

# PODGERS & SPANNERS

## A quote from Primo Levi's "The Wrench"

"We are agreed then on the good things we have in common. On the advantage of being able to test yourself, not depending on others in the test, reflecting yourself in your work. On the pleasure of seeing your creature grow, beam after beam, bolt after bolt, solid, necessary, symmetrical, suited to its purpose; and when it's finished you look at it and you think that perhaps it will live longer than you, and perhaps it will be of use to someone you don't know, who doesn't know you. Maybe, as an old man, you'll be able to come back and look at it, and it will seem beautiful, and it doesn't really matter so much that it will seem beautiful only to you, and you can say to yourself 'maybe another man wouldn't have brought it off'."

"The Wrench" is about a rigger called Faussone, a true hero who makes things with his hands.



## Slotted Ratchet Podgers

Coming all the way from Japan, these Podgers feature a unique slot which lets the lanyard slide up along the handle when it is in its holder. This prevents the lanyard from snagging on the holster when it is removed. The slotted shaft is extremely strong. These are genuine Supertool Podgers made in their Japanese factory. Flints also offers these podgers complete with a belt holster and lanyard at a very special price.

## PODGERS



Drilled hole.

Our Podger range is chosen to suit the theatre and entertainment industry where rapid assembly and striking of scenery requires fast efficient tools. We supply most of the theatres in Britain with specialist Japanese-made Ratchet Podgers and Quad Spanners.

**Standard Ratchet Podger** These top quality ratchet podgers are the most useful tool for erecting steel scenery. The pointed end will align the bolt holes while the other end with its reversible ratchet socket will tighten the nuts. These podgers fit two bolt sizes and as there is a clear hole right through the head, the spanner can be slid along studding or long bolts without the head grounding. We also have a range of ratchet podgers with a slot to attach the lanyard. The slot enables the lanyard to slide up the handle when the podger is placed in a belt holster. These tools are absolutely indispensable and very highly recommended.

Always secure your podger with a Lanyard [page 336]. NB: the 10 x 13 mm\* and the 13 x 17 mm\* standard podgers are not drilled for a lanyard attachment, so think about choosing a slotted podger.



| Standard Ratchet Podgers |               | code    | price  | 5+     | 10+    |
|--------------------------|---------------|---------|--------|--------|--------|
| size                     | to fit        |         |        |        |        |
| * 10 x 13 mm             | M6 and M8     | POD1013 | £22.00 | £18.00 | £17.00 |
| * 13 x 17 mm             | M8 and M10    | POD1317 | £23.00 | £19.00 | £18.00 |
| 17 x 19 mm               | M10 and M12   | POD1719 | £25.00 | £20.00 | £19.00 |
| 17 x 21 mm               | M10 and Scaff | POD1721 | £26.00 | £21.00 | £20.00 |
| 19 x 21 mm               | M12 and Scaff | POD1921 | £27.00 | £22.00 | £21.00 |
| 19 x 22 mm               | M12 and M14   | POD1922 | £28.00 | £23.00 | £22.00 |
| 22 x 24 mm               | M14 and M16   | POD2224 | £32.00 | £30.00 | £29.00 |
| 19 x 24 mm               | M12 and M16   | POD1924 | £29.00 | £25.00 | £23.00 |
| 24 x 30 mm               | M16 and M20   | POD2430 | £35.00 | £33.00 | £32.00 |
| 46 x 50 mm               | M30 and M33   | POD4650 | £79.80 | £68.50 | £65.00 |

| Slotted Ratchet Podgers |               | code     | price  | 5+     | 10+    |
|-------------------------|---------------|----------|--------|--------|--------|
| size                    | to fit        |          |        |        | price  |
| 10 x 13 mm              | M6 and M8     | POD1013R | £22.00 | £18.00 | £17.00 |
| 13 x 17 mm              | M8 and M10    | POD1317R | £23.00 | £19.00 | £18.00 |
| 17 x 19 mm              | M10 and M12   | POD1719R | £25.00 | £20.00 | £19.00 |
| 19 x 21 mm              | M12 and scaff | POD1921R | £27.00 | £22.00 | £21.00 |

Why not have a little rest and visit [www.pylonofthemonth.org](http://www.pylonofthemonth.org) – a wonderful website...  
...if you like pylons!



**Slotted Ratchet Podger Sets** The complete kit of a slotted podger, sprung small tool lanyard and podger holder all at great combined price. Hugely popular! For Holder only see page 327.

| Podger+Holder | code         | price if bought separately | Tradeline |
|---------------|--------------|----------------------------|-----------|
| 10 x 13 mm    | PODSET1013RK | £44.45                     | £33.00    |
| 13 x 17 mm    | PODSET1317RK | £44.45                     | £33.00    |
| 17 x 19 mm    | PODSET1719RK | £47.45                     | £34.00    |
| 19 x 21 mm    | PODSET1921RK | £49.49                     | £37.00    |

Always secure your podger with a lanyard. For a wide selection of Small Tool Lanyards go to page 336.

## OH SO CLEVER PODGERS



**Four-Way Podger** Just one tool now fits FOUR bolt sizes! Inside each socket is another sprung socket which will either engage on the bolt or move inwards to reveal a smaller size. As with all our podgers it still has a clear hole right the way through so, unlike conventional sockets, it won't ground out on long studs.

- ✓ M10 [17 mm]
- ✓ M12 [19 mm]
- ✓ 7/16" Scaff fittings [21 mm]
- ✓ M16 [24 mm]



The four-way podger has a chromed finish and a slot for lanyard attachment plus, of course, a podger for alignment of bolt holes.

| Four-Way Podger | code    | price  | Tradeline 5+ |
|-----------------|---------|--------|--------------|
|                 | PODSRF3 | £26.00 | £22.00       |

## TRICKY ACCESS PODGERS



For Unistrut Sockets go to page 323

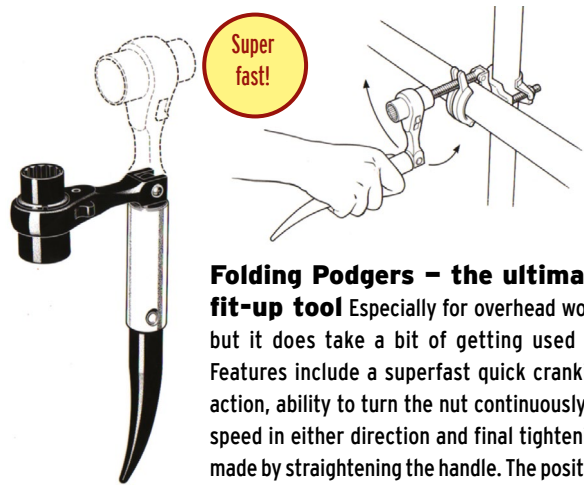
**Long Reach Podgers** These podgers are designed for gaining access into recesses. The wall thickness of the socket is slim so they are particularly useful for working with difficult to access bolts such as bolts recessed into channels. The 17 mm long socket will just about get into a 41 mm slotted Unistrut to tighten M10 bolts but it is a very tight squeeze. The reach of the long sockets are as follows: 17L = 50 mm, 19L = 50 mm, 24L = 60 mm. Long reach podgers are green!

| Long Reach Podgers | fits         |             | code     | price  |
|--------------------|--------------|-------------|----------|--------|
| 13 x 17 mm         | [17 mm long] | M8 and M10  | POD1317L | £25.00 |
| 17 x 19 mm         | [19 mm long] | M10 and M12 | POD1719L | £26.00 |
| 19 x 24 mm         | [24 mm long] | M12 and M16 | POD1924L | £33.00 |

### Uncle Podger tries to hang up a picture

"We would find the hammer for him, and then he would have lost sight of the mark he had made on the wall, where the nail was to go in, and each of us had to get up on the chair, beside him, and see if we could find it; and we would each discover it in a different place, and he would call us all fools, one after another, and tell us to get down. And he would take the rule, and re-measure, and find that he wanted half thirty-one and three-eighths inches from the corner, and would try to do it in his head, and go mad. And we would all try to do it in our heads, and all arrive at different results, and sneer at one another. And in the general row, the original number would be forgotten, and Uncle Podger would have to measure it again". An extract from "Three Men in a Boat" by Jerome K Jerome.

## SPEEDY PODGERS



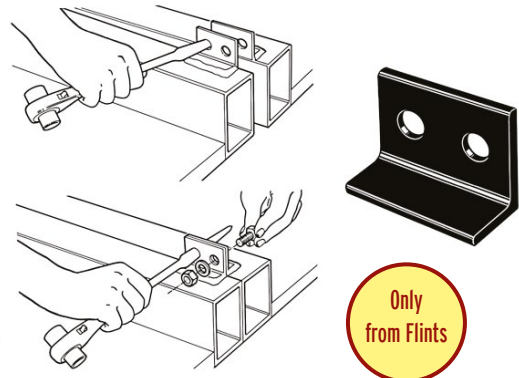
Super fast!

**Folding Podgers – the ultimate fit-up tool** Especially for overhead work, but it does take a bit of getting used to! Features include a superfast quick cranking action, ability to turn the nut continuously at speed in either direction and final tightening made by straightening the handle. The position of the lanyard attachment point prevents it from twisting. The folding feature is excellent

for working in confined spaces but it does prevent this style from being used as a hammer [and we all know that it is tempting to whack a bolt from time to time]. See the Koloss on page 321.

| Folding Podgers |               | code     | price  | 10+    |
|-----------------|---------------|----------|--------|--------|
| 17 x 19 mm      | M10 and 12    | POD1719F | £29.00 | £25.00 |
| 17 x 21 mm      | M10 and Scaff | POD1721F | £29.00 | £25.00 |

## POD GALUGS®



Only from Flints



**Podgalug®** Designed and patented for use with the ratchet podger. Podgalugs® are drilled with two holes, one for the podger to align the lug and the other for the bolt. Using these twin hole lugs will not only dramatically speed up fit-up times but will free up your engineers from lug making when they could be more usefully deployed on other tasks. Supplied self-colour ready to weld. The holes are 12 mm diameter designed for use with 10 mm bolts. They are positioned 22 mm out from the inner flange to provide good clearance for ratchet podgers. They conform to the Royal Opera House Podger Clearance specifications [honest – they exist!]. 'Podgalug®' is a registered Trade Mark of Flints. Podgalugs® are fully covered by Patent No. GB2331343 and are only available from Flint Hire and Supply Ltd.

- ✓ Saves fit-up time
- ✓ Saves your engineers from laborious lug making
- ✓ Accurately punched holes
- ✓ Unique patented device

| Podgalug |           | code   | price  | 10+   | 100+  | Tradeline 1,000+ |
|----------|-----------|--------|--------|-------|-------|------------------|
| length   | made from | weight |        |       |       |                  |
| 60 mm    | 40x40x5   | 153 g  | FHS043 | £0.95 | £0.85 | £0.80            |
| 60 mm    | 40x25x4   | 126 g  | FHS044 | £0.95 | £0.85 | £0.80            |

## CURVED PODGERS



**Curved Podgers** A slightly shorter podger with a curved end. Some people prefer the short length as it is less likely to snag when stored in a belt holster. Available in alloy and steel. Definitely consider these lightweight alloy podgers if you work frequently at height – they will save you carting 160 g up that ladder.

| Curved Alloy Podgers     | weight | code      | price  |
|--------------------------|--------|-----------|--------|
| 17 x 19 mm M10 and M12   | 230 g  | POD1719CA | £28.00 |
| 19 x 21 mm M12 and Scaff | 230 g  | POD1921CA | £28.00 |

| Curved Steel Podgers     | weight | code      | price  |
|--------------------------|--------|-----------|--------|
| 17 x 19 mm M10 and M12   | 390 g  | POD1719CS | £23.00 |
| 19 x 21 mm M12 and Scaff | 390 g  | POD1921CS | £23.00 |

## 1/2" DRIVE PODGERS



**1/2" Drive Ratchet Podger** Drop forged in select alloy steel with continuous taper handle for aligning bolt holes. Made by Klein Tools. Serious piece of kit. For Klein Bull Pins look at page 328.

| 1/2" Drive Ratchet Podger | code    | price  |
|---------------------------|---------|--------|
| 380 mm long               | TOL3238 | £84.00 |

## ADJUSTABLE HEAD PODGERS



**Adjustable Head Podger** Versatile wrench fits all nuts and bolts to 38 mm. Eliminates the need for carrying several fixed-size spanners. Drop forged from select alloy steel with continuous taper handle. 380 mm long.

| Adjustable Head Podger | code    | price  |
|------------------------|---------|--------|
| 380 mm long            | TOL3239 | £75.60 |

## SPANNERS

### SCAFFOLD SPANNERS



Supertool 21 mm

**Scaffold Spanners** Traditional scaffolding spanners in two sizes. 7/16" is the most common UK size for scaffolding fittings. And you won't find the 1/2" in many places. The chrome Supertool 21 mm has a textured grip and the rounded off socket edges prevent nipped fingers.

| Scaffold Spanners                           | code      | price  |
|---|-----------|--------|
| Whitworth 1/2" [RARE!]                      | TOL1530   | £9.20  |
| Whitworth 7/16" [thread size for 21 mm nut] | TOL1531   | £9.20  |
| Supertool 21 mm                             | TOLSOSW21 | £15.00 |

## QUAD SPANNERS



Lanyard is not supplied. See page 336.

**Quad Spanner** Another of Flints best-sellers brought in from Japan. These are probably the most popular tool found backstage. This reversible ratchet spanner fits M8, M10, M12, and Scaff, covering all the sizes normally found on stage. The usual superb

Japanese tool quality ensures reliable long life. Stainless steel body. Two new sizes now available! The smallest one is perfect for a keychain.

- ✓ The most popular backstage spanner!
- ✓ Just one tool covers virtually every task
- ✓ Reliable quality for a lifetime of use
- ✓ Drilled for a lanyard
- ✓ Very easy to buy online with special cheap carriage rates
- ✓ Can be attached to a belt by means of the Caritool [page 321]
- ✓ New large size for M12, M14, M16 and scaffolding

| Quad Spanner         | code     | Tradeline |        |
|----------------------|----------|-----------|--------|
| 5.5, 7, 6 and 8 mm   | PODQUAD1 | £20.00    |        |
| 8, 10, 12 and 13 mm  | PODQUAD3 | £22.00    |        |
| 13, 17, 19 and 21 mm | PODQUAD  | £24.50    |        |
| Large Quad Spanner   | code     | price     | 10+    |
| 19, 21, 22 and 24 mm | PODQUADL | £34.60    | £29.95 |



**4-in-1 Ratchet Spanner** Made from Chrome Vanadium steel which is then chrome-plated for protection against corrosion. This well constructed spanner has a 10-year guarantee. The 10 x 13 x 17 x 19 sockets fit the most common bolts found on stage [M6, M8, M10 and M12]. Not drilled for a lanyard. Length: 229 mm. Weight: 282 g.

| 4 in 1 Spanner       | code    | price  | 10+    |
|----------------------|---------|--------|--------|
| 10, 13, 17 and 19 mm | POD4IN1 | £19.00 | £17.00 |

## COMBINATION SPANNERS



**Bahco Combination Spanners** Chrome plated high performance alloy steel combination spanners from Bahco. 12 Point drive on ring end aid longer service life of bolts. Why not treat your self to the whole range and a Klein Zipper Bag to put them in, just a thought. Conforms to: ISO 691, ISO 7738, ISO 3318, ISO 1711-1 and DIN 3113

| Bahco Combination Spanners | code    | list   | price  |
|----------------------------|---------|--------|--------|
| size to fit                |         |        |        |
| 10 mm M6                   | BAHCM10 | £8.91  | £7.57  |
| 13 mm M8                   | BAHCM13 | £10.10 | £8.59  |
| 17 mm M10                  | BAHCM17 | £12.34 | £10.49 |
| 19 mm M12                  | BAHCM19 | £14.37 | £12.21 |
| 21 mm Scaffolding          | BAHCM21 | £17.50 | £14.88 |

| Bahco Combination Spanner Kits   | code      | list   | Tradeline |
|----------------------------------|-----------|--------|-----------|
| 10, 13, 17 and 19 mm             | BAHCOMB4K | £45.72 | £36.58    |
| 10, 13, 17, 19 and 21 mm         | BAHCOMB5K | £63.22 | £50.58    |
| Klein Bag to store your spanners | BBP5139   |        | £14.30    |

**For a large range of Klein Tool Bags see pages 325 - 328.**

## ADJUSTABLE SPANNERS



**Bahco Adjustable Spanners** Invented by Bahco in 1891 these Swedish spanners exceed ISI specifications and will withstand high torque loads and continuous heavy work. We can actually order spare parts for these AJs but in the last 30 years no one has asked for any! The 8" Bahco is pretty much an essential tool backstage for both electricians and stage crew. Still the best.

| Bahco Adjustable Spanners |          | code    | list   | price  |
|---------------------------|----------|---------|--------|--------|
| size                      | capacity |         |        |        |
| 6"                        | 20 mm    | BAH8070 | £35.31 | £29.00 |
| 8"                        | 27 mm    | BAH8071 | £38.45 | £31.64 |
| 10"                       | 30 mm    | BAH8072 | £49.82 | £41.00 |
| 12"                       | 34 mm    | BAH8073 | £72.55 | £59.68 |



Our best-selling AJ

**Bahco Wide Opening AJ** This popular adjustable spanner has a very wide jaw capacity of 38 mm yet still has the 8" [200 mm] handle enabling wide nuts to be accessed in awkward positions. No wonder it is our best-selling adjustable spanner.

| Wide Opening Spanners |          | code    | list   | price  |
|-----------------------|----------|---------|--------|--------|
| size                  | capacity |         |        |        |
| 8"                    | 38 mm    | BAH9031 | £47.34 | £38.16 |



**Stanley MaxSteel Adjustable Spanners** These have a narrow head design for limited space applications and are laser-marked with a metric jaw scale for easy fastener sizing. The forged alloy-steel body increases strength, with the extra-wide jaw capacity opening wider than standard adjustable wrenches. They have a bi-material handle for a comfortable grip.

| Stanley Adjustable Spanners |        |          | code      | list   | price  |
|-----------------------------|--------|----------|-----------|--------|--------|
| size                        | metric | capacity |           |        |        |
| 6"                          | 150 mm | 24 mm    | STA090947 | £11.75 | £9.96  |
| 8"                          | 200 mm | 29 mm    | STA090948 | £14.71 | £12.48 |
| 10"                         | 250 mm | 33 mm    | STA090949 | £17.61 | £14.93 |
| 12"                         | 300 mm | 39 mm    | STA090950 | £22.02 | £18.68 |

For Vice Grips see page 307.

**For the Caritool see page 321.**

## LIGHTING TECHNICIAN'S TOOLS



**Dirty Rigger Multi-Tool** 14 tools in one hand - so simple yet it's indispensable. Cut from 4 mm hardened steel it's one of the toughest multi-tools of its kind on the market. 14 separate tools remain instantly available, with every one designed around some of the most common needs in the professional rigging industry. Finished in a durable matt black powder coat and, of course, it has got a bottle opener too.

- ✓ 18 mm (M10), 20 mm (M12), 24 mm (M14) nut tools
- ✓ 3/8", 1/2", 3/4" nut tools ✓ 2 x Wire Strippers ✓ 7 mm (M6) square nut tool ✓ Wingnut tool ✓ 4 mm and 6 mm eyelets ✓ Barndoor tool ✓ Bottle opener

| Dirty Rigger Multi-Tool | code    | price  |
|-------------------------|---------|--------|
|                         | TOLDRMT | £17.10 |



**StageJunk Ultimate Flat Tool** A simpler tool for Lighting Technicians but still packed with features. Made from 6 mm carbon steel. ✓ 3/4", 19 mm [M12] for C-clamps, couplers, star knobs on ETCs, Lekos etc. ✓ 17 mm [M10] ✓ 1/2" C-clamp ✓ 7/8" for scaffold clamps ✓ Lanyard hole ✓ 9/16" Yoke bolts ✓ Bottle opener! ✓ 3/8" Older swivel focus nut on C-clamp ✓ 5/16" Newer swivel focus on C-clamp ✓ Larger opening for larger shackles and fat wing nuts ✓ Long narrow slot for smaller shackles and regular wing nuts ✓ Super slim, just slips into your pocket

| StageJunk Ultimate Flat Tool | code    | price  |
|------------------------------|---------|--------|
| Ultimate Flat Tool [Black]   | TOLUFTB | £24.68 |



**StageJunk Mini Tool** ✓ 3/4" and 19 mm [M12] for C-clamps and star knobs on ETCs, Lekos etc. ✓ 3/8" ETC Source ✓ smaller yoke handle ✓ 3/8" Older swivel focus nut on C-clamp ✓ Bottle opener!

| StageJunk Mini Flat Tool | code        | price  |
|--------------------------|-------------|--------|
| Carbon Steel             | TOLUFTBMINI | £10.95 |



**Wing Bolt Spanner** A popular laser cut piece of plated steel with holes profiled for large and small wing nuts plus 17 and 19 mm hex nuts. Go to page 349 for more Electrician's Tools.

| Wing Bolt Spanners | code   | Tradeline price |
|--------------------|--------|-----------------|
|                    | TOLWBS | £17.95          |

## CARITOOOL



**Caritool** A home for your spanner [or Spatha Knife see page 316]. This well engineered belt clip will firmly secure to your belt. The wide profile ensures the clip remains at right angles and is always quickly accessible. Designed as an accessory karabiner to take tools up to 5 kg, or 15 kg for the large version. Not PPE.

- ✓ Fantastically useful ✓ Economical
- ✓ Lightweight, just 35 g [large 75 g]
- ✓ Neatly clips through the Quad Spanner
- ✓ Designed for one-handed use

| Caritool           | max load | wt   | code     | price  |
|--------------------|----------|------|----------|--------|
| Standard Version   | 5 kg     | 35 g | PETP042S | £5.20  |
| Heavy-duty Version | 15 kg    | 75 g | PETP042L | £12.20 |

## RATCHET DRIVERS



**Stanley Ratchet Handle 72 Tooth 1/2" Drive 1/2"** Drive Ratchet handle from Stanley with a fully polished chrome head and rubberised handle for a comfortable grip. Quick release button on head enable quick socket changes and low profile lever switch prevents you accidentally switching from righty tighty to lefty loosey.



| Stanley Ratchet Handle | code      | list   | Tradeline |
|------------------------|-----------|--------|-----------|
| 1/2" Drive             | STA082665 | £25.56 | £21.73    |

## ROTARY RATCHETS



Just rotate the handle when tight for space!

**Proxxon Rotary Ratchets** This ratchet works like any other ratchet but with a unique extra feature. You know the situation, you can get your socket on the nut but there's hardly any room to ratchet the handle. That's not a problem any more - just twist the handle to drive the socket until the nut is home then give it a little tweak to harden up. Magic! If there's no room even for the tweak then use the 1/4" drive socket on the end of the handle to apply torque via the twisting handle.

### Flints Special Offer

✓ A 3/8" driver with 6 sockets [9, 10, 13, 17, 19, and 21 mm] all in a Klein Canvas Zipper bag - a truly wonderful gift. Worth £81.99 list.

| Proxxon Rotary Ratchets               | code       | list   | price  |
|---------------------------------------|------------|--------|--------|
| 3/8" Rotary Ratchet Drive             | TOL701467  | £39.53 | £35.48 |
| 3/8" Drive plus sockets in zipper bag | TOL23038ZK | £81.99 | £63.33 |

## RATCHET HANDLE



**Supertool TRH 3/8" Ratchet Handle** Weighs just 230 g! A useful light and compact reversible ratchet handle. Width: 120 mm. Height: 63.5 mm high.

| Supertool TRH 3/8" Ratchet Handle | code    | price  |
|-----------------------------------|---------|--------|
|                                   | TOLTRH3 | £23.50 |

## SWIVEL HEAD RATCHET



Much quicker than a fixed ratchet

**Zyklop 3/8" Swivelling Head Ratchet** This new swivelling head ratchet has defined lock positions at 0°, 15°, 90° right and left. Push button release. Fine-pitched tooth design, with small return angle of 5° - 6°. Can be used as a conventional screwdriver at 0°.

- ✓ With the head locked straight ahead the nut can be rapidly spun down the thread, then just click to a comfortable ratchet position to finally tighten up
- ✓ A real time saver

| Zyklop Swivelling Head Ratchet | code      | list   | price  |
|--------------------------------|-----------|--------|--------|
|                                | WER003550 | £79.24 | £56.45 |

## RATCHET HAMMER WITH PODGER PIN

Mega tough!



**Koloss Ratchet Hammer 1/2" Square Drive** No more damaged ratchet handles from being used as a hammer. The world's first hammer and ratchet in one. You won't bust this one! Immensely powerful allowing handle extension for a massive increase in leverage - up to 600 Nm! High quality drop forged hammer head houses the fine 6° ratchet for working in confined spaces.

- ✓ It's not cheap but this tool will last you a lifetime
- ✓ Three tools in one - ratchet, hammer and podger
- ✓ Delivers up to 600 Nm of torque!
- ✓ Thermoplastic attachments available for striking faces to protect materials

| Koloss Ratchet Hammer         | code       | list    | price   |
|-------------------------------|------------|---------|---------|
| Ratchet plus holster and pads | WER073232  | £111.92 | £89.50  |
| Extension handle              | WER08780   | £31.35  | £25.08  |
| Set of protective pads        | WER03697   | £8.64   | £6.92   |
| Centring Pin [podger]         | WER03696   | £26.55  | £20.18  |
| Complete Set                  | WER073232K | £156.04 | £120.85 |

## RATCHET ALLEN KEY



**Ratchet Allen Key** To speed up key clamp constructions for the professional user, Flints has chosen this good quality 3/8" drive Teng ratchet handle which will take 1/4" and 5/16" hex sockets. Fits Size 6 and Size 8 key clamp fittings. We sell the handle well below the list price of £40.70.

| Ratchet Allen Key                          | code       | list   | price  |
|--|------------|--------|--------|
| 3/8" Ratchet Handle [fibre reinforced]     | TEN3800FRP | £40.70 | £31.78 |
| Drive Peg 1/4" [Size 6] (fits 3/8" drive)  | TOL2360B   |        | £7.80  |
| Drive Peg 5/16" [Size 8] (fits 3/8" drive) | TOL2361B   |        | £7.90  |



**Wera 8001A Bit Ratchet** is an ideal choice when lack of space prevents the use of power tools or conventional tools. The ergonomic ratchet head/handle with Kraftform geometry has perfectly shaped contact zones for your fingers. The compact tool design with an integrated bit holder in the ratchet head allows for very low working heights. It is supplied with the Wera Adaptor 870/1 for use with 1/4" drive sockets. The fine-tooth ratchet mechanism with its small return angle of only 6° forward and its reverse switch allows for accurate work with the torque possible exceeding 65 Nm. It is incredibly robust with a drop forged all-steel design. Ideal for servicing and maintenance of small stage machinery.

| Wera 8001A Bit Ratchet | code      | list   | price  |
|------------------------|-----------|--------|--------|
|                        | WERA8001A | £42.13 | £30.05 |

## SOCKET SETS

Tradeline



### 1/4" Drive Socket Set – Teng Mecca Rosso

Popular and compact 23-piece set built in accordance to ISO 9000 and AS945. The drive has an 80 action. Supplied in a case with: Sockets: 4, 5, 5.5, 6, 7, 8, 10, 12, 13 mm. Bits: slotted 4, 5.5 mm; Phillips PH1, PH2; hex 5, 6 mm; Torx T15, T20.

Ratchet includes hanging ring, extension bar, universal joint and bit holder.

| Teng Mecca Rosso | code     | list   | Tradeline |
|------------------|----------|--------|-----------|
| 23-piece set     | TENT1424 | £54.80 | £38.91    |



**Bahco S460 46 piece Metric 1/4" Drive Socket Set** This incredibly good value socket set features Dynamic Drive™ sockets to reduce damage and wear to the fastener. The Ratchet drive features a quick release socket button. All the sockets are made from higher performance alloy steel. Conformity: ISO1174, DIN3120.

Supplied in a strong high-density-polythene case with:  
 12 x 1/4" hex sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 mm, 1 x 1/4" ratchet quick release, 60 teeth/ 6° action angle, 4 x 1/4" socket drivers: PH 1, 2, 3, 4, 3 x 1/4" socket drivers: slotted 4, 5.5, 7 mm, 6 x 1/4" socket drivers: Hex 3, 4, 5, 6, 8, 10 mm, 7 x 1/4" socket drivers: T 8, 10, 15, 20, 25, 27, 30, 3 x 1/4" TORX® Sockets: E 6, 7, 8, 1 x 1/4" spinner disc, 2 x 1/4" extension bars 2" & 4", 1 x 1/4" sliding T-bar, 1 x 1/4" universal joint, 1 x 1/4" spinner with two component handle, 1 x 1/4" flexible extension bar 6", 3 x L-Keys: Hex 1.5, 2, 2.5 mm, 3 x removable three section plastic box with lid.

| 46 Piece Bahco Socket Set | code    | list    | price   |
|---------------------------|---------|---------|---------|
| 46-piece set              | BAHS460 | £203.26 | £120.70 |



Just 100 x 80 mm!

### Bahco 26-piece 1/4" Bit Set

Supplied in a case just 100 x 80 mm: Bits: slotted 4, 5, 6 mm; Phillips PH1, PH2, PH3; Pozidriv PZ1, PZ2, PZ3; Torx T10, T15, T20, T25, T30; hex 3, 4, 5, 6. Sockets: 6, 7, 8, 10, 13 mm. 1/4" bit ratchet; 1/4" adaptor.

| Bahco 1/4" Bit Set | code       | list   | Tradeline |
|--------------------|------------|--------|-----------|
| 26-piece set       | BAH2058S26 | £51.65 | £39.95    |

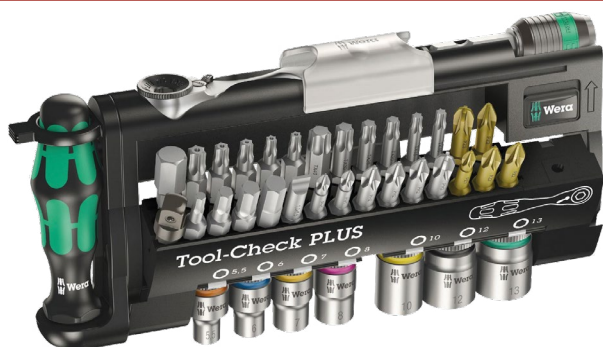


### 34-Piece Bahco 1/4" and 3/8" Drive Socket Set

With dynamic drive profile. Matt chrome-plated chrome vanadium steel  
 Supplied in an oil and temperature resistant plastic case with: 3/8" 6-point dynamic drive sockets: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22 mm; 3/8" 3" and 6" extension bars; 3/8" universal joint; 3/8" x 1/4" bit holder; 3/8" 6-point 16 mm [5/8"] and 21 mm [13/16"] spark plug sockets; 1/4" spinner handle; 1/4" x 1/4" bit holder. Bits: 1/4" flat 4, 5.5, 7 mm; 1/4" Phillips PH1, PH2, PH3, PH4; 1/4" hex 3, 4, 5, 6, 7, 8 mm; 3/8" 54-teeth ratchet handle. Conformity: DIN 3120 ISO 1174.

| Bahco 34 piece Socket Set | code    | list    | Tradeline |
|---------------------------|---------|---------|-----------|
| 1/4" and 3/8" Socket Set  | BAHS330 | £142.26 | £77.50    |

## WERA SOCKET SETS



**Wera Tool Check Plus** This very compact and portable hard-cased set features a huge selection of 25 mm bits, Zyklop sockets, adaptors, and handles in a minimum of space that are perfect for a whole host of screwdriving applications. As well as adding to the stylish look of this set, the colour coded sockets make it simple to quickly access the required tool. The Zyklop ratchet is great for confined working conditions as it's just 87 mm in length with a small return angle of 6°. Can be clipped on to your belt so you always have it to hand.

□ Supplied in a very compact case with: 8001 A Zyklop Mini 1 Bit Ratchet [87 mm], 813 Bitholding Screwdriver Handle. Sockets: 1/4" 8790 HMA Zyklop Sockets: 5.5, 6, 7, 8, 10, 12, 13mm. 25 mm Bits: TZ Phillips PH1 [x2], PH2 [x3], PH3; TZ Pozidriv PZ1, PZ2 [x3], PZ3; TZ Torx® TX10, TX15, TX20, TX25, TX30, TX40; Tamperproof Torx® TX10, TX15, TX20, TX25, TX30; Z Hex-Plus 3, 4, 5, 6, 8mm; TZ Slotted Bit 1.0 x 5.5 mm. Accessories: 1/4" 889/4/1 K Rapidaptor Universal Bit Holder; 1/4" 870/1 Adaptor [25 mm].

| Tool Check Plus | code      | list    | Tradeline |
|-----------------|-----------|---------|-----------|
| 39-piece set    | WER056490 | £105.92 | £71.45    |

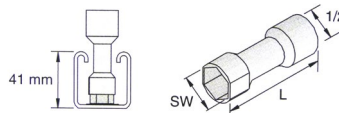


**Wera Zyklop Socket Set Belt** Another smart design from Wera. This robust textile belt with nine sockets takes up minimal space. A smooth 'twist to unlock' mechanism ensures a secure fit and simple removal of the sockets. The colour coded sockets enables the right tool to be selected easily and quickly. Includes a snap hook for secure fastening to a belt loop or pocket. Sockets with holding function for particularly convenient screwdriving with reduced risk of losing the screw when approaching the workpiece. Supplied with a non-woven reverse side and hook and loop strips for simple attachment to a wall, shelf or tool trolley.

CONTENTS: Belt A1: Belt 39 mm x 238 mm; Sockets [23 mm]: 14, 4.5, 5, 5.5, 6, 7, 8, 10, 13 mm. Belt B1: Belt 45 mm x 310 mm; Sockets [29 mm]: 8, 10, 12, 13, 15, 16, 17, 18, 19 mm.

| Belt Socket Set | drive | code       | list   | price  |
|-----------------|-------|------------|--------|--------|
| Belt A1         | 1/4"  | WER0500388 | £61.68 | £43.95 |
| Belt B1         | 3/8"  | WER0500397 | £73.81 | £52.59 |

## UNISTRUT SOCKETS



### Unistrut Sockets

They are a bit pricey but they could make your life a lot easier. Our Long Reach 13 x 17 podger [page 318] does get inside the channel but it scrapes on the side. These sockets have a reduced waist especially designed for an easy fit in 41 mm Unistrut Channel. M10 [17 mm] socket with 1/2" drive. For Unistrut see page 240. Maximum torque: 30 Nm. Weight: 130 g.

| Unistrut Socket  | code    | price  |
|------------------|---------|--------|
| M10 x 1/2" Drive | TOL17AF | £35.00 |

## SOCKET DRIVE ADAPTORS



### Socket Drive Adaptors

You would have thought that you could buy such handy devices anywhere, but we spent years tracking these down. The pack contains three adaptors allowing you to connect a 1/4" 3/8" or 1/2" socket to your cordless drill. We buy them in bulk and they are selling like hot cakes!

| Socket Drive Adaptors | code    | price |
|-----------------------|---------|-------|
| Set of 3              | TOL1571 | £4.50 |

## SOCKETS IMPERIAL



**Imperial Sockets** We stock these sockets primarily so that the Crosby Wire Rope Grips can be correctly tightened using the Torque Wrenches listed on page 174. Life can be oh so complicated!

| Imperial Sockets fits drive | fits Crosby dog | code       | price |
|-----------------------------|-----------------|------------|-------|
| 3/8" 1/4"                   | 3 - 4 mm        | TENM140112 | £4.20 |
| 7/16" 1/4"                  | 5 mm            | TENM140114 | £4.20 |
| 9/16" 1/2"                  | 6 - 7 mm        | TENM120118 | £6.10 |
| 11/16" 1/2"                 | 8 mm            | TENM120122 | £7.40 |
| 3/4" 1/2"                   | 10 mm           | TENM120124 | £7.40 |

## SOCKETS METRIC

1/2" are 12 point sockets.



3/8" drive are 6 point sockets.



### 1/2" and 3/8" Drive Metric Sockets

Produced in accordance with ISO 9000 and AS954 to increase torque and reduce the risk of rounding fasteners. Made from chrome vanadium steel with a satin finish.

If you are using a 1/4" drive use the 1/4" to 3/8" male convertor .

| Metric Sockets                     | fits        | code 1/2"  | price  | code 3/8"     | price  |
|------------------------------------|-------------|------------|--------|---------------|--------|
| 9 mm                               | M5          | to order   |        | TENM380509    | £4.70  |
| 10 mm                              | M6          | TENM120510 | £6.00  | TENM380510    | £4.90  |
| 13 mm                              | M8          | TENM120513 | £6.20  | TENM380513    | £4.90  |
| 17 mm                              | M10         | TENM120517 | £7.00  | TENM380517    | £5.50  |
| 17 mm Deep                         | M10         | TENM120617 | £12.90 | TENM380617    | £9.40  |
| 19 mm                              | M12         | TENM120519 | £7.00  | TENM380519    | £5.80  |
| 19 mm Deep                         | M12         | TENM120619 | £13.20 | TENM380619    | £10.20 |
| 21 mm                              | Scaff 7/16" | TENM120521 | £7.80  | TENM380521    | £6.41  |
| 22 mm                              | M14         | TENM120522 | £8.10  | to order      |        |
| 24 mm                              | M16         | TENM120524 | £9.60  | not available |        |
| Convertor 1/4" female to 3/8" male |             |            |        | TENM140036    | £4.20  |

## 1/2" DRIVE HEX BITS



**1/2" Drive Hex Bit Socket** Allows an 8 mm or 1/4" hex drive to be used with your 1/2" drive ratchet handle.

| Hex Size | drive size | fits             | code        | price  |
|----------|------------|------------------|-------------|--------|
| 8 mm     | 1/2"       | Size 8 key clamp | TENM121508C | £8.50  |
| 1/4"     | 1/2"       | Size 6 key clamp | STW54A14    | £14.85 |

## IMPACT SOCKETS



**Hikoki 41-Piece Impact Socket and Bit Set** The ideal companion for the Makita Drill & Driver set [page 280].

□ Supplied in a tough case with: 10 x 1/2" drive impact sockets for use in impact drivers: 8, 10, 11, 12, 13, 14, 17, 19, 21, 22 mm. 28 x 25 mm Driver bits for use in impact drivers: Phillips PH1, PH2, PH3; Pozidriv PZ1, PZ2, PZ3; slotted 3, 4, 5, 6 mm; hex 3, 4, 5, 6 mm; Torx T10, T15, T20, T25, T27, T30, T40; Tamper Torx TH10, TH15, TH20, TH25, TH27, TH30, TH40. 1 x 1/2" square to 1/4" hex adapter [allows impact wrench to be used as a driver and vice versa]. 1 x 75 mm 1/2" hex socket adapter. 1 x 60 mm stainless 1/4" quick change bit holder.

NB: Please check capacity of machine before using some of the larger size sockets.

| Hikoki Impact Socket & Bit Set | code      | list   | Tradeline |
|--------------------------------|-----------|--------|-----------|
|                                | POW752500 | £48.75 | £41.95    |



**Teng 1/2" Drive Deep Impact Sockets** To use with power tools and air tools. Manufactured from chrome molybdenum to a DIN standard. Length: 78 mm.

| Teng 1/2" Drive Deep Impact Sockets | code      | price  |
|-------------------------------------|-----------|--------|
| 13 mm                               | TEN920613 | £12.80 |
| 17 mm                               | TEN920617 | £12.50 |
| 19 mm                               | TEN920619 | £12.50 |
| 21 mm                               | TEN920621 | £13.10 |

## TAPS & DIES



**CK Tap and Die Set [includes wrenches]** A good value 21-piece tap and die set covering sizes from M3 to M12. This set includes stocks and wrenches plus a screwdriver.

A handy set covering most sizes to get you out of trouble on tour.

| Tap and Die Set | code     | price  |
|-----------------|----------|--------|
|                 | TOLT4032 | £62.78 |



**Die Stock** The 1" stock fits our 6 mm to 12 mm dies. See below for conduit stocks.

| Die Stock | code    | price |
|-----------|---------|-------|
| 1"        | TOL1211 | £5.40 |



**Dies** All 1" diameter dies to fit our die stocks.

| Thread size | code    | price |
|-------------|---------|-------|
| M6 x 1"     | TOL1223 | £4.75 |
| M8 x 1.25"  | TOL1224 | £4.75 |
| M10 x 1.5"  | TOL1225 | £4.75 |
| M12 x 1.75" | TOL1226 | £4.75 |



**Tap Wrench** Fits 1 mm to 12 mm taps [3/16" to 1/2"]

| Tap Wrench | code    | price |
|------------|---------|-------|
|            | TOL1206 | £5.25 |

**Taps** Sold as sets of three [one taper, one second and one bottoming].



| Size | code     | price  |
|------|----------|--------|
| M5   | TOL1222T | £8.56  |
| M6   | TOL1223T | £8.56  |
| M8   | TOL1224T | £11.25 |
| M10  | TOL1225T | £12.65 |
| M12  | TOL1226T | £14.89 |



**Two Arm Conduit Die Holder**

A simple set complete with a 20 mm and 25 mm die. This is a very economical solution where access is good.

20 mm and 25 mm conduit die set

**7-Piece Ratchet Set** Suitable for threading black-gas or galvanized iron pipes. The compact ratchet head is suitable for working close to walls etc. The cast iron die heads have alloy steel dies, four chasers per head for a clean accurate thread and four waste holes for quick dispersion of swarf.



7-piece ratchet conduit die set

□ Supplied in a blow mould carrying case with: 16, 20, 25 and 32 mm die heads, two-piece handle, compact ratchet head.

For Conduit and Threading Service see page 233.

| Conduit Die Sets                | code       | list    | Tradeline |
|---------------------------------|------------|---------|-----------|
| 7-piece ratchet conduit die set | TOL22496   | £166.50 | £120.72   |
| 20 mm and 25 mm conduit die set | SCFESCO    |         | £29.95    |
| Disposable de-burring tool      | TOLMON3020 |         | £7.02     |