No.12	2	-	-	09823200 (31.75mm)



09810000



09820000



6 - 16MM DOWEL PIN PULLER SET

09600000

- Tapered collets thread onto stud, even where only a few threads are exposed.
- The collet is drawn into the housing and clamped onto stud by tightening the housing bolt.
- Reduces possibility of damage to stud threads.
- Prevents shearing or damaging stud/workpiece by avoiding bottoming or shouldering studs.
- 6 collet sizes; 6mm, 8mm, 10mm, 12mm, 14mm & 16mm.



M6 - M20 THREADED STUD EXTRACTOR

09595000

- For the extraction of tapped dowels from their location holes.
- Kit includes Slide Hammer & Adaptors.

M6 - M20 Includes;

- 1/2" UNF Slide Hammer
- 3/8" Convertor
- 5/8" Convertor
- M6 x 1mm Adaptor
- M8 x 1.25mm Adaptor
- M10 x 1.5 Adaptor
- M12 x 1.75mm Adaptor
- M14 x 2mm Adaptor
- M16 x 2mm Adaptor
- M18 x 2.5 Adaptor
- M20 x 2.5mm Adaptor



M4 - M10 THREADED STUD EXTRACTOR

09590000

- For the extraction of tapped dowels from their location holes.
- Kit includes Slide Hammer & Adaptors.

M4 - M10 Includes;

- M10 Slide Hammer
- M4 Adaptor
- M5 Adaptor
- M6 Adaptor
- M8 Adaptor




BEARING INSTALLATION KITS

- Suitable for use on bearings, bushes and nylon seals etc. with various types of profile.
- For use with a soft hammer.
- Features Ø25mm, Ø38mm or Ø60mm mounting tube.
- Includes a range of aluminium adaptors for full face support, preventing damage and premature failure.
- Supplied in foam & plastic case.

BEARING INSTALLATION KIT 26 - 47MM

- 26 – 47mm Ø range.
- Features Ø25mm mounting tube.

Bearing Profiles Suitable for Mounting

Mounting Tube	Size		6000-6200 6300 - 6400	7200B 7300B	1200 - 2200 1300 - 2300	3200 3300	21300 22200 22300	UN - N3 N - 20	30200 30300 31300	32200 32300
	Ø1	ØE								
	10	26	6000 - 16100							
	10	30		7208	129	3200				
	10	35	6300		1200 - 2200					
	12	28	6000 - 16101							
	12	32	6201	7201B	1201 - 2201	3201				
	12	37	6301	7301B						
	15	32	6002 - 16002							
	15	35	6202	7202B	1202 - 2202	3202				
	15	42	6302	7302B	2302	3302				
	17	35	6003 - 16003				202	30202		
	17	40	6203	7203B				30302		
	17	47	6303	7303B	1203 - 2203	3203				
					1303 - 2303	3303				
							203	30203	32203	
							303	30303	32303	

SP 09660000



BEARING INSTALLATION KIT 42 - 72MM

- 42 - 72mm Ø range.
- Features Ø38mm mounting tube.

Bearing Profiles Suitable for Mounting

Mounting Tube	Size		6000-6200 6300 - 6400	7200B 7300B	1200 - 2200 1300 - 2300	3200 3300	21300 22200 22300	UN - N3 N - 20	30200 30300 31300	32200 32300
	Ø1	ØE								
	20	42	6004 - 16004							
	20	47	6204	7204B	1204 - 2204	3204				
	20	52	6304	7304B	1304 - 2304	3304	21304	304	32304	
	25	47	6005 - 16005							
	25	52	6205	7205B	1205 - 2205	3205	22205	1005	32005	
	25	62	6305 - 6404	7305B	1305 - 2305	3305	21305	205	30305	32205 - 33205
	30	55	6006 - 16006							
	30	62	6206	7206B	1206 - 2206	3206	22206	1006	32006	32206 - 33206
	30	72	6306 - 6405	7306B	1306 - 2306	3306	21306	206	30306	32306


SP 09660100



BEARING INSTALLATION KIT 62 - 100MM

- 62 - 100mm Ø range.
- Features Ø60mm mounting tube.

Bearing Profiles Suitable for Mounting

Mounting Tube	Size		6000-6200 6300 - 6400	7200B 7300B	1200 - 2200 1300 - 2300	3200 3300	21300 22200 22300	UN - N3 N - 20	30200 30300 31300	32200 32300
	Ø1	ØE								
	35	62	6007 - 16007							
	35	72	6207	7207B	1207 - 2207	3207	22207	1007	32007	32207 - 33207
	35	80	6307 - 6406	7307B	1307 - 2307	3307	21307	207	30307	32307
	40	68	6008 - 16008							
	40	80	6208	7208B	1208 - 2208	3208	22208	1008	32008	32208 - 33208
	40	90	6308 - 6407	7308B	1308 - 2308	3308	22208	208	30308	32308
	45	75	6009 - 16009							
	45	85	6209	7209B	1209 - 2209	3209	22209	1009	32009	32209 - 33209
	45	100	6309 - 6408	7309B	1309 - 2309	3309	22209	209	30309	32309
	50	80	6010 - 16010							
	50	90	6210	7210B	1210 - 2210	3210	22210	1010	32010	32210 - 33210
	50	100	6310 - 6409	7310B	1310 - 2310	3310	22210	210	30310	32310

SP 09660200



MECHANICAL PULLERS

LARGE UNIVERSAL INTERNAL / EXTERNAL PULLER

Large Capacity Universal Puller Kit.

- Suitable for applications with a large span.
- Includes two pairs of setting sleeves to ensure pulling length is equal for each leg; less time is spent leveling nut position.
- Reach: 295 - 340mm.
- Spread: 0mm - 400mm.
- Suitable for use with air tools.
- Internal / external reversible legs - can also be used for internal applications.
- Ideal for use on bearings, gears and brake discs.
- Can also be used without setting sleeves is possible however more care is needed to guarantee successful levelling.

17700000



UP TO 6 TONNE



Configuration 1 - 1 setting sleeve per leg



Configuration 2 - 2 setting sleeves per leg



Reversible Legs

Spare Parts	
210275-03	Bolt - 340mm M22 x 2.5
210275-04	Nut - M22 x 2.5
210275-13	Beam - 500mm
210275-27	Threaded Centre Rod
177000-01	Puller Foot
177000-01	Puller Spacer

UNIVERSAL BEARING RING PULLER

Wheel Bearing Removal & Installation.

- 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.
- Legs 'cut' and are 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.

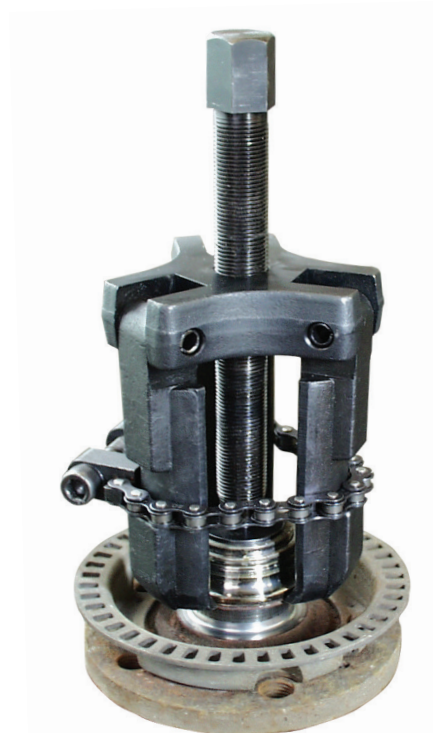
Specifications:














- Spread: 40-60mm.
- Reach: 85mm.

Spare Parts:

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

08100000



MECHANICAL PULLER COMPONENT DIMENSIONS (ACTUAL)			
Image	Description	Part No.	Dimension
	Forcing Screw	66036100	130mm M12 x 1.75
		08271100	147mm M12 x 1.75
		08611100	217mm M24 x 3.00
		08281100	230mm M16 x 2.00
		08291100	292mm M24 x 3.00
		08611100	217mm M24 x 3.00
		09311300	305mm 3/4 x 12 BSF
		09321300	305mm 1" x 10 BSF
		09331300	380mm 1 1/4 x 12UNF
	Twin Head	08271200	75mm long M12
		08281200	110mm long M16
		08291200	165mm long M12
	Triple Head	08271300	38mm Radius M12
		08281300	55mm Radius M16
		08291300	38mm Radius M24
	Leg Assembly - reversible	08271400	124mm Long
		08281400	236mm Long
	Leg Assembly - adjustable	08291400	305mm Long
		08331400	437mm Long
	Twin Beam	08601200	118mm Long M12
		08611200	210mm Long M24
		08621200	285mm Long M24
	Triple Beam	08601300	59mm Radius M12
		08651300	125mm Radius M24
	Leg - Thin jaw	08601400	122mm Long (75mm working dimensions)
		08611400	215mm Long (150mm working dimensions)
	Leg Extension	08602800	48mm Long
		08612800	75mm Long
	Twin Beam	09301200	118mm Long M16
		09311200	205mm Long
		09321200	290mm Long M24
		09331200	330mm Long
	Main Rod	09301500	160mm Long (3/8" x 20 BSF)
		09311500	254mm Long (1/2" x 16 BSF)
		09321500	332mm Long (5/8" x 14 BSF)
		09331500	375mm Long (1" x 14 UNS)
	Extension Rod	09312300	125mm Long (1/2" x 16 BSF)
		09322300	152mm Long (5/8" x 14 BSF)
		09311900	285mm Long (1/2" x 16 BSF)
		09321900	272mm Long (5/8" x 14 BSF)
		09331900	304mm Long (1" x 14 UNS)
	Protector	09312000	63mm Long (1/2" x 16 BSF)
		09322000	38mm Long (5/8" x 14 BSF)
	Separator	09500000	10 - 55mm External Spread (3/8" x 20 BSF)
		09510000	20 - 105mm External Spread (1/2" x 16 BSF)
		09520000	35 - 140mm External Spread (5/8" x 14 BSF)
		09530000	50 - 175mm External Spread (1" x 14 UNS)

MECHANICAL PULLERS

MECHANICAL PULLER KIT CONTENTS

MECHANICAL PULLERS & PULLER KITS

Description	Part No.	08270000	08270500	08280000	08280500	08290000	08300000	08310000	08320000	08330000	08340000	08420000	08420600	08490000	08490300	08490500	08490600
Leg (Reversible)	08271400	3	3	-	-	-	2	-	-	-	-	3	3	3	3	3	3
	08281400	-	-	3	3	-	-	2	-	-	-	3	3	3	3	3	3
Leg (Std adjustable)	08291400	-	-	-	-	3	-	-	2	-	-	3	3	-	-	-	-
	08331400	-	-	-	-	-	-	-	-	2	3	3	3	-	-	-	-
Leg (Thin jaw)	08601400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Twin Head	08271200	-	1	-	-	-	1	-	-	-	-	1	1	1	1	1	1
	08281200	-	-	-	1	-	-	1	-	-	-	1	1	1	1	1	1
	08291200	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-
Triple Head	08271300	1	1	-	-	-	-	-	-	-	-	1	1	1	1	1	1
	08281300	-	-	1	1	-	-	-	-	-	-	1	1	1	1	1	1
	08291300	-	-	-	-	1	-	-	-	-	1	1	1	-	-	-	-
Forcing Screw	08271100	1	1	-	-	-	1	-	-	-	-	1	1	1	1	1	1
	08281100	-	-	1	1	-	-	1	-	-	-	1	1	1	1	1	1
	08291100	-	-	-	-	1	-	-	1	1	1	1	1	-	-	-	-
Separator	09500000	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1
	09510000	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	09520000	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Main Rod	09301500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Twin Beam	09301200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Metal Toolbox		-	-	-	-	-	-	-	-	-	-	•	-	•	-	-	•
Cardboard Box		•	•	•	•	•	•	•	•	•	•	-	•	-	•	-	-
Metal Display Panel		-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	-

THIN JAW PULLERS

Description	Part No.	08600000	08601000	08605300	08607000	08608000	08610000	08625000	08635000	08640000	08654400	08654500	08655000	08655400	08655500	09400300	09305300	09300500
Puller Gold Std	08230000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Forcing Screw	08271100	1	1	1	1	1	-	-	-	-	1	1	-	1	1	-	-	-
Twin Head	08271200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Triple Head	08271300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Leg - Double Ended Reversible	08271400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
Forcing Screw	08281100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Forcing Screw	08291100	-	-	-	-	-	-	1	1	-	1	1	1	1	1	-	-	-
Twin Beam	08601200	1	-	1	1	-	-	-	-	-	1	1	-	1	1	-	-	-
Triple Beam	08601300	-	1	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-
Leg 75mm - Thin Jaw	08601400	2	3	3	2	3	-	-	-	-	2	2	-	3	3	2	2	2
Extension	08601600	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Thin Jaw Extension Set - 48mm	08602800	-	-	3	2	3	-	-	-	-	-	-	-	3	3	-	2	-
Forcing Screw	08611100	-	-	-	-	-	1	-	-	1	1	1	-	1	1	-	-	-
Twin Beam	08611200	-	-	-	-	-	1	-	1	-	1	1	-	1	1	-	-	-
Twin Beam	08621200	-	-	-	-	-	-	1	-	-	1	1	-	1	1	-	-	-
Triple Beam	08651300	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-
Leg 150mm - Thin Jaw	08611400	-	-	-	-	-	2	2	2	3	3	3	3	3	3	-	-	-
Thin Jaw Extension Set - 75mm	08612800	-	-	-	-	-	-	2	2	-	3	3	3	3	3	-	-	-
Twin Beam	09301200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Main Rod	09301500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2
Separator 10-55mm	09500000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
Forcing Screw	66036100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-

MECHANICAL PULLERS

MECHANICAL PULLER KIT CONTENTS

MECHANICAL EXTERNAL SEPARATOR KITS

Description	Part No.	09300000	09310000	09320000
Screw/Thrust nut	08281100	1	-	-
	09311100	-	1	-
	09321100	-	-	1
	09331100	-	-	-
Main Rods, Nuts & Washers	09301500	2	-	-
	09311500	-	2	-
	09321500	-	-	2
	09331500	-	-	-
Extension Rod	09223000	-	-	2
	09311900	-	4	-
	09312300	-	2	-
	09321900	-	-	4
	09331900	-	-	-
Twin Beam	09301200	1	-	-
	09311200	-	1	-
	09321200	-	-	1
	09331200	-	-	-
Thrust Race	09312100	-	1	-
	09322100	-	-	1
	09332100	-	-	-
Separator	09500000	1	-	-
	09510000	-	1	-
	09520000	-	-	1
	09530000	-	-	-

SLIDE HAMMER PULLER & EXTRACTOR KITS

Description	Size (mm)	Part No.	08540000	08540300	08545000	09580000	09580100	09580200	09580300	09580400
Slide Hammer		08542100	1	1	1	1	1	1	1	1
Adaptor		09582000	-	1	-	1	1	1	-	1
Extractor	6.5 - 8	09580900	-	-	-	1	1	-	-	-
	8.5 - 10	09581000	-	-	-	1	1	-	-	1
	10 - 12	09581100	-	1	-	1	1	-	-	1
	12 - 17	09581200	-	1	-	1	-	1	-	1
	19 - 22	09581300	-	1	-	1	-	1	-	1
	22 - 30	09581400	-	1	-	1	-	1	-	-
	30 - 38	09581500	-	-	-	1	-	-	1	-
	38 - 50	09581600	-	-	-	1	-	-	1	-
2 Way Beam		08541200	1	1	-	-	-	-	-	-
		08545400	-	-	1	-	-	-	-	-
3 Way Beam		08541300	1	1	-	-	-	-	-	-
		08545500	-	-	1	-	-	-	-	-
Adjustable Cone		08541800	1	1	-	-	-	-	-	-
		08545300	-	-	1	-	-	-	-	-
Straight Leg		08541400	1	1	1	-	-	-	-	-
Cranked Leg		08541500	1	1	1	-	-	-	-	-
Forcing Screw		08210300	-	-	1	-	-	-	-	-
Extension		08210400	-	-	1	-	-	-	-	-
Pulling Unit		09580500	-	-	-	1	-	-	-	-
Nut		08545270	-	-	1	-	-	-	-	-
Hollow Bolt		08545100	-	-	1	-	-	-	-	-

1400 SERIES KIT CONTENTS

Description	Part No.	14240000	14260000	14280000	14290000	14340000	14360000	14380000	14390000	14340500	14360500	14380500	14390500	14500300
Forcing Screw 217mm M24 x 3.00	08611100	1	1	-	-	1	1	-	-	1	1	-	-	1
Forcing Screw 292mm M24 x 3.00	08291100	-	-	1	1	-	-	1	1	-	-	1	1	-
Centre Nut	14241400	1	1	1	1	1	1	1	1	1	1	1	1	1
Twin Head	15241300	1	1	1	1	-	-	-	-	1	1	1	1	1
Triple Head	15341400	-	-	-	-	1	1	1	1	1	1	1	1	1
Standard Leg 100mm/4"	15242400	2	-	-	-	3	-	-	-	3	-	-	-	3
Standard Leg 150mm/6"	15262600	-	2	-	-	-	3	-	-	-	3	-	-	3
Standard Leg 200mm/8"	15282800	-	-	2	-	-	-	3	-	-	-	3	-	-
Standard Leg 250mm/10"	15292900	-	-	-	2	-	-	-	3	-	-	-	3	-
Cardboard Box	-	•	•	•	•	•	•	•	•	•	•	•	•	•

MECHANICAL PULLERS

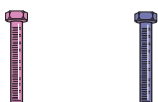
MECHANICAL PULLER COMPONENT ILLUSTRATIONS

Forcing Screws

08271100 08281100 08291100



08611100 66036100



Extension 08601600

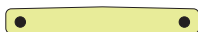


Twin Heads

08271200



08281200



08291200



Twin Beams

08601200 08611200 08621200



09301200 09311200 09321200 09331200



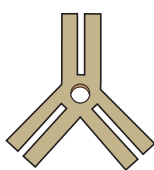
Screws Complete with Thrust Nut

09311100 09321100 09331100

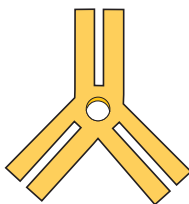


Triple Beams

08601300



08651300



Triple Heads

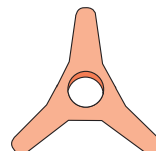
08271300



08281300

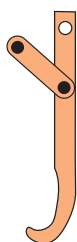


08291300



Standard Adjustable Leg Assemblies

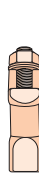
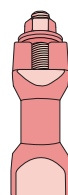
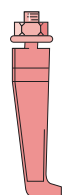
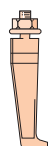
08291400 08331400



Thin Jaw Leg Assemblies (Working Dimensions)

Leg Extensions

75mm 150mm 116mm 74mm
08601400 08611400 08612800 08602800

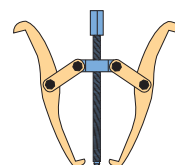


Protectors

09312000
09322000
09332000

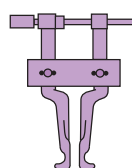


Combination Twin/Triple Puller 66037500

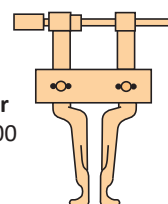


Internal Race Extractors

09350000



09360000

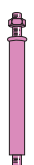


Adaptor
09352000



Rod Assemblies

09301500 09311500 09321500 09331500



Double Ended Reversible Leg Assemblies

08281400 08271400



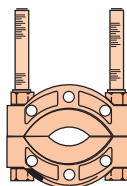
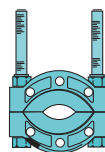
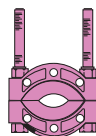
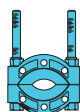
Thrust Races

09312100 09322100 09332100

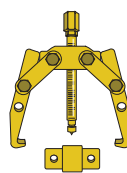


Separators

09500000 09510000 09520000 09530000



Gold Twin/Triple Leg Puller 08230000



Rod Extensions

09312300 09322300



09311900



09321900

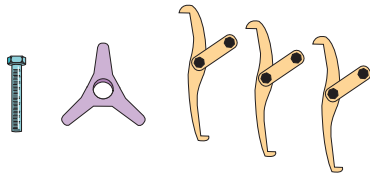


09331900

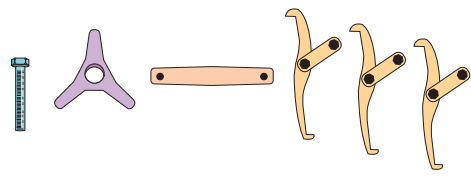




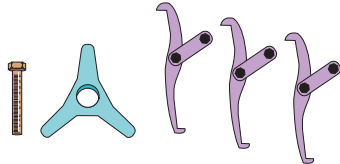
Part No. 08270000 (p.03)



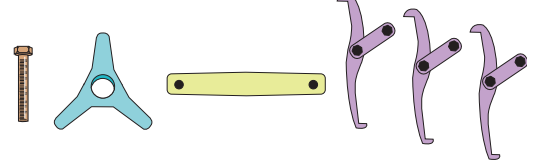
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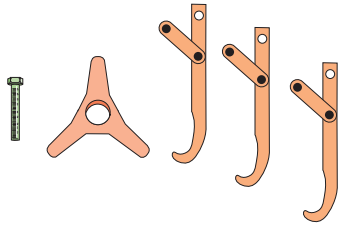
Part No. 08280000 (p.03)



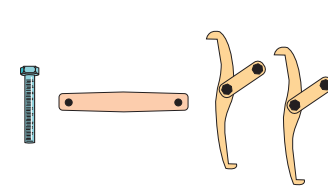
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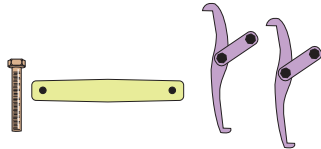
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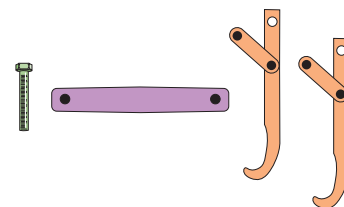
Part No. 08300000 (p.02)



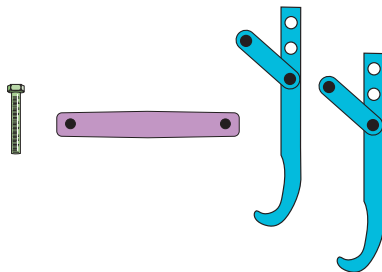
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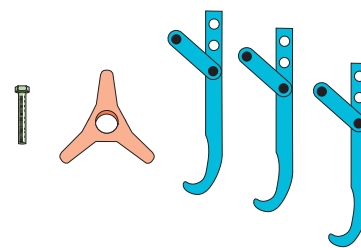
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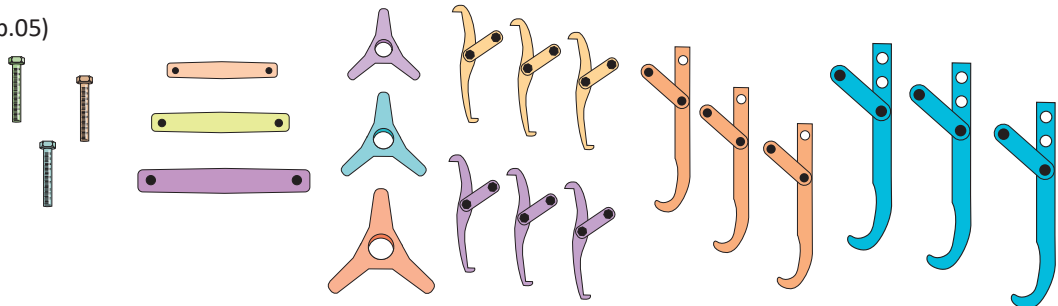
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Part No. 08340000 (p.03)



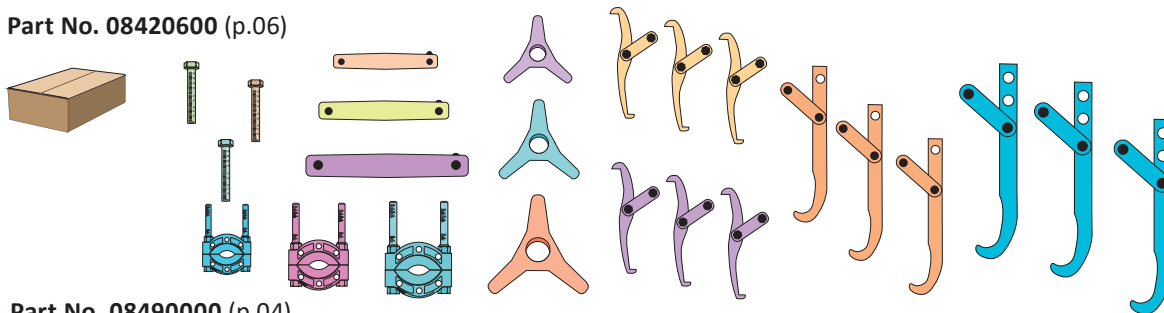
Part No. 08420000 (p.05)



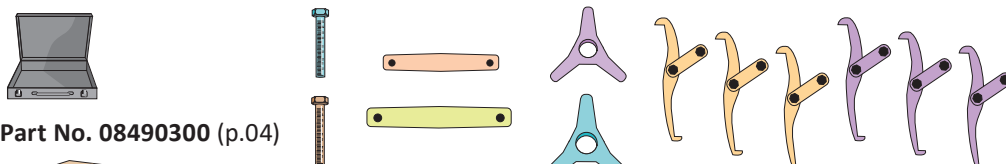
MECHANICAL PULLERS

MECHANICAL PULLER KIT BUILD

Part No. 08420600 (p.06)



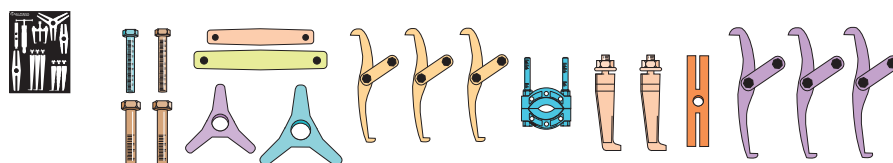
Part No. 08490000 (p.04)



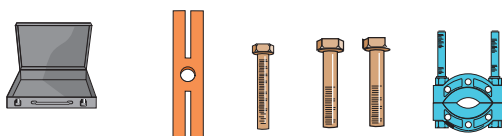
Part No. 08490300 (p.04)



Part No. 08490500 (p.07)



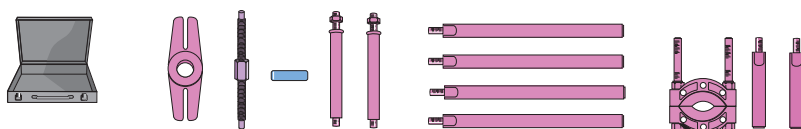
Part No. 09300000 (p.08)



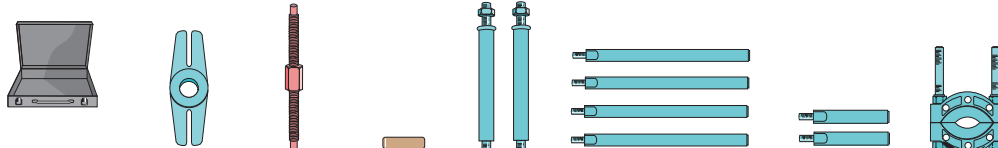
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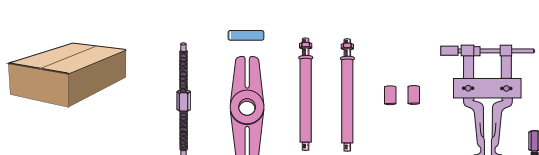
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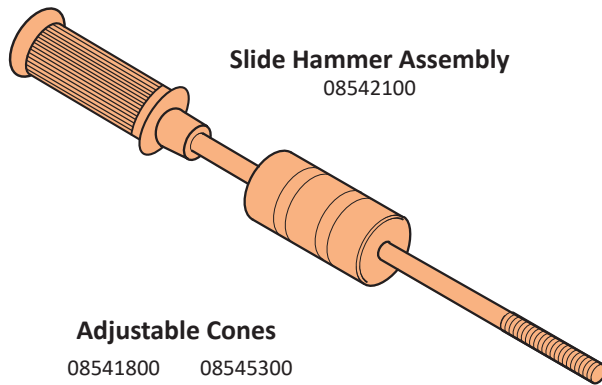
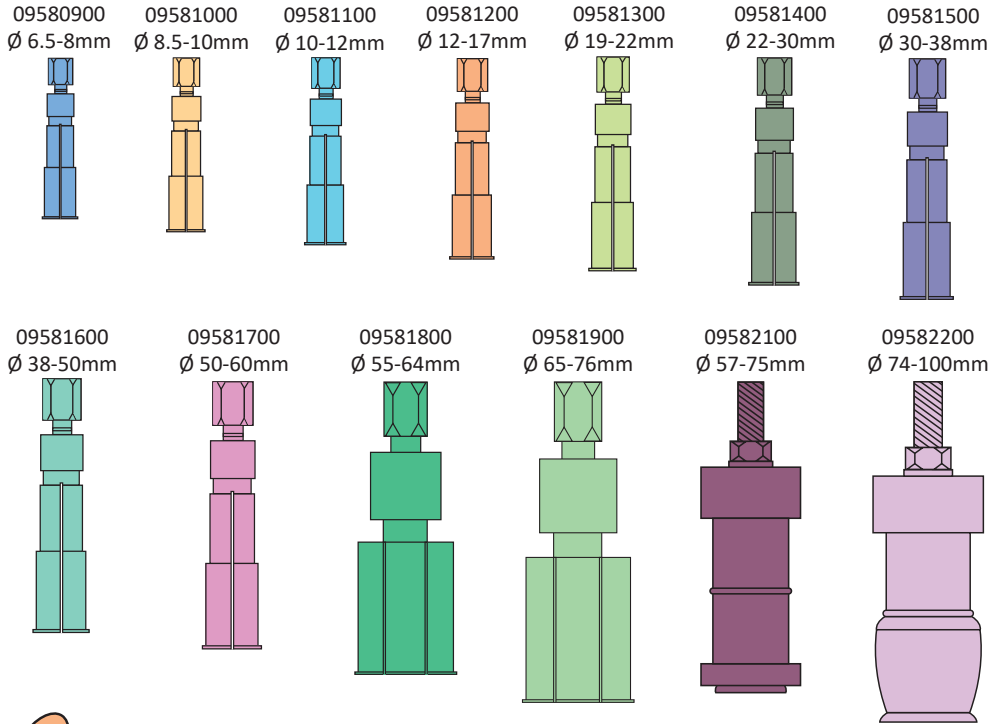
Part No. 09320000 (p.08)



Part No. 09450000 (p.11)

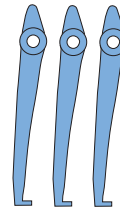


Extractors



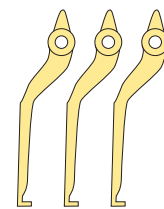
Straight Legs

08541400

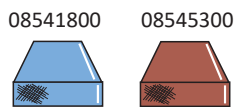


Cranked Legs

08541500

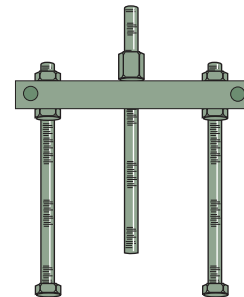


Adjustable Cones

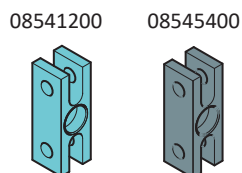


Pulling Unit

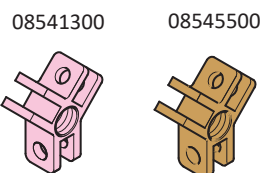
09580500



2 Way Beams

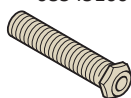


3 Way Beams



Hollow Bolt

08545100



Nut

08545270



Adaptor

09582000



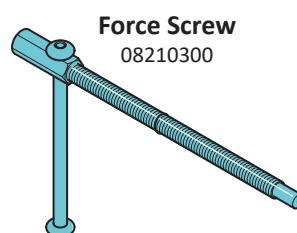
Adaptor

09584200



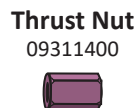
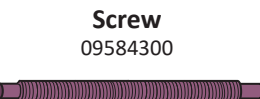
Force Screw

08210300



Extension

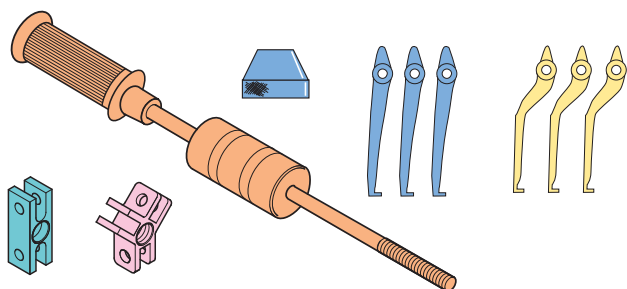
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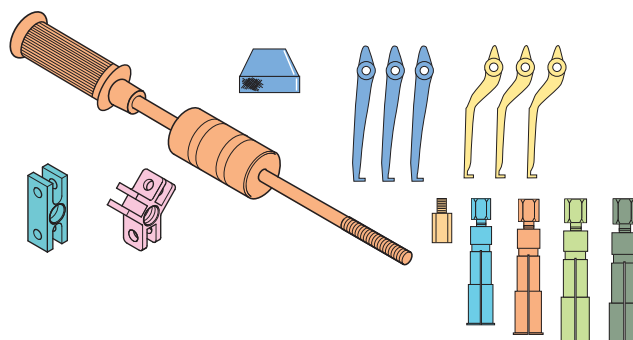
MECHANICAL PULLERS

SLIDE HAMMER & EXTRACTOR KIT BUILD

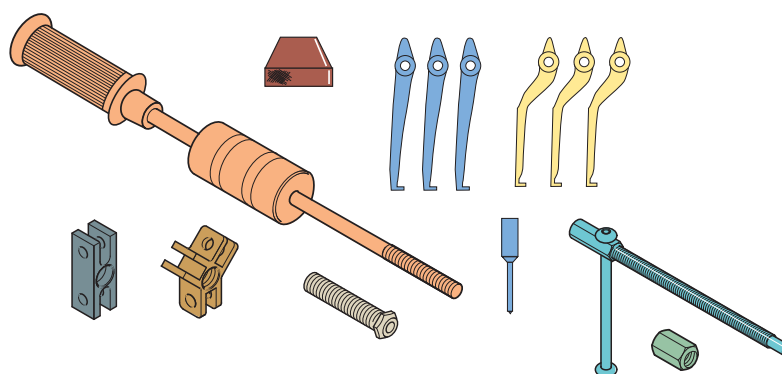
Part No. 08540000 (p.12)



Part No. 08540300 (p.13)

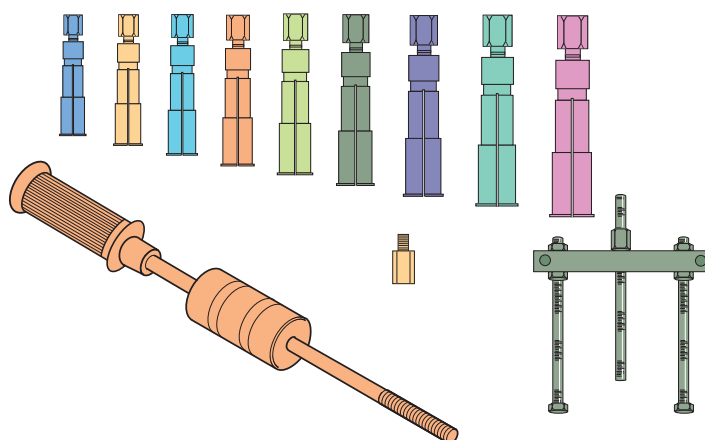


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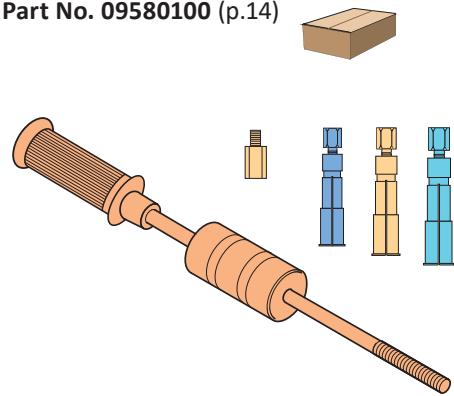


MECHANICAL PULLER KIT BUILD

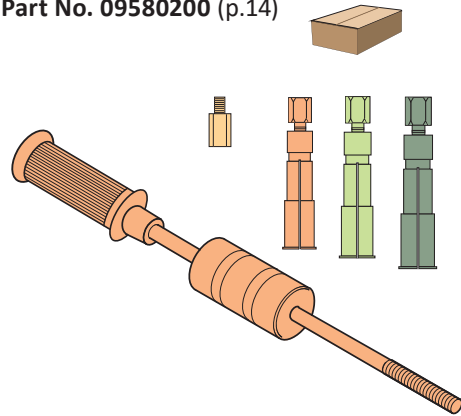
Part No. 09580000 (p.13)



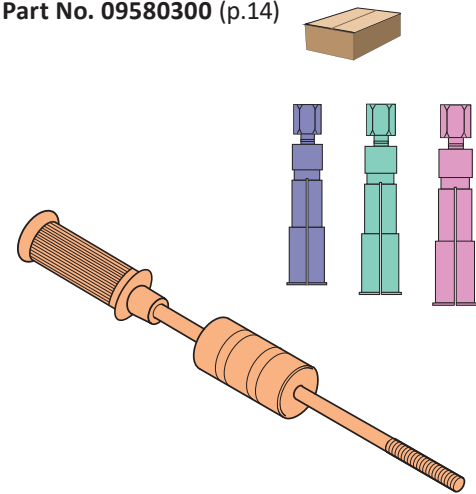
Part No. 09580100 (p.14)



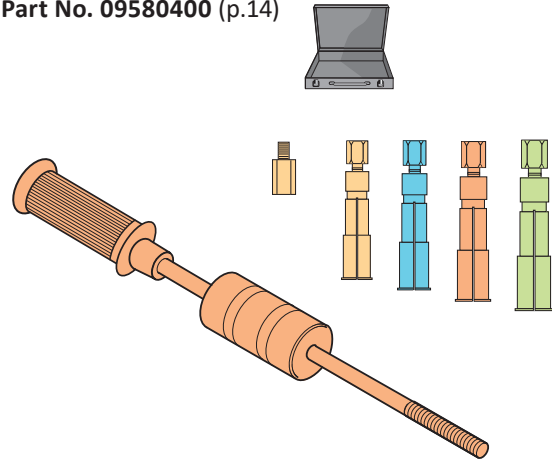
Part No. 09580200 (p.14)



Part No. 09580300 (p.14)

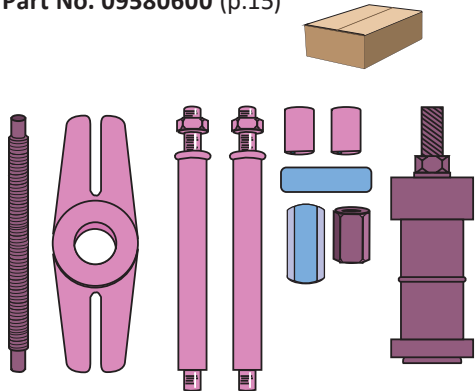


Part No. 09580400 (p.14)

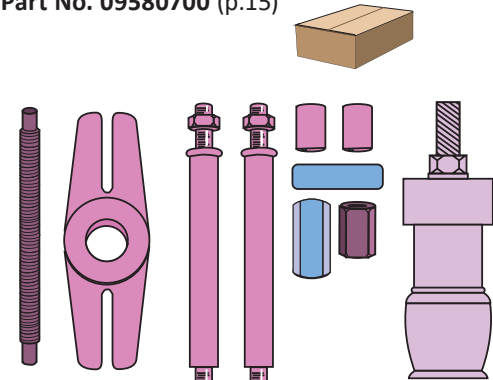


BEARING EXTRACTOR KIT BUILD

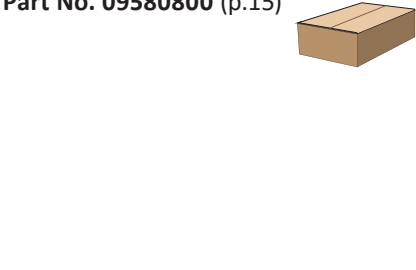
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Part No. 09580700 (p.15)



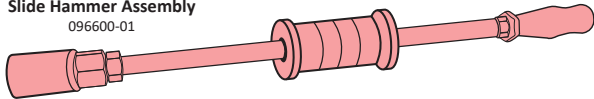
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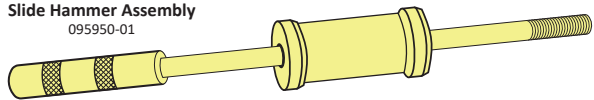
MECHANICAL PULLERS

THREADED STUD EXTRACTOR COMPONENT ILLUSTRATIONS

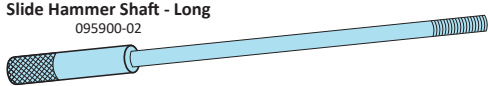
Slide Hammer Assembly
096600-01



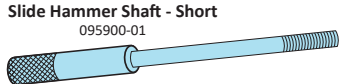
Slide Hammer Assembly
095950-01



Slide Hammer Shaft - Long
095900-02



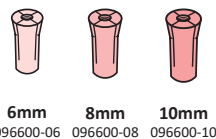
Slide Hammer Shaft - Short
095900-01



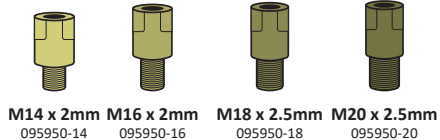
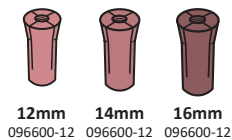
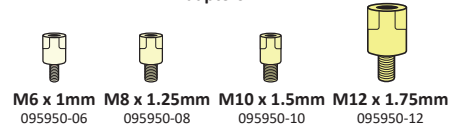
Slide Hammer Weight
095900-03



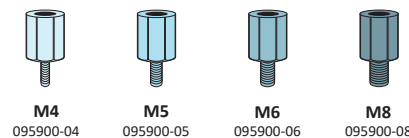
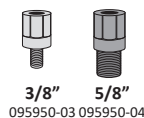
Collets



Adaptors

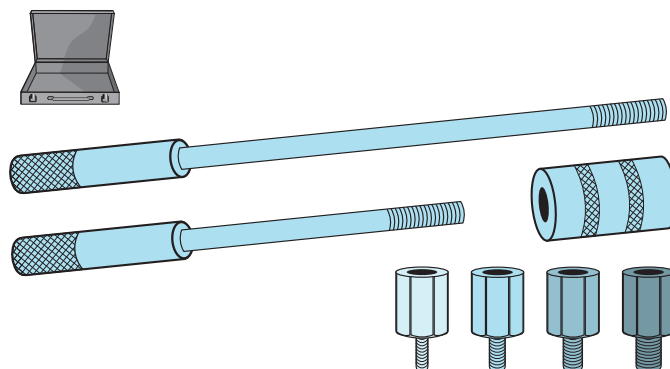


Convertors

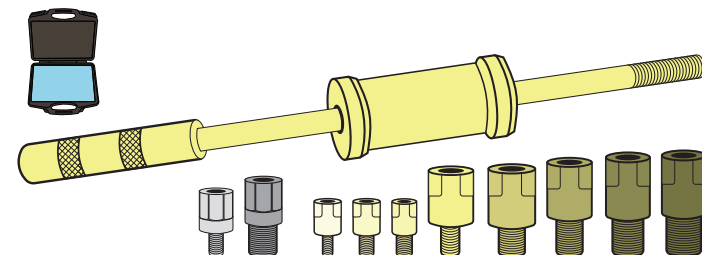


THREADED STUD EXTRACTOR BUILD

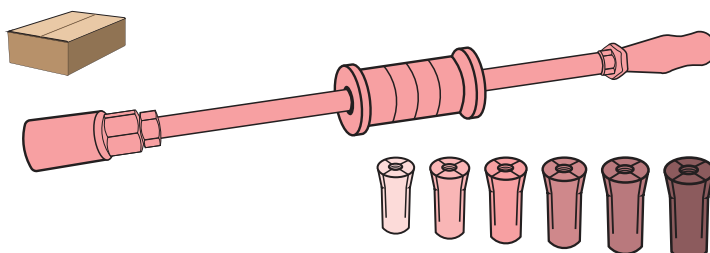
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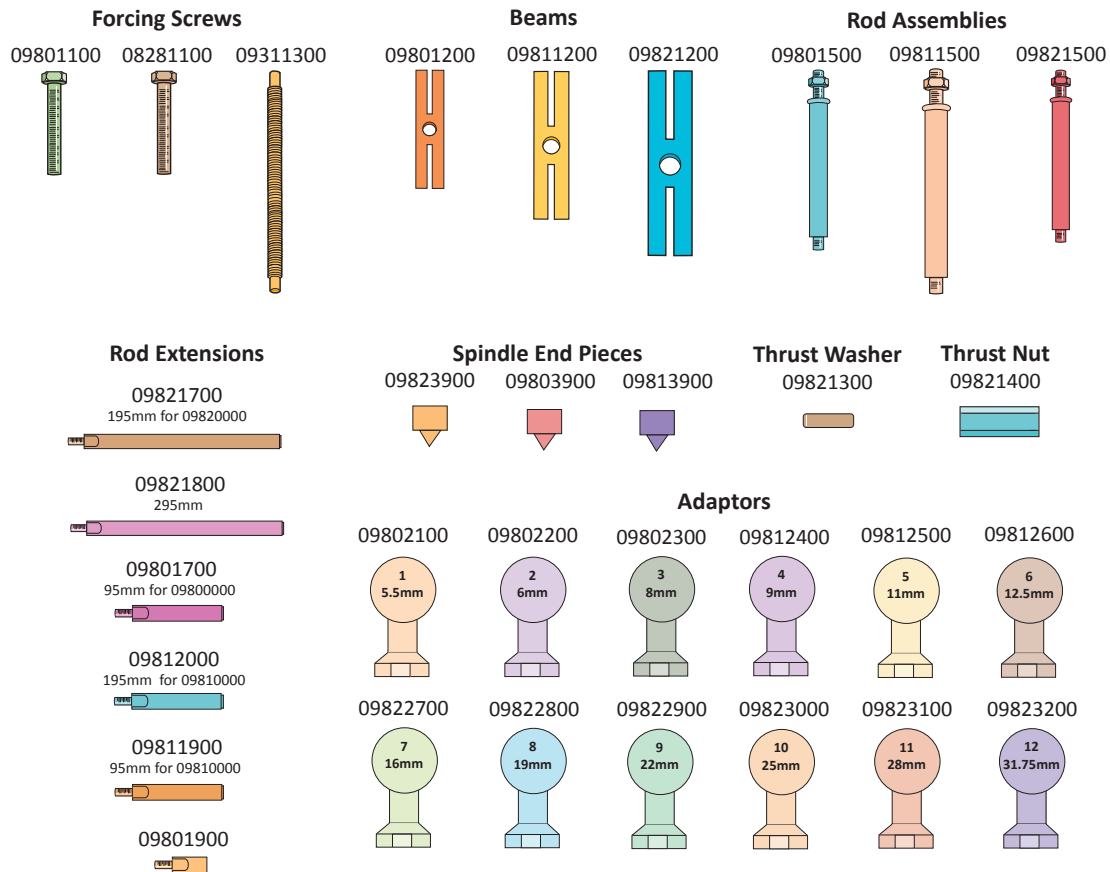


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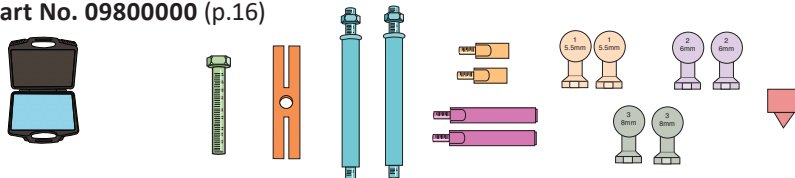
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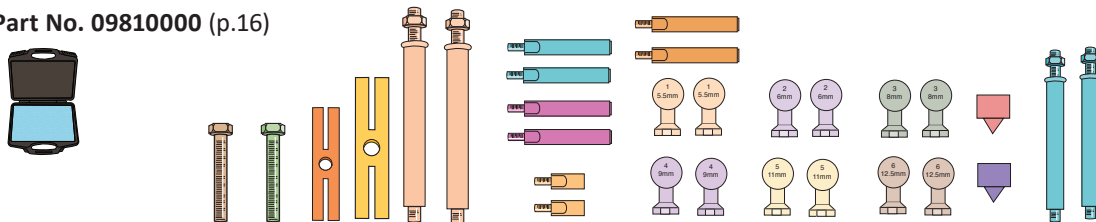


MULTIPULL® KIT BUILD

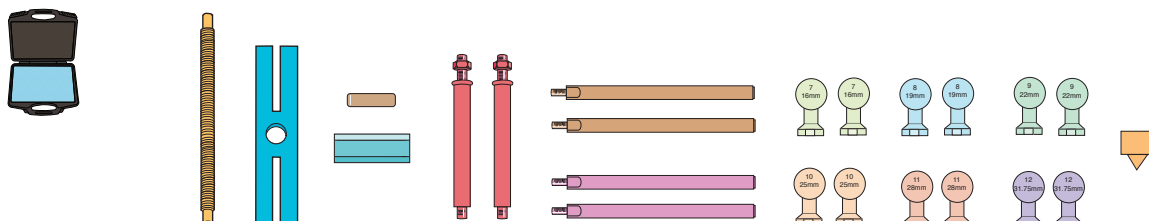
Part No. 09800000 (p.16)



Part No. 09810000 (p.16)



Part No. 09820000 (p.16)





HYDRAULIC PULLERS

1500 SERIES HYDRAULIC RAMS

1500 SERIES HYDRAULIC RAM

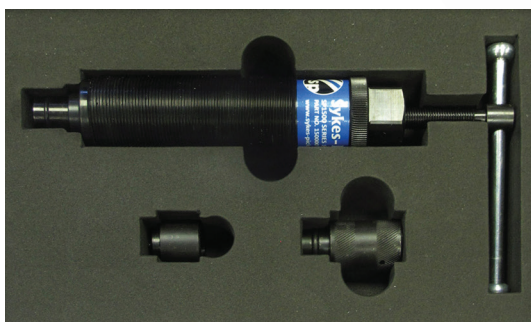
- New design includes pre-loading 30mm hex, 2" extension and foam cut out for storage.
- 1 1/2" thread.
- Grease filled.
- Direct force improves stability under load.
- Provides maximum withdrawal force of 80kN.
- New hex head makes it possible to increase pre-load capability up to 4 tonnes (with the use of a 30mm wrench).
- When hydraulic power is applied, the full force is achieved with little loss of ram travel.
- As the workpiece starts to release, more stroke and power can be applied to ensure a good safe removal.

Contents

Qty	Description
1	Hydraulic Ram
1	2" Extension
1	Nose Piece (15002700)



New Pre-Load Hex Feature



Supplied in box with foam insert to protect the thread when not in use.

1500 SERIES HYDRAULIC RAM REPAIR KIT

15002400

Contents

Qty	Description
2	Seals
1	Grease
1	Installation Instructions



3" TO 1 1/2" REDUCER

12003100

- Converter to allow all current ram models to work with the older 1200 series pullers.



MANUAL FORCE SCREW

- Converts 1500 series hydraulic pullers to mechanical, using forcing screw and shock handle.
- In addition the Impact screw contains a floating plunger which can be tensioned with a hammer or air tools to give the additional benefit of a shock action. This assists the release of stubborn joints or taper fits.

Contents

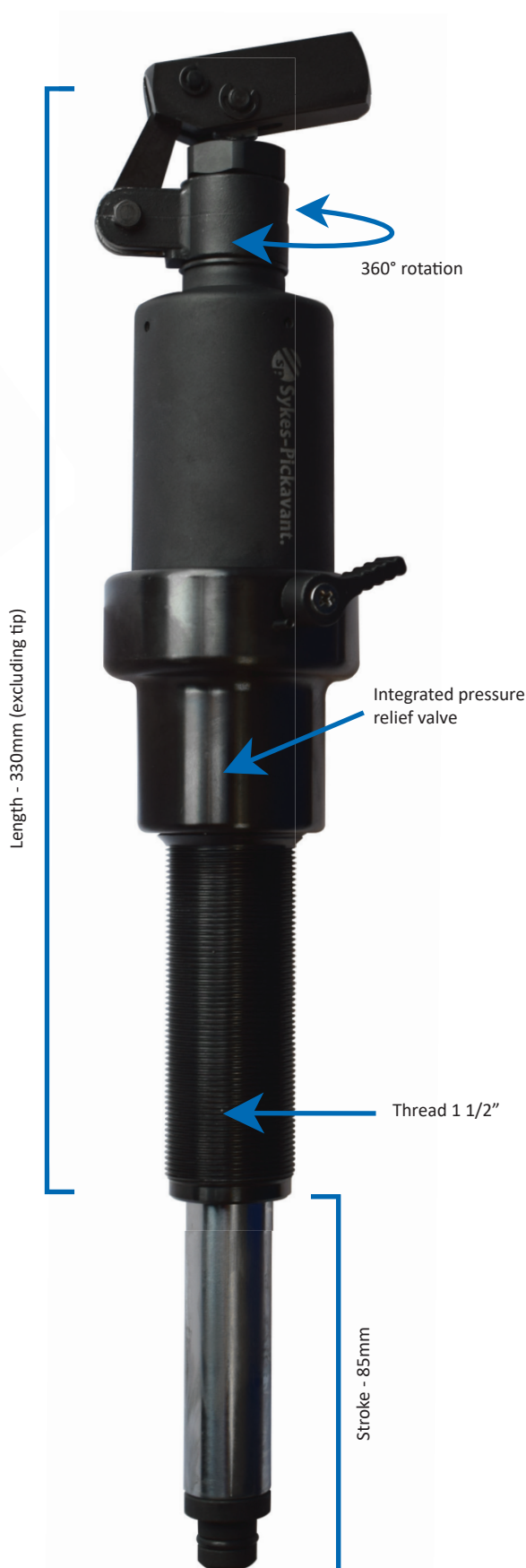
Part No.	Qty	Description
08251900	1	Shock Handle 203mm
12731100	1	Impact Force Screw 285mm 1.5" X 16 BSW



Note: If using with air tools - ALWAYS GREASE SPINDLE

HYDRAULIC PULLERS

1500 SERIES 8 TONNE EXTRA TRAVEL RAM



sp 150000XT



Note: Legs and beams not included - Shown for illustration purposes only

- Measurable 8 tonnes of pressure capacity.
- 85mm of travel allows for reduced setting operations and saves time.
- 4 x faster output operation than standard 1500 Series ram.
- Removable handle can be rotated 360°.
- Integrated pressure relief control valve opens at 8 tonnes and cannot be overloaded.
- Oil hydraulics work in any position - even upside down.
- Features piston with spring return.
- Compatible with the 1500 Series Puller Range where the 8 Tonne Hydraulic Ram is used.

HYDRAULIC TWIN / TRIPLE LEG PULLERS

- Removes gears, bearings, pulleys and sprockets.
- Wide range of automotive and industrial applications.
- Powered by 1500 series hydraulic ram.
- Safe and easy to use.
- 8 tonnes of force with minimum effort.
- Easy to adjust.
- Non-twisting for improved stability.
- Supplied with nose piece for use on centred shafts.

STANDARD TWIN LEG PULLERS

- Self centering and self locking.
- Redesigned legs, improving strength.
- Supplied in cardboard box.
- See page 47/48 for kit contents.
- See page 50 for component illustrations.

Specifications

Standard Leg			
Part No.	Puller Spread mm	Puller Reach Max mm	Ram Extension mm
15240000	50 - 100	100	50
15260000	75 - 150	150	100
15280000	100 - 200	200	150
15290000	130 - 250	250	150



15280000

STANDARD TRIPLE LEG PULLERS

- Self centering and self locking.
- Redesigned legs, improving strength.
- Supplied in cardboard box.
- See page 47/48 for kit contents.
- See page 50 for component illustrations.

Specifications

Standard Leg			
Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
15340000	50 - 100	100	50
15360000	75 - 150	150	100
15380000	100 - 200	200	150
15390000	130 - 250	250	150



15390000

HYDRAULIC PULLERS

HYDRAULIC TWIN LEG PULLER KITS

Hydraulic 1500 Series

HYDRAULIC TWIN LEG PULLER KIT

- Makes 2 different pullers.
- Self centering and self locking.
- Redesigned legs, improving strength.
- See page 50 for component illustrations.

Specifications

Standard Leg			
Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
15490000	75 - 100	150	50 / 100

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15242200	1	Ram Extension - 50mm
15242400	2	Leg 100mm
15262400	1	Ram Extension - 100mm
15262600	2	Leg 150mm



 15490000

HYDRAULIC TWIN/TRIPLE LEG PULLER KITS

HYDRAULIC TWIN/TRIPLE LEG PULLER KIT

- Combination twin/triple leg puller kits complete with ram extensions, offer a wide range of pulling options.
- Makes 2 different twin/triple leg pullers.
- Wide range of kits to suit most applications.
- Supplied in cardboard box.
- See page 50 for component illustrations.

Specifications

Standard Leg			
Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
15340500	50 - 100	100	50



 15340500

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15242200	1	Ram Extension - 50mm
15341300	1	Triple Head
15242400	3	Leg - 100mm

HYDRAULIC PULLERS

HYDRAULIC TWIN/TRIPLE LEG PULLER KITS



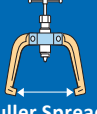
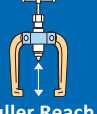

Hydraulic 1500 Series

 15500300

HYDRAULIC TWIN/TRIPLE LEG PULLER KITS

- Makes 3 different twin/triple leg pullers.
- Supplied in metal case (p/n 15500000) or in cardboard box (p/n 15500300).
- See page 50 for component illustrations.

Specifications

 Standard Leg			
 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 Ram Extension mm
15500000	75 - 150	150	50 / 100
15500300	75 - 150	150	50 / 100

Contents for 15500000 and 15500300

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm



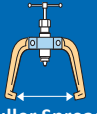
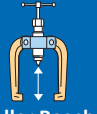



HYDRAULIC TWIN/TRIPLE LEG PULLER KIT

- Makes 6 different twin/triple leg pullers.
- Supplied in metal case.
- See page 50 for component illustrations.

 15500800

Specifications

 Standard Leg			
 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 Ram Extension mm
15500800	50 - 200	200	50 / 100

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram with Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm



HYDRAULIC PULLERS

HYDRAULIC TWIN/TRIPLE LEG PULLER KITS

Hydraulic 1500 Series

15510500

HYDRAULIC TWIN/TRIPLE LEG PULLER KIT

- Makes 8 different twin/triple leg pullers.
- Supplied with metal display panel.
- See page 51 for component illustrations.

Specifications

Standard Leg			
Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
15510500	50 - 250	250	50 / 100 / 150

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm (Extra Wide)



(610 x 457mm)

HYDRAULIC TWIN/TRIPLE LEG PULLER KIT

- Makes 10 different twin/triple leg pullers.
- Supplied in metal case.
- See page 51 for component illustrations.



155100V2

Specifications

Standard Leg			
Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
155100V2	50 - 250	250	50 / 100 / 150

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm (extra wide)

HYDRAULIC PULLERS

HYDRAULIC SEPARATOR KITS

Hydraulic 1500 Series




For individual separators see page 05 of Mechanical section

 **19310000**

HYDRAULIC SEPARATOR KIT

- Versatile tool where a long reach is required to draw a bearing from a shaft.
- Also available without hydraulic ram as kit **19310100** (in cardboard box).
- The tapered edges of the bearing separator provide all round support and can fit behind bearings where normal puller legs cannot gain access.
- Supplied in metal case.
- See page 52 for component illustrations.

Specifications

 Part No.	 External Spread Min - Max mm	 External Reach Max mm
19310000	20 - 105	876

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15262400	1	Ram Extension - 100mm
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm






HYDRAULIC SEPARATOR KIT - HEAVY DUTY

 **19320000**

- Versatile tool where a long reach is required to draw a bearing from a shaft.
- Also available without hydraulic ram as kit 19320100 (in cardboard box).
- The tapered edges of the bearing separator provide all round support and can fit behind bearings where normal puller legs cannot gain access.
- Supplied in metal case.
- See page 52 for component illustrations.

Specifications

 Part No.	 External Spread Min - Max mm	 External Reach Max mm
19320000	35 - 140	863

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15272600	1	Ram Extension - 150mm
19321200	1	Twin Beam
09520000	1	Separator 35-140mm
09321500	2	Main Rod
09321900	4	Extension Rod
09322300	2	Extension Rod 125mm



HYDRAULIC PULLERS

HYDRAULIC PULLER & SEPARATOR KITS



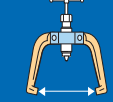
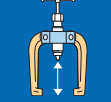
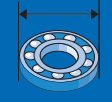
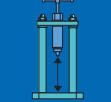
Hydraulic 1500 Series

 15520000

HYDRAULIC PULLER & SEPARATOR KIT

- Makes 4 different twin/triple leg pullers, plus bearing separator kit.
- Supplied in metal case.
- See page 51 for component illustrations.

Specifications

 Standard Leg				
 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 External Spread Min - Max mm	 External Reach Max mm
15520000	50 - 150	150	20 - 105	876

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm



HYDRAULIC PULLERS

HYDRAULIC PULLER & SEPARATOR KITS


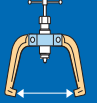
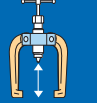
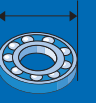
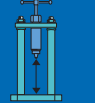
Hydraulic 1500 Series

 15520800

HYDRAULIC PULLER & SEPARATOR KIT

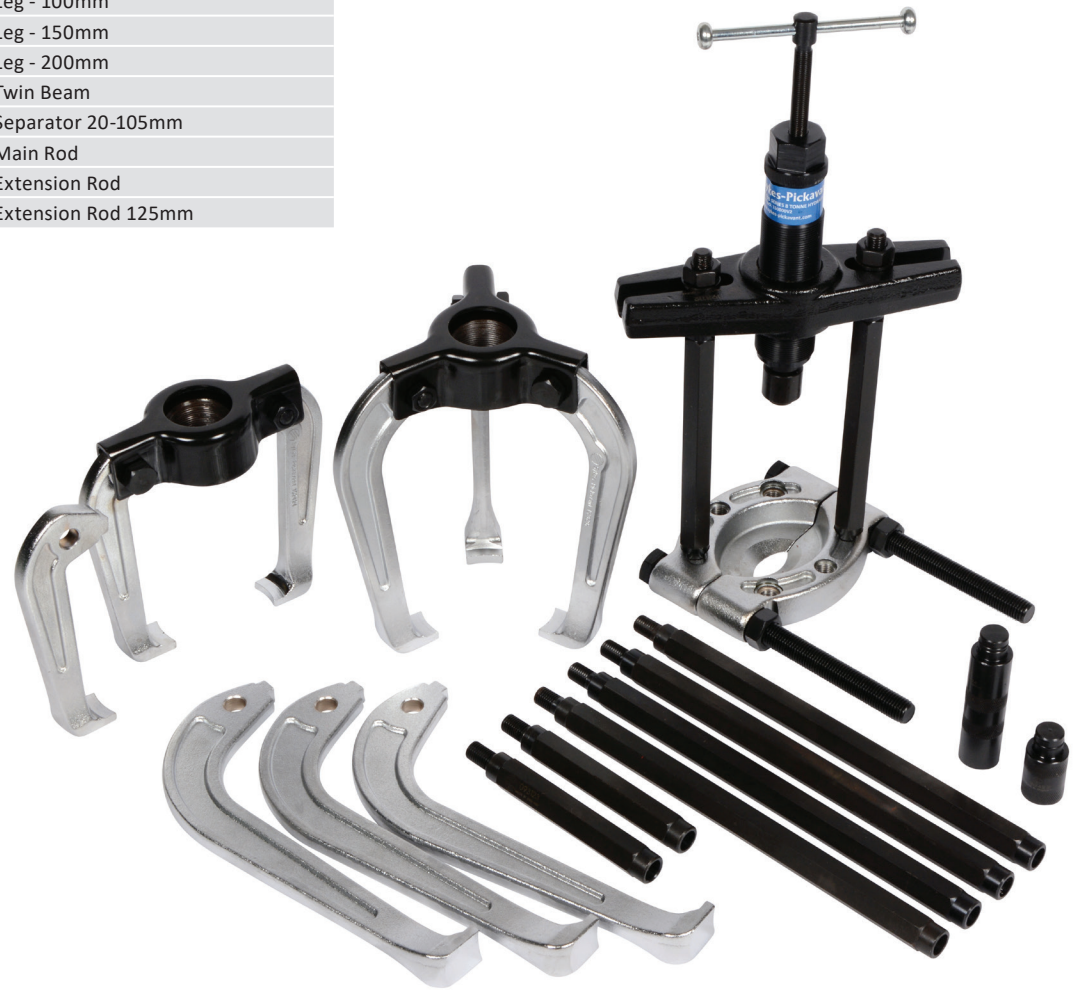
- Makes 6 different twin/triple leg pullers, plus bearing separator kit.
- Supplied in metal case.
- See page 51 for component illustrations.

Specifications

Standard Leg				
 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 External Spread Min - Max mm	 External Reach Max mm
15520800	50 - 200	200	20 - 105	876

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm



HYDRAULIC PULLERS

HYDRAULIC PULLER & SEPARATOR KITS

- Makes 8 different twin/triple leg pullers, plus bearing separator kit.
- **155400V2** supplied in metal case.
- **155405V2** supplied with metal display panel.
- See page 51 for component illustrations.

Hydraulic 1500 Series

155405V2

Specifications

Standard Leg				
Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	External Spread Min - Max mm	External Reach Max mm
155400V2	50 - 250	200	20 - 105	876
155405V2	50 - 250	200	20 - 105	876

Contents for 155400V2 and 155405V2

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm (Extra Wide)
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm



155400V2








HYDRAULIC INTERNAL/EXTERNAL PULLER & SEPARATOR KIT

Hydraulic 1500 Series

 15600000

- For removing bearings, gears etc. where access behind components is too restricted to use standard pullers.
- Drop forged, high quality steel, heat treated for strength and durability.
- Separators have tapered edge for insertion behind close fitting bearings, gears etc.
- Internal puller has screw adjustable legs for positive fit.
- Supplied in metal case.
- See page 52 for component illustrations.

Specifications

 Part No.	 External Spread Min - Max mm	 Internal Spread Min - Max mm	 External Reach Max mm	 Internal Reach Min - Max mm
15600000	35 - 145	40 - 150	863	40 - 150

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15272600	1	Ram Extension - 150mm
19321200	1	Beam
09520000	1	Separator 35-145mm
09321500	2	Main Rod
09321900	4	Extension Rod
09322300	2	Extension Rod 125mm
09350000	1	Internal Race Extractor
09311100	1	Forcing Screw C/W Nut
09312100	1	Thrust Race
09312200	1	Converter
09322000	2	Protector
09352070	1	Adaptor for 09350000



HYDRAULIC PULLERS




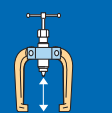
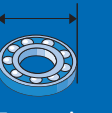
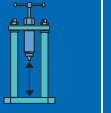

HYDRAULIC INTERNAL EXTRACTOR, PULLER & SEPARATOR KITS

- Makes 8 different twin/triple leg pullers, plus bearing separator kit and internal extractor kit.
- Supplied in metal case.
- See page 51 for component illustrations.

Hydraulic 1500 Series

 155700V2

Specifications

 Standard Leg					
 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 External Spread Min - Max mm	 External Reach Max mm	 Internal Reach Min - Max mm
155700V2	20 - 200	250	20 - 105	876	40 - 150

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram with Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm (extra wide)
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm
09350000	1	Internal Race Extractor
09311100	1	Forcing Screw c/w Nut
09312100	1	Thrust Race
09312200	1	Convertor
09312000	2	Protector
09352070	1	Adaptor for 09350000




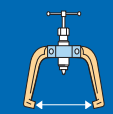
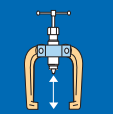
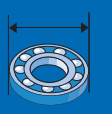
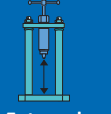
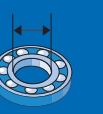
HYDRAULIC INTERNAL EXTRACTOR, PULLER & SEPARATOR KIT

- Makes 8 different twin/triple leg pullers, plus heavy duty bearing separator kit and internal extractor kit.
- Supplied in metal case.
- See page 51 for component illustrations.

Hydraulic 1500 Series

 155800V2

Specifications

Standard Leg					
 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 External Spread Min - Max mm	 External Reach Max mm	 Internal Reach Min - Max mm
155800V2	50 - 250	250	35 - 140	863	40 - 150

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm (Extra Wide)
19321200	1	Twin Beam
09520000	1	Separator 35-145mm
09321500	2	Main Rod
09321900	4	Extension Rod
09322300	2	Extension Rod 125mm
09350000	1	Internal Race Extractor
09311100	1	Forcing Screw C/W Nut
09312100	1	Thrust Race
09312200	1	Convertor
09322000	2	Protector
09352070	1	Adaptor for 09350000





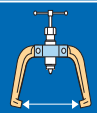
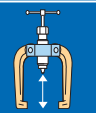
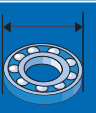
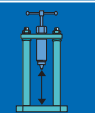
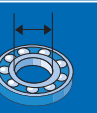
HYDRAULIC INTERNAL EXTRACTOR, PULLER & SEPARATOR KIT - MASTER SET

Hydraulic 1500 Series

 155900V2

- Makes 8 different twin/triple leg pullers, plus heavy duty bearing separator kit and internal extractor kit.
- Supplied in metal case.
- See page 52 for component illustrations.

Specifications

 Standard Leg					
 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 External Spread Min - Max mm	 External Reach Max mm	 Internal Reach Min - Max mm
155900V2	20 - 250	250	20 - 145	876	40 - 150

Contents


Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm (Extra Wide)
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod

Spare Parts Part No.	Qty	Description
09312300	2	Extension Rod 125mm
19321200	1	Twin Beam
09520000	1	Separator 35-145mm
09321500	2	Main Rod
09321900	4	Extension Rod
09322300	2	Extension Rod 125mm
09350000	1	Internal Race Extractor
09311100	1	Forcing Screw C/W Nut
09312100	1	Thrust Race
09312200	1	Convertor
09312000	2	Protector
09322000	2	Protector
09352070	1	Adaptor for 09350000







HYDRAULIC INTERNAL EXTRACTOR, PULLER & SEPARATOR KIT WITH SLIDE HAMMER ON PANEL

Hydraulic 1500 Series

 19310500

- For removing bearings and gears where access behind components is too restricted to use standard pullers.
- Drop forged, high quality steel, heat treated for strength and durability.
- Extract components quickly and efficiently when conventional pullers can not be used.
- Slide Hammer with 7 split collet internal extractors.
- Supplied with metal display panel.
- See page 52 for component illustrations.

Specifications

 Part No.	 External Spread Min - Max mm	 Internal Reach Min - Max mm	 External Reach Max mm
19310500	10 - 105	6.5 - 38	876

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
19311200	1	Twin Beam
15262400	1	Ram Extension - 100mm
08601400	2	Leg 75mm - Thin Jaw
09500000	1	Separator 10-55mm
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm
08542100	1	Slide Hammer
09580900	1	Split Collet Extractor 6.5 - 8mm
09581000	1	Split Collet Extractor 8.5 - 10mm
09581100	1	Split Collet Extractor 10 - 12mm
09581200	1	Split Collet Extractor 12 - 17mm
09581300	1	Split Collet Extractor 19 - 22mm
09581400	1	Split Collet Extractor 22 - 30mm
09581500	1	Split Collet Extractor 30 - 38mm
09582000	1	Adaptor
09301200	1	Twin Beam
09301500	2	Main Rod
08281100	1	Forcing Screw

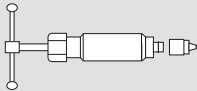










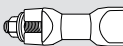


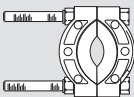
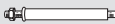
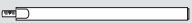

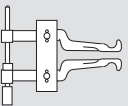







(610 x 457mm)

HYDRAULIC PULLERS

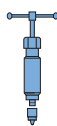









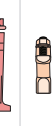
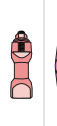
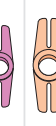


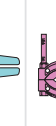
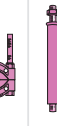

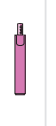

HYDRAULIC PULLER SPARE PARTS

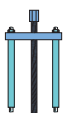



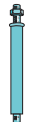









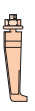








HYDRAULIC PULLER COMPONENT DIMENSIONS (ACTUAL)

Image	Description	Part No.	Dimension
	Hydraulic Ram with nose piece (Nose Piece - 15002700)	150000V2	1½" Dia. External
	Twin Head with centre nut (Centre Nut - 15241400)	15241200	1½" Dia. Internal
	Triple Head with centre nut (Centre Nut - 15241400)	15341300	1½" Dia. Internal
	Ram Extension	15242200	50mm (2")
	Ram Extension	15262400	100mm (4")
	Ram Extension	15272600	150mm (6")
	Standard Leg	15242400	165mm Long (100mm (4") Working Dimensions)
	Standard Leg	15262600	215mm Long (150mm (6") Working Dimensions)
	Wide Standard Leg	15282800	265mm Long (200mm (8") Working Dimensions)
	Wide Standard Leg	15292900	300mm Long (250mm (10") Working Dimensions)
	Leg - Thin Jaw	08611400	215mm Long (150mm (6") Working Dimensions)
	Leg Extension	08612800	75mm Long
	Twin Beam	18621200	290mm Long 1½" Dia. Internal
		19311200	210mm Long 1½" Dia. Internal
		19321200	290mm Long 1½" Dia. Internal
	Triple Beam	18651300	1½" Dia. Internal
	Separator	09500000	10-55mm (3/8" - 2¼")
		09510000	20-105mm (3/4" - 4¼")
		09520000	35-140mm (1¼" - 5½")
	Main Rod	09311500	254mm long (1/2" x 16 BSF)
		09321500	332mm long (5/8" x 14 BSF)
	Extension Rod	09311900	285mm long (1/2" x 16 BSF)
		09321900	272mm long (5/8" x 14 BSF)
	Extension Rod	09312300	125mm long (1/2" x 16 BSF)
		09322300	152mm long (5/8" x 14 BSF)
	Internal Race Extractor	09350000	40 - 150mm
	Forcing Screw c/w Nut	09311100	Forcing Screw c/w Nut
	Thrust Race	09312100	38mm ø
	Beam Converter	09312200	50mm ø
	Protector	09312000	63mm long (1/2" x 16 BSF)
		09322000	38mm long (5/8" x 14 BSF)
	Twin Beam	08601200	118mm long

HYDRAULIC PULLERS

HYDRAULIC 1500 SERIES - KIT CONTENTS LIST

Kit Part No.	Spare Part No.	Description																						
																								
Standard Pullers		15240000	1	1			1		2															
		15260000	1	1			1		2															
		15280000	1	1				1		2														
		15290000	1	1				1			2													
		15340000	1		1		1		3															
		15340500	1	1		1	1		3															
		15360000	1		1		1		3															
		15380000	1		1			1		3														
		15390000	1		1			1			3													
Thin Jaw		18610000	1									2			1									
		18625000	1					1				2		2		1								
		18635000	1					1				2		2	1									
		18640000	1			1					3						1							
		18655000	1					1				3		3			1							
Puller Kits		15405300	1	1			1	1	2	2		2		2	1									
		15490000	1	1			1	1	2	2														
		15500000	1	1		1	1	1	3	3														
		15500300	1	1		1	1	1	3	3														
		15500800	1	1		1	1	1	3	3	3													
		155100V2	1	1		1	1	1	1	3	3	3	3											
		15510500	1	1		1	1	1	1	3	3	3	3											
		15520000	1	1		1	1	1	3	3					1				1	2	4	2		
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		15530500	2	1		1	1	1	1	3	3	3	3		1				1	2	4	2		
		155400V2	1	1		1	1	1	1	3	3	3	3		1				1	2	4	2		
		155405V2	1	1		1	1	1	1	3	3	3	3		1				1	2	4	2		
		155700V2	1	1		1	1	1	1	3	3	3	3		1				1	2	4	2		
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		15600000	1					1																
		18654400	1			1		1				3		3	1	1		1						
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		19310000	1				1								1				1	2	4	2		
		19310100													1				1	2	4	2		
		19310300	1									2			1				1	2	4	2		
		19310500	1												1				1	2	4	2		
		19320000	1					1																
		19320100																						

																								Spare Part No.
	Pulling Unit	Adaptor	Twin Beam	Separator 35-140mm (1 1/4-5 1/4")	Main Rod 332mm, 5/8" Dia.	Extension Rod 272mm, 5/8" Dia.	Extension Rod 152mm, 5" 5/8" Dia.	Internal Race Extractor 40-150mm (1 1/2-6")	Adaptor for 09350000	Screw c/w Nut	Thrust Race	Beam Converter	Thread Protector 63mm long	Thread Protector 38mm long	Thin Jaw Leg 75mm* (3")	Separator 10-55mm +/- 3" - 2 1/4" Dia.	Twin Beam	Forcing Screw (12mm Dia.)	Slide Hammer	Split Collet Extractors (6-38mm)	Metal Toolbox	Cardboard Box	Metal Display Panel	Description
																								15240000
																								15260000
																								15280000
																								15290000
																								15340000
																								15340500
																								15360000
																								15380000
																								15390000
																								18610000
																								18625000
																								18635000
																								18640000
																								18655000
																								15405300
																								15490000
																								15500000
																								15500300
																								15500800
																								155100V2
																						1		15510500
																								15520000
																								15520800
	1	1													2	1			1	7		2		15530500
																								155400V2
																							1	155405V2
								1	1	1	1	1	2											155700V2
				1	1	2	4	2	1	1	1	1		2										155800V2
				1	1	2	4	2	1	1	1	1	2	2										155900V2
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															2		1	1						18654400
															3		1	1						18655400
															3		1	1					1	18655500
																								19310000
																								19310100
																								19310300
	1	1													2	1			1	7		1		19310500
			1	1	2	4	2																	19320000
			1	1	2	4	2																	19320100
09400000	09400000	09582000	19321200	09520000	09321500	09321900	09322300	09350000	09352070	09311100	09312100	09312200	09312000	09322000	08601400	09500000	08601200	08271100	08542100	09580900 to 09581500				Kit Part No.

* Working dimensions. ** 1 only centre nut supplied with kits.

HYDRAULIC PULLER COMPONENT ILLUSTRATIONS

Ram Extensions

150mm
15272600



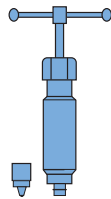
100mm
15262400



50mm
15242200



Hydraulic Ram
complete with nose piece
150000V2



Twin Head Assembly
15241200

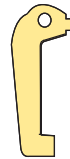


Triple Head Assembly
15341300

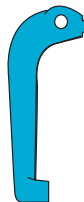


Standard Legs (Working Dimensions)

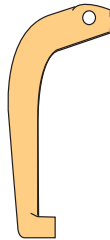
100mm (4")
15242400



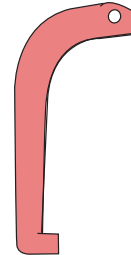
150mm (6")
15262600



200mm (8")
15282800

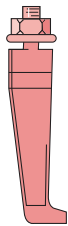


250mm (10")
15292900



Thin Jaw Legs (Working Dimensions)

150mm (6")
08611400



Leg Extension

116mm (4.6")
08612800



Twin Beams

19321200



18621200

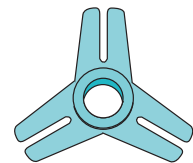


19311200

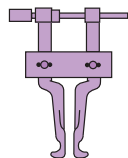


Triple Beam

18651300



Internal Race Extractor
09350000



Protectors

09322000

09312000



Rod Assemblies

09321500

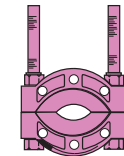
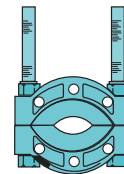
09311500



Separators

09520000

09510000



Screw
complete with thrust nut
09311100



Thrust Race
09312100



Converter
09312200



Adaptor
09352000



Rod Extensions

09311900



09312300



09321900



09322300

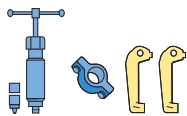


HYDRAULIC PULLER KITS - TWIN LEG - KIT BUILD

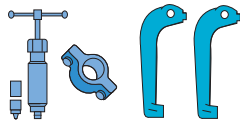
Part No. 15240000 - 15490000 (p.33 - p.34)



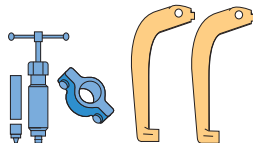
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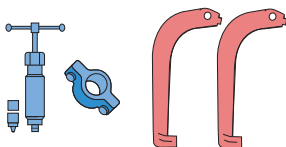
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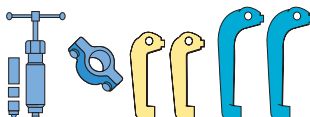
Part No. 15280000 (p.33)



Part No. 15290000 (p.33)



Part No. 15490000 (p.34)

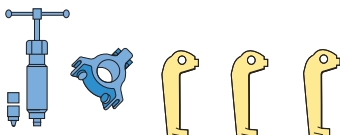


HYDRAULIC PULLER KITS - TRIPLE LEG - KIT BUILD

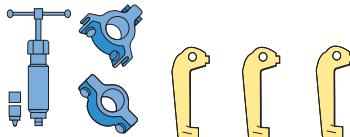
Part No. 15340000 - 15380000 (p.33 - p.34)



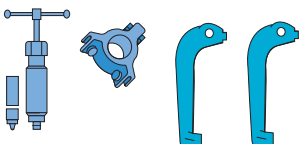
Part No. 15340000 (p.33)



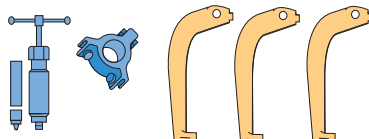
Part No. 15340500 (p.34)



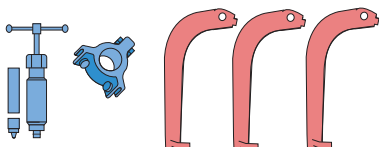
Part No. 15360000 (p.33)



Part No. 15380000 (p.33)



Part No. 15390000 (p.33)

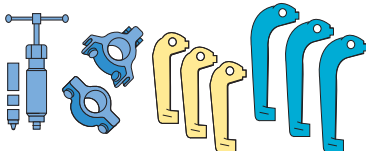


HYDRAULIC PULLER KITS - TWIN/TRIPLE LEG - KIT BUILD

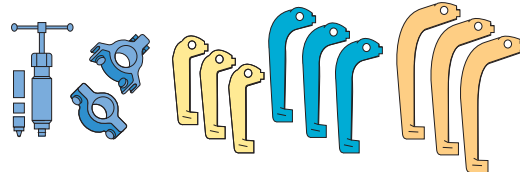
Part No. 15500300 (p.35)



Part No. 15500000 (p.35)

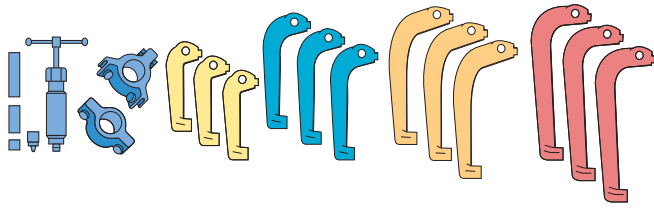


Part No. 15500800 (p.35)

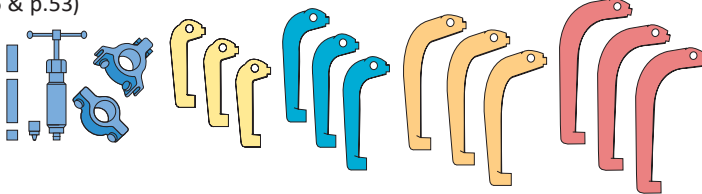


HYDRAULIC PULLER KITS - TWIN/TRIPLE LEG - KIT BUILD

Part No. 155100V2 (p.36)

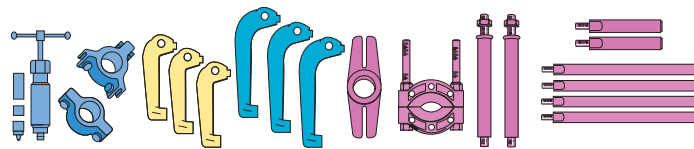


Part No. 15510500 (p.36 & p.53)

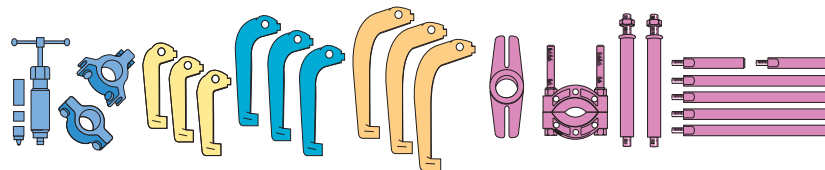


TWIN/TRIPLE LEG PULLER/SEPARATOR KITS - KIT BUILD

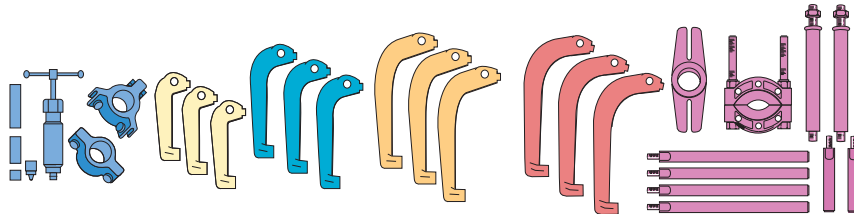
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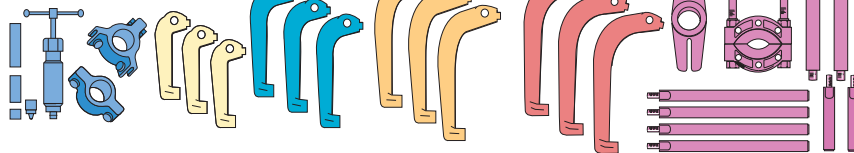
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Part No. 155400V2 (p.40)

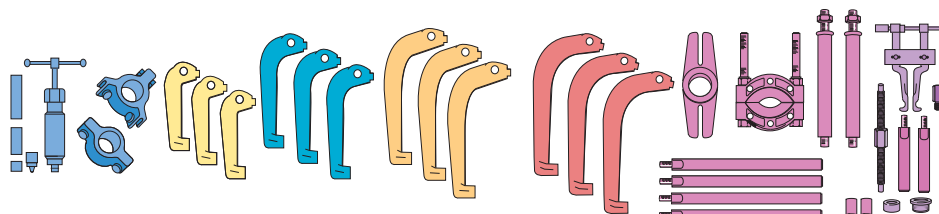


Part No. 155405V2 (p.40 & p.54)

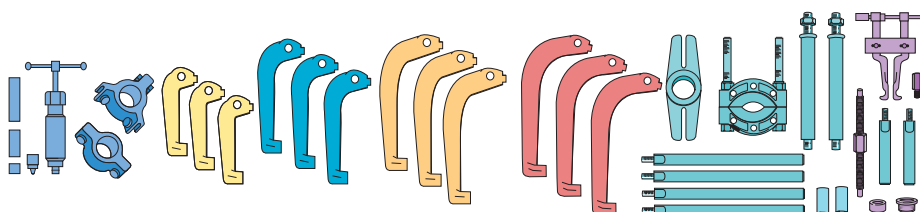


INTERNAL/EXTERNAL PULLER/SEPARATOR KITS - KIT BUILD

Part No. 155700V2 (p.42)

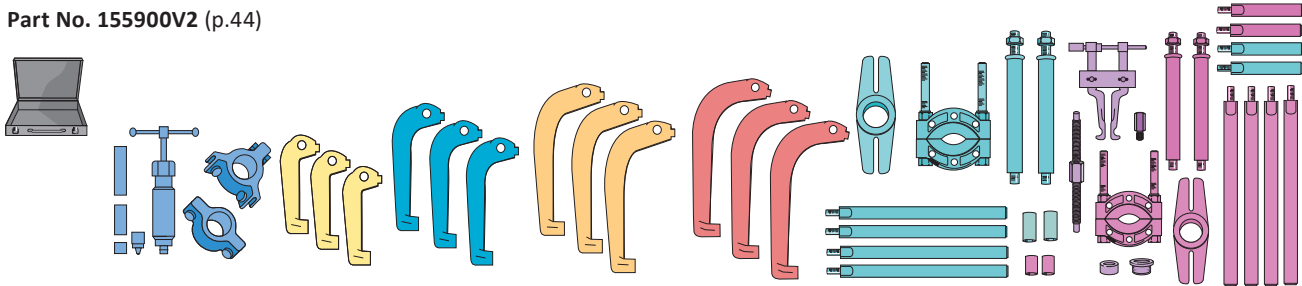


Part No. 155800V2 (p.43)

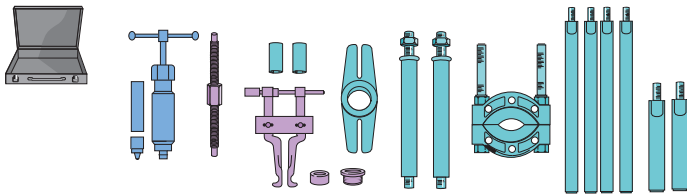


INTERNAL/EXTERNAL PULLER/SEPARATOR KITS - KIT BUILD

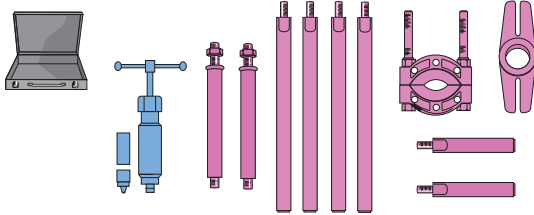
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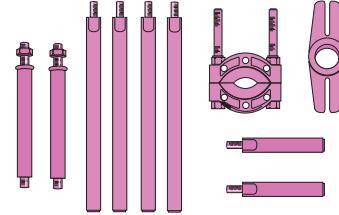
Part No. 15600000 (p.41)



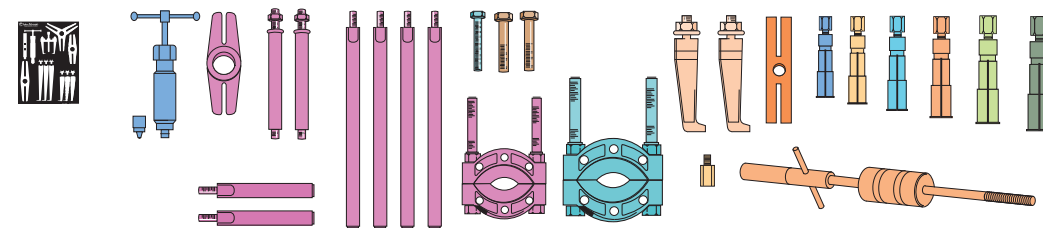
Part No. 19310000 (p.37)



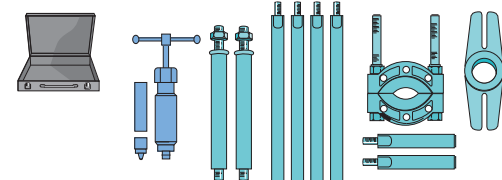
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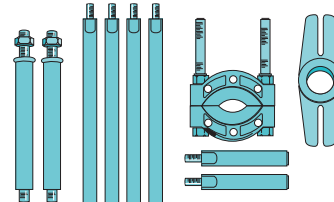
Part No. 19310500 (p.45 & p.53)



Part No. 19320000 (p.37)



Part No. 19320100 (p.37)



HYDRAULIC PULLERS

PULLER DISPLAY BOARDS

- For storage/display.
- Powder coated metal board with vinyl overlay.
- Panels and hooks are available separately.
- See page 51 for component illustrations.

 15510500




HYDRAULIC PULLER KIT

Contents

Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm
15512800	1	Metal Display Panel 610mm X 457mm
15512900	1	Hook Kit

HYDRAULIC INTERNAL EXTRACTOR PULLER & SEPARATOR KIT

 19310500

WITH SLIDE HAMMER

Contents

Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
19311200	1	Twin Beam
15262400	1	Ram Extension - 100mm
08601400	2	Leg 75mm - Thin Jaw
09500000	1	Separator 10-55mm
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm
08542100	1	Slide Hammer
09580900	1	Split Collet Extractor 6.5 - 8mm
09581000	1	Split Collet Extractor 8.5 - 10mm
09581100	1	Split Collet Extractor 10 - 12mm
09581200	1	Split Collet Extractor 12 - 17mm
09581300	1	Split Collet Extractor 19 - 22mm
09581400	1	Split Collet Extractor 22 - 30mm
09581500	1	Split Collet Extractor 30 - 38mm
09582000	1	Adaptor
09400000	1	Pulling Unit
15512800	1	Metal Display Panel 610mm X 457mm
19312900	1	Hook Kit



HYDRAULIC PULLERS

HYDRAULIC PULLER & SEPARATOR KIT

155405V2

Contents for 155400V2 and 155405V2

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15241200	1	Twin Head
15341300	1	Triple Head
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15272600	1	Ram Extension - 150mm
15242400	3	Leg - 100mm
15262600	3	Leg - 150mm
15282800	3	Leg - 200mm
15292900	3	Leg - 250mm (Extra Wide)
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm
1554280	1	Metal Panel
15542900	1	Hook Kit



COMPREHENSIVE HYDRAULIC PULLER / SEPARATOR / EXTRACTOR KIT

- Combines p/n **15510500** and **19310500** (opposite) to make the most comprehensive set of pulling, separating and extracting options available.
- Ideal workshop set for applications where a wide variety of pulling and extracting problems are likely to be encountered on daily basis.
- Supplied on 2 x metal display panels for ease of use and access.
- Refer to the contents lists opposite.
- See pages 51 & 52 for component illustrations.

15530500



15510500

19310500





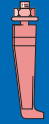


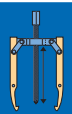
THIN JAW

MECHANICAL PULLERS

TWIN LEG MECHANICAL PULLERS

- Two legs for removing gears, races, bearings and sprockets.
- Automotive and industrial applications.
- Drop forged steel legs, beam and jaws.
- Heat treated for strength and durability.
- Can be upgraded for triple leg pulling.
- Supplied in cardboard box.
- See page 62 for kit contents.
- See page 65 for component illustrations.

Specifications

Leg Style: Thin Jaw		 Part No.	 Spread Min - Max mm	 Reach Max mm
Thin jaws enable access where clearance behind components is limited		08600000	0 - 75	80
		08607000	0 - 75	130
		08610000	0 - 150	150
		08625000	0 - 225	225
		08635000	0 - 150	225



Thin Jaw Leg

Manufactured to the same high specification as the standard leg and using the same materials, but designed for use where clearance is limited.



 08635000

 08607000

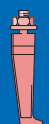

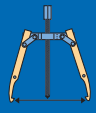
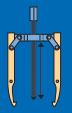


 08625000

TRIPLE LEG MECHANICAL PULLERS

- Three legs for removing gears, races, bearings and sprockets.
- Different leg styles available - see table below.
- Automotive and industrial applications.
- Drop forged steel legs, beam and jaws.
- Heat treated for strength and durability.
- Supplied in cardboard box.
- See page 62 for kit contents.
- See page 65 for component illustrations.

Specifications

Leg Style: Thin Jaw		 Part No.	 Spread Min - Max mm	 Reach Max mm
Thin jaws enable access where clearance behind components is limited		08601000	0 - 75	80
		08608000	0 - 75	130
		08640000	0 - 150	150
		08655000	0 - 150	225



 08608000





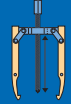
 08640000

MECHANICAL PULLERS

THIN JAW MECHANICAL PULLER KIT

- Makes 4 mechanical pullers
- Thin jaws enable access where clearance behind components is limited.
- Supplied in cardboard box.
- See page 65 for component illustrations.

Specifications

 Part No.	 Spread Max mm	 Reach Max mm	No. of Puller Combinations
08605300	75	130	4

Contents

Spare Parts Part No.	Qty	Description
08271100	1	Forcing Screw
08601200	1	Twin Beam
08601300	1	Triple Beam
08601400	3	Leg 75mm - Thin Jaw
08601600	1	Extension
08602800	3	Thin Jaw Extension Set - 48mm

 08605300



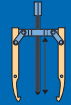


THIN JAW MECHANICAL PULLER KIT

- Contains components to make up 7 thin jaw leg pullers.
- Thin jaws enable access where clearance behind components is limited.
- Select either metal case or display panel.
- See page 65 for component illustrations.
- Display panel has space to add additional components;
 - 08601400 - 75mm Thin Jaw Leg x 1
 - 08601300 - Triple Beam x 1
 - 08602800 - 48mm Thin Jaw Extension Set x 3

 08654500

Specifications

 Part No.	 Spread mm	 Reach Max mm	Packaging
08654400	10 - 225	225	Metal Case
08654500	10 - 225	225	Metal Display Panel

Contents

Spare Parts Part No.	Qty	Description
08611100	1	Forcing Screw
08291100	1	Forcing Screw
08600000	1	Puller - Thin Jaw
08611200	1	Twin Beam
08621200	1	Twin Beam
08651300	1	Triple Beam
08611400	3	Leg 150mm - Thin Jaw
08612800	3	Thin Jaw Extension Set - 75mm



MECHANICAL PULLERS

THIN JAW MECHANICAL PULLER KIT

08655500

- Contains components to make up 10 thin jaw leg pullers.
- Thin jaws enable access where clearance behind components is limited.
- Select either metal case or display panel.
- See page 65 for component illustrations.

Specifications

Part No.	Spread mm	Reach Max mm	Packaging
08655400	10 - 225	225	Metal Case
08655500	10 - 225	225	Metal Display Panel

Contents

Spare Parts Part No.	Qty	Description
08611100	1	Forcing Screw
08291100	1	Forcing Screw
08600000	1	Puller - Thin Jaw
08611200	1	Twin Beam
08621200	1	Twin Beam
08651300	1	Triple Beam
08611400	3	Leg 150mm - Thin Jaw
08602800	3	Thin Jaw Extension Set - 48mm
08601300	1	Triple Beam
08601400	1	Leg 75mm - Thin Jaw
08612800	3	Thin Jaw Extension Set - 75mm



MECHANICAL PULLER & SEPARATOR KITS

09400300

MULTI PULLER PACK

- Makes 5 different mechanical puller/separator combinations.
- Consists of a thin jaw puller, reversible leg puller and separator and is an ideal combination for light applications.
- Supplied in cardboard box.
- See page 65 for component illustrations.

Contents

Spare Parts Part No.	Qty	Description
08281100	1	Forcing Screw
08601400	2	Leg 75mm - Thin Jaw
09301200	1	Twin Beam
09301500	2	Main Rod
66036100	1	Forcing Screw
09500000	1	Separator 10-55mm
08271200	1	Twin Head
08271300	1	Triple Head
08271400	3	Leg - Double Ended Reversible

Specifications

Part No.	Spread Max mm	Reach Max mm	External Spread Min - Max mm
09400300	140	89	10 - 55





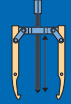

MECHANICAL PULLERS

THIN JAW MECHANICAL PULLER & SEPARATOR KIT

 09305300

- Small capacity puller & separator pack.
- Thin jaws enable access where clearance behind component is limited.
- Supplied in cardboard box.
- See page 65 for component illustrations.

Specifications

 Part No.	 Spread Max mm	 Reach Max mm	 External Spread Max mm
09305300	75	125	55

Contents

Spare Parts Part No.	Qty	Description
08230000	1	Puller Gold
08601400	2	Leg 75mm - Thin Jaw
08281100	1	Forcing Screw
09301200	1	Twin Beam
09301500	2	Main Rod
09500000	1	Separator 10-55mm
08602800	2	Thin Jaw Extension Set - 48mm



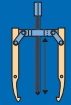
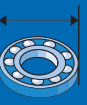


THIN JAW MECHANICAL PULLER & SEPARATOR KIT

 09300500

- Pulling unit with small capacity separator and thin jaw legs will remove bearings inaccessible to standard puller jaws.
- Supplied in cardboard box.
- See page 65 for component illustrations.

Specifications & Contents

 Part No.	 Spread Max mm	 Reach Max mm	 External Spread Max mm
09300500	75	75	55

Contents


Spare Parts Part No.	Qty	Description
08281100	1	Forcing Screw
08601400	2	Leg 75mm - Thin Jaw
09301200	1	Beam Twin
09301500	2	Main Rod
09500000	1	Separator 10-55mm



THIN JAW TWIN LEG HYDRAULIC PULLERS

- Removes gears, bearings, pulleys and sprockets.
- Wide range of automotive and industrial applications.
- Powered by 1500 series hydraulic ram.
- Safe and easy to use.
- 8 tonnes of force with minimum effort.
- Easy to adjust.
- Non-twisting for improved stability.
- Supplied with nose piece for use on centred shafts.
- See page 62 for kit contents.
- See page 66 for component illustrations.

Specifications

 Thin Jaw Leg			
Part No.	Puller Spread mm	Puller Reach Max mm	Ram Extension mm
18610000	50 - 150	150	50
18635000	50 - 150	225	150
18625000	50 - 225	225	150



Thin Jaw Leg


Manufactured to the same high specification as the standard leg and using the same materials, but designed for use where clearance is limited.



THIN JAW TRIPLE LEG HYDRAULIC PULLERS

- Removes gears, bearings, pulleys and sprockets.
- Wide range of automotive and industrial applications.
- Powered by 1500 series hydraulic ram.
- Safe and easy to use.
- 8 tonnes of force with minimum effort.
- Easy to adjust.
- Non-twisting for improved stability.
- Supplied with nose piece for use on centred shafts.
- See page 62 for kit contents.
- See page 66 for component illustrations.

Specifications

 Thin Jaw Leg			
Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
18640000	50 - 150	150	50
18655000	50 - 150	225	150



THIN JAW HYDRAULIC TWIN/TRIPLE LEG PULLER KITS

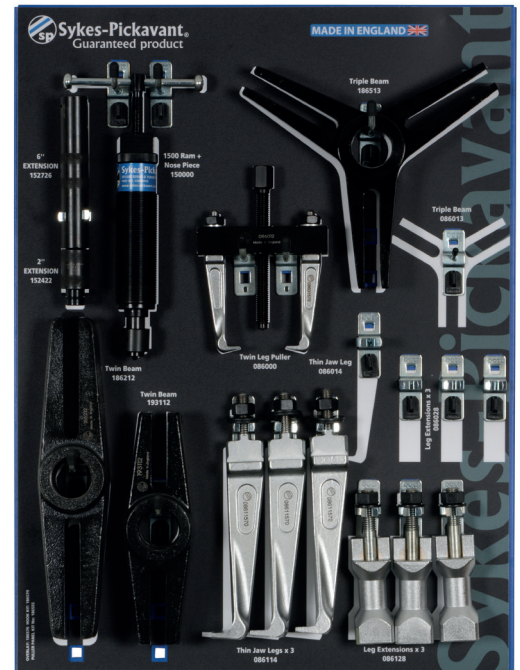
- Makes 6 different hydraulic and 1 mechanical thin jaw puller.
- Supplied in metal case (p/n **18654400**) or on metal display panel (p/n **18654500**).
- See page 66 for component illustrations.

Specifications for 18654400 and 18654500

Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
18654400 & 18654500	10 - 225	225	50 / 150

Contents for 18654400 and 18654500

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15242200	1	Ram Extension - 50mm
15272600	1	Ram Extension - 150mm
08601200	1	Twin Beam
18621200	1	Twin Beam
18651300	1	Triple Beam
19311200	1	Twin Beam
08601400	2	Leg 75mm - Thin Jaw
08271100	1	Forcing Screw 12 X 1.75 X 150mm
08611400	3	Leg 150mm - Thin Jaw
08612800	3	Thin Jaw Extension Set - 75mm



18654500

THIN JAW HYDRAULIC TWIN/TRIPLE LEG PULLER KITS

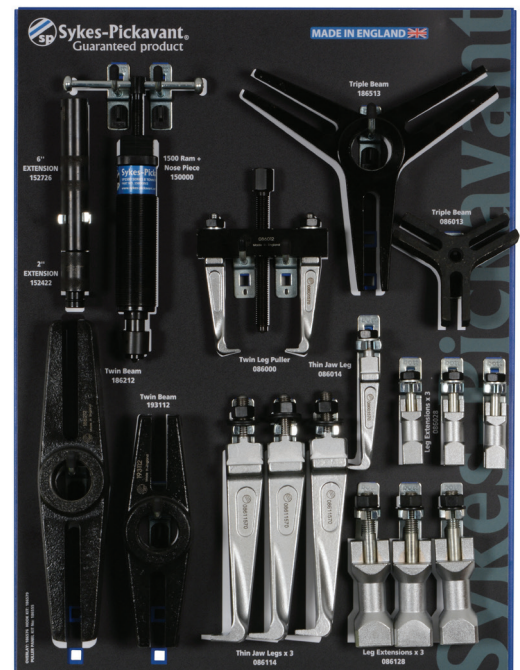
- Makes 6 different hydraulic and 4 mechanical thin jaw puller.
- Supplied in metal case (p/n **18655400**) or on metal display panel (p/n **18655500**).
- See page 66 for component illustrations.

Specifications for 18655400 and 18655500

Part No.	Puller Spread Min - Max mm	Puller Reach Max mm	Ram Extension mm
18655400 & 18655500	10 - 225	225	50 / 150

Contents for 18655400 and 18655500

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15242200	1	Ram Extension - 50mm
15272600	1	Ram Extension - 150mm
08601200	1	Twin Beam
18621200	1	Twin Beam
18651300	1	Triple Beam
19311200	1	Twin Beam
08601400	3	Leg 75mm - Thin Jaw
08271100	1	Forcing Screw 12 X 1.75 X 150mm
08611400	3	Leg 150mm - Thin Jaw
08612800	3	Thin Jaw Extension Set - 75mm
08601300	1	Triple Beam
08602800	3	Thin Jaw Extension Set - 48mm







18655500

HYDRAULIC COMBINATION TWIN LEG PULLER KIT

 15405300

- Makes 4 different hydraulic pullers.
- Combination of standard and thin jaw leg pullers.
- See page 66 for component illustrations.

Specifications

 Part No.	 Puller Spread Min - Max mm	 Puller Reach Max mm	 Ram Extension mm
15405300	50 - 150	255	50 / 100

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
15262600	2	Leg 150mm
08611400	2	Leg 150mm - Thin Jaw
15242400	2	Leg 100mm
19311200	1	Twin Beam
15242200	1	Ram Extension - 50mm
15262400	1	Ram Extension - 100mm
15241200	1	Twin Head Assembly
08612800	2	Thin Jaw Extension Set - 75mm








HYDRAULIC PULLER & SEPARATOR KIT - THIN JAW

 19310300

- Combination pack consisting of a medium duty hydraulic thin jaw puller and bearing separator.
- Also available without hydraulic ram as kit 19310400.
- Supplied in cardboard box.
- See page 66 for component illustrations.

Specifications

 Part No.	 External Spread Min - Max mm	 External Reach Max mm	 Puller Spread Min - Max mm	 Puller Reach Max mm
19310300	20 - 105	876	50 - 150	150

Contents

Spare Parts Part No.	Qty	Description
150000V2	1	Hydraulic Ram With Nose Piece
08611400	2	Leg 150mm - Thin Jaw
19311200	1	Twin Beam
09510000	1	Separator 20-105mm
09311500	2	Main Rod
09311900	4	Extension Rod
09312300	2	Extension Rod 125mm



THIN JAW PULLERS

MECHANICAL THIN JAW KIT CONTENTS

Part No.	Description	08600000	08601000	08605300	08607000	08608000	08610000	08625000	08635000	08640000	08654400	08654500	08655000	08655400	08655500	09400300	09305300	09300500
08230000	Puller Gold Std	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
08271100	Forcing Screw	1	1	1	1	1	-	-	-	-	1	1	-	1	1	-	-	-
08271200	Twin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
08271300	Triple Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
08271400	Leg - Double Ended Reversible	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
08281100	Forcing Screw	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
08291100	Forcing Screw	-	-	-	-	-	-	1	1	-	1	1	1	1	1	-	-	-
08601200	Twin Beam	1	-	1	1	-	-	-	-	-	1	1	-	1	1	-	-	-
08601300	Triple Beam	-	1	1	-	1	-	-	-	-	-	-	-	1	1	-	-	-
08601400	Leg 75mm - Thin Jaw	2	3	3	2	3	-	-	-	-	2	2	-	3	3	2	2	2
08601600	Extension	-	-	1	1	1	-	-	-	-	-	-	-	1	1	-	-	-
08602800	Thin Jaw Extension Set - 48mm	-	-	3	2	3	-	-	-	-	-	-	-	3	3	-	2	-
08611100	Forcing Screw	-	-	-	-	-	1	-	-	1	1	1	-	1	1	-	-	-
08611200	Twin Beam	-	-	-	-	-	1	-	1	-	1	1	-	1	1	-	-	-
08621200	Twin Beam	-	-	-	-	-	-	1	-	-	1	1	-	1	1	-	-	-
08651300	Triple Beam	-	-	-	-	-	-	-	-	1	1	1	1	1	1	-	-	-
08611400	Leg 150mm - Thin Jaw	-	-	-	-	-	2	2	2	3	3	3	3	3	3	-	-	-
08612800	Thin Jaw Extension Set - 75mm	-	-	-	-	-	-	2	2	-	3	3	3	3	3	-	-	-
09301200	Twin Beam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
09301500	Main Rod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2
09500000	Separator 10-55mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1
66036100	Forcing Screw	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-

HYDRAULIC THIN JAW KIT CONTENTS

Part No.	Description	15405300	18610000	18635000	18625000	18640000	18655000	18654400	18654500	18655400	18655500	19310300	19310400
08271100	Forcing Screw	-	-	-	-	-	-	1	1	1	1	-	-
08601200	Twin Beam	-	-	-	-	-	-	1	1	1	1	-	-
08601300	Triple Beam	-	-	-	-	-	-	-	-	1	1	-	-
08601400	Leg 75mm - Thin Jaw	-	-	-	-	-	-	2	2	3	3	-	-
08601600	Extension	-	-	-	-	-	-	-	-	1	1	-	-
08602800	Thin Jaw Extension Set - 48mm	-	-	-	-	-	-	-	-	3	3	-	-
08611400	Leg 150mm - Thin Jaw	2	2	2	2	3	3	3	3	3	3	2	2
08612800	Thin Jaw Extension Set - 75mm	2	-	2	2	-	3	3	3	3	3	-	-
09311500	Main Rod - 254mm	-	-	-	-	-	-	-	-	-	-	2	2
09311900	Extension Rod - 285mm	-	-	-	-	-	-	-	-	-	-	4	4
09312300	Extension Rod - 125mm	-	-	-	-	-	-	-	-	-	-	2	2
09510000	Separator 20 - 105mm	-	-	-	-	-	-	-	-	-	-	1	1
150000V2	Hydraulic Ram With Nose Piece and 50mm Ram Extension	1	1	1	1	1	1	1	1	1	1	1	-
15241200	Twin Head Assembly	1	-	-	-	-	-	-	-	-	-	-	-
15242400	Leg 100mm	2	-	-	-	-	-	-	-	-	-	-	-
15262400	Ram Extension - 100mm	1	-	-	-	-	-	-	-	-	-	-	-
15262600	Leg 150mm	2	-	-	-	-	-	-	-	-	-	-	-
15272600	Ram Extension - 150mm	-	-	1	1	-	1	1	1	1	1	-	-
18621200	Twin Beam	-	-	-	1	-	-	1	1	1	1	-	-
18651300	Triple Beam	-	-	-	-	1	1	1	1	1	1	-	-
19311200	Twin Beam	1	1	1	-	-	-	1	1	1	1	1	1

MECHANICAL PULLERS

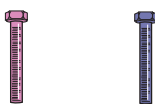
MECHANICAL PULLER COMPONENT ILLUSTRATIONS

Forcing Screws

08271100 08281100 08291100



08611100 66036100



Extension 08601600

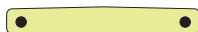


Twin Heads

08271200



08281200



08291200

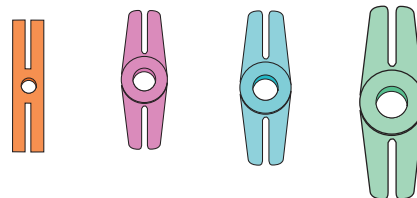


Twin Beams

08601200 08611200 08621200

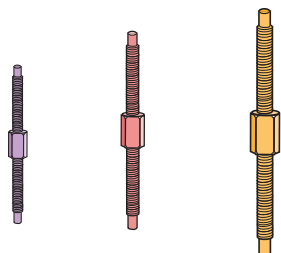


09301200 09311200 09321200 09331200



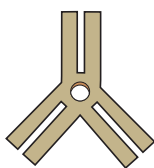
Screws Complete with Thrust Nut

09311100 09321100 09331100

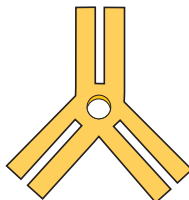


Triple Beams

08601300



08651300



Triple Heads

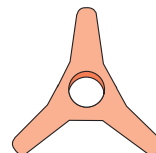
08271300



08281300

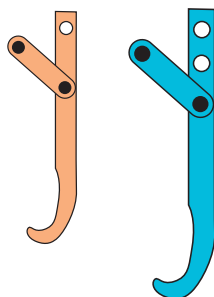


08291300



Standard Adjustable Leg Assemblies

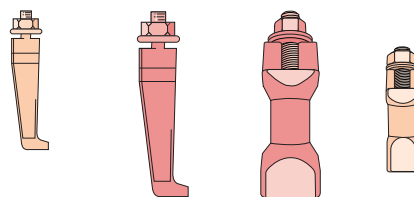
08291400 08331400



Thin Jaw Leg Assemblies

(Working Dimensions) Leg Extensions

75mm 150mm 116mm 74mm
08601400 08611400 08612800 08602800

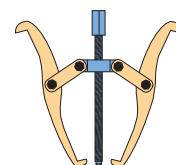


Protectors

09312000
09322000
09332000

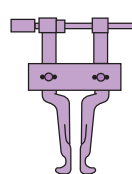


Combination Twin/Triple Puller 66037500

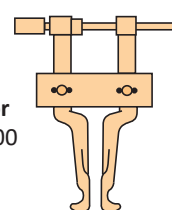


Internal Race Extractors

09350000



09360000



Adaptor
09352000



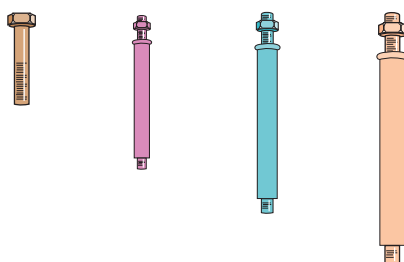
Thrust Races

09312100 09322100 09332100



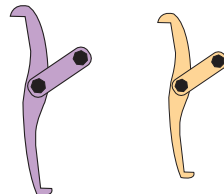
Rod Assemblies

09301500 09311500 09321500 09331500



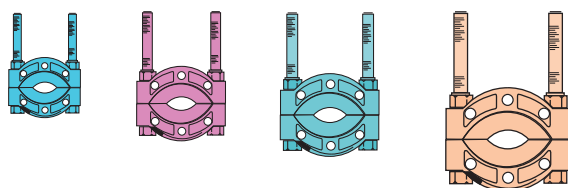
Double Ended Reversible Leg Assemblies

08281400 08271400

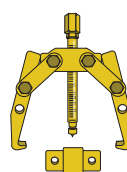


Separators

09500000 09510000 09520000 09530000



Gold Twin/Triple Leg Puller 08230000



Rod Extensions

09312300 09322300



09311900



09321900



09331900



HYDRAULIC PULLERS

HYDRAULIC PULLER COMPONENT ILLUSTRATIONS

Ram Extensions

150mm
15272600



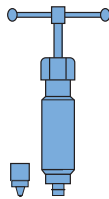
100mm
15262400



50mm
15242200



Hydraulic Ram
complete with nose piece
150000V2



Twin Head Assembly
15241200



Triple Head Assembly
15341300

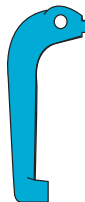


Standard Legs (Working Dimensions)

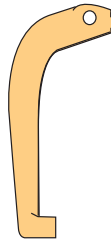
100mm (4")
15242400



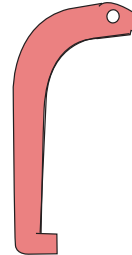
150mm (6")
15262600



200mm (8")
15282800

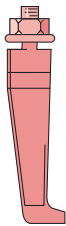


250mm (10")
15292900



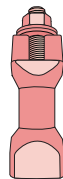
Thin Jaw Legs [Working Dimensions]

150mm (6")
08611400



Leg Extension

116mm (4.6")
08612800



Twin Beams

19321200



18621200

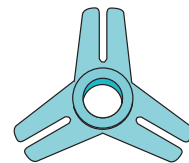


19311200

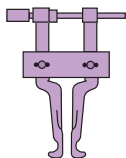


Triple Beam

18651300



Internal Race Extractor
09350000



Protectors

09322000

09312000



Rod Assemblies

09321500

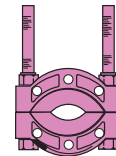
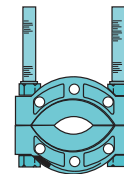
09311500



Separators

09520000

09510000



Screw
complete with thrust nut
09311100



Thrust Race
09312100



Converter
09312200



Adaptor
09352000



Rod Extensions

09311900



09312300



09321900



09322300



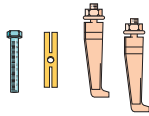
THIN JAW PULLERS

MECHANICAL PULLER KIT BUILD

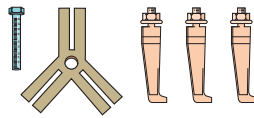
Part No. 08600000 - 08655000 (p.55 - p.56)



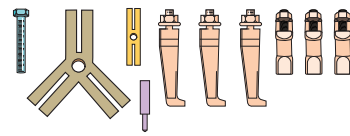
Part No. 08600000 (p.55)



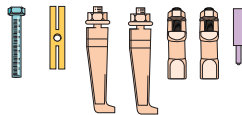
Part No. 08601000 (p.55)



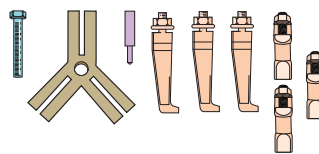
Part No. 08605300 (p.56)



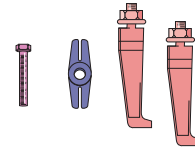
Part No. 08607000 (p.55)



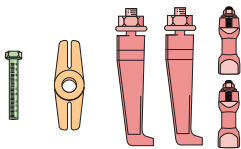
Part No. 08608000 (p.55)



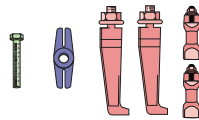
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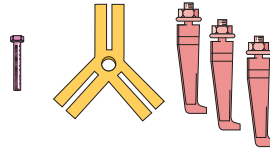
Part No. 08625000 (p.55)



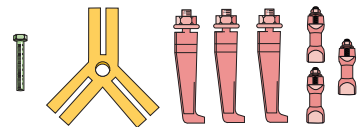
Part No. 08635000 (p.55)



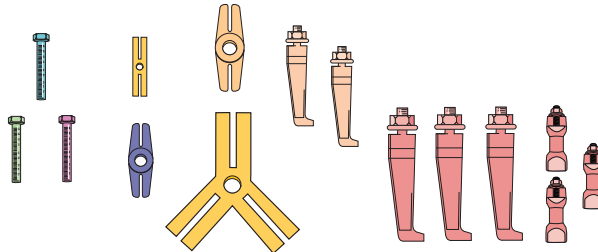
Part No. 08640000 (p.55)



Part No. 08655000 (p.55)



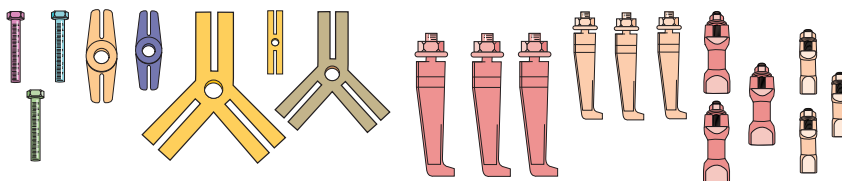
Part No. 08654400 (p.56)



Part No. 08654500 (p.56)



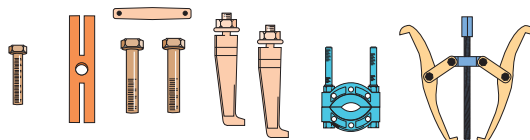
Part No. 08655400 (p.57)



Part No. 08655500 (p.57)

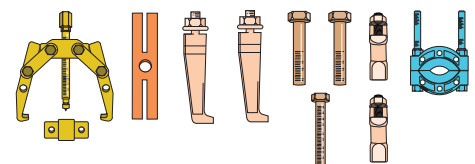
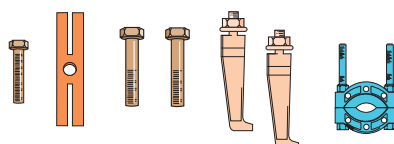


Part No. 09400300 (p.57)



Part No. 09305300 (p.58)

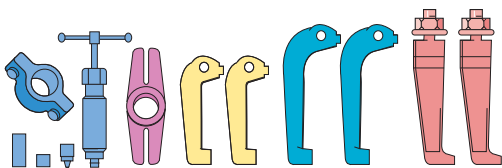
Part No. 09300500 (p.58)



THIN JAW PULLERS

HYDRAULIC PULLER KIT BUILD

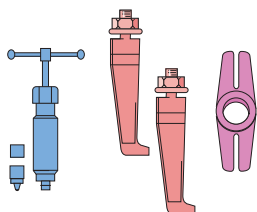
Part No. 15405300 (p.61)



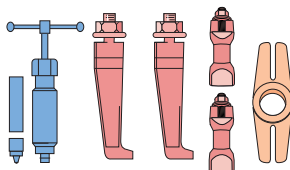
Part No. 18610000 - 18655000 (p.59)



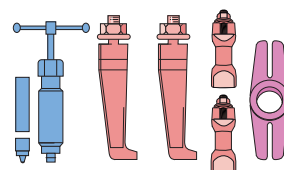
Part No. 18610000 (p.59)



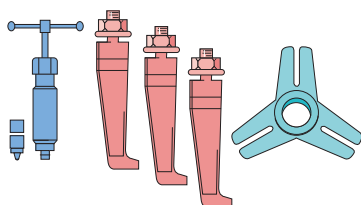
Part No. 18625000 (p.59)



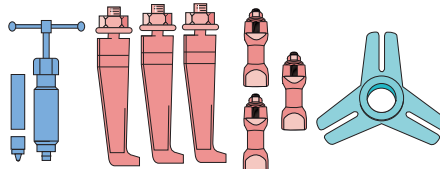
Part No. 18635000 (p.59)



Part No. 18640000 (p.59)



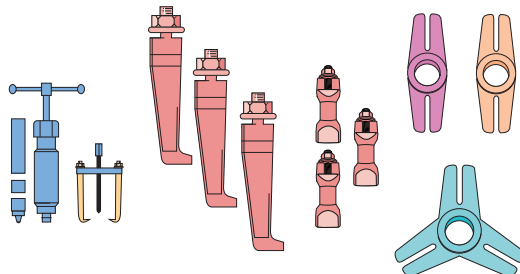
Part No. 18655000 (p.59)



Part No. 18654400 (p.60)



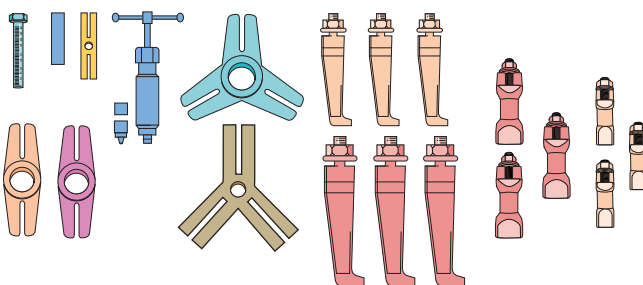
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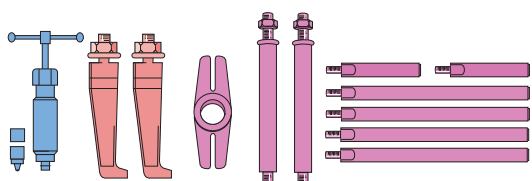
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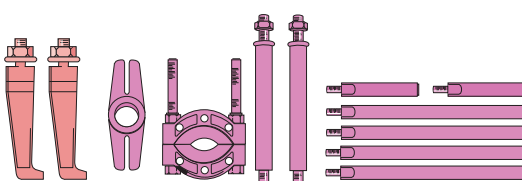
Part No. 18655500 (p.60)



Part No. 19310300 (p.61)



Part No. 19310400 (p.61)





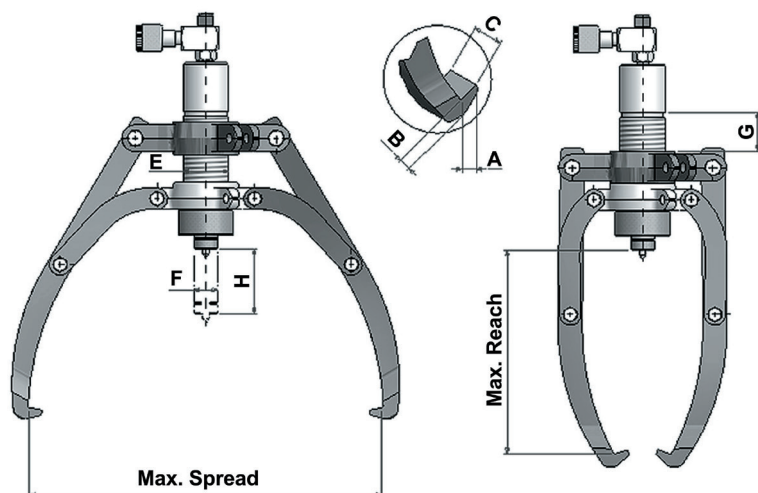
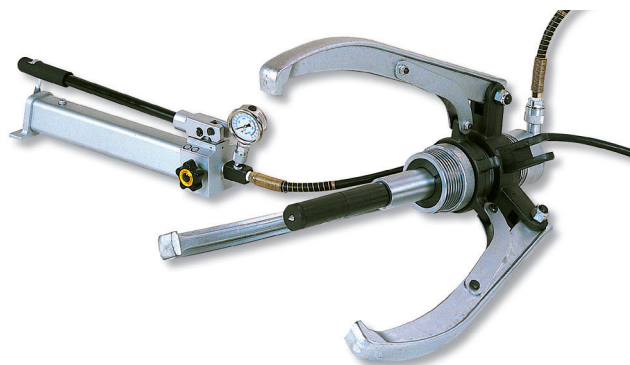


LOADSTAR PULLERS

LOADSTAR PULLERS

- Self centering self locking puller legs so grip increases as load increases.
- Easy one man operation.
- 2 and 3 way options.
- 360 degree swivel hose coupling for optimum access.
- Lightweight aluminium hydraulic pump included.
- Selection of ram extension rods supplied to increase stroke.
- In-built safety valve to prevent overloading.

Hydraulic Loadstar



LOADSTAR PULLER 8 TONNE

 20100800

- 8T Hydraulic Ram and Pump.
- Selection of 3 ram extension rods supplied to increase stroke.
- Spread 450mm.
- Reach 280mm.
- Puller supplied in sturdy plastic storage case.
- Pump supplied in steel storage case.
- See opposite for specifications.
- See Page 76 for Hydraulic Pump Assembly spare parts.

Contents

Part No.	Qty	Description
20017000	1	Hydraulic Pump Assembly
21720000	1	High Pressure Hose 1.8m Long
21790000	1	Gauge & Gauge Block
20100810	1	Hydraulic Ram
20100814	1	Leg Assembly
20100812	1	Head Assembly - Upper
20100813	1	Head Assembly - Lower
20100820	1	Ram Extension Set (3 piece)



LOADSTAR PULLERS

LOADSTAR PULLER 12 TONNE

- 12T Hydraulic Ram and Pump.
- Selection of 4 ram extension rods supplied to increase stroke.
- Spread 485mm.
- Reach 305mm.
- Puller supplied in sturdy plastic storage case.
- Pump supplied in steel storage case.
- See below for specifications.
- See Page 76 for Hydraulic Pump Assembly spare parts.

Contents

Part No.	Qty	Description
20017000	1	Hydraulic Pump Assembly
21720000	1	High Pressure Hose 1.8m Long
21790000	1	Gauge & Gauge Block
20101210	1	Hydraulic Ram
20101214	1	Leg Assembly
20101212	1	Head Assembly - Upper
20101213	1	Head Assembly - Lower
20101220	1	Ram Extension Set (4 piece)



Hydraulic Loadstar

 20101200

LOADSTAR PULLER 20 TONNE

- 20T Hydraulic Ram and Pump.
- Puller and pump supplied in steel storage case.
- Selection of 4 ram extension rods supplied to increase stroke.
- Spread 570mm.
- Reach 365mm.
- Supplied in steel storage cases.
- See below for specifications.
- See Page 76 for Hydraulic Pump Assembly spare parts.





Contents

Part No.	Qty	Description
20017000	1	Hydraulic Pump Assembly
21720000	1	High Pressure Hose 1.8m Long
21790000	1	Gauge & Gauge Block
20102010	1	Hydraulic Ram
20102014	1	Leg Assembly
20102012	1	Head Assembly - Upper
20102013	1	Head Assembly - Lower
20102020	1	Ram Extension Set (4 piece)



 20102000

Loadstar Pullers - Specifications

 Part No.	 Puller Spread Max mm	 Puller Reach Max mm	 Capacity Tonnes	Stroke mm H	Ram Dia mm E	Nose Dia. mm F	Travel mm G	Jaw Tip mm A	Jaw Tip mm B	Jaw Tip mm C	Weight kg
20100800	450	280	8	85	50	25	70	13	13	27.5	26
20101200	485	305	12	85	60	28	70	15	16.5	29	36
20102000	570	365	20	111	80	40	62	20	27	33	66

LOADSTAR PULLERS

LOADSTAR PLUS PULLERS

- Loadstar Plus Heavy Duty Pullers offer a comprehensive range of pulling and extracting options.
- **Available in 20 Tonne, 30 Tonne and 50 Tonne.**
- Choices range from fully equipped "Comprehensive Kits" or entry level puller kits with the capability to add on extra packs as required.
- These extra packs consist of Separator packs, Accessory Packs and in the 20 Tonne version there is also a Press Frame pack available.
- The Loadstar Plus series is a versatile system with a range of options to suit all heavy duty pulling and extraction situations.

Hydraulic Loadstar

LOADSTAR "PLUS" PULLERS - 20 TONNE KITS

20 TONNE LOADSTAR "PLUS" ENTRY LEVEL KIT

- 20T Hydraulic Cylinder and Pump.
- 3 pulling combinations.
- Supplied in steel storage case.
- 3 x Cranked legs.
- 3 x Straight legs
- 3 x Leg extensions.
- Spread 530mm.
- Reach 760mm.
- See page 71 for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.

 20200000



20 TONNE LOADSTAR "PLUS" ENTRY LEVEL KIT (MINUS PUMP)

- 20T Hydraulic Cylinder.
- Capability as above for those customers who already have a suitable hydraulic pump (10,000 psi) with standard 3/4" hydraulic quick coupler.
- Supplied in steel storage case.
- 3 x Cranked legs.
- 3 x Straight legs.
- 3 x Leg extensions.
- Spread 530mm.
- Reach 760mm.
- See page 71 for kit contents.
- See page 76 for specifications.

 20201000



20 TONNE LOADSTAR "PLUS" SEPARATOR ADD-ON PACK

- Provides all additional components to add bearing separator capability to the entry level kit without any duplication of parts.
- Supplied in steel storage case.
- See page 71 for kit contents.
- See page 76 for specifications.

 20202000



LOADSTAR PULLERS

20 TONNE LOADSTAR "PLUS" ACCESSORIES ADD-ON PACK

- Provides a range of accessories which increase the capability of the entry level kit (with or without the Separator Add-On pack).
- Includes 5 extractor (pushing) pins for those hard to reach applications.
- Auto-grip collar and adaptor for quick change of pins
- Ram bases and heads for jacking applications.
- Supplied in steel storage case.
- See page 71 for kit contents.

20203000



20 TONNE LOADSTAR "PLUS" PRESS FRAME ADD-ON PACK

- Press frame assembly to add portable press capability.
- Particularly useful for removal of HGV suspension King Pins.
- Includes 5 extractor (pushing) pins for those hard to reach applications.
- Auto-grip collar and adaptor for quick change of pins.
- Supplied in steel storage case.
- See page 71 for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.

20204000



20 TONNE LOADSTAR "PLUS" PRESS FRAME - COMPLETE KIT

- 20T Hydraulic Cylinder and Pump.
- Stand alone portable press frame kit for pin pushing applications.
- Particularly useful for removal of HGV suspension King Pins.
- Includes 5 extractor (pushing) pins for those hard to reach applications.
- Auto-Grip collar and adaptor for quick change of pins.
- Supplied in steel storage case.
- See page 71 for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.

21200000



20 TONNE LOADSTAR "PLUS" PRESS FRAME - COMPLETE KIT (MINUS PUMP)

- As per 21200000 kit above minus pump.
- Capability as above for those customers who already have a suitable hydraulic pump (10,000 psi) with standard 3/4" hydraulic quick coupler.

21200100



20 TONNE LOADSTAR "PLUS" PRESS FRAME - COMPLETE KIT

Updated Kit now includes additional pins for use with 'Optare' Buses 2011-fitted with albion axles (Pin Ref: R1800058).

- 20T Hydraulic Cylinder and Pump.
- Stand alone portable press frame kit for pin pushing applications.
- Particularly useful for removal of HGV suspension King Pins.
- Includes 7 extractor (pushing) pins for those hard to reach applications.
- Auto-Grip collar and adaptor for quick change of pins.
- Supplied in steel storage case.

212050V2



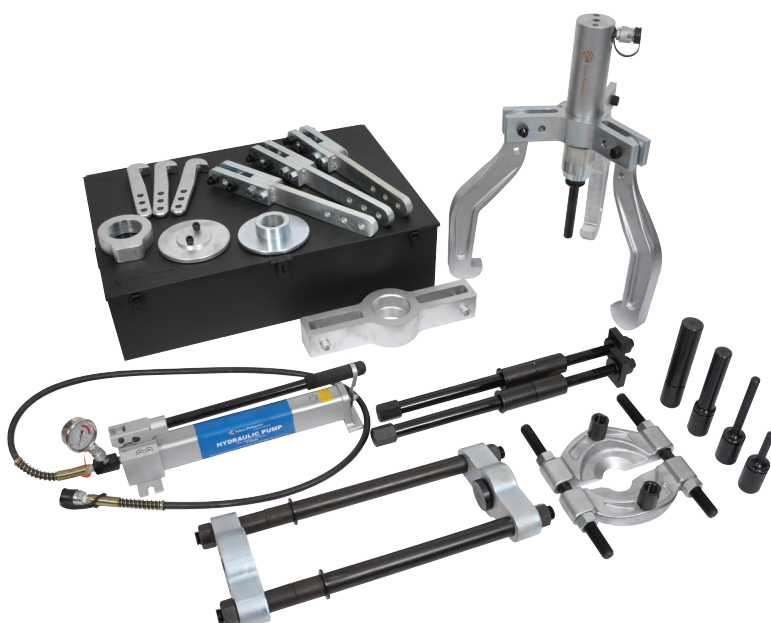
SPECIAL VERSION FOR 'OPTARE' BUSES

20 TONNE LOADSTAR "PLUS" COMPREHENSIVE KIT

- 20T Hydraulic Cylinder and Pump.
- Contains full capability without any duplication of parts.
- 6 pulling combinations.
- Bearing separator capability.
- Portable press frame included.
- Internal pulling unit included.
- Supplied in 2 steel storage cases.
- 3 x Cranked legs.
- 3 x Straight legs.
- 3 x Leg extensions.
- Spread 530mm.
- Reach 760mm.
- See below for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.

Hydraulic Loadstar

20205000



LOADSTAR "PLUS" 20 TONNE KIT CONTENTS

Part No.	Description	20205000	20200000	20201000	20202000	20203000	20204000	21200000	21200100	212050V2
		Kit Qty	Kit Qty	Kit Qty	Kit Qty	Kit Qty	Kit Qty	Kit Qty	Kit Qty	Kit Qty
20017000	Hydraulic Pump	1	1	-	-	-	-	1	-	1
20012000	20T Hydraulic Cylinder	1	1	1	-	-	-	1	1	1
20028500	20T 3 Way Beam incl. Pins & Nuts	1	1	1	-	-	-	-	-	-
20028600	Puller Leg - Cranked	3	3	3	-	-	-	-	-	-
20028400	Puller Leg - Straight	3	3	3	-	-	-	-	-	-
20019200	Leg Extension incl Pins & Nuts	3	3	3	-	-	-	-	-	-
09530000	Separator incl. Adaptors	1	-	-	1	-	-	-	-	-
20028300	Twin Beam	1	-	-	1	-	-	-	-	-
20028900	Rod Assembly	2	-	-	2	-	-	-	-	-
20012400	Base Pushing Plate incl. Bolts	1	-	-	-	1	-	-	-	-
20012100	Base	1	-	-	-	1	-	-	-	-
20012300	Toe Lift Finished	1	-	-	-	1	-	-	-	-
20014400	Extractor Pin 25 x 150	1	-	-	-	1	1	1	1	1
20014500	Extractor Pin 50 x 150	1	-	-	-	1	1	1	1	1
20014600	Extractor Pin 38 x 150	1	-	-	-	1	1	1	1	1
20014700	Extractor Pin 18 x 75	1	-	-	-	1	1	1	1	1
20014800	Extractor Pin 20 x 150	1	-	-	-	1	1	1	1	1
20014270	Optare Pin	-	-	-	-	-	-	-	-	1
20014000	33mm short pin	-	-	-	-	-	-	-	-	1
20014100	33mm long pin	-	-	-	-	-	-	-	-	1
20014900	Auto Grip Collar & Adaptor	1	-	-	-	1	1	1	1	1
20039500	Press Frame	1	-	-	-	-	1	1	1	1
20208300	Steel Storage Case	2	1	1	-	-	-	-	-	-
20208400	Steel Storage Case	-	-	-	1	-	1	1	1	1
08038200	Steel Storage Case	-	-	-	-	1	-	-	-	-

30 TONNE LOADSTAR "PLUS" ENTRY LEVEL KIT

- 30T Hydraulic Cylinder and Pump.
- 4 pulling combinations.
- Supplied in steel storage case.
- 3 x Cranked legs.
- 3 x Straight legs.
- 3 x Leg extensions.
- Spread 530mm.
- Reach 580mm.
- See page 73 for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.

SP 20300000



30 TONNE LOADSTAR "PLUS" ENTRY LEVEL KIT (MINUS PUMP)

- 30T Hydraulic Cylinder.
- Capability as above for those customers who already have a suitable hydraulic pump (10,000 psi) with standard 3/4" hydraulic quick coupler.
- Supplied in steel storage case.
- Spread 530mm.
- Reach 580mm.
- See page 73 for kit contents.
- See page 76 for specifications.

SP 20301000



30 TONNE LOADSTAR "PLUS" SEPARATOR ADD-ON PACK

- Provides all additional components to add bearing capability to the entry level kit without any duplication of parts.
- Supplied in steel storage case.
- See page 73 for kit contents.
- See page 76 for specifications.

SP 20302000



30 TONNE LOADSTAR "PLUS" COMPREHENSIVE KIT

- 30T Hydraulic Cylinder and Pump.
- Contains full capability without any duplication of parts.
- 5 pulling combinations.
- Bearing separator capability.
- Internal pulling unit included.
- Supplied in 2 steel storage case.
- 3 x Cranked legs.
- 3 x Straight legs.
- 3 x Leg extensions.
- Spread 530mm.
- Reach 580mm.
- See below for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.

Hydraulic Loadstar

20305000



LOADSTAR "PLUS" 30 TONNE KIT CONTENTS

Part No.	Description	20305000	20300000	20301000	20302000
		Kit Qty	Kit Qty	Kit Qty	Kit Qty
20017000	Hydraulic Pump	1	1	-	-
20013000	30T Hydraulic Cylinder	1	1	1	-
20038400	30T Triple Beam incl Pins & Bolts	1	1	1	-
20028600	Puller Leg - Cranked	3	3	3	-
20028400	Puller Leg - Straight	3	3	3	-
20019200	Leg Extension incl. Pins & Nuts	3	3	3	-
20013100	Adjusting Screw	1	1	1	-
20013200	Handle	1	1	1	-
20013500	Rod End Cap	1	1	1	-
20048100	M10 x 1.5 x 75mm Long Bolt	2	2	2	-
09530000	Separator incl Adaptors	1	-	-	1
20058400	Twin Beam	1	-	-	1
20028900	Rod Assembly	2	-	-	2
20029000	Extension Rod	2	-	-	2
20059500	Internal Pulling Unit	1	-	-	-
30025000	Connector	2	-	-	2
20208300	Steel Storage Case	1	1	1	-
20208400	Steel Storage Case	1	-	-	1

LOADSTAR PULLERS

LOADSTAR "PLUS" PULLERS - 50 TONNE KITS

Hydraulic Loadstar

 20500000

50 TONNE LOADSTAR "PLUS" ENTRY LEVEL KIT

- 50T Hydraulic Cylinder and Pump.
- 4 pulling combinations.
- Supplied in steel storage case.
- 3 x Cranked legs.
- 3 x Straight legs.
- 3 x Leg extensions.
- Spread 530mm.
- Reach 470mm.
- See page 75 for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.



50 TONNE LOADSTAR "PLUS" ENTRY LEVEL KIT (MINUS PUMP)

- 50T Hydraulic Cylinder.
- Capability as above for those customers who already have a suitable hydraulic pump (10,000 psi) with standard 3/4" hydraulic quick coupler.
- Supplied in steel storage case.
- Spread 530mm.
- Reach 470mm.
- See page 75 for kit contents.
- See page 76 for specifications.

 20501000



50 TONNE LOADSTAR "PLUS" SEPARATOR ADD-ON PACK

- Provides all additional components to add bearing separator capability to the entry level kit without any duplication of parts.
- Supplied in steel storage case.
- See page 75 for kit contents.
- See page 76 for specifications.

 20502000



50 TONNE LOADSTAR "PLUS" COMPREHENSIVE KIT

- 50T Hydraulic Cylinder and Pump.
- Contains full capability without any duplication of parts.
- 5 pulling combinations.
- Bearing separator capability.
- Internal pulling unit included.
- Supplied in 2 steel storage cases.
- 3 x Cranked legs.
- 3 x Straight legs.
- 3 x Leg extensions.
- Spread 530mm.
- Reach 470mm.
- See below for kit contents.
- See page 76 for specifications and Hydraulic Pump Assembly spare parts.

Hydraulic Loadstar

20505000



LOADSTAR "PLUS" 50 TONNE KIT CONTENTS




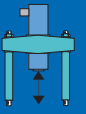

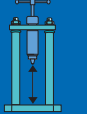
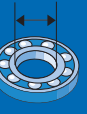
Part No.	Description	20505000	20500000	20501000	20502000
		Kit Qty	Kit Qty	Kit Qty	Kit Qty
20017000	Hydraulic Pump	1	1	-	-
20015000	50T Hydraulic Cylinder	1	1	1	-
20068200	50T Triple beam incl Pins, Nuts & Bolts	1	1	1	-
20028600	Puller Leg - Cranked	3	3	3	-
20028400	Puller Leg - Straight	3	3	3	-
20019200	Leg Extension incl. Pins & Nuts	3	3	3	-
20015100	Adjusting Screw	1	1	1	-
20015200	Handle	1	1	1	-
20015500	Adjusting Screw cap ADZ 60	1	1	1	-
09530000	Separators incl Adaptors	1	-	-	1
20068500	Twin Beam incl Bolts	1	-	-	1
20028900	Rod Assembly	2	-	-	2
20029000	Extension Rod	2	-	-	2
20059500	Internal Pulling Unit	1	-	-	-
30025000	Connector	2	-	-	2
20208300	Steel Storage Case	1	1	1	-
20208400	Steel Storage Case	1	-	-	1

LOADSTAR PULLERS


LOADSTAR "PLUS" PULLERS - SPECIFICATIONS

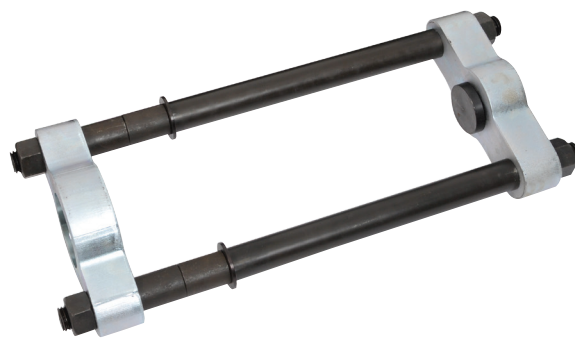
Hydraulic Loadstar

LOADSTAR "PLUS" SPECIFICATIONS

 Capacity Tonnes	 Part No.	Pulling		External		Internal	Stroke mm	Weight kg
								
		Spread mm	Reach mm	Spread Min - Max mm	Reach mm	Spread Min - Max mm		
20 Tonne	20200000	530	760	—	—	—	152	88
	20201000	530	760	—	—	—	152	83
	20202000	—	—	50 - 175	420	—	152	54
	20205000	530	760	50 - 175	420	75 - 225	152	195
30 Tonne	20300000	530	580	—	—	—	50	92
	20301000	530	580	—	—	—	50	86
	20302000	—	—	50 - 175	860	—	50	63
	20305000	530	580	50 - 175	860	75 - 225	50	160
50 Tonne	20500000	530	470	—	—	—	50	106
	20501000	530	470	—	—	—	50	100
	20502000	—	—	50 - 175	750	—	50	68
	20505000	530	470	50 - 175	750	75 - 225	50	180

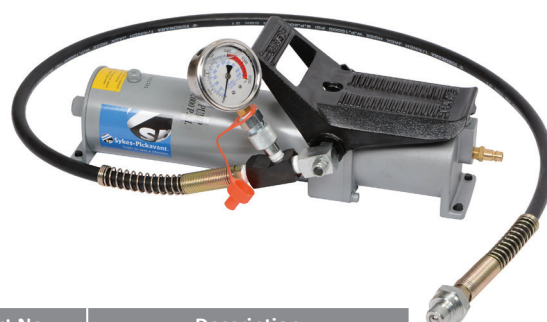
20039500 - Press Frame Specifications Included In Puller Kits Below

 Kit Part No.	Throat Depth	Throat Width	Extractor Pin Diameter	Extractor Pin Length	Stroke mm	Kit Weight kg
	Min - Max mm	mm	Min - Max mm	Min - Max mm		
20204000	365 - 460	165	18 - 50	75 - 150	152	47
21200000	365 - 460	165	18 - 50	75 - 150	152	71
21200100	365 - 460	165	18 - 50	75 - 150	152	65
20205000	365 - 460	165	18 - 50	75 - 150	152	195
212050V2	365 - 460	165	18 - 50	75 - 150	152	73



20017000 - Hand Operated Hydraulic Pump Spare Parts

20017500 - Air Powered Hydraulic Pump Spare Parts



Part No.	Description
21720000	High Pressure Hose - 1.8m long
21740000	Quick Coupling - complete
21740100	Quick Coupling - male
21790000	Gauge & Gauge Block

Part No.	Description
21720000	High Pressure Hose - 1.8m long
21740000	Quick Coupling - complete
21740100	Quick Coupling - male
21790000	Gauge & Gauge Block





TORQUE

TORQUE WRENCHES

TORQUE WRENCH RANGE

Sykes-Pickavant offer a comprehensive range of high quality torque wrenches to suit all requirements from 0.1Nm to 1500Nm.

Choose from three ranges of torque products:

- Torque Screwdrivers for General Workshop & TPMS applications.
- 'Motorq' Professional Torque Wrench Range.
- 'Motorq' Heavy Duty Torque Wrench Range.



**Sykes-Pickavant offer a Repair and Calibration Service on all torque wrenches:
Please contact Customer Services for further details.**

TORQUE SCREWDRIVERS

- Adjustable Torque Screwdriver with 1/4" sq drive.
- Precise tool ideal for critical torque settings.
- Supplied with 5mm hex key for torque adjustment.



'MOTORQ' PROFESSIONAL TORQUE WRENCH RANGE

The 'Motorq' Professional range of torque wrenches offer accuracy, comfort and ease of use.

- Accurate to +/-3% of reading which meets the requirements of ISO 6789-2:2017.
- Supplied with a traceable 'Calibration Certificate' allowing end-users to adhere to more stringent quality control processes.
- 60% larger scale for better visibility and improved accurate setting.
- Scale adjusts 40% faster and the effort required to adjust is reduced.
- Improved serviceability means longer life and reduced ownership costs.
- Superior, ergonomic handle and shape - Soft-feel, high grip material and more comfortable to use.
- Now includes a push/pull type lock for faster use; the coloured band on the lock clearly shows that the wrench is unlocked.



TIMESTRIP®



PROFESSIONAL SCALE



PUSH-THRU HEAD

Timestrip® Feature - Our Professional Torque Wrenches include the innovative Timestrip® which provides a visual indication of when the wrench is due for re-calibration in 3, 6, 9 and 12 month graduations. Torque wrenches should be calibrated once a year as a minimum, more frequently in harsh environments and with high levels of usage. The Timestrip® guarantees peace of mind with no more missed calibrations, ensuring that the torque wrench is performing optimally.

'MOTORQ' HEAVY DUTY TORQUE WRENCH RANGE

- For heavy-duty applications.
- 'Break Back' type action provides an unmistakable signal that can be seen and felt when the set torque is reached and reduces the possibility of over torquing.
- Robust construction.
- Accurate to +/-4% of reading which meets the requirement of ISO 6789:2003.
- 36 tooth ratchet head with push-thru square drive.
- Graduated scale on handle for easy adjustment.
- Supplied with Calibration Certificate, traceable to National Standards.
- Full after-sales service and calibration available.



TORQUE WRENCHES

TORQUE SCREWDRIVER 1/4" SQ DRIVE

- Scale graduated in 0.1Nm increments.
- Precise tool ideal for critical torque settings as found on TPMS Valve Cores and on low torque TPMS valve nuts and engine applications.



Scan the QR code to watch
a video of the Torque
Screwdriver in action

80080100

0.1 - 3 Nm



TORQUE SCREWDRIVER 1/4" SQ DRIVE

- Scale graduated in 0.5Nm increments.
- Includes 3/8" sq drive input for easier application of torque.
- Precise tool ideal for critical torque settings on most TPMS valve nuts.
- Also ideal for fitting of many other automotive components where precise torque is recommended: e.g. Sensors, Plastic Trim, Dashboard Components, Glow Plugs etc.

80080200

2 - 10 Nm



'MOTORQ' PROFESSIONAL TORQUE WRENCH RANGE

'MOTORQ 20' - 3/8" PUSH-THRU TORQUE WRENCH

- 3/8" push thru sq dr
- Length: 210mm
- Supplied in poly tube
- 4 - 20 Nm / 40 - 180lbs.in
- Weight: 0.36kg

80002000



4 - 20 Nm

'MOTORQ 50' - 3/8" PUSH-THRU TORQUE WRENCH

- 3/8" push thru sq dr
- Length: 335mm
- Supplied in blow moulded box
- 10 - 50 Nm / 7.5 - 37.5lbs.ft
- Weight: 0.7kg

80105000



10 - 50 Nm

'MOTORQ 100' - 1/2" PUSH-THRU TORQUE WRENCH

- 1/2" push thru sq dr
- Length: 387mm
- Supplied in blow moulded box
- 20 - 100 Nm / 15 - 75lbs.ft
- Weight: 0.94kg

80110000



20 - 100 Nm

'MOTORQ 200' - 1/2" PUSH-THRU TORQUE WRENCH

- 1/2" push thru sq dr
- Length: 470mm
- Supplied in blow moulded box
- 40 - 200 Nm / 30 - 150lbs.ft
- Weight: 1.07kg

80120000



40 - 200 Nm



'MOTORQ 300' - 1/2" PUSH-THRU TORQUE WRENCH

- 1/2" push thru sq dr
- Length: 593mm
- Supplied in blow moulded box
- 60 - 300 Nm / 50 - 220lbs.ft
- Weight: 1.42kg

 80130000

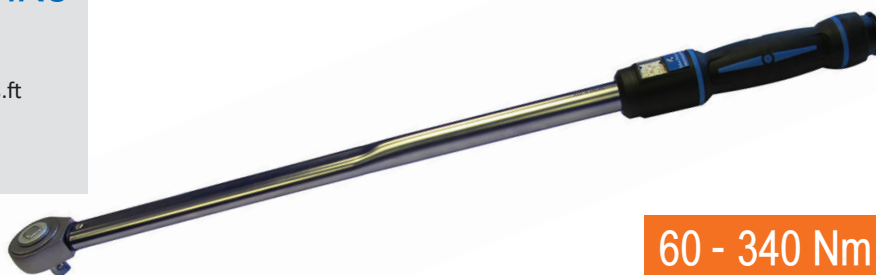


60 - 300 Nm

'MOTORQ 340' - 1/2" PUSH-THRU TORQUE WRENCH

- 1/2" push thru sq dr
- Length: 685mm
- Supplied in blow moulded box
- 60 - 340 Nm / 50 - 250lbs.ft
- Weight: 1.48kg

 80134000



60 - 340 Nm

'MOTORQ 340' - 3/4" STEPPED TORQUE WRENCH

- 3/4" sq dr (uses stepped convertor)
- Length: 686mm
- Supplied in blow moulded box
- 80 - 400 Nm / 60 - 300lbs.ft
- Weight: 1.93kg

 80140000



80 - 400 Nm

BLOW MOULDED BOX

- Motorq 50 - 340 (Professional Range) come in a sturdy blow moulded box for easy storage and transport whilst offering protection for the torque wrench contained.



INCLUDED WITH 'MOTORQ' PROFESSIONAL TORQUE WRENCHES

'MOTORQ 550' - STEPPED 3/4" TO 1" HEAVY DUTY TORQUE WRENCH

- 1" Sq. Dr (uses 3/4" to 1" stepped convertor)
- Length: 1475mm
- Weight: 10.40kg
- 700 - 1500 Nm / 500 - 1000lbs.ft

 80055000

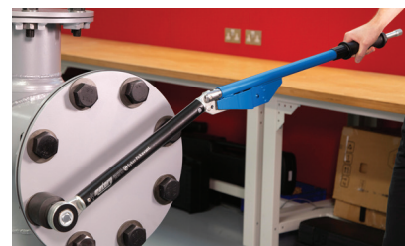


700 - 1500 Nm

'MOTORQ' HEAVY DUTY SPLIT TORQUE WRENCH RANGE

- Push-through ratchet allows two directional torquing.
- Robust construction gives accurate results to $\pm 4\%$ even in arduous working conditions. Tool is supplied with a Declaration of Conformance which meets the requirements of ISO 6789-1:2017.
- Unique profiled cam and reaction plate - gives much clearer torque signal and the large break angle greatly reduces the possibility of over torquing.
- Designed to be cost effectively serviced.
- New handle - more comfortable and guides operator's hand to correct position.
- Easy to read scale is shielded from dust, dirt and spray.
- Easy to set accurately - setting tool included.

MADE IN
THE UK



Split Torque Design - The new generation design can be split into two parts for easy and economic storage and shipping.



Supplied in blow moulded carrying case.

'MOTORQ' HEAVY DUTY SPLIT TORQUE WRENCH - 200 - 800 N.M

- 3/4" push thru sq dr
- Length: 1319mm
- Supplied in blow moulded box
- 200 - 800 Nm / 150 - 600 lbs.ft
- Weight: 7.3kg

80240000



200 - 800 Nm

'MOTORQ' HEAVY DUTY SPLIT TORQUE WRENCH - 300 - 1000 N.M

- 3/4" push thru sq dr
- Length: 1554mm
- Supplied in blow moulded box
- 300 - 1000 N.m / 200 - 750 lbf.ft
- Weight: 7.9kg

80250000



300 - 1000 Nm

'MOTORQ' HEAVY DUTY SPLIT TORQUE WRENCH - STEPPED 3/4" TO 1" - 300-1000NM

- 1" Sq. Dr (uses 3/4" to 1" stepped convertor)
- Length: 1554mm
- Supplied in blow moulded box
- 300 - 1000 N.m / 200 - 750 lbf.ft
- Weight: 7.9kg

80250500



300 - 1000 Nm

TORQUE WRENCHES

'MOTORQ' TORQUE WRENCHES - SPARE PARTS

Part No.	Description	80002000	80050200	80055000	80105000	80110000	80120000	80130000	80134000	80140000	80240000	80250000	80250500
80002170	Replacement Square Drive	•											
80011670	Push Thru Repair Kit				•								
80033170	Replacement Square Drive												
80033370	1/2 Ratchet Repair Kit (3 Pawl)					•							
80033470	1/2 Ratchet Repair Kit (3 Pawl)						•						
80033870	Push Thru Repair Kit (Quad Pawl)							•	•				
80039170	Push Thru Repair Kit									•			
80040870	Push Thru Repair Kit		•	•									
80040970	Replacement Square Drive		•								•	•	
80041070	3/4" to 1" sq dr adaptor			•									•

'MOTORQ' TORQUE WRENCH RANGE - COMPARISON TABLE

Part No.	Model	Sq Dr	Torque Nm	Torque lbs.in / lbs.ft	Length mm	Weight kg	Image
80002000	Motorq 20	3/8" push-thru	4 - 20	40 - 180 lbs.in	210	0.36	
80105000	Motorq 50	3/8" push-thru	10 - 50	7.5 - 37.5 lbs.ft	335	0.70	
80110000	Motorq 100	1/2" push-thru	20 - 100	15 - 75 lbs.ft	387	0.94	
80120000	Motorq 200	1/2" push-thru	40 - 200	30 - 150 lbs.ft	470	1.07	
80130000	Motorq 300	1/2" push-thru	60 - 300	50 - 220 lbs.ft	593	1.42	
80134000	Motorq 340	1/2" push-thru	60 - 340	50 - 250 lbs.ft	685	1.48	
80140000	Motorq 400	3/4" sq dr (uses stepped convertor)	80 - 400	60 - 300 lbs.ft	686	1.93	
80055000	Motorq 550	1" sq dr (uses 3/4" to 1" stepped convertor)	700 - 1500	500 - 1000 lbs.ft	1475	10.40	
80240000	Motorq 400	3/4" push-thru	200 - 800	150 - 600 lbs.ft	1319	7.30	
80250000	Motorq 500	3/4" push-thru	300 - 1000	200 - 750 lbf.ft	1554	7.90	
80250500	Motorq 500	1" sq dr (uses 3/4" to 1" stepped convertor)	300 - 1000	200 - 750 lbf.ft	1554	7.90	

Supplied with Calibration Certificate, traceable to National Standards

PROTRONIC® TORQUE WRENCH

High-precision electronic torque and angle wrench

- The ProTronic® is a high-precision electronic torque and angle wrench with a large backlit LCD display and comfortable high grip handle. Audible, visual and tactile signals alert the user when a pre-set torque or angle target is approached. Various features of the wrench can be configured to suit individual preferences and application requirements.
- Accuracy of $\pm 2\%$ when operating between 20% to 100% of tool capacity.
- Accuracy of $\pm 4\%$ when operating between 5% to 19% of tool capacity.
- Tough and dependable push-through square-drive ratchets. Narrow engagement angle allows work in tight spaces.
- Large LCD screen with bright back-light; numbers become larger and bolder during active torque for optimal viewing.
- Dual progressive LEDs positioned both sides of the wrench provide an easy visual representation of torque progress allowing the user to more easily anticipate torque target.
- Handle designed for a comfortable and secure grip.
- Battery cap has been designed to prevent accidental loosening.



PROTRONIC® 100

- 3/8" push thru sq dr. • 5 - 100 N.m / 3.75 - 75 lbf.ft.
- Length: 458mm. • Weight: 1.15kg.

 130517



5 - 100 Nm

PROTRONIC® 100

- 1/2" push thru sq dr. • 5 - 100 N.m / 3.75 - 75 lbf.ft.
- Length: 462mm. • Weight: 1.30kg.

 130518



5 - 100 Nm

PROTRONIC® 200

- 1/2" push thru sq dr. • 10 - 200 N.m / 7.5 - 150 lbf.ft.
- Length: 650mm. • Weight: 1.65kg.

 130519



10 - 200 Nm

PROTRONIC® 340

- 1/2" push thru sq dr. • 17 - 340 N.m / 12.75 - 255 lbf.ft.
- Length: 749mm. • Weight: 1.85kg.

 130520



17 - 340 Nm

PROTRONIC® PLUS TORQUE WRENCH

High-precision electronic torque and angle wrench with Bluetooth®

- The ProTronic® Plus retains all the features available in the ProTronic® standard versions with more advanced features included. Equipped with Bluetooth®, the ProTronic® Plus will work alongside a specially created app for more intuitive control when out in the field.
- ProTronic® Plus ratchets are detachable on models 100, 200 and 340 allowing for easy customisation of end fittings.
- Tough and dependable ratchets on all wrench models, reversible style on models 10, 30 and 800. Push-through ratchet on models 100, 200 and 340.
- Large LCD screen with bright backlight; numbers become larger and bolder during active torque for optimal viewing.
- Progressive LEDs provide an easy visual representation of torque progress allowing the user to more easily anticipate torque target.
- Handle designed for a comfortable and secure grip.
- Battery cap has been designed to prevent accidental loosening.
- ProTronic® Plus 9 (screwdriver) comes with L-shaped handle for easier torque application.
- Flush fitted buttons to avoid accidental activation during use.
- Compact design allowing for lower torque and access to more space limited applications.



Download App Here



PROTRONIC® PLUS 100

- 3/8" push thru sq dr.
- Length: 458mm.
- 5 - 100 N.m / 3.75 - 75 lbf.ft.
- Weight: 1.15kg.

130512



5 - 100 Nm

PROTRONIC® PLUS 100

- 1/2" push thru sq dr.
- Length: 462mm.
- 5 - 100 N.m / 3.75 - 75 lbf.ft.
- Weight: 1.30kg.

130513



5 - 100 Nm

PROTRONIC® PLUS 200

- 1/2" push thru sq dr.
- Length: 650mm.
- 10 - 200 N.m / 7.5 - 150 lbf.ft.
- Weight: 1.65kg.

130514



10 - 200 Nm

PROTRONIC® PLUS 340

- 1/2" push thru sq dr.
- Length: 749mm.
- 17 - 340 N.m / 12.75 - 255 lbf.ft.
- Weight: 1.85kg.

130515



17 - 340 Nm

PROTRONIC® PLUS 800

- 3/4" push thru sq dr.
- Length: 1264mm.
- 40 - 800 N.m / 30 - 600 lbf.ft.
- Weight: 4.95kg.

130516



40 - 800 Nm

TORQUE WRENCHES

PROTRONIC® TORQUE WRENCH RANGE - COMPARISON TABLE

Part No.	Model	Sq Dr	Torque Nm	Torque lbs.ft	Length mm	Weight kg	Image
130517	Protronic 100®	3/8" push-thru	5 - 100	3.75 - 75	458	1.15	
130518	Protronic 100®	1/2" push thru	5 - 100	3.75 - 75	462	1.30	
130519	Protronic 200®	1/2" push thru	10 - 200	7.5 - 150	650	1.65	
130520	Protronic 340®	1/2" push thru	17 - 340	12.75 - 255	749	1.85	
130512	ProTronic® Plus 100	3/8" push-thru	5 - 100	3.75 - 75	458	1.15	
130513	ProTronic® Plus 100	1/2" push thru	5 - 100	3.75 - 75	462	1.30	
130514	ProTronic® Plus 200	1/2" push thru	10 - 200	7.5 - 150	650	1.65	
130515	ProTronic® Plus 340	1/2" push thru	17 - 340	12.75 - 255	749	1.85	
130516	ProTronic® Plus 800	3/4" push thru	40 - 800	30 - 600	1264	4.95	

Our proven product development process means we are always introducing new items, so to keep up with these introductions please visit www.sykes-pickavant.com where you will also find information on spare parts, applications and instructions.



Downloads Links

[Home](#) [Our Products](#) [Spares](#) [About Us](#) [Media](#) [News & Events](#) [Contact](#)

Torque Wrench Range

Comprehensive range of Torque Wrenches from 10 - 1500Nm.

Accurate to +/-3% / -/+4% of reading, supplied with calibration certificates, traceable to national standards.

1 2 3 4 5 6 7 8 9 10 11 12 13

New B2B Portal

portal.sykes-pickavant.com

Our new B2B Portal is now live! To easily check stock of products and make purchases > [Click Here!](#)

> [Click here](#) for handy how to videos on using the portal

You can also visit our B2B trading portal where you can purchase our products 24/7 at <https://portal.sykes-pickavant.com/>.



TORQUE WRENCHES

SPEEDLINE® TORQUE WRENCH RANGE

The Speedline Torque utilises Speedline's proven mechanism and internal components and incorporates them into a purposeful and attractive torque wrench that will delight a wide range of users from professional mechanics to hobby enthusiasts.

- Accurate to $\pm 3\%$ of reading which meets and exceeds ISO6789:2003.
- Light and fast adjustment saves operator time and effort.
- N.m scale applying to the primary torque units for simple and error free setting.
- 'Push through' ratchets allow torque control in both the clockwise and anti-clockwise directions.
- Tough ratchets with narrow engagement angles allow for easy positioning of the tool in confined spaces. 5° for models up to 200 N.m and 6° for models 300 N.m and above.
- Pull/push lock is fast and intuitive to use and prevents accidental adjustment of the set torque.
- Convenient hanger feature for tool storage also aids wrench unlocking and adjustment.



Part No.	Model	Sq Dr	Torque Nm	Torque lbs.ft	Length mm	Weight kg
SPEEDLINE60	Speedline 60	3/8" push-thru & 1/2" sq. dr. adaptor	12 - 60	10 - 45	328	0.7
SPEEDLINE100	Speedline 100	1/2" push-thru & 3/8" sq. dr. adaptor	20 - 100	15 - 75	375	0.8
SPEEDLINE200	Speedline 200	1/2" push-thru	40 - 200	30 - 150	459	1.0
SPEEDLINE300	Speedline 300	1/2" push-thru	60 - 300	45 - 220	588	1.4
SPEEDLINE340	Speedline 340	1/2" push-thru	60 - 340	50 - 250	679	1.55



SPEEDLINE60

12 - 60 Nm



SPEEDLINE100

20 - 100 Nm



SPEEDLINE200

40 - 200 Nm



SPEEDLINE300

60 - 300 Nm



SPEEDLINE340

60 - 340 Nm



EVOTORQUE® BATTERY TOOL RANGE

- The EvoTorque® Battery Tool (EBT) is a fast, reliable and accurate battery torque tool which features a brushless motor, data memory and data transfer capabilities.
- Test and record the torque on every bolt.
- Keep full electronic records for your fleet.

Kit Contents:

- EBT Battery Tool and reaction.
- Operator's Manual.
- USB with EvoLog software and operator's manual translations.
- Quick Reference guide.
- Secondary Handle.
- Drive Square (spare).
- 4 mm Allen key.
- 2 m USB cable.
- USB Bluetooth Smart Adaptor.
- Battery Charger, three-bay.
- Battery Charger Instruction Manual.
- Battery x 2.
- Battery Instruction Manual.



DON'T LEAVE TORQUING TO CHANCE

EBT-72 SERIES

180455

Single Speed

- 1" square drive.
- Output Speed: 6.5 rpm.
- w374 x h302 x d90mm.
- 200 - 1350 N.m / 150 - 1000 lbf.ft.
- Tool Weight: 5.7kg.
- Reaction Weight: 1.4kg.

180469

Double Speed

- 1" square drive.
- Output Speed: 32 rpm.
- w393 x h302 x d90mm.
- 200 - 1350 N.m / 150 - 1000 lbf.ft.
- Tool Weight: 6.2kg.
- Reaction Weight: 1.4kg.



200 - 1350 Nm

EBT-80 SERIES

180541

Single Speed

- 1" square drive.
- Output Speed: 3.3 rpm.
- w374 x h302 x d90mm.
- 400 - 2700 N.m / 295 - 2000 lbf.ft.
- Tool Weight: 5.9kg.
- Reaction Weight: 1.4kg.

180565

Double Speed

- 1" square drive.
- Output Speed: 13 rpm.
- w409 x h302 x d90mm.
- 400 - 2700 N.m / 295 - 2000 lbf.ft.
- Tool Weight: 6.5kg.
- Reaction Weight: 1.4kg.



400 - 2700 Nm

EBT-92 SERIES

180637

Single Speed

- 1" square drive.
- Output Speed: 2.3 rpm.
- w422 x h302 x d90mm.
- 800 - 4000 N.m / 590 - 2950 lbf.ft.
- Tool Weight: 7.9kg.
- Reaction Weight: 2.5kg.

180661

Double Speed

- 1" square drive.
- Output Speed: 9.5 rpm.
- w457 x h302 x d90mm.
- 400 - 2700 N.m / 295 - 2000 lbf.ft.
- Tool Weight: 8.5kg.
- Reaction Weight: 2.5kg.



800 - 4000 Nm

*Tool weight excludes reaction and battery. Battery weight is 0.8 kg

TORQUE WRENCHES

TORQUE MULTIPLIERS

HANDTORQUE® TORQUE MULTIPLIER

Compact and versatile Torque Multiplier that fits in the palm of your hand.

- At just 1.6kg (without reaction bar), the product is easy to handle and support.
- Robust construction for minimal maintenance and long life.
- Tough silver metallic powder coating - ideal for use in demanding work environments.
- ±4% torque multiplication accuracy.
- Supplied with 2 reaction bar styles - cranked and straight.
- Quick change cranked reaction with improved flexibility allowing reaction in 8 orientations.
- Outer diameter of 65mm, for use in space restricted applications.

80063100

Cranked Reaction



COMPACT DESIGN

Straight Reaction



Specifications

Nominal Ratio	5:1*	
Input Square	1/2"	
Output Square	3/4"	
Max. Torque Output	N.m	1,000
	lbf.ft	738
Max. Torque Input (N.m)	200	
Tool Weight (kg)	1.6	
Reaction Weight (kg)	Cranked	0.5
	Straight	0.7
Packed Weight (kg)	3.1	

*5:1 nominal torque multiplication reaction dependent.

Ratio with cranked reaction: 4.8:1 ratio with straight reaction: 4.9:1

'MOTORQ' HEAVY DUTY TORQUE MULTIPLIERS

- Single stage epicyclic gears, producing a 5 : 1 multiplication ratio.
- Use with conventional torque wrenches for heavy duty applications.
- Supplied with reaction bars, in plastic storage case.
- After-sales service available.

Spare Parts

Part No.	Description
80060270	¾ square drive (Post 1994)
80060370	¾ square drive (Pre 1994)
80060400	Reaction Foot

Specifications

Part No.	80060000	80065500
Ratio	5:1	5:1
Input Dr.	1/2" sq dr / 32mm hex	3/4" sq dr / 36mm hex
Max. Input	260Nm	540Nm
Output Drive	3/4"	1"
Max. Output	1300Nm	2700Nm
Weight (kg)	4.3	4.5

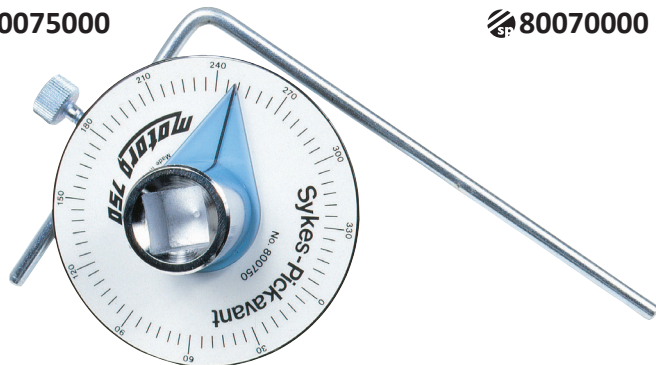
80060000



'MOTORQ' ANGULAR TORQUE GAUGE

- For turning torqued fasteners through a further angle, as per vehicle manufacturers' specifications.
- Oil resistant, non-reflective surface and adjustable reaction arm.
- Supplied with both male and female square drives.

80075000



80070000



Part No.	Sq. Dr.
80070000	1/2"
80075000	3/4"

UNIVERSAL DIGITAL TORQUE ANGLE GAUGE

- New and unique SP torque angle gauge.
- For turning torqued fasteners through a further angle, as per vehicle manufacturers' specifications.
- Simple to use: Calibrate, set angle, mount and use.
- Fits onto most ratchets, torque wrenches and power bars.
- Magnetic attachment.
- One single tool can be used on 1/4", 3/8", 1/2", 3/4" drives.
- Indicates increasing angle on LCD display.
- Works in both directions of rotation.
- LED's glow yellow when close to setting and change to green when desired setting is reached.
- Audible notice when setting reached.
- LED's glow red when setting exceeded.



Scan the QR code to watch a video of the Digital Torque Angle Gauge

80093500



TRUCHECK™ 2

- Allows torque tool performance to be monitored and tools kept in peak condition.
- Supplied with traceable calibration certificate.
- Limited settable options. Ideal for non-expert users with click type torque wrenches.
- Inbuilt Micro USB 2.0 port enables power from any USB power source.
- Accuracy: $\pm 1\%$ torque reading accuracy ($\pm 2\%$ when below 10% of range for the 1,100 N·m TruCheck™ 2 model).
- Display: LCD Display.
- Temp Range - Operating: 0°C to +50°C.
- Temp Range - Storage: -20°C to +70°C.
- Power Consumption: 0.5W.
- Environment: IP 40.
- Electromagnetic Compatibility (EMC) Directive: Designed to comply with EN 61326-1.
- UKAS accredited calibration is optional.

43524

43525

43530

43531



Part No.	Operates Between	Drive Size
43524	10 - 350 Nm	1/2" female
43525	10 - 350 Nm	1/2" female
43530	50 - 1100 Nm	27 mm male hex
43531	50 - 1100 Nm	27 mm male hex

TPMS COMPREHENSIVE TORQUE TOOL KIT

- Set of tools for the correct application of critical torque settings when working with TPMS systems on modern vehicles.
- Contains all the appropriate tools for servicing and replacing TPMS.
- Valve Cores and TPMS Valve Nuts.
- Supplied in foam - Ideal for tool box drawer.

80082000



Contents

Spare Parts Part No.	Qty	Description
80080100	1	Torque Screwdriver 0.1 - 3.0Nm
80080200	1	Torque Screwdriver 2.0 - 10.0Nm
69900270	1	3/8" sq dr T-Bar Handle (For 80080200)
69900970	1	1/4" Valve Core Tool
69901070	1	1/4" Torx Bit T10
69901570	1	1/4" Deep Socket 11mm
69901670	1	1/4" Deep Socket 12mm
69901370	1	TPMS Grommet Tool

Torque Screwdrivers:

- 0.1 - 3.0 Nm torque screwdriver for valve cores.
- 2.0 - 10.0 Nm torque screwdriver for valve tightening.

Steel Grommet Tool

- For maximum reuse of existing grommets, preventing breakage.

T-Bar Handle

- For use with 80080200 for high Nm settings to avoid breaking off the sensor stem.

TPMS COMPREHENSIVE PLUS TORQUE TOOL KIT

80083000

- Set of tools for the correct application of critical torque settings when working with TPMS systems on modern vehicles.
- Contains all the appropriate tools for servicing and replacing TPMS Valve Cores and TPMS Valve Nuts.
- Supplied in foam - Ideal for tool box drawer.

Contents

Spare Parts Part No.	Qty	Description
80080100	1	Torque Screwdriver 0.1 - 3.0Nm
80080200	1	Torque Screwdriver 2.0 - 10.0Nm
69900270	1	3/8" sq dr T-Bar Handle (For 80080200)
69900970	1	1/4" Valve Core Tool
69901070	1	1/4" Torx Bit T10
69902070	1	1/4" Torx Bit T20
69901570	1	1/4" Deep Socket 11mm
69901670	1	1/4" Deep Socket 12mm
69901370	1	TPMS Grommet Tool
69902570	1	One Way Ratchet
66060870	1	T-Handle Allen Key



Torque Screwdrivers:

- 0.1 - 3.0 Nm torque screwdriver for valve cores.
- 2.0 - 10.0 Nm torque screwdriver for valve tightening.

Steel Grommet Tool

- For maximum reuse of existing grommets, preventing breakage.

T-Bar Handle

- For use with 80080200 for high Nm settings to avoid breaking off the sensor stem.

One Way Ratchet

- For removal of the TPMS sensor.

T-Handle Allen Key

- For accurately setting the torque.



INDUSTRIAL TOOLS & EQUIPMENT



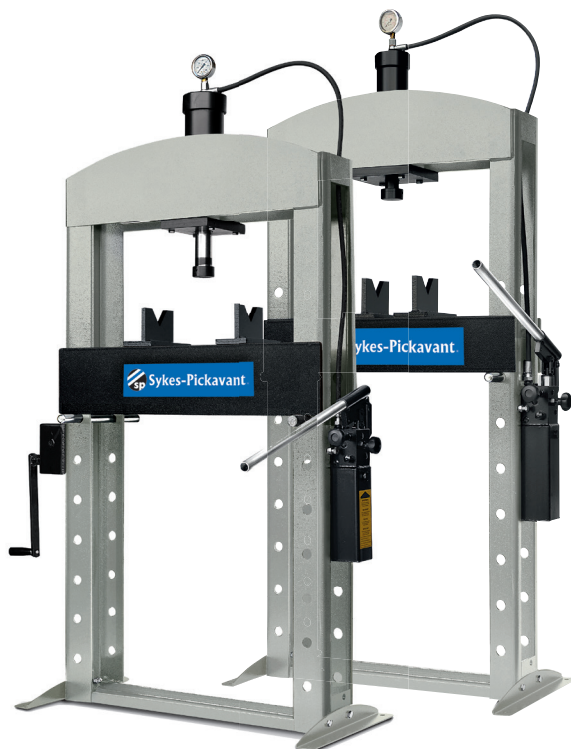


INDUSTRIAL EQUIPMENT

WORKSHOP PRESSES

'SILVER SERIES' HYDRAULIC WORKSHOP PRESSES

AVAILABLE IN 4 RATINGS: 15T, 20T, 30T & 50T



Part no.	Rating	Height (mm)	Width (mm)	Depth (mm)	Bed Depth (mm)	Range	Weight (kg)
53436000	15T	1930	920	650	170	85 - 950	150
53436200	20T	2030	940	650	180	65 - 1030	165
53436400	30T	2060	1120	650	200	115 - 1020	230
53436500	50T	2290	1220	650	210	70 - 1065	370

Range of Hydraulic Workshop Presses equipped with a two-speed manual pump, overload safety valve, automatic arm return system & V blocks.

- Heavy duty steel frame.
- Automatic arm return.
- Manufactured in the EU.
- Two speed pump.
- Pressure gauge.
- Fully adjustable horizontal ram movement.
- Piston over-travel limit stop.
- Overload safety valve.
- V blocks.
- Winch for table*.

Optional Pedal Kit 534362-16 also available for 53436000, 53436200 & 53436400

*For models 53436400 & 53436500

N.B. For deliveries made outside UK Mainland, an additional carriage charge will apply. Contact Customer Services or visit www.sykes-pickavant.com for details

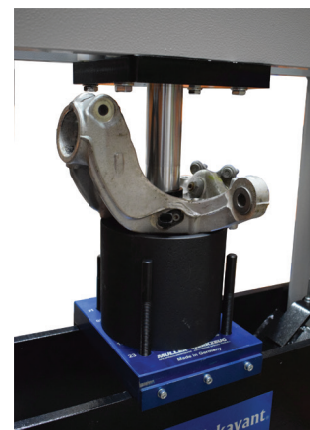
UNIVERSAL PRESS RING

A quick solution to assist the bearing to be pressed out on a wide range of common hubs.

- Ideal large void for holding hubs and pressing out wheel bearings.
- Large diameter sits across the press allowing for large hubs to be placed on the press ring.
- Useful alternative to V blocks and old bearing casings.
- Suitable for use on 30 or 50 tonne rated presses.
- Dimensions: 160mm (h) x 179mm (Ø).
- Weight: 7.8kg.
- For use with 08770000 Press Block (below).



53452200



PRESS SUPPORT BLOCK

Universal Press Support Block.

- Press bearings on a variety of suspension arms.
- Three point contact for perfect, safe support.
- Adjustable height anvil bolts.
- Swivel element for added versatility.
- Numbered system for recording specific applications.
- Suitable for use with presses up to 30T.



08770000



WORKSHOP PRESSES

HEAVY-DUTY WORKSHOP PRESSES

Range of heavy-duty presses rated from 60 - 100 tonne featuring:

- Fast and safe adjustment of the press table height.
- Moveable cylinder.
- Hard chrome piston with 300mm of stroke.



60 - 100 TONNE

HAND / FOOT OPERATED WORKSHOP PRESSES

- Air assisted dual operation via foot pump or pump handle
- Air connection fitted with water separator.
- Fast and safe adjustment of the press table height, using a braked winch.
- Wide insertion width.
- 300mm stroke.
- Two V-blocks.
- Fast air return.
- Hard Chrome Piston.
- Pressure gauge.
- Movable cylinder.



Part no.	Rating	Working Area H x W (mm)
53416000	60T	760 x 1005
53417000	70T	760 x 1005
53411000	100T	915 x 1035

ELECTRO-HYDRAULIC WORKSHOP PRESSES

- 90° hinged pump unit enables easier insertion of longer work-pieces.
- Multi-adjustable pressure valve.
- Fast and safe adjustment of the press table height, using a braked winch.
- Wide insertion width.
- 300mm stroke.
- Pressure gauge.
- Two V-blocks.
- Hard Chrome Piston.
- Movable cylinder.



Single Acting Cylinder:
One-way pressing action for where heavy tooling is not to be mounted on the piston.

Double Acting Cylinder:
Featuring both pressing and pulling facilities, flange supplied for fitting of tooling.

90° hinged pump unit



Part no.	Rating	Working Area H x W (mm)	Acting Cylinder
53426000	60T	760 x 1005	Single
53426600	70T	760 x 1005	Double
53421000	100T	915 x 1035	Double

HYDRAULIC WORKBENCH PRESSES

Hydraulic workbench press with movable piston.

- Double-speed hand pump.
- Overload safety-valve.
- Automatic return of the ram.
- Chromium plated rod.
- Pressure gauge.
- V-blocks.

Part no.	Rating
53410000	10T
53420000	15T

53410000



53420000

PNEUMATIC OIL EXTRACTORS

80L PNEUMATIC OIL EXTRACTOR

- Pneumatic Oil Extractor for fast recovery of engine oil from any vehicle.
- Extraction takes place from the engine sump with oil at 66° C.
- Includes six probes for extraction.
- Visual indicator of oil for ease of use.
- Includes pressure safety valve set at 7.2 psi.

Features:

- Carbon steel reservoir.
- Epoxy coated finish.
- Pneumatic emptying.
- Drain plug for cleaning and internal inspection.
- Drain bowl with drain filter grid.
- Three adaptors for models with integrated suction tubes for Mercedes, BMW & Volkswagen.



Technical Specifications	
Width	540mm
Depth	620mm
Height	1250mm
Bowl Height	580mm



53380000

80L PNEUMATIC OIL EXTRACTOR WITH 10L PLASTIC VIEWER

- Pneumatic Oil Extractor for fast recovery of engine oil from any vehicle.
- 10l plastic viewer.
- Extraction takes place from the engine sump with oil at 66° C.
- Includes six probes for extraction.
- Visual indicator of oil for ease of use.
- Includes pressure safety valve set at 7.2 psi.

Features:

- Carbon steel reservoir.
- Epoxy coated finish.
- Pneumatic emptying.
- Metal drain bowl with drain filter grid.

Stop Ring (B) stops the pipe travelling too far into the tank and Holder (A) locks the bowl in position - stopping the bowl from falling onto the viewer.

Technical Specifications	
Width	540mm
Depth	620mm
Height	1350mm
Bowl Height	580mm



53380500



120L PNEUMATIC OIL EXTRACTOR WITH UNDER-VEHICLE TRAY

- Pneumatic Oil Extractor for fast recovery of engine oil from any vehicles.
- Simple to use, the equipment is provided with a pressure relief valve set at 4 bar.
- Manufactured in compliance with EC rules.
- Carbon Steel Reservoir.
- Epoxy Coated Finish.
- Pneumatic Extraction .
- Drain plug for cleaning and internal inspection.
- Metal drip tray with drain filter grid.
- 51L tray.
- 1/4" Air Inlet Connection.
- 200l/min Air Consumption.
- <80 (dB) Noise Level.
- 83kg Weight
- 4 Bar Reservoir Operating Pressure.



Technical Specifications	
Width	660mm
Depth	780mm
Height	1520mm
Extended Depth	2920mm

53380400



35KG MANUAL WHEEL LIFTER

- Operated using battery powered or pneumatic screwdriver with 1/2" square socket.
- Four heavy duty swivel wheels for excellent maneuverability.
- Low centre of gravity and lightweight column for ease of handling and stability against tipping.
- Special handle shape provides a convenient point of grip and minimum interference during the mounting/ dismounting operation of the tyres.
- Lowering of the base bracket allows for easy wheel loading.
- Offset position allowing for ease of positioning of the wheel onto the vehicle.



34195500

Technical Specifications

Max. Capacity	35kg
Run	950mm
Max. Wheel Hub Height	1200mm
Packing Height	1450mm
Base Width	840mm
Base Depth	770mm
Max. Screwdriver Speed	2000rpm
Working Temperature	-5°C; +45°C



60KG BATTERY POWERED WHEEL LIFTER

- Push button on handle for easy one handed operation.
- Powered by two 12 V 12 Ah batteries with LED charge indicators.
- Four swivel wheels for easy movement of the trolley and low centre of gravity for stability against tipping.
- Special handle shape provides a convenient point of grip and minimum interference during the mounting / dismounting operation of the tyres.
- Offset position allowing for ease of positioning of the wheel onto the vehicle.



34196000

Technical Specifications

Max. Capacity	60kg
Run	1100mm
Max. Wheel Hub Height	1400mm
Packing Height	1710mm
Base Width	755mm
Base Depth	730mm
Travel Speed	0.10 - 0.14 m/s
Battery Type	12v - 12Ah



100KG BATTERY POWERED WHEEL LIFTER

- Push button on handle for easy one handed operation.
- Powered by two 12 V 12 Ah batteries with LED charge indicators.
- Four swivel wheels for easy movement of the trolley and low centre of gravity for stability against tipping.
- Special handle shape provides a convenient point of grip and minimum interference during the mounting / dismounting operation of the tyres.
- Offset position allowing for ease of positioning of the wheel onto the vehicle.



34196500

Technical Specifications

Max. Capacity	100kg
Run	1290mm
Max. Wheel Hub Height	1790mm
Packing Height	1825mm
Base Width	980mm
Base Depth	850mm
Travel Speed	120 m/s
Battery Type	12v - 12Ah



ADJUSTABLE PIT BRIDGES

ADJUSTABLE PIT BRIDGES

- Adjustable width to suit nearly all pit distances.
- Non-slip grating.

Specifications:

- Adjustable Width - 870 - 1150mm.
- Loading Capacity - 400kg.
- Weight - 45kg (less handrails).



RAIL TYPE PIT BRIDGE

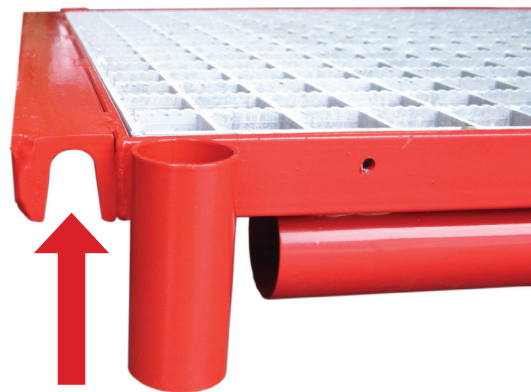
- Safety pit bridge suitable for pits with rail guides.

 **51060500**

With Handrail

 **51060000**

Without Handrail



FLAT TYPE PIT BRIDGE

- Safety pit bridge suitable for pits without track.

 **51050500**

With Handrail

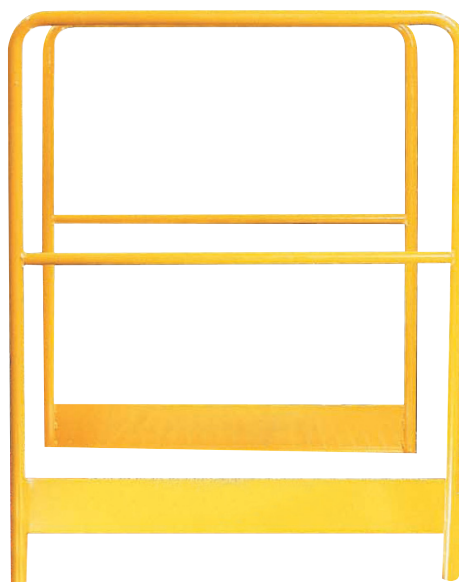
 **51050000**

Without Handrail



SET OF HANDRAILS

- When purchased separately.



 **51050100**

2PC

10 TONNE AIR HYDRAULIC TROLLEY JACK

- Air jack handles like a telescopic jack and offers the same stroke as 3 telescopic jacks combined.
- Air hydraulic jack with silent air pump (less than 70 dB).
- Rubber coated, ergonomically designed handle for operator comfort.
- Safety lowering control valve for safe lowering even under maximum load.
- Silent wheels and easy manoeuvring.
- 150 – 580mm lifting + 70mm extension.
- Long reach chassis improves access to lifting points deep under vehicles.

53438000



NEW



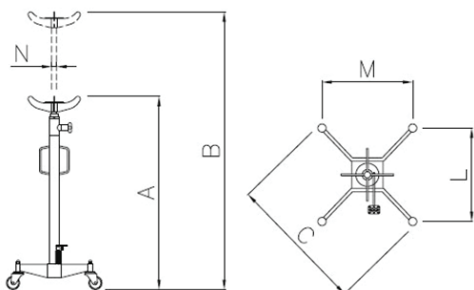
70MM EXTENSION



TRANSMISSION JACKS

Features include:

- Pedal pump.
- Chrome plated extension rod.
- "Dead man" controls.



DIMENSIONS

Part no.	Maximum Weight	Maximum Height (B)	A	C	L	M	N
38400000	300kg	1970mm	1120mm	700mm	450mm	450mm	25mm
38500000	500kg	1990mm	1140mm	900mm	550mm	600mm	30mm
38600000	1000kg	1990mm	1140mm	900mm	550mm	650mm	35mm



GEARBOX CRADLE

- Adjustable cradle for gearboxes up to 500kg.
- Compatible with 38400000 & 38500000 Transmission Jacks.
- Twin adjustable screws allow for various gearbox orientations.
- Four adjustable side plates to fit and support gearboxes.
- Includes two collars to fit popular transmission jacks.

38450000



SUSPENSION WORKSTATIONS

HEAVY DUTY PNEUMATIC COIL SPRING COMPRESSOR WORKSTATION

Universal piece of equipment for assembling and disassembling struts and coil springs on cars, 4WDs and LCVs.

- Safety switch prevents operation when gates are open.
- Adjustable strut vice with 4 x setting options.
- Interchangeable jaws / vice to suit different springs.
- Unique double depth front plate.
- Length of travel: 330mm.
- Up to 2452kg of force (at 10 bar).
- Top arms & jaws adjust and lock to secure spring.
- Automatic jaw levelling.
- 4 x floor mounting holes.
- Includes 2 x standard brackets: 78-130mm and 105-182mm.
- Includes free 38780100 - Adaptor Bracket Set, suitable for Mercedes A, B, C & E Class (W203) up to 2007c.



385800SP

FREE ADAPTOR BRACKET SET

38780100



Scan the QR code to view the full range of Brackets & Accessories

2452KG COMPRESSION RATING

SUPER HEAVY DUTY PNEUMATIC COIL SPRING COMPRESSOR WORKSTATION

Universal piece of equipment for assembling and disassembling the strongest struts and coil springs on cars, 4WD's & LCV's.

- Bracket supporting plate with triple positioning to increase the range of coil spring compression.
- Includes 2 x standard brackets: 78-130 mm and 105-182 mm.
- Interlock protection systems on pneumatic cylinder, foot-pedal and safety guard for total safety while working.
- Air Pressure: Max. 10 bar / Cylinder Stroke: 380 mm.
- Includes adjustable top mirror for improved view of the centering of the shock absorber cap during assembling operation.
- Features 100 mm greater range of movement than regular SP workstations.
- Movement range from 250 mm to 630 mm for the safest control.
- Extra long safety guards.

Technical data:

- Working pressure: max. 10 bar.
- Cylinder stroke: 380mm .
- CE approved machine in compliance with 2006/42/CE (Machine Directive).



38780000



Scan the QR code to view the full range of Brackets & Accessories

UPPER BRACKET

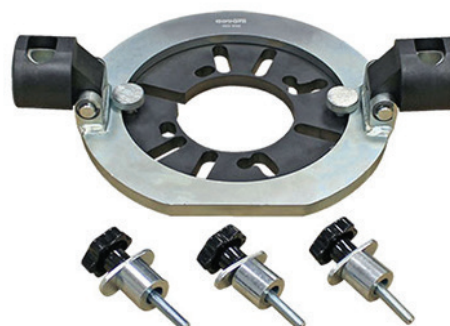
The new Upper Bracket is able to adapt to a vast number of applications since it is equipped with a rotating and universal plate with fixing holes and slots.

The design is ideal for;

- Springs with a small number of coils; meaning that one more coil can always be tensioned automatically & simplifying dismantling and assembly operations.
- The rotatable and fixable mounting plate is provided with a universal hole division. In addition, the holder between the arms can easily be tilted.
- Suitable for use with Sykes-Pickavant Coil Spring Compressors.
- See website for applications.

G0338

NEW



RETRACTABLE HOSE REELS

INDUSTRIAL HOSE REEL FOR AIR/WATER

- Industrial Hose Reel; enclosed series for water and air.
- Polypropylene casing.
- Adjustable wall mounted design.
- Safety hose stop.
- Hose roller guide.
- Automatically retractable hose.
- Automatic hose locking device.
- Suitable for compressed air or cold water up to 20 bar working pressure.

Part no.	Size	Connection
53359500	15m x 8mm	1/4"
53359600	15m x 10mm	3/8"



53359600

INDUSTRIAL HOSE REEL FOR AIR

- Industrial Hose Reel; enclosed series for air.
- ABS plastic casing.
- Adjustable wall mounted design.
- Safety hose stop.
- Hose roller guide.
- Automatically retractable hose.
- Automatic hose locking device .
- Suitable for compressed air up to 20 bar working pressure.

Part no.	Size	Connection
53359700	15m x 10mm	3/8"
53359800	10m x 12mm	1/2"



53359700

HEAVY-DUTY HOSE REEL FOR AIR/WATER

- Spring driven retractable hose reel c/w wall mounting brackets.
- Polypropylene case.
- Suitable for compressed air or cold water up to 17 bar working pressure.
- Heavy duty rubber air / water hose to ISO EN 2398 standard.

Part no.	Size	Connection
53399000	20m x 10mm	3/8"
53399100	18m x 12mm	1/2"



53399000

HEAVY-DUTY HOSE REEL FOR AIR

- Compact design.
- PVC hose.
- 180 degree pivoting wall bracket.
- Polypropylene case.
- Brass swivel assembly.
- 53399600 - Suitable for compressed air up to 10 bar working pressure.
- 53399700 - Suitable for compressed air up to 20 bar working pressure.

Part no.	Size	Connection
53399600	9m x 8mm	1/4"
53399700	15m x 10mm	1/4"



53399600

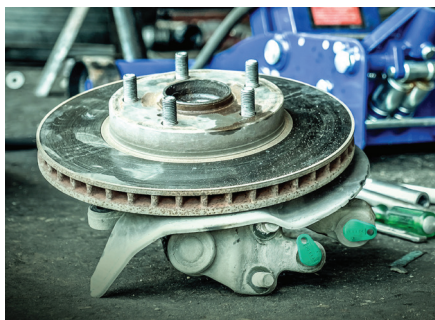
FLOWSTOP - UNIVERSAL FLOW STOP KIT

FlowStop Universal Flow Stop Kit is a reusable system to keep fluids in and dirt & dust out of maintenance systems; maintaining a clean and safe workshop environment

- The rubber material is silicone free and highly resistant to many chemicals, acids and other aggressive fluids.
- Dimensions: 1-22mm.
- Temperature Range: -25°C to +90°C.
- Suitable for non-pressurised systems only.

Ideal for use on;

- Hydraulic hoses.
- Liquid lines.
- Cooling systems.



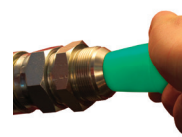
NO TOOLS REQUIRED



Insert



Push



Twist

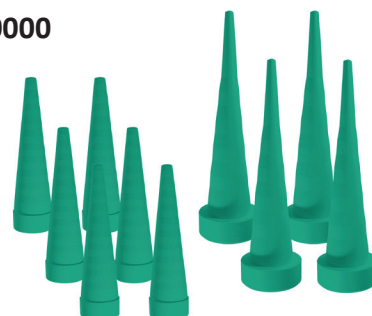
STANDARD KIT

Includes:

- 6 x Micro plugs - 1 - 10mm
- 4 x Standard plugs - 5 - 22mm



 70200000



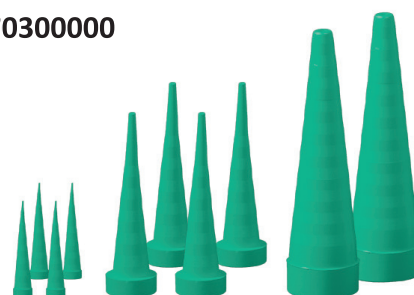
HEAVY DUTY KIT

Includes:

- 4 x Micro plugs - 1 - 10mm
- 4 x Standard plugs - 5 - 22mm
- 2 x XL Plugs - 13 - 42mm



 70300000



XL INDIVIDUAL FLOWSTOPS

- 70400000 - 35-80mm
- 70500000 - 60 - 130mm



 70400000

 70500000

Standard 330ml can shown for scale purposes.

UNBREAKABLE VICES

UNBREAKABLE VICE - FIXED BASE

- High quality, heavy duty construction provides years of trouble free use.
- CNC machined components for excellent fit and durability.
- Hardened and tempered finely ground jaws for superior grip.
- Scratch resistant hammered blue finish.
- Replacement parts available including jaws and handle.
- Guaranteed unbreakable - *excluding jaws and handle.

Part no.	Size (Inch)	Jaw Width (mm)	Jaw Opening (mm)	Throat Depth (mm)
53320400	4"	102	132	74
53320600	6"	153	206	95
53320800	8"	203	225	105

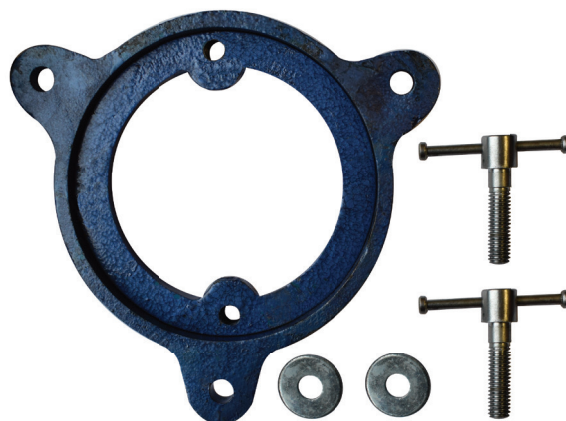


 53320400

SWIVEL BASE FOR MECHANICS VICE

- Allows 360° rotation of Mechanics Vice for better access.
- Lockable to most convenient angle.

Part no.	Compatible Vice
533204-B	53320400
533206-B	53320600
533208-B	53320800

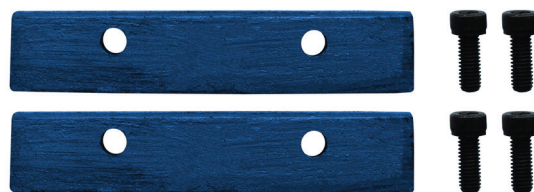


 533204-B

REPLACEMENT JAWS FOR MECHANICS VICE

- Replacement jaws for Mechanics Vices as supplied.

Part no.	Compatible Vice
533204-01	53320400
533206-01	53320600
533208-01	53320800



 533204-01

OPTIONAL SOFT JAWS FOR MECHANICS VICE

- Optional Soft Jaws for Mechanics Vices for added protection of delicate workpieces.

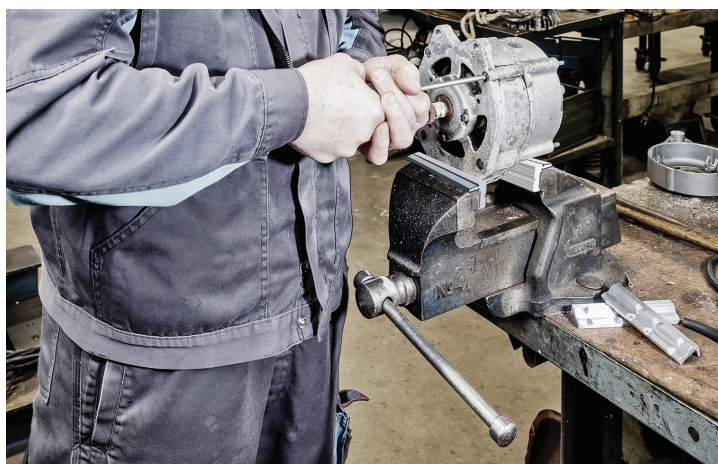
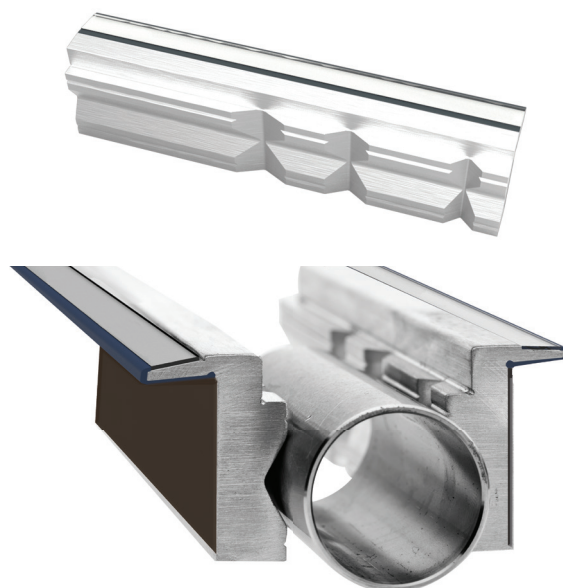
Part no.	Compatible Vice
533204-02	53320400
533206-02	53320600
533208-02	53320800



 533204-02

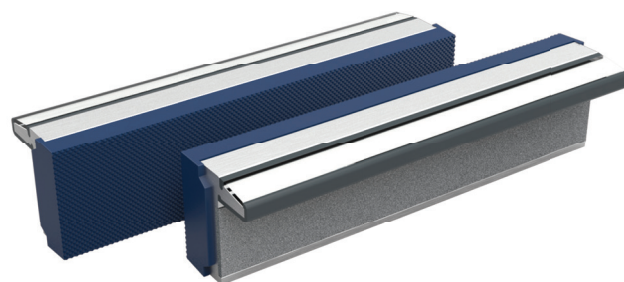
MAGNETIC VICE JAWS

- Universal jaws for use with any vice with the corresponding jaw size.
- Equipped with an extremely powerful magnetic strip which easily attaches the jaw to the vice and ensures a rapid setup.
- The magnetic strip is only magnetic against the vice jaws and will not attract debris or fillings to the clamping surface nor magnetize the clamped parts.
- Features an extremely powerful neodymium magnetic strip. Holding force for a 100mm jaw is 3.5kg equivalent to 34N, for instance.
- These Magnetic Jaws can also be used in combination with one another. For instance, for taper pins or thin walled tubes use the Neutral or Prism / Vee Pipe together with the Rubber option. For irregularly profiled parts with one flat surface use the Fibre covered on the flat surface and the rubber covered on the profiled side.



POLYURETHANE CROSS SERRATED

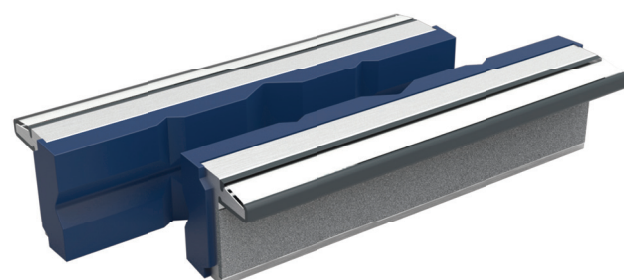
- Polyurethane with small cross serrations for a firm grip with a shore hardness of A82. "Bites onto" the work piece without damaging or scratching it and is so flexible, that it returns to its original shape after deformation.



Part no.	Size	Compatible Vice
53341000	100mm	53320400
53341500	150mm	53320600

POLYURETHANE GROOVED

- Polyurethane with grooves with a shore hardness of A82. "Bites onto" the work piece without damaging or scratching it and is so flexible, that it returns to its original shape after deformation.

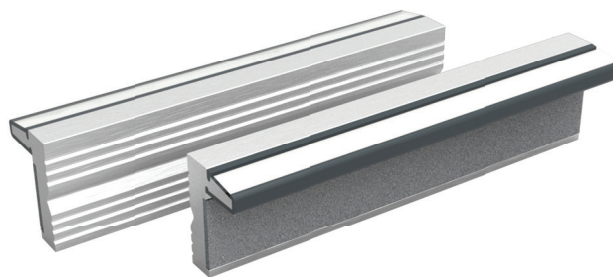


Part no.	Size	Compatible Vice
53351000	100mm	53320400
53351500	150mm	53320600

NEUTRAL

- Hardened aluminium alloy 6063, T66F25 with magnesium and silicon as alloying elements. Offers superior corrosion resistance along with excellent surface finish making the alloy the ideal material for securing your item firmly in the vice while still protecting the surfaces of your delicate objects.

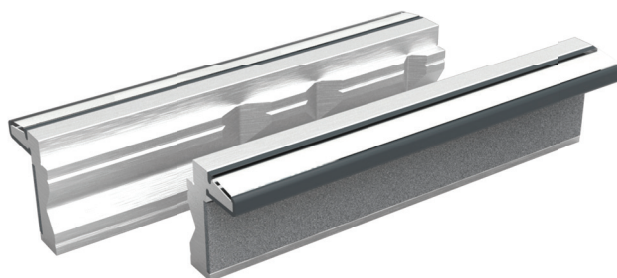
Part no.	Size	Compatible Vice
53301000	100mm	53320400
53301500	150mm	53320600
53301800	200mm	53320800



PRISM / VEE PIPE

- Designed for multipurpose application, offering efficient clamping and protection of the workpiece at the same time. Designed for; horizontal clamping of flat objects, horizontal clamping of round objects and vertical clamping of round objects.
- For thread cutting it is recommended only to use one prism jaw to avoid destroying the jaw. The vee-groove will align the workpiece and the serrations of the opposite vice jaw will keep it from turning.

Part no.	Size	Compatible Vice
53331000	100mm	53320400
53331500	150mm	53320600
53331800	200mm	53320800



FIBRE COVERED

- Hardened aluminium jaws with fiber cover for high finish machined workpieces.

Part no.	Size	Compatible Vice
53321000	100mm	53320400
53321500	150mm	53320600
53321800	200mm	53320800



RUBBER COVERED

- For assembly and for irregularly shaped parts, thin walled tubes and delicate items etc.

Part no.	Size	Compatible Vice
53311000	100mm	53320400
53311500	150mm	53320600
53318000	200mm	53320800



HEAVY DUTY SLIDE HAMMER

 GO520

For driving out components and straightening jobs on bodywork with extra tough heavy-duty design and practical handles.

- 8 tonne (approx.) maximum force.
- Loosens even the tightest connections; pressed or rusted in / attached with a cone.
- Suitable for removing injectors, wheel hubs, supporting joints etc. with relevant accessories.

Specifications:

- Weight: 9kg.
- Length: 770mm.
- Connection Thread: M18 x 1.5.



SLIDE HAMMER - 9KG NON-IMPACT

 GO530

Suitable for removing the locked mounted parts with maximum force and for repairing bodywork.

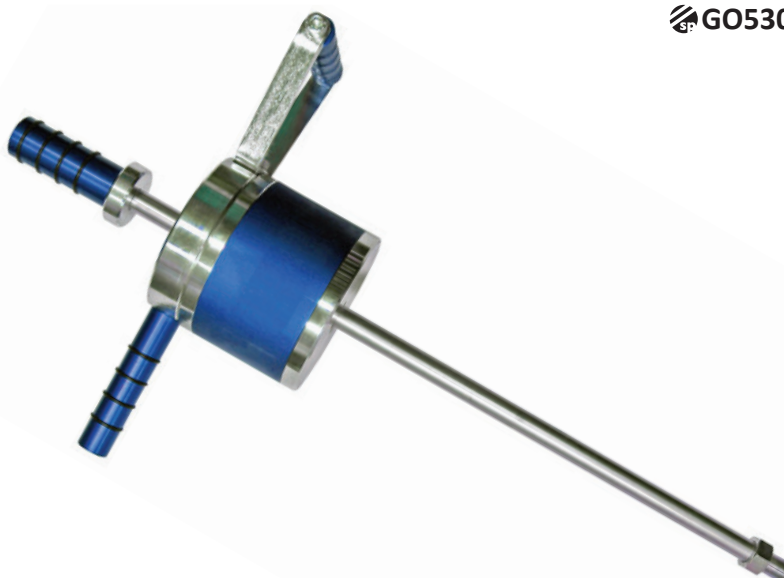
- The new version includes anti rebound metal balls to increase impact force transmitted to the part being removed.
- Also fits support joints for easy operation.

Applications

- Injectors, hubs, support joints, bodywork.

Technical data

- Weight 9 kg.
- Total length 770 mm.
- Connection – Thread M18 x 1.5 M22 x2.0.



HEAVY DUTY SUSPENSION HOOK

 GO528

For use with 08585000, GO520 & GO530.

- Heavy Duty Suspension Hook for use with slide hammers when repairing axles and bodywork.
- Ideal for loosening connections on the oscillating trapezoidal arm (ball joint / tightening hole) and on the wheel bearing housing with the spring struts inserted.
- Also ideal for straightening work on columns A, B or C due to the bracket profile.

Technical data:

- Connection thread: M18x1.5.
- Internal height: 110 mm.
- Hook Width: 40 mm.
- Total weight: 2.34 kg.

Applications Include.

- Ford Mondeo, Mercedes-Benz Vito front axle etc.



INDUCTION HEATING

VENOM™ INDUCTION HEATER

Generates Invisible Heat® to release corroded and thread locked metal components without the danger of an open flame.

1 kilowatt input - 1 kilowatt output.

- **Angled Design with Trigger:** Lightweight, ergonomic design allows for induction heat to access hard to reach places more easily.
- **Coil Twist Lock™:** Coils now lock down with one simple turn (no more thumb screws).
- **LED Usage Indicator:** A red LED will light under fault conditions and green LED lights while the trigger is active and the tool is heating properly.
- **Fault Override Delay:** Any event that causes the red LED to illuminate will protect the tool by starting a three second lock out.
- **Fan Operation Enhancements:** The fan continues to run after the trigger is released to aid in thermal cycle time reduction and will stay powered when the thermal switch opens to aid in cooling the tool.
- **User Controlled LED Switch:** As long as the tool is powered and the internal power supply is operating, the LED will remain lit when the switch is on.



960400SP

Part no.	Includes
96040000	Venom™ Induction Heater, 1 x Coil, 1 x String, 1 x Bearing Buddy
960400SP	Venom™ Induction Heater, 1 x U-Form Coil, 1 x Bearing Buddy PLUS 9 preformed coils from 4" - 10" long, up to 1 1/2" diameter



INCLUDES TWO YEAR WARRANTY

SP INDUCTION HEATER + RANGE

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!

Features:

- 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.
- LED work light illuminates work area.
- A true 1,000 watts max output power available.
- 1 year warranty - Parts/Labour.
- Kit includes rope, u-form and pre-formed coil.

Part no.	Power Rating
96021100	UK/EU Site Work (Construction/Factory) - 110v / 6 amp / 1000 watt
960212V	12v Battery Use - 12v / 70amp / 840watt

96021100

110V



For use with 110V Transformers (not included)

960212V

12V



INDUCTION HEATER COILS

For use with Induction Heaters above.

96013000



96015000



96026000



960260SP



Part no.	Coil Quantity	Sizes (mm)
96013000	3pc	19, 21, 26
96015000	8pc	19, 22 x 2, 26 x 2, 32, 38, 45
96026000	1pc	762 (length)
960260SP	3pc	762 (length)

UNIVERSAL HGV PULLERS

LARGE UNIVERSAL INTERNAL / EXTERNAL PULLER

Large Capacity Universal Puller Kit.

- Suitable for applications with a large span.
- Includes two pairs of setting sleeves to ensure pulling length is equal for each leg; less time is spent leveling nut position.
- Reach: 295 - 340mm.
- Spread: 0mm - 400mm.
- Suitable for use with air tools.
- Internal / external reversible legs - can also be used for internal applications.
- Ideal for use on bearings, gears and brake discs.
- Can also be used without setting sleeves is possible however more care is needed to guarantee successful levelling.

Spare Parts

210275-03	Bolt - 340mm M22 x 2.5
210275-04	Nut - M22 x 2.5
210275-13	Beam - 500mm
210275-27	Threaded Centre Rod
177000-01	Puller Foot
177000-01	Puller Spacer

See page 19 for configuration options

 17700000



UP TO 6 TONNE

HGV HYDRAULIC WHEEL PULLER

- Designed specifically for the removal of 10 stud 22.5" HGV wheels.
- Pulls inner and outer wheels on twin or single wheel hubs.
- 12 tonne hydraulic force dislodges the most difficult of seized rims.
- Suitable for alloy or steel wheels (soft coated hook sets required for use on alloy wheels - available to purchase separately).

Features:

- 12 tonne hydraulic ram system.
- 2 Spigot ring sizes for most popular applications – 281mm & 221mm.
- 4 high strength chains.
- 2 hook types specially designed for internal and external pulling applications.
- Supplied in metal case.
- Includes adjustable height trolley.

Spare Parts

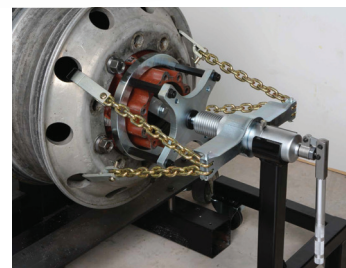
20881170	Inner Hook	20880170	Ram
20881270	Outer Hook	20871200	Main Beam
20871870	Cross Beam	20871300	Chain Set
20871970	Large Ring	20872000	Spacer Rods Set
20872170	Small Ring	20872300	Bung Assembly
20873000	Trolley		

FOR USE ON INNER AND OUTER WHEELS

 20880000



Includes Adjustable Height Trolley



*Soft coated hooks shown but not supplied - available separately

SOFT COATED HOOK SETS

- For use with 20880000 HGV Hydraulic Wheel Puller for alloy wheels.

Part no.	Description
20882200	4pc. Internal Hooks
20882400	4pc. External Hooks



 20882200

 20882400

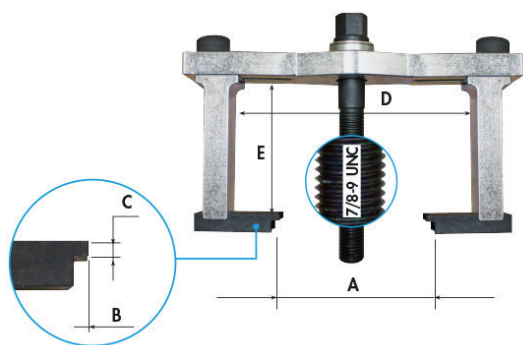


HUB EXTRACTOR SET

- For the quick and safe removal of hubs, compact hubs and bearings without locking ring.
- The tool can be easily assembled in different configurations according to the characteristics of the hub or hub and bearing to be removed.
- The set includes 3 different pairs of support feet, a sturdy bar support and a spindle with bearing, all components capable of guaranteeing a high thrust force.
- The set is an excellent addition to the GO015 wheel bearing extraction set.

NEW

GO046



Component	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
Structure	-	-	-	Min - 12 Max - 22	Min - 7 Max - 11
Foot 1	13.5	15	5.2	-	-
Foot 2	13.5	15	2.1	-	-
Foot 3	13.5	14.5	5.2	-	-

HGV HUB PULLER KIT

Universal wheel HUB extractor.

- Variable for pitch circle diameter up to 445mm.
- To suit wheel stud sizes commonly found on **DAF, MAN, MERC, RENAULT, SCANIA & VOLVO** models.

Contains 5 x thread adaptor pairs;

- M18 x P1.5 x 65mm/L.
- M20 x P1.5 x 65mm/L.
- M22 x P1.5 x 65mm/L.
- 7/8" - 11 BSF.
- 7/8" - 14 UNF.

21027500

SUITABLE FOR USE WITH AIR TOOLS



Spare Parts			
210275-03	Bolt - 340mm M22 x 2.5	210275-09	Thread Adaptor - M22 - 7/8" 14 UNF
210275-04	Nut - M22 x 2.5	210275-10	Pressure Plate - ø95mm
210275-05	Thread Adaptor - M18 X 1.5	210275-11	Pressure Plate - ø110mm
210275-06	Thread Adaptor - M20 X 1.5	210275-12	Pressure Plate - ø90mm
210275-07	Thread Adaptor - M22 X 1.5	210275-13	Beam - 500mm
210275-08	Thread Adaptor -M22 - 7/8" 11 BSF	210275-27	Threaded Centre Rod

XL COOLING SYSTEM PRESSURE TEST KIT

331400V2

An essential piece of test equipment for HGV servicing

Contents:

- 10 x Reservoir & Radiator Pressure Caps
- High capacity metal bodied hand pump
- Quick-Connect Hose Assembly
- Dual Gauge measures both p.s.i (0-35) and bar (0-2.5)
- Additional Pressure Caps available - refer to applications guide

Applications include:

- Bova / Case / Caterpillar / County / DAF / Dart / David Brown / Denis / Deutz-Fahr / ERF / Fendt Tractors / Ford Tractors / Iveco / JCB / John Deere Tractors / Komatsu / Leyland Marshall / MAN / Massey Ferguson / Mercedes / Neoplan / New Holland / Optare / Renault / Scania / and other Plant / Construction / Military & Agricultural solutions



Contents

33140100	Pump	33141500	Cap 5
33140300	Hose	33141600	Cap 6
33141100	Cap 1	33141700	Cap 7
33141200	Cap 2	33141800	Cap 8
33141300	Cap 3	33147800	Large Bayonet
33141400	Cap 4	33142000	Neutral

HGV SPLIT BUSH KIT - MASTER

18797000

For the removal and installation of split / spring eye bushes on HGV vehicles

- Uses a unique clamping system and a series of shells for a range of bush sizes from 56mm Dia to 75mm Dia.
- When used with a hydraulic pump (20017000) the kit allows the operator to work in a limited access environment and so reduce the amount of disassembly work required.
- Comprehensive kit includes clamp assembly, 9 x shells - 56mm / 58mm / 60mm / 63mm / 65mm / 66mm / 68mm / 70mm / 75mm plus hydraulic components.

Applications:

- Mercedes Benz, MAN, MAN Front Spring, IVECO Eurostar, Mercedes Benz Actros, Atego, DAF and Volvo.
- Also available without pump as part number 187970LP.



PRESS & PULL SLEEVE KITS

PRESS & PULL SLEEVE KITS

- 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 Universal Press Frame (187000V2 or 18703500).
- With a standard workshop press.
- With a Universal C Clamp (18780200 or 18780300).
- Can also be used with selected model specific Press Piece sets and in conjunction with optional hydraulic upgrade kits.

UNIVERSAL PRESS & PULL SLEEVE KIT - CAR / LCV KIT

- 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.



08780000

XL COMPREHENSIVE KIT

- 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.



08797500

XL BASIC KIT

- 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.



08790000

XL UPGRADE KIT

- Upgrade kit from 08790000 to complete 08797500.
- For owners of the XL basic kit 08790000 (SUV / LCV) who wish to upgrade to the full contents of the XL Comprehensive Kit (08797500).



08795000

BALL JOINT REMOVAL

4 WAY BALL JOINT SEPARATOR

- 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.



080500V2

BALL JOINT SEPARATOR - DIRECT ACTION TYPE

Specifications:

- Jaw Opening: 50mm.
- Jaw Throat Width: 15mm.
- Jaw Throat Depth: 69mm.



66031000

BALL JOINT SEPARATOR

Specifications:

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



66055000

BALL JOINT SPLITTERS

66049000



08060000



Long reach tool, ideal for ease of access, without being restricted by wheel arches.

Part no.	Length	Jaw Throat Width	Jaw Throat Depth
66049000	195mm	15mm	69mm
08060000	400mm	18mm	70mm

BALL JOINT REMOVAL

3-SIZE BALL JOINT SEPARATOR

- Drop forged rugged, flat design with 3 interchangeable forks.
- Forks are attached to the centre screw to allow continuous adjustment within the jaw capacity range.
- Features an internally operated drive spindle (M24) and an elongated recess in the forks, providing a safe & secure operation.
- Jaw capacity range: 30 - 65mm.
- 3 x fork sizes: 24, 27 and 31mm.
- Ideal for use on vehicles: Audi / VW (A3, A4 and A6 with double wishbone), BMW & Mercedes-Benz.



SP 08065000

BALL JOINT SEPARATOR - HGV

- Strong, heavy duty body, with strengthened fork and lever, allows for greater force to be applied.
- Can be upgraded to hydraulic power (use 080750V2 Upgrade Kit).

Specifications:

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



SP 08070000



12 TONNE HYDRAULIC BALL JOINT SEPARATOR

Updated kit now uses power from the SP 12 tonne hydraulic ram.

- Hydraulic version of the 08070000 HGV Ball Joint Separator.

Specification:

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

SP 180700V2



SP 080750V2

Upgrade Kit to convert the 08070000 to the 180700V2



Hydraulic Upgrade Adaptor also available without ram:

- 18071170 - Adjusting Screw
- 18071200 - Adjusting Plunger



INDUSTRIAL TOOLS

1/2" IMPACT WRENCH

- High quality impact wrench with smart design and ergonomic handle.
- 7 vanes for extra power and single switch can be easily changed for forward or reverse operation.
- Easily adjustable torque regulator.
- Can be configured for right and left hand use.
- Features 3-step power control and a lightweight magnesium composite housing.
- Available in black, signal green or neon orange.
- Twin-hammer.
- Variable speed trigger. • One handed operation.

 90201000



1600NM REVERSE / 1084NM FORWARD



 90201000-GREEN



 90201000-ORANGE



IMPACT WRENCHES

- Compact, smart design with ergonomically designed handle.
- Lightweight magnesium composite housing.
- Very low air consumption.
- Single-switch can be changed for easy forward or reverse operation.
- Easily adjustable torque regulator.
- Can be configured for right and left handed use.
- 3 step power control.



Part no.	Drive	Max Torque Nm (Reverse)	Torque Nm (Forward)	Noise Level (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
90201300 (Ultra-Short)	1/2"	680	500	95	134	1.3
90201000	1/2"	1600	1084	94.2	135	1.8
90202000	3/4"	2600	2000	97	210	3.2



AIR TOOL SERVICE & LUBRICATION KIT

- For servicing air tools.
- Includes 1 x bottle of air tool oil, 1 x tube of air tool grease, applicator nozzle and grease press.

Also available:

- 90215100 - 1 x bottle of air tool oil (250ml).
- 90215200 - 1 x tube of air tool grease (100g).
- 90215300 - 1 x grease press.



90215000

RUBBER BOOT FOR 90201000

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

**Impact wrench not included.*



90201100

UNIVERSAL AIR SWIVEL JOINT INLET

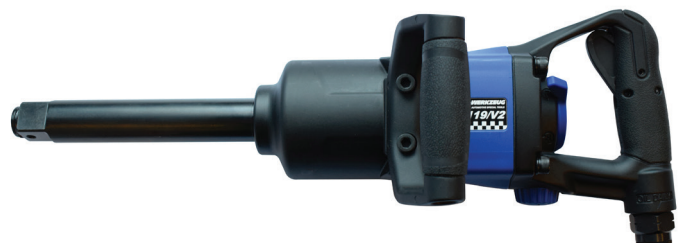
- 2 x 360° rotation.
- Industrial quality.
- Heat treated connecting screw.



90220000

1" IMPACT WRENCH - LONG ANVIL

- Powerful twin hammer mechanism.
- 4 step power control.
- 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.
- Lightweight magnesium composite housing.
- 190mm long anvil.



90204500

6.8KG

Technical Specifications

Drive	1"	Air Consumption Right	295 l/min
Max Torque Right	2200Nm	Air Consumption Left	305 l/min
Max Torque Left	3100 Nm	Speed (Empty) Right	4200 Rpm
Weight	6.8 kg	Speed (Empty) Left	4800 Rpm
Length	470 mm	Working Pressure	6.2 bar
Connecting Thread	1/2" NPT	Noise Level	110 dBA
Hose	9-13 mm	Vibration	6.5 m/s

'BIONIGRIP' HEAVY DUTY STRAIGHT AIR DIE GRINDER

- Provides ultimate power and perfect handling due to the 'Bionigrip' anti-slip surface.
- Low noise level and minimal vibration provides less "kick back" from cutters.
- Includes stepless trigger and air exhaust to the rear.
- Precision collet: 6.0mm instead of the usual 1/4" clamps carbide cutters over the entire length.

Technical Specifications

Weight	0.5kg
Length	175mm
Precision Collet	6mm
Maximum RPM	23,000
Air Inlet	1/4" NPT
Hose Min.	10mm
Air Consumption	116/min

SP 90211000



'BIONIGRIP' HEAVY DUTY 90 DEGREE AIR DIE GRINDER

- Provides perfect handling due to the 'Bionigrip' surface.
- Low noise level and minimal vibration provides less "kick back" from cutters.
- Includes stepless trigger and air exhaust to the rear.

Technical Specifications

Weight	0.82kg
Length	177mm
Precision Collet	6.35mm
Maximum RPM	23,000
Air Inlet	1/4" NPT
Hose Min.	10mm
Air Consumption	116/min

SP 90212000



MICRO DIE GRINDER

- The latest generation mini composite device for small / fine grinding and milling
- Ideal for cutting seized components, exhaust fittings & locking wheel nuts
- Ideal for use in confined spaces
- Provides perfect handling due to the 'Bionigrip' surface
- Minimal vibration and low noise
- Powerful mini device for small / fine grinding & milling
- 1/8" drive / 70,000 rpm

SP 90213000



MICRO DIE GRINDER BIT SET (5 PACK)

- Contains five shaped ends suitable for precision work

SP 90213500



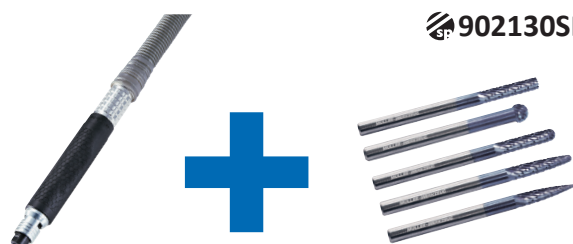
Also available in packs of 3

Part No.	Description	Length	Diameter
902135-01	Straight Bit Set	40mm	3mm
902135-02	Mushroom End Bit Set	33mm	3mm / Sphere - 4mm
902135-03	Rounded End Bit Set	40mm	3mm
902135-04	Tapered End Bit Set	40mm	3mm
902135-05	Spear Point Bit Set	40mm	3mm

MICRO DIE GRINDER & BIT SET

- Includes 90213000 Micro Die Grinder and 90213500 Bit Set

SP 902130SP





HEAVY DUTY VIBRO-IMPACT® AIR HAMMER

- The Heavy Duty Vibro-Impact® Air Hammer is for applications including loosening tight connections on vehicles such as HGVs, agricultural and construction vehicles.
- Helps to disassemble conical seat connections, wheel bearings, bushes, rusted screw connections etc.

90245000



INSERTS

Part no.	Description	Image
90245300	Tie-Rod Insert	
90245500	Hammer Insert	

Part no.	Description	Image
90245700	Concave Insert	
90245900	Pin Insert	

4 pack also available as part number 902400SP

HEAVY DUTY VIBRO-IMPACT® AIR HAMMER WITH CHISEL INSERT

- Includes 90245100 Flat Chisel.

902450SP



HEAVY DUTY VIBRO-IMPACT® AIR HAMMER WITH CHISEL INSERT

- Includes 90245500 Hammer Insert.

902455SP



VIBRO-IMPACT® AIR HAMMER

A unique concept to aid the removal of seized suspension parts.

- Controlled application of force via an air powered impact hammer.
- Allows the operator to control and gradually increase the force being applied.
- Built in shock absorber.
- Low vibration for user comfort.

90206000



INSERTS

Part no.	Description	Image
90221000	Tie Rod Separator Bit	
90222000	Hammer Bit	

Part no.	Description	Image
90223000	Ball Joint Separator Bit	
90228000	1/2" Sq Drive Bit	

SIGNAL HOSE

- Length: 10 metres.
- High-visibility hose to reduce trip hazard.
- Abrasion resistant outer cover.
- N.B. Hose supplied without fittings.

Specifications:

- 10mm / 3/8" ID.
- Working temp range -40°C to +65°C.
- Working pressure 300psi.
- Break pressure 1000psi.

90210000



MINI ANGLE DISC CUTTER & CUTTING DISCS

- Includes mini angle disc cutter and discs (x10).
- Air tool for cutting and grinding.
- Diameter: 50mm / Centre Bore: 10mm.
- Ideal for use in hard to reach areas.
- Includes adjustable spark protector.

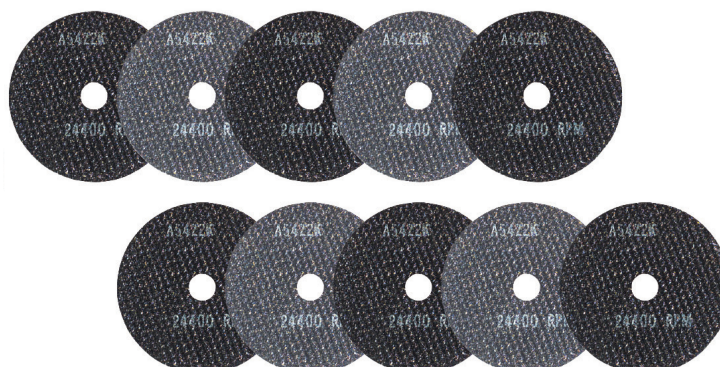
902970SP



10PC REPLACEMENT CUTTING DISCS

Pack of 10 cutting discs for use with mini angle disc cutter - 90297000 / 902970SP.

90297500



SILBERTOOL® THREAD REFORMER

SILBERTOOL® THREAD REFORMER

Our new range of External Thread Reform Tools uses innovative non-cutting technology to return threads from M5 – M110 back to their original shape.

- Allows original parts to be reused rather than replaced.
- Works on all types of thread including metric, fine and imperial with compatible rollers.
- No external energy source is required; process is completed by hand.
- Threads aren't weakened during the reforming process; cold hardening leaves the thread 39% harder than those which have been cut.
- Threads reformed with the Silbertool® withstand the same static and dynamic loads as a new undamaged thread, with a higher fatigue endurance limit.
- The finished surface is smoother than if cut which reduces the chance of corrosion and improves thread lifespan.



Roller packs must be used with the thread reformer; available in sets of 3, they are interchangeable and available to purchase separately



The shape of the original thread is reformed by using Silbertool® compared to cut threads where material is taken away - improving the threads durability and lifespan

M5 - M16 THREAD REFORMER MAIN ASSEMBLY

- Pitch: 0.5mm - 2.0mm.
- Max. Radius of Action: 35mm while working with ϕ 5mm.



01421600



VIDEO

01421600 - COMPATIBLE ROLLER SETS

Part no.	Description	Size	Part no.	Description	Size
014216-301	METRIC ROLLER SET R16	0.5mm	014216-306.1	METRIC ROLLER SET R16	1.5mm LH
014216-302	METRIC ROLLER SET R16	0.75mm	014216-307.1	METRIC ROLLER SET R16	1.75mm LH
014216-303	METRIC ROLLER SET R16	0.8mm	014216-308.1	METRIC ROLLER SET R16	2mm LH
014216-304	METRIC ROLLER SET R16	1.0mm	014216-320	UNC/UNF/UNEF ROLLER SET R16	11tpi
014216-305	METRIC ROLLER SET R16	1.25mm	014216-321	UNC/UNF/UNEF ROLLER SET R16	32tpi
014216-306	METRIC ROLLER SET R16	1.5mm	014216-322	UNC/UNF/UNEF ROLLER SET R16	28tpi
014216-307	METRIC ROLLER SET R16	1.75mm	014216-323	UNC/UNF/UNEF ROLLER SET R16	24tpi
014216-308	METRIC ROLLER SET R16	2mm	014216-324	UNC/UNF/UNEF ROLLER SET R16	20tpi
014216-301.1	METRIC ROLLER SET R16	0.5mm LH	014216-325	UNC/UNF/UNEF ROLLER SET R16	18tpi
014216-302.1	METRIC ROLLER SET R16	0.75mm LH	014216-326	UNC/UNF/UNEF ROLLER SET R16	16tpi
014216-303.1	METRIC ROLLER SET R16	0.8mm LH	014216-327	UNC/UNF/UNEF ROLLER SET R16	14tpi
014216-304.1	METRIC ROLLER SET R16	1.0mm LH	014216-328	UNC/UNF/UNEF ROLLER SET R16	13tpi
014216-305.1	METRIC ROLLER SET R16	1.25mm LH	014216-329	UNC/UNF/UNEF ROLLER SET R16	12tpi

M10 - M36 THREAD REFORMER MAIN ASSEMBLY

- Pitch: 0.5mm - 4.0mm.
- Max. Radius of Action: 115mm while working with ϕ 10mm.



01423600



VIDEO

SILBERTOOL® THREAD REFORMER

01423600 - COMPATIBLE ROLLER SETS

Part no.	Description	Size	Part no.	Description	Size
014236-201	METRIC ROLLER SET R36	0.5mm	014236-221	UNC/UNF/UNEF ROLLER SET R36	24tpi
014236-202	METRIC ROLLER SET R36	0.75mm	014236-222	UNC/UNF/UNEF ROLLER SET R36	20tpi
014236-203	METRIC ROLLER SET R36	1mm	014236-223	UNC/UNF/UNEF ROLLER SET R36	18tpi
014236-204	METRIC ROLLER SET R36	1.25mm	014236-224	UNC/UNF/UNEF ROLLER SET R36	16tpi
014236-205	METRIC ROLLER SET R36	1.5mm	014236-225	UNC/UNF/UNEF ROLLER SET R36	14tpi
014236-206	METRIC ROLLER SET R36	1.75mm	014236-226	UNC/UNF/UNEF ROLLER SET R36	13tpi
014236-207	METRIC ROLLER SET R36	2mm	014236-227	UNC/UNF/UNEF ROLLER SET R36	12tpi
014236-208	METRIC ROLLER SET R36	2.5mm	014236-228	UNC/UNF/UNEF ROLLER SET R36	11tpi
014236-209	METRIC ROLLER SET R36	3mm	014236-229	UNC/UNF/UNEF ROLLER SET R36	10tpi
014236-210	METRIC ROLLER SET R36	3.5mm	014236-230	UNC/UNF/UNEF ROLLER SET R36	9tpi
014236-211	METRIC ROLLER SET R36	4mm	014236-231	UNC/UNF/UNEF ROLLER SET R36	8tpi
014236-201.1	METRIC ROLLER SET R36	0.5mm LH	014236-232	UNC/UNF/UNEF ROLLER SET R36	7tpi
014236-202.1	METRIC ROLLER SET R36	0.75mm LH	014236-241	BSW/BSF/BSPP/BS ROLLER SET R36	14tpi
014236-203.1	METRIC ROLLER SET R36	1mm LH	014236-242	BSW/BSF/BSPP/BS ROLLER SET R36	12tpi
014236-204.1	METRIC ROLLER SET R36	1.25mm LH	014236-243	BSW/BSF/BSPP/BS ROLLER SET R36	11tpi
014236-205.1	METRIC ROLLER SET R36	1.5mm LH	014236-244	BSW/BSF/BSPP/BS ROLLER SET R36	10tpi
014236-206.1	METRIC ROLLER SET R36	1.75mm LH	014236-245	BSW/BSF/BSPP/BS ROLLER SET R36	9tpi
014236-207.1	METRIC ROLLER SET R36	2mm LH	014236-246	BSW/BSF/BSPP/BS ROLLER SET R36	8tpi
014236-208.1	METRIC ROLLER SET R36	2.5mm LH	014236-247	BSW/BSF/BSPP/BS ROLLER SET R36	7tpi
014236-209.1	METRIC ROLLER SET R36	3mm LH	014236-248	BSW/BSF/BSPP/BS ROLLER SET R36	6tpi
014236-210.1	METRIC ROLLER SET R36	3.5mm LH	014236-249	BSW/BSF/BSPP/BS ROLLER SET R36	5tpi
014236-211.1	METRIC ROLLER SET R36	4mm LH			

M10 - M60 THREAD REFORMER MAIN ASSEMBLY

- Pitch: 0.5mm - 3.0mm.
- Max. Radius of Action: 162mm while working with \varnothing 10mm.



01426000



VIDEO

01426000 - COMPATIBLE ROLLER SETS

Part no.	Description	Size	Part no.	Description	Size
014311-101	METRIC ROLLER SET R60/R110	0.5mm	014311-121	UNC/UNF/UNEF SET R60/R110	28tpi
014311-102	METRIC ROLLER SET R60/R110	0.8mm	014311-122	UNC/UNF/UNEF SET R60/R110	24tpi
014311-103	METRIC ROLLER SET R60/R110	1mm	014311-123	UNC/UNF/UNEF SET R60/R110	20tpi
014311-104	METRIC ROLLER SET R60/R110	1.25mm	014311-124	UNC/UNF/UNEF SET R60/R110	18tpi
014311-105	METRIC ROLLER SET R60/R110	1.5mm	014311-125	UNC/UNF/UNEF SET R60/R110	16tpi
014311-106	METRIC ROLLER SET R60/R110	1.75mm	014311-126	UNC/UNF/UNEF SET R60/R110	14tpi
014311-107	METRIC ROLLER SET R60/R110	2mm	014311-127	UNC/UNF/UNEF SET R60/R110	12tpi
014311-108	METRIC ROLLER SET R60/R110	2.5mm	014311-128	UNC/UNF/UNEF SET R60/R110	11tpi
014311-109	METRIC ROLLER SET R60/R110	3mm	014311-129	UNC/UNF/UNEF SET R60/R110	10tpi
014311-101.1	METRIC ROLLER SET R60/R110	0.5mm LH	014311-130	UNC/UNF/UNEF SET R60/R110	9tpi
014311-102.1	METRIC ROLLER SET R60/R110	0.8mm LH	014311-141	BSW/BSF/BSPP/BS SET R60/R110	19tpi
014311-103.1	METRIC ROLLER SET R60/R110	1mm LH	014311-142	BSW/BSF/BSPP/BS SET R60/R110	18tpi
014311-104.1	METRIC ROLLER SET R60/R110	1.25mm LH	014311-143	BSW/BSF/BSPP/BS SET R60/R110	16tpi
014311-105.1	METRIC ROLLER SET R60/R110	1.5mm LH	014311-144	BSW/BSF/BSPP/BS SET R60/R110	14tpi
014311-106.1	METRIC ROLLER SET R60/R110	1.75mm LH	014311-145	BSW/BSF/BSPP/BS SET R60/R110	12tpi
014311-107.1	METRIC ROLLER SET R60/R110	2mm LH	014311-146	BSW/BSF/BSPP/BS SET R60/R110	11tpi
014311-108.1	METRIC ROLLER SET R60/R110	2.5mm LH	014311-147	BSW/BSF/BSPP/BS SET R60/R110	10tpi
014311-109.1	METRIC ROLLER SET R60/R110	3mm LH	014311-148	BSW/BSF/BSPP/BS SET R60/R110	9tpi

SILBERTOOL® THREAD REFORMER

M50 - M110 THREAD REFORMER MAIN ASSEMBLY

- Pitch: 0.5mm -3.0mm.
- Max. Radius of Action: 184mm while working with ø 50mm.

01431100

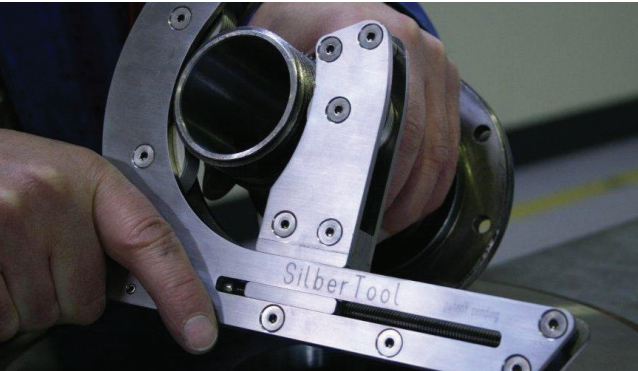
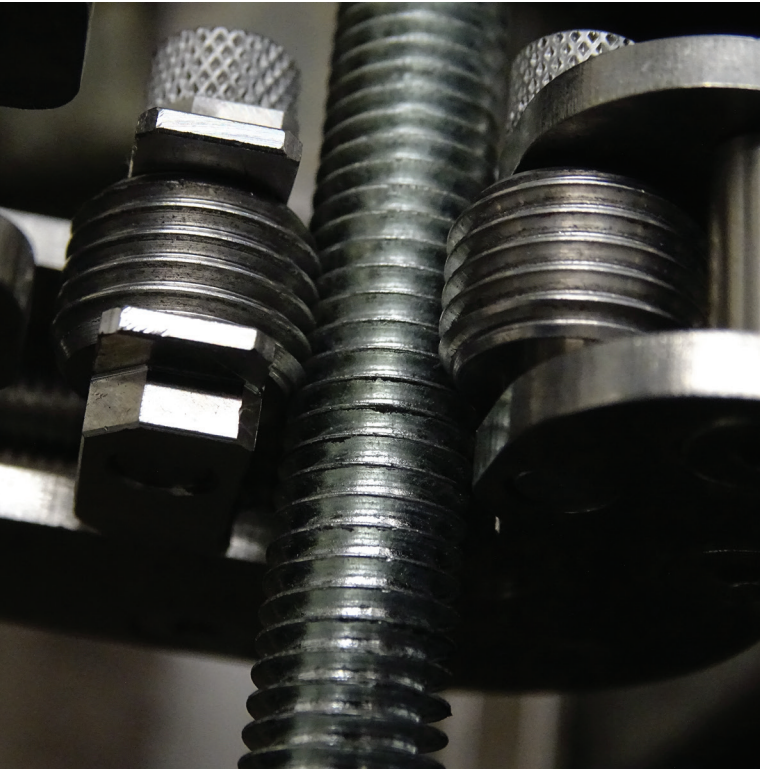


VIDEO



01431100 - COMPATIBLE ROLLER SETS

Part no.	Description	Size	Part no.	Description	Size
014311-101	METRIC ROLLER SET R60/R110	0.5mm	014311-121	UNC/UNF/UNEF SET R60/R110	28tpi
014311-102	METRIC ROLLER SET R60/R110	0.8mm	014311-122	UNC/UNF/UNEF SET R60/R110	24tpi
014311-103	METRIC ROLLER SET R60/R110	1mm	014311-123	UNC/UNF/UNEF SET R60/R110	20tpi
014311-104	METRIC ROLLER SET R60/R110	1.25mm	014311-124	UNC/UNF/UNEF SET R60/R110	18tpi
014311-105	METRIC ROLLER SET R60/R110	1.5mm	014311-125	UNC/UNF/UNEF SET R60/R110	16tpi
014311-106	METRIC ROLLER SET R60/R110	1.75mm	014311-126	UNC/UNF/UNEF SET R60/R110	14tpi
014311-107	METRIC ROLLER SET R60/R110	2mm	014311-127	UNC/UNF/UNEF SET R60/R110	12tpi
014311-108	METRIC ROLLER SET R60/R110	2.5mm	014311-128	UNC/UNF/UNEF SET R60/R110	11tpi
014311-109	METRIC ROLLER SET R60/R110	3mm	014311-129	UNC/UNF/UNEF SET R60/R110	10tpi
014311-101.1	METRIC ROLLER SET R60/R110	0.5mm LH	014311-130	UNC/UNF/UNEF SET R60/R110	9tpi
014311-102.1	METRIC ROLLER SET R60/R110	0.8mm LH	014311-141	BSW/BSF/BSPP/BS SET R60/R110	19tpi
014311-103.1	METRIC ROLLER SET R60/R110	1mm LH	014311-142	BSW/BSF/BSPP/BS SET R60/R110	18tpi
014311-104.1	METRIC ROLLER SET R60/R110	1.25mm LH	014311-143	BSW/BSF/BSPP/BS SET R60/R110	16tpi
014311-105.1	METRIC ROLLER SET R60/R110	1.5mm LH	014311-144	BSW/BSF/BSPP/BS SET R60/R110	14tpi
014311-106.1	METRIC ROLLER SET R60/R110	1.75mm LH	014311-145	BSW/BSF/BSPP/BS SET R60/R110	12tpi
014311-107.1	METRIC ROLLER SET R60/R110	2mm LH	014311-146	BSW/BSF/BSPP/BS SET R60/R110	11tpi
014311-108.1	METRIC ROLLER SET R60/R110	2.5mm LH	014311-147	BSW/BSF/BSPP/BS SET R60/R110	10tpi
014311-109.1	METRIC ROLLER SET R60/R110	3mm LH	014311-148	BSW/BSF/BSPP/BS SET R60/R110	9tpi



INTERNAL / EXTERNAL CIRCLIP TOOL

- Provides safe and stable service of extra large circlips.
- Compound screw lever for easy installation and removal of large circlips.
- Tip Sizes:
 - Bent 20 degrees: 3mm, 3.8mm, 4.6mm.
 - Bent 72 degrees: 3mm, 3.8mm, 4.6mm.
- Tip kit contains durable alloy colour coded tips and hex key.
- Packaged in black blow-molded case.

NEW

02870000

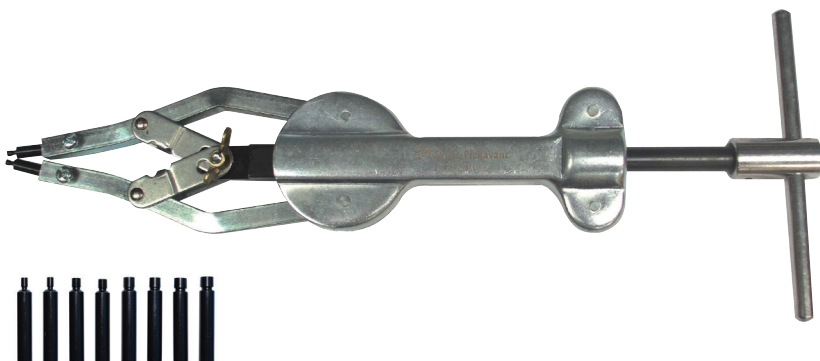


9MM - 90MM SPREAD

CIRCLIP TOOL WITH PEG SET

- Universal Circlip Tool.
- T-Bar handle with screw action for precise control.
- Use for internal & external applications.
- Supplied with 4 pairs of inter-changeable tips:
- 2.29mm / 3.00mm / 3.91mm / 4.32mm diameter.

02830000



Spare Parts Part No.	Description
02831600	Replacement Tips 4 pcs

SCREW EXTRACTOR SET

Straight Fluted Extractor Set.

- For the removal of broken studs 6 - 12mm diameter.
- Broken stud is drilled & an extractor is used to remove the remains of the stud.

Contents:

- Drill Bits x5 - Drill Guides x10.
- Extractor Assemblies x5.

01800000



SCREW EXTRACTOR SET 5PC

- Spiral LH screw extractors (easy-outs)
- 3 - 19mm capacity
- Supplied in plastic case



66099000

THREAD RESTORERS

- For repairing damaged threads where a conventional die cannot be used.
- Provides eight pitch sizes of thread form.



Part no.	Thread Form	Pitch Sizes
01560000	BSW / BSF	11, 12, 14, 16, 18, 20, 22, 26
01560100	SAE / UNF	12, 13, 14, 16, 18, 20, 24, 28
01560200	METRIC	0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00
01560300	BSP	11, 12, 14, 16, 19, 20, 22, 28



IMPACT DRIVER & BITS SET

- For use with a medium weight hammer, to loosen stubborn screws and nuts.
- Supplied in storage case, with fourteen inter-changeable bits.



040101V2

HOOK & PICK SET 9PC

9 Piece Hook, Pick & Scraper Set.

- Hardened chrome vanadium steel.
- Ergonomic soft grip handles.
- Includes multi-purpose scraper, ideal for gasket scraping.
- Set of 9 hooks, picks and scraper, ideal for the fitting and removal of: O rings, Seals, Bushes, Springs, Cotter Pins, Fuses etc.
- Supplied in moulded storage tray.

Contents:

- 4 x standard hooks & picks / 4 x mini hooks & picks / 1 x straight edge scraper.



66088700

HYDRAULIC NUT SPLITTERS

NUT SPLITTER KIT

Hydraulic Nut Splitters - 22mm & 37mm.

- Removes seized nuts without damaging threads.
- Allen key hex drive.
- 22mm & 37mm nut capacity.
- Supplied in steel storage case.

 033604V2



HYDRAULIC NUT SPLITTER

Hydraulic Nut Splitter - 37mm.

- Removes seized nuts without damaging threads.
- Allen key hex drive.
- 37mm capacity.
- Supplied in steel storage case.

 033600V2



HYDRAULIC NUT SPLITTER

Hydraulic Nut Splitter - 22mm.

- Removes seized nuts without damaging threads.
- Allen key hex drive.
- 22mm nut capacity.

 031600V2



MECHADRAULIC CYLINDERS

12 TONNE MECHADRAULIC CYLINDER

- Dimensions: $\varnothing 80 \times 55$ mm.
- Stroke: 8 mm.
- Driving torque: 67Nm.
- Weight: 2.5 Kg.
- Hole: $\varnothing 21.5$ mm.

GO1010



12 TONNE MECHADRAULIC CYLINDER & ADAPTORS

- Provides up to 12 tons of controlled hydraulic force.
- Dimensions: $\varnothing 80 \times 260 \times 45$ mm.
- Cylinder, thread inserts; M10, M12, M14 and M16 x 1.25.
- M18 x 1.5. Stroke: 8 mm.
- Driving torque: 56Nm.
- Weight: 1.65 Kg.
- Hole: $\varnothing 18$ mm.

GO1015



12 TONNE MECHADRAULIC CYLINDER

- Provides up to 12 tons of controlled hydraulic force.
- Dimensions: $\varnothing 80 \times 260 \times 45$ mm.
- Stroke: 8 mm.
- Driving torque: 56Nm.
- Weight: 1.65 Kg.
- Hole: $\varnothing 18$ mm.

18586500



HYDRAULIC CYLINDERS

12T HYDRAULIC CYLINDER - STEEL

- Provides up to 12 tons of controlled hydraulic force.
- Dimensions: Ø80 x 55 mm.
- Stroke: 8 mm.
- Pressure: max. 700 Bar.
- Hole: Ø21.5 mm.
- Connection: 3/8" -18 NPT.

GO1012



12T HYDRAULIC CYLINDER - ALUMINIUM

- Provides up to 12 tons of controlled hydraulic force.
- Dimensions: 98 x 80 x 50mm.
- Stroke: 8 mm.
- Pressure: max. 700 Bar.
- Hole: Ø21.5 mm.
- Connection: 3/8" -18 NPT.
- Adaptors: M10/M12/M14/M16/M18.

GO1050



12T HYDRAULIC CYLINDER - ALUMINIUM

- Provides up to 12 tons of controlled hydraulic force.
- Dimensions: Ø90 x 155 mm.
- Stroke: 43 mm.
- Pressure: max. 700 Bar.
- Hole: Ø20 mm.
- Connection: 3/8" -18 NPT.
- Mounting Thread: 2" 3/4-16 UN.
- Adaptors: M10/M12/M14/M16/M18.

GO1060



12 TONNE HYDRAULIC CYLINDER

- Provides up to 12 tons of controlled hydraulic force.
- Hollow, self-retracting design.
- Stroke: 8mm.
- Hole: Ø16mm.
- Dimensions: Ø78 x 62mm.

18592000



12 TONNE HYDRAULIC CYLINDER

- Provides up to 12 tons of controlled hydraulic force.
- Hollow, self-retracting design.
- Stroke: 40mm.
- Hole: Ø16mm
- Dimensions: Ø78 x 124mm.

 18592100



17 TONNE HYDRAULIC CYLINDER

- Provides up to 17 tons of controlled hydraulic force.
- Dimensions: Ø90 x 155 mm.
- Stroke: 43 mm.
- Pressure: max. 700 Bar.
- Hole: Ø20 mm.
- Connection: 3/8" -18 NPT.
- Outside connection thread: 2" 3/4-16 UN.

 GO1017



17T HYDRAULIC CYLINDER - ALUMINIUM

- Provides up to 17 tons of controlled hydraulic force.
- Dimensions: Ø90 x 155 mm.
- Stroke: 43 mm.
- Pressure: max. 700 Bar.
- Connection: 3/8" -18 NPT.
- Mounting Thread: 2" 3/4-16 UN.
- Adaptors: M10/M12/M14/M16/M18.

 GO1061



HYDRAULIC CYLINDERS

20 TONNE HYDRAULIC CYLINDER

- Provides up to 20 tons of controlled hydraulic force.
- Dimensions: Ø100 x 60.
- Stroke: 8 mm.
- Pressure: 700 Bar.
- Weight: 3.04 Kg.
- Coupling connection thread 3/8" -18 NPT.



GO1020

32T HYDRAULIC CYLINDER - STEEL

- Provides up to 32 tons of controlled hydraulic force.
- Dimensions: Ø104 x 261 mm.
- Stroke: 50 mm.
- Pressure: max. 700 Bar.
- Hole: Ø21.5 mm.
- Connection: 3/8" -18 NPT.
- Inner thread: M24 x 2.
- Outside connection thread: 2" 3/4-16 UN.



GO1032

32T HYDRAULIC CYLINDER - ALUMINIUM

- Provides up to 32 tons of controlled hydraulic force.
- Dimensions: Ø104 x 261 mm.
- Stroke: 50 mm.
- Pressure: max. 700 Bar.
- Hole: Ø21.5 mm.
- Connection: 3/8" -18 NPT.
- Inner thread: M24 x 2.
- Outside connection thread: 2" 3/4-16 UN.



GO1070

HYDRAULIC CYLINDERS

1800 SERIES 12 TONNE HYDRAULIC RAM

- Includes pre-loading 30mm hex.
- Includes: 2" extension and foam cut-out for storage.
- Standard power unit for SP suspension products and is 50% more powerful than the original SP1500 Series 8 tonne ram, creating reliable power for tough applications.
- Can achieve up to 4 tonnes of mechanical force prior to hydraulic operation.



SP 180000V2



HYDRAULIC ALUMINIUM PUMP - HAND OPERATED

- Portable & lightweight aluminium bodied hydraulic pump fitted with gauge, hydraulic heavy duty hose and 3/4" hydraulic coupler.
- Hand Operated pump.
- Pressure Rating: 10,000 psi / 700 bar.
- Designed for use with single acting cylinders.
- Automatic overload relief valve protects hydraulic components.
- Automatic two speed operation - High flow for low resistance and low flow for high resistance.

SP 20017000



HYDRAULIC ALUMINIUM PUMP - AIR POWERED

- Portable & lightweight aluminium bodied hydraulic pump fitted with gauge, hydraulic heavy duty hose and 3/4" hydraulic coupler.
- Pressure Rating: 10,000 psi / 700 bar.
- Designed for use with single acting cylinders.
- Automatic overload relief valve protects hydraulic components.
- Foot pedal control.
- Unique inlet and outlet design features a low noise exhaust system.

SP 20017500



12V PRO-START BOOSTER PACKS

- Pro-Start booster packs are perfectly safe for the on-board electronics on modern vehicles and are compatible with Petrol, Diesel & Hybrid vehicles.
- Double insulated starting cables – 1.30 / 1.35 mtrs length.
- Illuminated voltmeter indicates booster charge level, booster & alternator function.
- Curved jaw clamps, fully insulated – blue clamp with LED lamp.
- Shock resistant, moulded case – (lifetime case warranty).
- All Pro-Start booster packs include a mains 240V smart charger to maintain peak battery condition for long life & maximum performance.
- All units include lifetime case warranty & 2 year battery warranty.

Part no.	Description	Voltage	Cranking Amps	Peak Amps
861041SP	SOS Booster 440	12V	440	1600
861044SP	Pro-Start 440	12V	440	1170
861001SP	Pro-Start 700	12V	700	1860
861002SP	Pro-Start 800	12V	800	2370

LIFETIME CASE WARRANTY



12/24V PRO-START PLUS BOOSTER PACKS

Pro-Start Booster Packs - Plus Range for super heavy duty charging.

Applications:

761001SP

- 12v petrol / diesel, light trucks, 4x4, agricultural service and heavy trucks.
- 24v diesel vehicles with engines up to 500HP (partially flat battery).

761006SP

- Petrol or diesel, vans, 4x4, second-hand and agricultural service, heavy trucks.
- 24v diesel vehicles with engines up to 500HP (partially flat battery).

760008SP

- Petrol or diesel, light trucks, agricultural service, heavy trucks, buses, tanks, planes, boats etc.
- 24v diesel vehicles with engines up to 1500HP (without batteries).

Part no.	Description	Voltage	Cranking Amps	Peak Amps
761001SP	Pro-Start Plus 1400	12/24V	1400 / 700	3720 / 1860
761006SP	Pro-Start Plus 1600	12/24V	1600 / 800	4740 / 2370
760008SP	Pro-Start Plus 2400	12/24V	2400 / 1200	6200 / 3100

LIFETIME CASE WARRANTY



12/24V SOS MOBILE BOOSTER PACK

- Batteries based on aerospace technology for exceptional, dependable power and life.
- Portable and self sufficient: Light and easy to transport, yet with enough power to get the job done regardless of the condition of the battery.
- Extra long cables provides the flexibility to place the unit on the ground, allowing for one man operation.
- Designed to protect the electronic equipment on the most sophisticated vehicles.
- Internal Fuses: To protect the batteries against short-circuits and power surges.
- Batteries: Type AGM / MF.
- Cables: Radaflex® 'Welding' with double isolation for optimal current conductivity & maximum flexibility.
- 12V petrol or diesel, truck, 4x4, agricultural and plant equipment.
- 24V diesel heavy truck, bus, tank, plane, boat and train.

Voltage	Cranking Amps	Peak Amps
12/24V	3200 / 1600	7750 / 3875

SOS96000



PROPULSTATION BOOSTER PACK WITH DOCKING STATION

Eliminate the risk and frustration of an uncharged booster pack.

- Robust shell case design with 5mm shatter-proof polyethylene.
- Long & flexible cables with double insulation.
- Robust, wide-opening clamps include copper trace carrying the current to the bronze jaws & protecting the spring against over-heating.
- AC Model - Supplied with mains AC charger.
- DC Model - Supplied with 5m cable and one-way diode.



Part no.	Voltage	Cranking Amps	Peak Amps
521001AC	12V AC	700	1860
521001DC	12V DC	700	1860
521002AC	12V AC	800	2370
521002DC	12V DC	800	2370

ULTRA-LITHIUM BATTERY BOOSTER

12v 1300 amp lightweight, compact & powerful Ultracapacitor Booster Pack with backup lithium battery.

- Easy & Quick Recharge: hybrid technology allows booster to be charged from the vehicle's battery or if highly discharged the backup lithium battery can be used instead, this takes 1 - 4 minutes depending on method used.
- 10,000 Cycles / 10 Year Life Span.
- Operating Temperature Range: -40°C +65°C.
- Override Mode to start engine without any battery mounted.
- Glow Mode for cold start of diesel engine.
- Protection against short-circuits and reverse polarity.
- Digital display shows capacitor charging level and vehicle's battery voltage.
- Rotomolded case with lifetime warranty.
- Fully insulated Heavy-Duty curved clamps.



341300SP

ONLY 15KG



LIFETIME CASE WARRANTY

ACCU-SMART® BATTERY CHARGER RANGE

Extend your batteries' lifetime with Accu-Smart® a totally automatic charger that works for you

- Suitable for Wet Lead Acid), AGM, Gel & Fleece type batteries.
- Thermal Runaway Technology optimizes the charging time without the risk of overheating, analyses and protects the battery during charge.
- Retains memory settings within the vehicle whilst replacing the battery.
- The Accu-Smart® charger restarts in case of a power cut and provides total protection against short-circuits, peaks of voltage (AC or DC), inversion of polarity and over-heating spikes.
- Works automatically, without external intervention with no need for handling or mode selection.



Part no.	Rating
896122SP	12V 2A
896124SP	12V 4A
896127SP	12V 7A
8961210SP	12V 10A

CT PRO BOOSTER PACK 2000/1000A

- Capable of multiple starts of 28L+ diesel engines in one charge - Suitable for hauliers, plant, cv & psv workshops and many others who need to rely on their booster pack this winter.
- Easily move the pack around your workshop without worrying about injury.
- 2000/1000 Cranking Amps – enough to start 28L diesel engines from completely flat.
- 2 Year warranty on the whole pack & lifetime warranty on housing (excluding fuse).
- Curved clamps with LED in negative clamp.

231009SP



PRO MAINTAIN

- CPU controlled professional chargers with universal use for supply, charging, maintenance and reprogramming vehicles.

Part no.	Voltage	Amp	Power (Watt)	Charge (Ah)	Maintenance (Ah)
893460SP	12	5 - 60	900	5 - 600	5 - 1800
893490SP	12	10 - 120	1800	10 - 1200	10 - 3600



893490SP



893460SP

PRO CHARGE 12/24

25 amp electronic charger with digital display.

- Suitable for all types of lead batteries; Wet, Gel, AGM, MF, VRLA, etc.

Technical Specifications:

- Power Supply - 220 - 240V.
- Frequency - 50-60Hz.
- Rated Current - 5 - 12.5 - 25A.
- Charging / Testing Stages - 9.
- Battery Voltage - 12 - 24V.
- Capacity - 5Ah - 550Ah.
- Show Room Function - 13.8V.
- IP Rating - IP20.
- Size - 260 x 130 x 75mm.
- Weight - 2.5Kg.

899040SP



CARBIDE SCRAPER KIT

Universal tool for the removal of unwanted build ups.

- Double edged blade gives you the ability to use the tool on both sides as a push or pull tool.
- Ergonomically designed to fit comfortably in your hand.
- High quality carbide tips give the tool a longer lifespan.
- For use on gaskets, corrosion on brakes, paint and glue in hard to reach areas and carbon on the exhaust manifold.



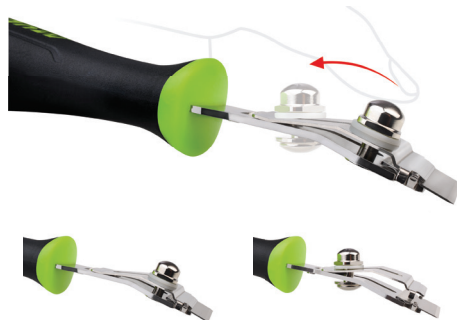
67000200

SCRAPER & BLADES

- New design razor scraper with quick lock mechanism.
- Non-slip 2 component handle.
- Includes 5 steel & 5 plastic blades.
- Length: 210mm.
- Blade: 39mm.

Spare Blades:

- 70101000 - 10 x plastic blades.
- 70102000 - 10 x steel blades

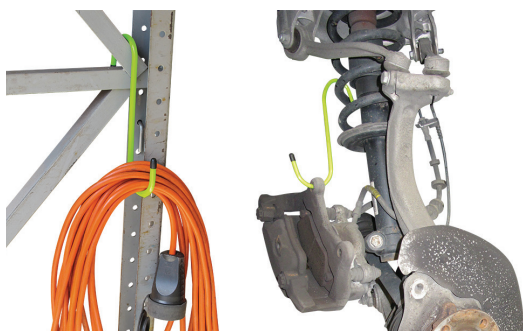


70100000

UNIVERSAL HOOK KIT

Hook-kit for universal applications such as brake caliper, cables, hoses etc.

- Hooks are bendable.



04554000

MITYVAC SILVERLINE ELITE AUTOMOTIVE KIT

- Ideal for a wide variety of workshop tasks requiring vacuum and / or pressure featuring a dual convertor to switch from vacuum to pressure.
- Ideal for a wide variety of diagnostic tests which require a pressure source e.g. EVAP sensors, Cooling system leak tests etc.
- Ideal for a wide variety of workshop tasks requiring vacuum and / or pressure e.g. Diagnostics, brake bleeding, fluid transfer, evacuation, sampling etc.

Contains:

- Silverline Die-Cast. Aluminium Vacuum & Pressure Pump to 4bar (60psi) pressure.
- Large 480ml Fluid Reservoir with quick connection to pump.
- Selection of 12 vacuum caps.
- Diagnostic / Brake Bleeding Adaptor kit.
- Tubing and Tube Connectors.



MV8550

GENERAL INDUSTRIAL TOOLS

5PC. TRIM CLIP LIFTER SET

- For removal of plastic clips, fasteners, upholstery and door trim panels.
- Supplied in box with foam.

Contains:

- 1 x Clip Lifter
- 1 x 7mm Clip Lifter
- 1 x 5mm Half-Round Clip Lifter
- 1 x 11mm S Form Clip Lifter
- 1 x 11mm Angled Clip Lifter

04605000



PRECISION PICK SET

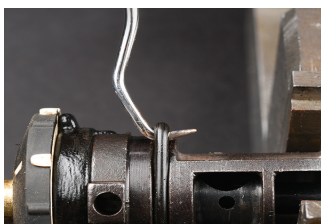
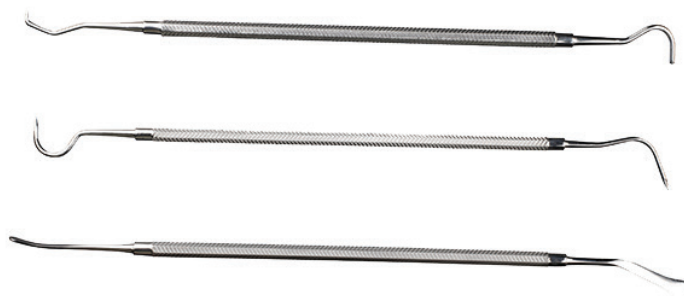
Multi-function micro tool kit, 3 pc.

- Can be used individually or two handed.
- High quality chrome finish with integrated textured shafts.
- Improved accessibility & increased control.

Applications;

- O-rings, spring rings, seals, connectors, accurate ECU remapping, soldering, relay removal, picking out fuses, etc.

04553000



TRIM TOOL SET

- Set of five strong, flexible plastic angled, lever and panel pullers.
- Ideal for roof linings, door trims, panel trims and moulding strips.
- Designed to enable the safe removal of vehicle trim panels without damage.

04550000



11 PC. NON MARKING TRIM TOOL SET

- Professional set of strong, flexible plastic angled, lever and panel pullers.
- Reduces risk of damaging / scratching surfaces.

04551000



COMBINATION TRIM WEDGE & UNIVERSAL HOOK

Trim Wedge

- Combined universal tool, perfect for a variety of panel clips and molding removal, ideal for door panels, headlights, dash panels, vehicle trim etc.

Universal Hook

- An ideal tool for working on door molding and a variety of other seals.
- Trim wedge also available separately as p/n 04561000.



04552000



DEEP MAGNETIC BOWLS

- Strong magnet will attach securely to any metal object in your garage or workshop.
- Unique shape allows it to be positioned vertically or horizontally.
- Magnet keeps metal tools and components secured at any angle.
- Ø152mm x 135mm (overall height) / 113mm (maximum inner depth).



7710BLUE

7710GREY

7710GREEN

7710ORANGE



UNIVERSAL SPANNER EXTENDERS

- Provides additional leverage in a secure manner.
- Ideal for use with spanners, allen keys etc.
- Loosens tight connections on hard to reach areas.



68786000

Part no.	Length
68786000	340mm
68790000	450mm
68795000	580mm



WIRELESS ELECTRONIC STETHOSCOPE KIT - "CHASSISEAR"

- The Wireless Electronic Stethoscope is designed for the detection of vehicle noises e.g. rattles, squeaks and air ingress under load, during a road test and for the diagnosis of a wide variety of potential faults e.g. wheel bearings, CV joints, differentials, transmission, injectors, alternators, water pumps, AC compressors and many more.
- Can be used on cars, vans, trucks, buses etc as there are no cable length issues to overcome.
- Consists of Receiver Unit, 4 x Transmitter Units (4 channels), 4 pick-up leads, pick-up fixing straps, headphones, batteries, instruction manual & storage case.
- Pick-up clamps can be attached to many different parts of the vehicle in order to amplify the sounds made under load and in actual driving conditions.
- N.B. Due care and consideration should be taken of driving conditions and regulations when operating the ChassisEAR™ on the road.



PORTABLE GAS ANALYSER & PRINTER SETS

- Truly portable 4 or 5 Gas Analyser for fault diagnosis, tuning and pre-MOT testing.
- Infra-Red Gas Bench measures the three IR gases (CO, HC, CO2).
- Easy to use - no need for daily reconfiguration.
- Ideal for both static and dynamic testing.
- Light weight - only 1.1kg - truly 'hand-held'.
- Fast warm-up - only 150 seconds.
- Internal memory - stores up to 250 test results manual or automatic mode.
- PC compatible (using optional software).
- Long life internal battery - up to 8 hours between recharges - via mains or 12v (dependent on use).
- Multi-lingual - English, French, German, Italian, Spanish as standard.
- Test results can be recorded either manually (by pressing the appropriate key), or automatically at timed intervals ideal for on the road tests so that no driver intervention is required during the test.
- Provides Lambda / AFR measurement, and corrected CO.
- Includes 32425000 Infra red printer.
- O2/NOX (model dependent) are measured using electrochemical sensors.



Part Number	Description	Gases Measured
325200SP	Portable 4 Gas Analyser & Printer	CO, HC, CO2, O2
325232SP	Portable 5 Gas Analyser & Printer	CO, HC, CO2, O2, NOX



325200SP



325232SP



STRAP TYPE OIL FILTER REMOVER

- Multi-purpose strap wrench, ideal for all oil filters up to 300mm diameter.
- Range: 20 to 300mm diameter.
- Strap Length: 1 metre long & 40mm wide.
- Strong steel shank and polyester strap.
- Self tightening band designed for fast and secure filter removal.
- Double ended 13/16" hex c/w 3/8" & 1/2" sq. dr.



03860000



Spare Parts

03860500 Replacement Strap

HEAVY DUTY STRAP WRENCH

- Multipurpose, heavy duty strap wrench, ideal for HGV oil filter removal and industrial applications.
- Range: 50 to 275mm diameter.
- Strong cast iron handle for exerting high leverage, with polyester webbing strap.



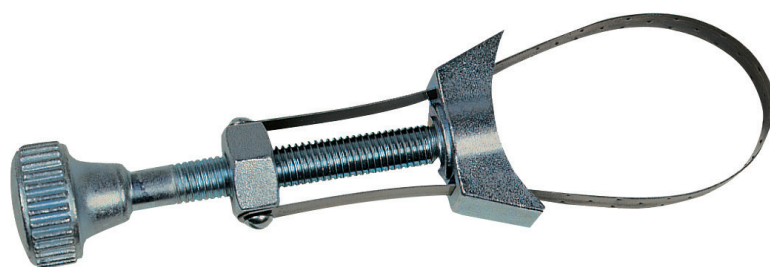
015500V2

Spare Parts

015512V2 Replacement Strap

ADJUSTABLE BAND TYPE OIL FILTER REMOVER - LCV/HGV

- Band type, adjustable, non-stretch steel band with die-cast screw mechanism.
- Range: 110 to 155mm diameter for LCV / HGV applications.



03830000

Spare Parts

03830100 Replacement Band

ADJUSTABLE BAND TYPE OIL FILTER REMOVER - CAR/LCV

- Band type, adjustable, non-stretch steel band with die-cast screw mechanism.
- Range: 66 to 100mm diameter for Car / LCV applications.



03840000

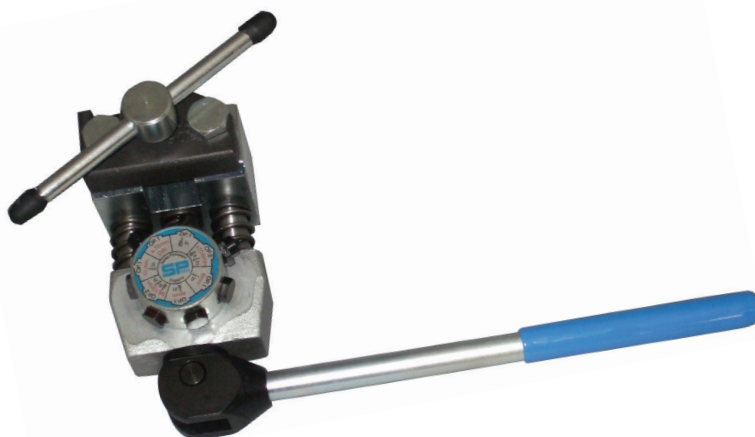
Spare Parts

03840100 Replacement Band

'270' SERIES PIPE FLARING TOOL

Features:

- Pipe flaring tool that produces both Convex and Double Lap flares to SAE & DIN standards.
- Ideal for use on brake pipes.
- Metric & imperial pipe sizes.
- From 3/16" to 1/2".
- From 4.75mm to 12mm.
- Produces both Convex and Double Lap flares to SAE & DIN standards.
- Unique 'Dial-a-Size' Turret design.
- Lever cam operation for quick flaring.
- Automatic punch extraction from flare.
- Screw clamp for accurate die alignment.
- Variety of kits available to suit requirements.
- All components available individually.



PIPE FLARING TOOL KIT - IMPERIAL

Suitable for pipe sizes:

- SAE Single & Double Flares: 3/16", 1/4", 5/16", 3/8", 4.75mm
- DIN Single Flares: 4.75mm

02700000



PIPE FLARING TOOL KIT - 3/16" & 4.75MM

Suitable for pipe sizes:

- SAE Single & Double Flares: 3/16" & 4.75mm

02700100



PIPE FLARING TOOL KIT - METRIC

Suitable for pipe sizes:

- SAE Single & Double Flares: 3/16", 4.75mm, 6mm, 8mm, 10mm
- DIN Single Flares: 4.75mm



 02700200

PIPE FLARING TOOL - 3/16" 1/4" 4.75MM 6MM

Suitable for pipe sizes:

- SAE Single & Double Flares: 3/16", 1/4", 5/16", 3/8", 1/2", 4.75mm, 6mm, 8mm, 10mm, 12mm
- DIN Single Flares: 4.75mm



 02700800

PIPE FLARING TOOL - 3/16" 1/4" 4.75MM 6MM

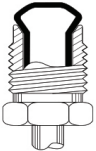
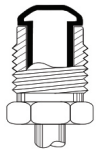
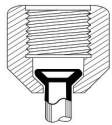
Suitable for pipe sizes:

- SAE Single and Double Flares: 3/16", 1/4" 4.75mm, 6mm
- DIN Single Flares: 4.75mm



 02700900

'270' SERIES - INDIVIDUAL PUNCH & DIE SELECTION CHART

Flare Pattern	Tube O.D	'270' Series Individual Selection		Kit Coverage				
		Punch	Die Set	02700000	02700100	02700200	02700800	02700900
	3/16"	02705100	02703100	•	•	•	•	•
	1/4"	02705200	02703200	•			•	•
	5/16"	02705300	02703300	•			•	
	3/8"	02705400	02703300	•			•	
	1/2"	02705500	02703500				•	
	4.75mm	02705100	02703100	•	•	•	•	•
	6mm	02705200	02704300			•	•	•
	8mm	02705300	02704300			•	•	
	10mm	02705400	02704400			•	•	
	12mm	02705500	02704500				•	
	4.75mm	02706100	02704100	•	•	•	•	•
	6mm	02706200	02704700	Available as an optional extra for Turret Assembly 02701800				
	8mm	02706300	02704800					
	10mm	02706400	02704900					
	12mm	02706500	02705000					
	3/16"	02705100	02703100	•	•	•	•	•
		02707100						
	1/4"	02705200	02703200	•			•	•
		02707100						
	5/16"	02705300	02703300	•			•	
		02707200						
	3/8"	02705300	02703400	•			•	
		02707200						
	1/2"	02705500	02703500				•	
		02707200						
	4.75mm	02705100	02703100	•	•	•	•	•
		02707100						
	6mm	02705200	02704200			•	•	•
		02707100						
	8mm	02705300	02704300			•	•	
		02707200						
	10mm	02705400	02704400			•	•	
		02707200						
	12mm	02705500	02704500				•	
		02707300						

Spare Parts & Accessories

02701400	Replacement Turret Assembly c/w 7 punches (For Kits 02700000 / 02700200 / 02700800)
02701500	Replacement Turret Assembly c/w 3 Punches (For Kit 02700100)
02701600	Replacement Turret Assembly c/w 2 Punches (12mm, 1/2") (For Kit 02700800)
02701770	Replacement Body Assembly
02701800	Replacement Turret Assembly - 5 Punch (DIN 4.75 - 12mm)
02702270	Clamp Top Plate
02702570	Replacement Die Clamp Screw & T-Bar
02702600	Shoulder Bolts for Die Clamp (Pair)
02702770	Replacement Handle Assembly (Blue)

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CONDITIONS OF SALE

CARRIAGE TERMS

The following carriage terms will apply to all orders received with effect from 1st January 2020.

UK – MAINLAND ONLY - Via Road Transport

Carriage paid on all orders of £125 nett and over

Carriage charge on orders below £125 nett **£8.95**

SPECIAL DELIVERY CHARGES - UK MAINLAND ONLY

Next day before 10.00 am **£22.95**

Next day before 12noon **£16.95**

**Excludes N. Ireland & Off Shore Islands*

SPARE PARTS SERVICE

By Post **£5.50**

By Carrier **£8.95**

REPAIRS SERVICE

Return carriage for all repairs **£8.95**

NORTHERN IRELAND

Carriage paid on all orders of £195 nett and over

Carriage charge on orders below £195 nett **£24.00**

REPUBLIC OF IRELAND

Carriage paid on all orders of £400 nett and over

Carriage charge on orders below £400 nett **£39.00**

CHANNEL ISLANDS

Please contact Customer Services for a delivery price

EUROPE, NORTH AMERICA and all other Export Markets

Please contact Customer Services for a delivery price

EXCLUSIONS

The following items are excluded from our standard delivery charges; e.g. Loadstar Pullers / Suspension Workstations / Presses (This list is not exhaustive and is subject to change) A quote for carriage will be given on application.

N.B. Prices shown are correct at time of printing. Sykes-Pickavant Ltd reserve the right to amend the prices above as necessary.

GENERAL INFORMATION

Whilst every effort has been made to ensure that the information contained in this catalogue is accurate at the time of printing, Sykes-Pickavant Ltd will not accept responsibility should any inaccuracies be contained herein. Our policy is one of continuous improvement and therefore product specifications may vary from this catalogue and the website. Sykes-Pickavant Ltd reserves the right to change specifications and make modifications to the products described and illustrated without prior notice. Reproduction of this catalogue in part or full is not permitted without written approval. E&OE.

ABUSE

Sykes-Pickavant tools have been designed and built to withstand the general wear and tear that takes place within the workshop environment. Sometimes however, tools can fail if they are subjected to abuse. Tools that fail due to abuse will normally fall outside our normal warranty process.

Examples* of abuse include:

- Evidence of use of air tools on threaded bars / nuts or where catalogue or instructions prohibit
- Threaded bars used without grease
- Tools that have obviously been dismantled or otherwise tampered with
- Suspension bars that have bent due to additional leverage being used (usually another length of pipe has been added)
- Electrical products that have water damage
- Torque wrenches that have not been returned to zero after use

**This list is not exhaustive*

SPARE PARTS

Where applicable, Sykes-Pickavant will provide spare parts to replace components to prolong the life of the tool. Where a product has spare parts, they are listed in the catalogue and on our website. If there are no spare parts listed, there are no spares for that part.

Threaded bars and bearing nuts (i.e. bush kits) require regular greasing and as such they are considered consumable items.

Sykes-Pickavant will endeavour to stock as many spare parts as possible.

TORQUE WRENCHES

Torque wrenches should always be returned to zero after use to maintain calibration. Sykes-Pickavant recommends that torque wrenches are calibrated every 5000 cycles or 12 months.

RETURNS POLICY AND PROCEDURES

Policy

1. Sykes-Pickavant Ltd does not accept unauthorised returns, where goods have been correctly supplied against a purchase order.
2. Telephone orders without confirmation paperwork are placed at the distributors risk should a query arise. Sykes-Pickavant Ltd will not be responsible for errors made by distributors when placing telephone orders.
3. Returns for repair / warranty are acceptable – please refer to our guidelines.
4. In instances of incorrect supply, distributors may return goods for full credit, provided the distributor has informed Sykes-Pickavant prior to returning the goods.
5. Distributors must obtain a 'Returned Goods Authorisation' (RGA) from Customer Services, which must be quoted on all return documentation. No products supplied longer than 4 months from invoice date will be considered for return.

Procedure - Distributors

1. The Distributor despatches the approved goods for return, at his own cost with a copy of the completed "Returned Goods Authorisation" document.
2. Sykes-Pickavant receives the goods and processes the appropriate Credit Note (provided the "Returned Goods Authorisation" document is received with the goods).
3. The RGA number must be clearly marked on all paperwork.
4. A 20% handling charge will be applied.
5. Any products returned without an RGA number and appropriate documentation, will be returned to the sender.
6. Provided returned goods meet the original criteria and description agreed on the RGA, an appropriate credit note will be raised.

Procedure – Warranty & Repairs

1. Items being returned under 'Warranty', require a Customer Return for Repair / Warranty form, which can be obtained from Customer Services.
 - a. The reason for the 'Warranty' claim should be clearly identified on the return's documentation.
 - b. A warranty claim should include a copy of the sales invoice to the end user.
 - c. Distributors should refer to the Sykes-Pickavant Warranty Guidelines table below.
 - d. Distributors are reminded that a 'Warranty Claim' is not guaranteed to be accepted, and that all such claims will be closely inspected.
 - e. It is the Policy of Sykes-Pickavant Ltd to repair or replace accepted warranty claims, unless stock of the item is no longer available, in which case a credit note will be raised.
2. Returns for chargeable repair are acceptable at any time, however a Customer Return for Repair form should be sent with the goods, which can be obtained from Customer Services. Many of our products have a standard repair charge.
Estimated repairs which are not subsequently followed through, may be subject to an inspection charge, to cover labour charges.

To register a product for warranty, please visit www.sykes-pickavant.com/product-registration

General Notes:

1. Warranty claims must be directed through the original point of purchase.
2. Warranty applies only with valid proof of purchase from an authorised Sykes-Pickavant distributor.
3. Warranty is against Defective Materials and Workmanship in the manufacturing process, provided the product has been used for the purpose for which it was designed.
4. The customer / distributor is responsible for the return of items to Sykes-Pickavant under warranty claim, for assessment.
5. Goods accepted under a warranty claim will be subject to repair or replacement free of charge, at the discretion of Sykes-Pickavant Ltd.
6. The company reserves the right to accept or reject all warranty claims, based on full and final inspection of the goods as received by the company.
7. The guarantee gives no right to claims for damages or consequential loss, under any circumstances.
8. This list is not exhaustive, please contact Customer Services on 01543 679900 for specific instances.

For the latest new products, updates and applications information visit: www.sykes-pickavant.com. E&OE.



**Sykes-Pickavant Ltd, Unit 4 Cannel Road, Burntwood Business Park, Burntwood,
Staffordshire, WS7 3FU. United Kingdom.
Tel: +44 (0) 1543 679900 Fax: +44 (0) 1543 679901 e-mail: sales@sykes-pickavant.com
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