



# Park Tool®

2020

Park Tool

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# Park Tool Web Site

*Considered by many to be the most useful site in the bicycle industry*



**Detailed Product Information**

**Dealer Locator for Products and Programs**

**Extensive Repair Help Library and Videos**

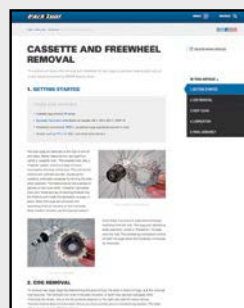
**Complete Mobile Site**

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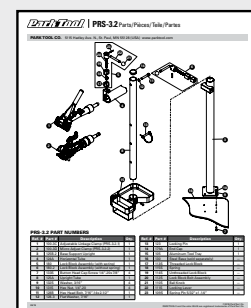
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- Up to date specs and photos of our entire product line
- Exploded view drawings and part numbers for most Park Tool products
- Downloadable versions of this catalog in French, German, Spanish, Japanese, Italian, Chinese and English
- Over 125 detailed, printable instructions and photos for almost any bicycle maintenance task or repair
- Dealer locator with special Park Tool School references and links
- Recommended tool lists for mechanics of various levels of expertise

[www.parktool.com](http://www.parktool.com)



Easy to use, in depth repair help section with videos



Expanded product diagrams make finding replacement parts easy



@parktool



facebook.com/parktool



youtube.com/parktool



@parktoolblue





# Our Story

Born in the back of a bike shop in Saint Paul, Minnesota in 1963, Park Tool has grown to be the world's largest bicycle tool manufacturer. We have never forgotten our roots and are proud to be the tool brand of choice for both home and shop mechanics around the world.

Making bicycle tools is our only job. We design, engineer, manufacture, assemble, package and ship more than 500 tools from our factory just miles from the bike shop where it all started. From our first product, the PRS-1 Bicycle Repair Stand, to our latest, we continue to build high quality tools that save time, save money and simply help to get the job done right, every time. Moving forward, we endeavor to remain in the forefront of bicycle technology, developing and refining the tools of the trade.

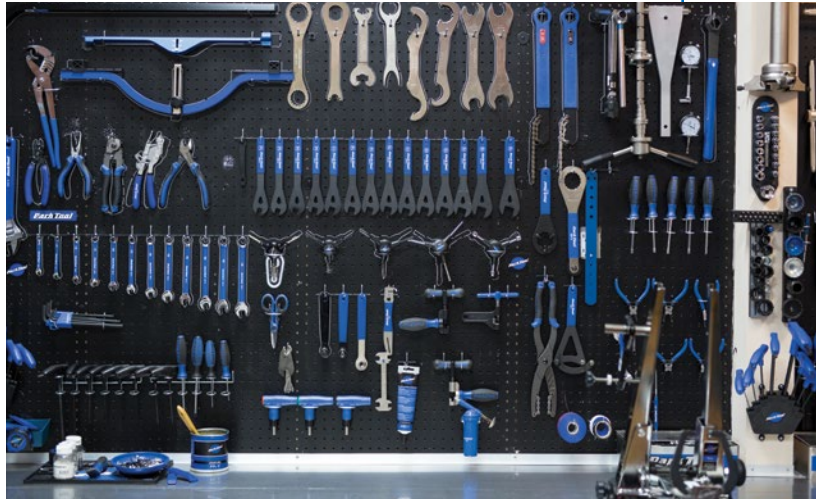
In addition to superior tools, our commitment to education is unwavering and without equal. From our high-quality video content, to the free repair help section on our website and our Big Blue Book of Bicycle Repair, we are the recognized and trusted go-to source for bicycle repair information.

For those that get as much satisfaction out of building, fixing and maintaining a bicycle as tearing up the road, gravel, track or trail, we thank you for your loyalty. Here is to another 55 years!

It's a great day to fix a bike!

A handwritten signature in blue ink that reads "Eric Hawkins".

Eric Hawkins  
President/Chief Mechanic



***The rest of the story... John 1:12***

*<sup>12</sup> Yet to all who received Him, to those who believed in His name, He gave the right to become children of God.*

## Park Tool Limited Lifetime Warranty

For complete Park Tool Warranty details please visit our website: [parktool.com/warranty](http://parktool.com/warranty)

100-3C Clamp



100-3D Clamp



TOOL TRAY INCLUDED

Adjustable from 50 to 62 inches (127cm-158cm)

A

22.5" x 35" (571.5mm x 889mm)



TOOL TRAY INCLUDED

Adjustable from 50 to 62 inches (127cm-158cm)

B

22.5" x 22.5" (571.5mm x 571.5mm)



D

C

94" height (238 cm) with base and accessory bar (not using accessory bar will reduce height by 2-3/4")

Bases sold separately



## A PRS-2.2 Deluxe Double Arm Repair Stand

The standard of the bike industry, the PRS-2.2 clamps two bikes and rotates horizontally 360 degrees, allowing one bike to be swung out of the way to work on another. Built from heavy gauge oversized steel tubing, then chrome plated for years of carefree use.

- Easily height adjustable to five positions from 50" to 62" (128cm-158cm) utilizing our proven Lock Block System and a locking pin
- The maximum weight holding capacity of the PRS-2.2 is 120 lb (54 kg)
- Includes #105 cast aluminum work tray

### Choice of two different clamping systems:

**PRS-2.2-1:** Includes two 100-3C Adjustable Linkage Clamps

**PRS-2.2-2:** Includes two 100-3D Micro-Adjust Clamps (pictured)

#135: 115 pound (52kg) steel plate base (sold separately)

FP-2: Floor Mounting Plate 8" x 8" (20 x 20cm) to mount stand directly to floor

## B PRS-3.2 Deluxe Single Arm Repair Stand

Built to withstand the rigors of everyday shop use, PRS-3.2 is the stand of choice for professional mechanics around the world.

- Easily height adjustable from 50" to 62" (128-158cm) utilizing our proven Lock Block System
- The maximum weight holding capacity of the PRS-3.2 is 120 lb (54 kg)
- Includes #105 cast aluminum work tray

### Choice of two different clamping systems:

**PRS-3.2-1:** Includes 100-3C Adjustable Linkage Clamp

**PRS-3.2-2:** Includes 100-3D Micro-Adjust Clamp (pictured)

#130: 65 pound (29.5kg) steel plate base (sold separately)

FP-2: Floor Mounting Plate 8" x 8" (20 x 20cm) to mount stand directly to floor

## NEW

## C PRS-33.2 Power Lift Shop Stand

The biggest, strongest, stiffest, most versatile repair stand ever built. We created the PRS-33.2 with professional mechanics in mind, blending a massive upright with the ease and convenience of a powered lift. The size and strength ensures a super rigid workstation able to go higher than ever before and the power lift allows effortless height adjustment for any bike up to 120 pounds (54kg). Perfect for lifting heavy electric bikes or for mechanics with lifting limitations, but also great for easy height changes during a repair or set up. Updated with bigger control buttons, integrated USB ports, larger hanging hooks and the addition of the PRS-33TT Tool Tray. The PRS-33.2 is a single arm stand but can be made into a double arm stand, each independently operated, with the addition of part number PRS-33.2 AOK.

- Adjustable height from 9" to 78" (23cm-198cm)
- Storage and lube tray with integrated, powered USB ports
- PRS-33TT, height adjustable Tool Tray included
- Integrated accessory bar to hang wheels, air hoses, lights and just about any other accessory you can think of
- Electric motor to smoothly lift up to 120 lb (54kg)
- Oversized gussets to mount stand directly to the floor
- 100-3D Micro Adjust clamp
- Two #470 Oversized Machine Thread Hooks

#135-33: 115 pound (52kg) steel plate base with floor levelers (sold separately)

## NEW

## D PRS-33.2 AOK 2nd Arm Add-On Kit

Turns the PRS-33 and PRS-33.2 into a double arm stand. Complete with clamp, sliding carriage, work tray, electric motor, power source, chain, hardware and PRS-33TT Tool Tray.

# PROFESSIONAL REPAIR STAND ACCESSORIES

## 105 Cast Aluminum Tool Tray\*

The 105 is a handy and sturdy cast aluminum tray with deep-walled compartments and assorted slots for holding tools, lubes, and small parts. Fits all versions of the PRS-2, PRS-3, PCS-4 & PRS-13 Shop Stands.



## TK-4 Tool Kaddie\*

Keep your most commonly used tools close at hand with this clever, multi-function tool holder. The TK-4 was painstakingly designed with pockets and holders for specific tool shapes and sizes as well as some generic storage areas. Available in two versions the Tool Kaddie rotates for easy access and is molded from a durable composite material.

- Specific slots and holders for 3-way hexes, screwdrivers, P-Handles, pliers/cutters
- Generic slots and holders to hold a wide variety of tools and small parts
- Mounting location to directly attach HXH-2T or HXH-2P P-Handle Holders (sold separately)
- Built in Receiver Port for PTH-1 Paper Towel Holder (sold separately)

**TK-4:** Stand Mount mounts to any Park Tool Professional Shop Stand (All versions of PRS-2,3,4 and 33)

**TK-4T:** Bench Top Mount sits firmly on any flat surface



## PRS-33TT / PRS-TT Tool Tray\*

A versatile and convenient way to keep tools, supplies and technology at arms length on your Repair Stand. Solidly mounts directly to either side of the stand's upright at any height. Fits all versions of the PRS-2, PRS-3, PRS-4.2, and PRS-33 Shop Stands.

## NEW

\*Tools not included



## ACCESSORIES



### 104 Work Tray\*

This large tray is ideal for holding small parts and tools. It features deep sides so small items stay put. A variety of slots and holes hold any tool. Fits PCS-1, PCS-4, PRS-2, PRS-3, PRS-6, PRS-11 & PRS-12.



### 106 Work Tray

A great work stand accessory built to keep tools, lubes and spare parts right at your fingertips. The #106 installs easily utilizing our exclusive receiver pod accessory system.



### 2843A Work Tray\*

Has a compartment and several holes to hold small parts and tools, and features a quick release lever to quickly position the tray on your repair stand so it's always close at hand. Can be added to the PCS-9.2 as an accessory or used as a direct replacement part for the PCS-10.2.

**NEW**



## NEW

### A PCS-9.2 Home Mechanic Repair Stand

The PCS-9.2 is a basic workstand designed and built for the home mechanic. A stable way to hold nearly any bicycle for adjustments, cleaning and repair. The stand folds for transport and storage and is adjustable in height to always keep your work at a comfortable level. Able to hold up to 80 pounds (36kg), the PCS-9.2 is the perfect way to upgrade your home shop.



## NEW

### B PCS-10.2 Deluxe Home Mechanic Repair Stand

A workstand is the backbone of any shop. Holding the bike at a convenient working height allows easy access for adjustments, cleaning and repair. The PCS-10.2 Deluxe Home Mechanic Repair Stand was designed and built using our 50 years of experience creating professional shop stands used in shops around the world. The unique three-point leg system and stout adjustable uprights create an extremely solid platform capable of handling bikes up to 80 lbs. (36kg). Easy to set up and use in a home shop, the PCS-10.2 also folds easily for transport or storage.

### C PCS-4 Deluxe Home Mechanic Repair Stand

The PCS-4 is a heavy duty folding stand with your choice of shop quality clamps. Perfect for heavier duty home use or portable shop use, the PCS-4 features a rock solid four-point leg system that folds together for storage, steel powder coated tubing, and a composite horizontal tube.

- Clamp rotates 360°
- Adjusts quickly from 57" to 68" (144-172cm)
- Approximate weight 26 lb (11.8 kg)

**Note:** The maximum weight holding capacity of the PCS-4 is 100 lb (45 kg). However, this assumes the weight is centered over the legs.

**Choice of two different clamping systems:**

**PCS-4-1:** Includes 100-5C Adjustable Linkage Clamp

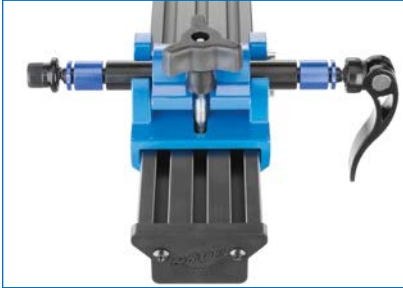
**PCS-4-2:** Includes 100-5D Micro-Adjust Clamp (pictured)

	PCS-9.2	PCS-10.2
<b>Height</b>	39" up to 57" (99cm–145cm)	39" up to 57" (99cm–145cm)
<b>Weight</b>	16 lbs (7.2kg)	17 lbs (7.71kg)
<b>Leg Dimensions</b>	Base when open forms a triangle of 36" x 36" x 48" (92cm x 92cm x 121cm)	Base when open forms a triangle of 36" x 36" x 48" (92cm x 92cm x 121cm)
<b>Finish</b>	Blue powder coated steel	Blue powder coated steel
<b>Capacity</b>	80 lb (36kg) <i>centered over legs</i>	80 lb (36kg) <i>centered over legs</i>
<b>Clamp</b>	Adjustable from 1" to 3" (25.4mm–76mm) diameter tubes and seatposts of any shape and material	Cam-actuated adjustability for quick closing, clamping and opening from 1" to 3" (25.4mm–76mm)
<b>Replacement Part</b>	#1960 Jaw Covers	#1960 Jaw Covers
<b>Accessories</b>	BAG-15 Travel & Storage Bag, 106 Tray*, 2843A Work Tray, PTH-1 Paper Towel Holder*	BAG-15 Travel & Storage Bag, 106 Tray, PTH-1 Paper Towel Holder
<b>Features</b>	<ul style="list-style-type: none"> <li>• Clamp rotates 360°</li> <li>• Height adjustable</li> <li>• Folds for storage</li> <li>• Low flex, no rotation teardrop tubing</li> </ul>	<ul style="list-style-type: none"> <li>• Clamp rotates 360°</li> <li>• Quick release height adjustable</li> <li>• Quick release locking system</li> <li>• Folds for storage</li> <li>• Low flex, no rotation teardrop tubing</li> </ul>

\* Requires 2848A

### Portable Repair Stand Accessory Use Guide:

	Product Name:	For use with:
<b>106</b>	Tray	PRS-15, PRS-22/22.2, PRS-25, PCS-10/10.2, PCS-9; Post-2011: PRS-20, PRS-21; Post-2003: PCS-1
<b>106-AC</b>	Accessory Collar	PCS-9, PCS-10; Post-2003: PCS-1, PCS-4
<b>1707.2</b>	Collar (Tool Tray Ready)	Pre-2012: PRS-20 and PRS-21
<b>1729-TA</b>	Sliding Thru Axle Adaptor	PRS-20, PRS-21 and PRS-23
<b>2737</b>	Collar (Tool Tray Ready)	PRS-22
<b>2843A</b>	Work Tray	PCS-9.2, PCS-10.2
<b>2848A</b>	Accessory Collar	PCS-9.2, PCS-10.2
<b>BAG-15</b>	Travel & Storage Bag	PCS-9/9.2, PCS-10/10.2, PCS-11, PRS-15 and PRS-25
<b>BAG-20</b>	Storage and Travel Bag	PRS-20, PRS-21 and PRS-22/22.2
<b>HBH-2</b>	Handlebar Holder	All stands for all bikes
<b>PTH-1</b>	Paper Towel Holder	PCS-10/10.2, PCS-11, PRS-15 and PRS-25
<b>PRS-22EXT</b>	Team Issue Repair Stand Extension	PRS-22 or PRS-22.2
<b>TS-25</b>	Repair Stand Mounted Wheel Truing Stand	PRS-25, PCS-1, PCS-4 and PCS-10
<b>TS-TA</b>	Thru Axle Adaptor	TS-25, TS-8, TS-2, TS-2.2, TS-4, TS-4.2



106 Tray  
sold separately



PRS-22.2 folded

### PRS-22.2 Team Issue Repair Stand

Updated with a smoother, more solid rotation system! Originally designed for professional Pro Tour mechanics. The PRS-22.2 firmly holds any bike without clamping the frame or seat post by supporting the bottom bracket then locking either the front or rear dropouts. Works with any style axle system, including quick release and all sizes of thru-axles without cumbersome adaptors. Ideal for cleaning and general repair work, the PRS-22.2 features a solid tripod base and folds compactly for storage or transport.

- Precisely constructed of anodized 6063 T6 lightweight aluminum and durable composites (12.5 lb, 5.67kg)
- Adjustable BB height of 30" to 45" (76cm to 114cm)
- 360° horizontal rotation allows easy access to all sides of the bike
- Customizable bottom bracket supports accommodate a wide variety of bottom bracket shells
- Main beam is adjustable fore and aft to customize balance points
- Easily transported in the BAG-20 (sold separately)





Clamping height quickly adjusts from 45 to 60 inches (114.3cm to 152.4cm)



PRS-25 folded and clamp securely stowed

### PRS-25 Team Issue Portable Stand

Our best portable stand, the PRS-25 is lightweight, stable and packed with features. The PRS-25 is designed and built to perform on smooth concrete or rough terrain. Featuring our 100-25D Professional Micro-Adjust Shop Clamp, the PRS-25 folds easily into a neat little package. Built with our own proprietary Hexatude™ hex-shaped extruded aluminum tubing and utilizing our mechanic proven three-point leg system, this stand is solid yet weighs a scant 13 pounds (6kg).

#### Features:

- Quickly and easily folds to 47" x 9" x 9" (119cm x 23cm x 23cm)
- Clamping height adjusts up to 45" to 60" (114.3 to 152.4cm)
- Park Tool's exclusive Hexatude™ hex shaped extruded aluminum tubing ensures low flex and no rotation
- Aluminum leg straps ensure all parts slide, fold and unfold together
- Weighs less than 13 pounds (6kg)
- 360° infinite position clamp rotation
- 100-25D Professional Micro-Adjust Shop Clamp (see description on page 10)
- Maximum weight limit—100 lb (45kg)

## ACCESSORIES



### PTH-1 Paper Towel Holder

Fits into the receiver ports of any PRS-25, PRS-15, PCS-9.2\*, PCS-10, and PCS-10.2, and PCS-11 to hold a standard roll of paper towels. Also works great for hanging clothing, wheels, tires, etc.

\*Requires 2848A



### HBH-2 Handlebar Holder

The Handlebar Holder is designed to prevent the handlebar and front wheel from rotating when a bike is mounted in a Park Tool Repair Stand. Fits handlebars with a diameter up to 32mm and oversized top tubes up to 50mm, the HBH-2 works on almost any road or mountain bike.



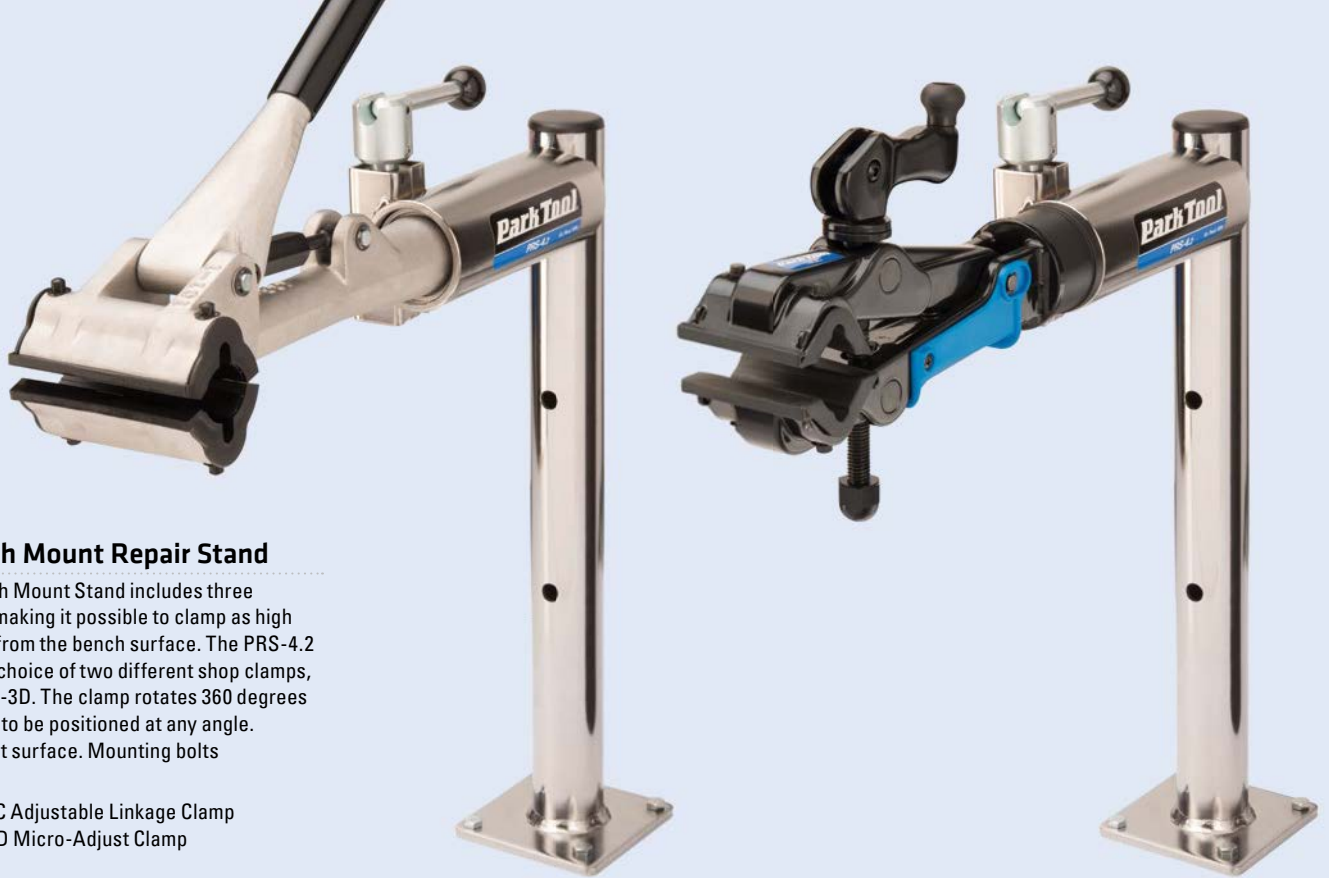
### BAG-15 Travel & Storage Bag

Heavyweight nylon bag with shoulder strap for transporting and storing the PCS-9, PCS-9.2, PCS-10, PCS-10.2, PCS-11, PRS-15 and PRS-25.



### BAG-20 Travel and Storage Bag

Heavyweight nylon bag with shoulder strap for transporting and storing the PRS-20, PRS-21 and PRS-22/22.2.



**PRS-4.2**  
**Deluxe Bench Mount Repair Stand**

The Deluxe Bench Mount Stand includes three mounting holes, making it possible to clamp as high as 16.25" (41cm) from the bench surface. The PRS-4.2 is offered with a choice of two different shop clamps, the 100-3C or 100-3D. The clamp rotates 360 degrees allowing the bike to be positioned at any angle. Mounts to any flat surface. Mounting bolts not included.

- PRS-4.2-1: 100-3C Adjustable Linkage Clamp
- PRS-4.2-2: 100-3D Micro-Adjust Clamp

**PRS-4W**  
**Deluxe Wall Mount Repair Stand**

Designed to be easily mounted to any post or wall stud, the PRS-4W is a shop quality stand offered with your choice of two different clamps, the 100-3C or 100-3D. Main tube is powder coated for long life. Mounting bolts not included.

- PRS-4W-1: 100-3C Adjustable Linkage Clamp
- PRS-4W-2: 100-3D Micro-Adjust Clamp (shown)

**PRS-7**  
**Bench Mount Repair Stand**

Easily mounted on any workbench and offered with your choice of two different shop clamps. Durable powder coated upright and composite horizontal tube. Mounting bolts not included.

- PRS-7-1: 100-5C Adjustable Linkage Clamp (shown)
- PRS-7-2: 100-5D Micro-Adjust Clamp

**PCS-12**  
**Home Mechanic Bench Mount Repair Stand**

A bench mount version of our popular PCS-10 Home Mechanic Repair Stand. Features a quick adjusting cam-type clamp that fits tubes up to 76mm (3") and rotates 360 degrees for easy access to any part of the bike. Clamping pressure is fully adjustable to prevent damage to thin walled tubes. Durable powder coated upright and composite horizontal tube. Mounts to any flat surface. Mounting bolts not included.

- Uses the #1185K jaw covers





## 100-3D / 100-5D / 100-25D Professional Micro-Adjust Clamp

We've built what we believe is the best shop grade work stand clamp ever made. It's smooth, versatile and built to stand up to constant, everyday shop use. With its rapid release, micro-adjust clamping system, the narrow jaws can be easily and quickly adjusted to clamp nearly any tube, at any pressure.

- Grips nearly any tube from 7/8" to 3" (23-76mm), including aero tubes
- Cam-actuated adjustment system for quick entry, adjustment and exit
- Narrow clamping jaws (2.7"/7cm) designed to clamp securely yet fit into tight areas or on short seat posts
- Fully adjustable clamping pressure prevents damage to thin-walled tub
- Uses the #1960 jaw covers

### Compatibility:

**100-3D:** All generations of PRS-2, PRS-3, PRS-4 and PRS-33

**100-5D:** 2001 and later PCS-1, PCS-4, and PRS-7 with composite top tubes

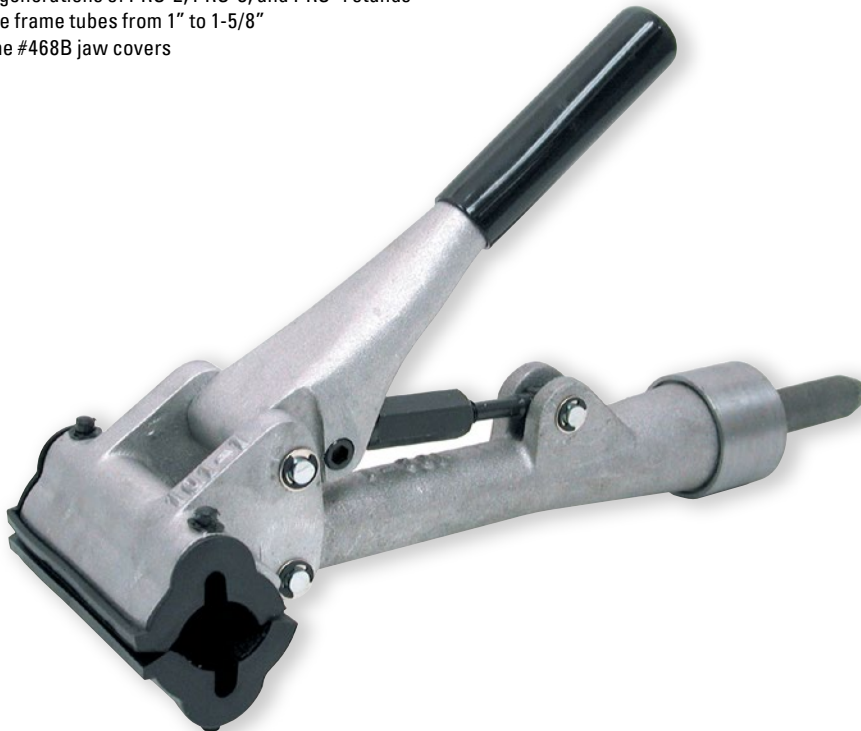
**100-25D:** PRS-25, PCS-10, PCS-11, and PCS-12



## 100-3C / 100-5C Adjustable Linkage Shop Clamp

Our adjustable linkage shop clamp is found in more shops than any other professional level clamp. The 100-3C features solid cast aluminum construction and durable replaceable clamp covers. Clamp has reliefs on both jaws for cable routing.

- Fits all generations of PRS-2, PRS-3, and PRS-4 stands
- Fits bike frame tubes from 1" to 1-5/8"
- Uses the #468B jaw covers





### THS-1 Trailhead Workstation

A versatile repair center designed and built specially for the harsh conditions of the outdoors. The THS-1 can be bolted directly to an existing post, permanent structure or to the THP-1 Mounting Post (sold separately). The weather-proof stand includes eight carefully chosen tools capable of helping with a wide variety of minor repairs and adjustments. The THS-1 also features an integrated, super stout cradle stand that gets both wheels off the ground, making any job easier. A great addition to any trailhead, park, corporate campus, apartment building, school, bike shop or anywhere riders may need some help to get back on their bikes.

- All steel construction, plated then powder coated to withstand the elements
- Tamper-proof assembly fasteners
- Includes eight tools specialty treated to increase durability outdoors and securely mounted on 1/8" galvanized, vinyl coated cable
- 1.5" (3.8cm) tubular support arms, plated and powder coated, soft touch covers
- Mounts to any post or flat surface (mounting fasteners not included)
- Dimensions of tool box: 12.2" x 8.7" x 2.6" (31 x 22 x 6.6cm)
- Tubes extend 17" (43cm) from mounting surface

### THP-1 Mounting Post

Mount the THS-1 directly to this rigid steel post.

- 2" (5cm) square post plated then powder coated for long outdoor life
- Includes THS-1 mounting fasteners
- 6" (15cm) square base with holes to mount directly into hard surface or to Park Tool #130 base plate. Fasteners not included.
- Height: 62.25" (158cm) positioning cradle arms at 50.5" (128cm)

### PB-1 Portable Workbench

Perfect for taking to races and rides, the PB-1 is a workbench that folds for easy transport and storage. Features a large 36" x 23" work surface (91.5cm x 58.5cm) with specially sized slots, holes, and ports for holding tools, shop towels, lubes, and accessories (such as the PTH-1 Paper Towel Holder). Heavy duty steel legs provide a rock solid base for heavy tools, tool boxes and supplies.

- Folded:** 42.5" x 23" x 7" (108cm x 58.5cm x 18cm)
- Set Up:** 36" x 23" x 32.5" (91.5cm x 58.5cm x 82.5cm)
- Weight:** 20.2 lb



### ES-1 Event Stand

A versatile, stable storage rack built to hold up to twelve bikes by the nose of the saddle. Perfect for events, races or sidewalk storage, the ES-1 disassembles and folds easily for compact storage. The ES-1 is roughly eight feet long but can be extended in length with the use of ES-2 Add-On Kit.

#### Includes:

- 2 - Height adjustable tripod uprights
- 2 - 47" (119cm) support tubes
- 1 - Connector sleeve



### ES-2 Event Stand Add-On Kit

#### Includes:

- 1 - Height adjustable tripod upright
- 2 - 47" (119cm) support tubes
- 1 - Connector sleeve



### TRY-1 Parts and Beverage Tray

The TRY-1 Parts and Beverage Tray is twelve inches in diameter, looks great on the workbench and will carefully hold anything from derailleurs to tallboy cans to pint glasses. It has a tacky surface coating that will keep objects from sliding around and can easily switch from business to party by placing your favorite beverage on its no-slip surface.



### OM-1 Benchtop Overhaul Mat

A great way to hold small parts, tools and components during a repair, the OM-1 features multiple small pockets and one large work area. Perfect for suspension work or to organize parts for installation. Made of a rubber-like PVC, the OM-1 cleans easily and looks great on any bench. Measures: 13.4" x 9.4" (34cm x 24cm)



### JH-1 Bench Top Small Parts Holder

A great place to keep small parts, cable end caps, grease, and whatever else you can think of. Stainless steel construction with a clear acrylic hinged top and four removable bins. 12" x 5.5" x 3.5" (30.5cm x 14cm x 9cm)



### MB-1 Magnetic Parts Bowl

This bench top accessory keeps small parts accessible and all in one place. 6" (15cm) in diameter and featuring an extra strong magnet, the MB-1 is available only in world famous Park Tool Blue.



Park Tool introduced the original storage hook over fifty years ago. Available in both wood threaded and machine threaded versions, these hooks are made of strong steel wire and are vinyl coated for long, scratch-free life.

### 450 / 470 / 470XX Machine Thread Hooks

Made of strong steel wire and black vinyl coated for long, scratch-free life. Includes two nuts.

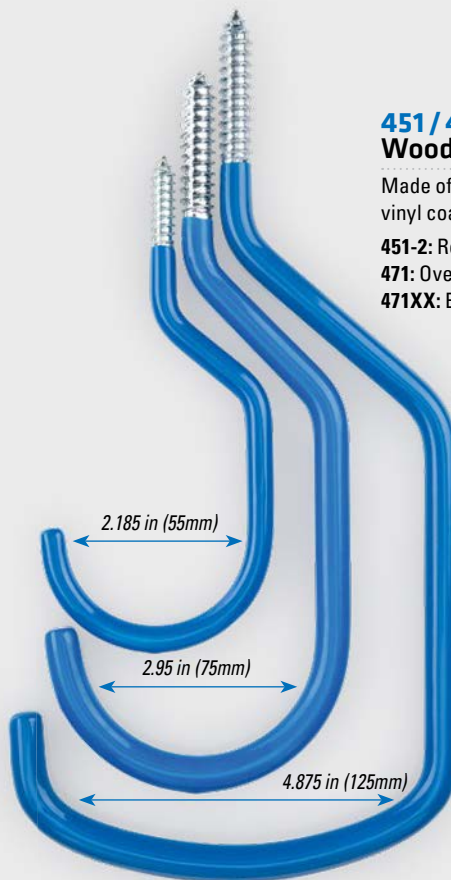
- 450: Regular – M8 x 1.25
- 470: Oversized – M10 x 1.5
- 470XX: Extra Large – M10 x 1.5



### 451 / 471 / 471XX Wood Thread Hooks

Made of strong steel wire and blue vinyl coated for long, scratch-free life.

- 451-2: Regular (sold in pairs)
- 471: Oversized
- 471XX: Extra Large





A



C



B



D



### AWS 3-Way Hex Wrenches

Park Tool introduced the bicycle world to the 3-way hex wrench set over 35 years ago. Our Y-shaped wrenches fit perfectly in the palm of your hand and provide excellent leverage, making them a favorite of countless shop mechanics worldwide. A glass fiber reinforced polymer center and industrial strength, heat treated steel hexes help make this tool the best selling 3-way in the industry.

**A** AWS-1: 4mm, 5mm, and 6mm hex wrenches

**B** AWS-3: 2mm, 2.5mm, and 3mm hex wrenches

**C** AWS-7: 4mm and 5mm hex wrenches; T25 Torx® compatible driver

**D** AWS-8: 4mm, 5mm, and 6mm hex wrenches with ball end tips



Available  
3-Way  
Storage



### PH-T1.2 P-Handle Torx® Compatible Wrench Set

A complete set of star-shaped (Torx® compatible) wrenches. Engineered for fit, function and leverage, these L-shaped shop quality wrenches are a must have for every workshop.

- High torque, industrial steel wrenches
- Includes T6, T8, T10, T15, T20, T25, T30, and T40
- Precision chamfered tips for a clean tight fit
- Comfortable, ergonomically designed nylon handles fit perfectly in your hand
- Durable wall/pegboard mount tool holder allows easy access and organization

*Individual sizes and holder available separately:*

PH-T6: T6	PH-T15: T15	PH-T30: T30
PH-T8: T8	PH-T20: T20	PH-T40: T40
PH-T10: T10	PH-T25: T25	HXH-2T: Holder

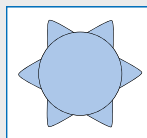
### TWS-1 Torx® Compatible Wrench Set

Shop quality L-shaped, high-torque industrial steel star-shaped (Torx® compatible) wrenches. Featuring chamfered tips, tight tolerances and a handy portable tool holder for easy access. Includes: T9, T10, T15, T20, T25, T27, T30 and T40.

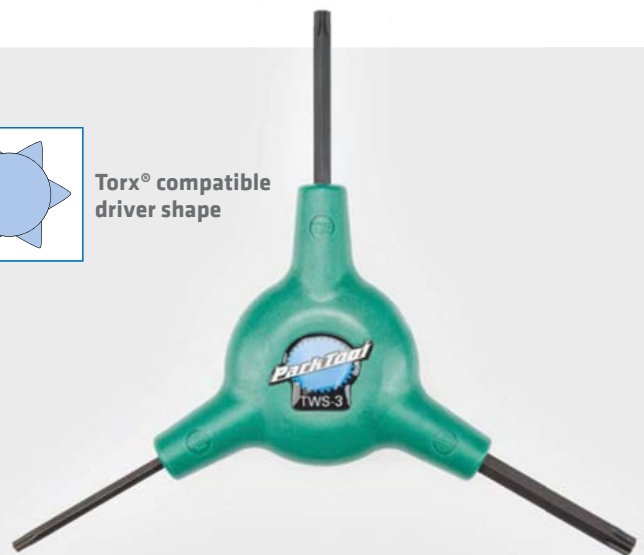


### TWS-2 Fold-up Torx® Compatible Wrench Set

The TWS-2 includes the star-shaped (Torx® compatible) wrench sizes currently being used on components such as disc brakes, pedals, and chain rings (T7, T9, T10, T15, T20, T25, T27, T30, and T40) in a convenient fold-up set.



Torx® compatible  
driver shape



### TWS-3 3-Way Torx® Compatible Wrench

The TWS-3 is a star-shaped (Torx® compatible) 3-way wrench. T10, T25 and T30 wrench sizes in our classic three-way "Y" design. Useful for disc rotor bolts (T25), chaining bolts (T30), and hydraulic brake work (T10).





Available  
3-Way  
Storage



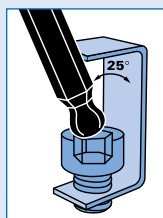
### PH-1.2 P-Handle Hex Wrench Set

Engineered for fit, function and leverage, these L-shaped shop quality wrenches are a must have for every workshop.

- High-torque, industrial steel wrenches
- Straight hex shaft on the short side, ball end on the long side
- Includes 2, 2.5, 3, 4, 5, 6, 8, and 10mm
- Precision chamfered tips for a clean, tight fit
- Comfortable, ergonomically designed nylon handles fit perfectly in your hand
- Durable wall/pegboard mount tool holder allows easy access and organization

Individual sizes and holder available separately:

- |               |           |                |
|---------------|-----------|----------------|
| PH-2: 2mm     | PH-4: 4mm | PH-8: 8mm      |
| PH-2.5: 2.5mm | PH-5: 5mm | PH-10: 10mm    |
| PH-3: 3mm     | PH-6: 6mm | HXH-2P: Holder |



### HXS-1.2 Professional L-Shaped Hex Wrench Set

Shop quality L-shaped, high-torque industrial steel ball end hex wrenches. Featuring chamfered tips, tight tolerances and a handy portable tool holder, hinged for easy access. Includes: 1.5, 2, 2.5, 3, 4, 5, 6, 8, and 10mm hexes.

**Note:** 10mm hex in set is not a ball end.



### HXS-3 Stubby Hex Wrench Set

Shop quality, L-shaped, high-torque industrial steel hex wrenches with a ball end on the long arm and stubby short arms specifically for reaching bolt heads in tight spaces (like caliper mounting bolts, chainring bolts, etc.). Other features include chamfered tips, tight tolerances and a handy portable tool organizer/holder. 1.5, 2, 2.5, 3, 4, 5 and 6mm hexes.



### HR Hex Wrenches

A long handled 8mm L-Wrench with ball end individually packaged for retail sale or shop use. Ideal for installing and removing crank bolts.

11mm, 12mm, 14mm and 15mm hex wrenches are necessary for removing the freehub bodies from several popular brands of hubs (Mavic®, Shimano®, Sun Race®, Sovos®, and others).

- Through hardened industrial quality steel
- Chamfered tips for a precision fit

- |                                  |                      |
|----------------------------------|----------------------|
| <b>A</b> HR-8: 8mm with ball end | <b>D</b> HR-14: 14mm |
| <b>B</b> HR-11: 11mm             | <b>E</b> HR-15: 15mm |
| <b>C</b> HR-12: 12mm             |                      |

## FWS-2 Fold-Up Wrench Set

The Park Tool FWS-2 Fold-Up Wrench Set combines all the popular hex and Torx® compatible wrench sizes of the AWS-10 and TWS-2 into one convenient set. The multi-position shop grade fold-ups are comfortable, lightweight, slip-resistant, and 40% stronger than steel handles. Made in USA.

- AWS-10 Includes 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, and 6mm hex wrenches
- TWS-2 Includes T7, T9, T10, T15, T20, T25, T27, T30 and T40 wrenches
- Wrenches made from industrial tool steel, through hardened and tempered for long life
- Chamfered tips for a perfect fit



## HT-6 / HT-8 / HT-10 Hex Tools

Specially designed for cranks, free hubs and pedals, the HT tools are built for speed, leverage and comfort. Our dual density, ergonomically designed screwdriver handle molded over an extra long, extra deep, super strong hex. It may be your new favorite tool!

HT-6: 6mm

HT-8: 8mm

HT-10: 10mm

## AWS Fold-Up Hex Wrench Sets

Park Tool Fold-Up Hex Wrench Sets use a multi-position composite handle that is comfortable, lightweight, and slip-resistant. Hexes are made from industrial tool steel, through hardened, and tempered for long life.

**AWS-9.2:** 4mm, 5mm, and 6mm Hex Wrench Set with a T25 Torx® compatible bit and straight blade screwdriver



**AWS-10:** 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, and 6mm Hex Wrench Set

**AWS-11:** 3mm, 4mm, 5mm, 6mm, 8mm, and 10mm Hex Wrench Set



## AWS-13 Micro Fold-Up Hex Wrench Set

A diminutive version of our world famous fold-up tools each featuring 3, 4 and 5mm hexes, a T25 Torx® compatible bit, combo screwdriver and a key ring holder, all in a tough composite case. (57mm/2.25 in)







### SS-15 Single Speed Spanner

Designed and built especially for single speed bikes, the SS-15 is a forged, multi-purpose ride saver. Just the right size and length (17cm/7") to take along or to wrench in the garage, the "SS" is destined to be a single speeder's favorite.

- 15mm socket – axle nuts
- Smooth curved tire lever
- 15mm open end – pedals
- Bottle opener



### MT-1 Multi-Tool

The MT-1 is a high quality multi-tool that is uncomplicated, easy to use, and effective. Made of investment cast steel and electroless nickel plated for durability, the MT-1 features 3mm, 4mm, 5mm, 6mm, and 8mm hex wrenches; 8mm, 9mm, and 10mm socket wrenches; and a flat blade screwdriver.





## MT-10 / MT-20 / MT-30 / MT-40 Multi-Tools

High quality take-along tools designed and built for specific riders and their bikes. Featuring forged aluminum side plates, hardened and plated tools and smooth ergonomic operation.

### A MT-10:

- 3, 4, 5 and 8mm hex wrenches
- T25 Torx® compatible driver
- Combo cross/straight tip screwdriver
- Key ring holder
- Weighs 76g

### C MT-30:

- 2.5, 3, 4, 5, 6 and 8mm hex wrenches
- T25 & T30 Torx® compatible drivers
- 8 & 15mm box wrenches
- Combo cross/straight tip screwdriver
- Key ring holder
- Weighs 153g

### B MT-20:

- 3, 4, 5 and 8mm hex wrenches
- T25 Torx® compatible driver
- Combo cross/straight tip screwdriver
- CO<sub>2</sub> cartridge inflator adaptor
- Key ring holder
- Weighs 95g

### D MT-40:

- 2.5, 3, 4, 5, 6 and 8mm hex wrenches
- T25 & T30 Torx® compatible drivers
- Combo cross/straight tip screwdriver
- CO<sub>2</sub> cartridge inflator adaptor
- 5 to 12-speed compatible chain tool
- Key ring holder
- Weighs 243g

## MTC-10 / MTC-20 / MTC-25 / MTC-30 / MTC-40 Multi-Tools

**NEW**

Features a super strong, composite, multi-position handle, with hardened and plated tools and smooth ergonomic operation. Lightweight, compact, and perfect to carry along.

### E MTC-10:

- 3, 4, 5 and 8mm hex wrenches
- T25 Torx® compatible driver
- Combo cross/straight tip screwdriver
- Key ring holder
- Weighs 76g

### H MTC-30:

- 2.5, 3, 4, 5, 6 and 8mm hex wrenches
- T25 & T30 Torx® compatible drivers
- 8 & 15mm box wrenches
- Combo cross/straight tip screwdriver
- Key ring holder
- Weighs 153g

### F MTC-20:

- 3, 4, 5 and 8mm hex wrenches
- T25 Torx® compatible driver
- Combo cross/straight tip screwdriver
- CO<sub>2</sub> cartridge inflator adaptor
- Key ring holder
- Weighs 95g

### I MTC-40:

- 2.5, 3, 4, 5, 6 and 8mm hex wrenches
- T25 & T30 Torx® compatible drivers
- Combo cross/straight tip screwdriver
- CO<sub>2</sub> cartridge inflator adaptor
- 5 to 12-speed compatible chain tool
- Key ring holder
- Weighs 243g

### G MTC-25:

- 3, 4, 5, 6 and 8mm hex wrenches
- T25 & T30 Torx® compatible drivers
- Combo cross/straight tip screwdriver
- Key ring holder
- Weighs 94g



## FREE CUSTOMIZING

Ask your distributor about our custom laser engraving program. Your shop name or logo permanently engraved for free on IB-1 and IB-2 I-Beam Tools.

## IB-1 / IB-2 / IB-3 I-Beam Mini Fold-Up Tool Sets

Featuring our unique I-Beam design, the IB-1, IB-2, and IB-3 combine commonly used hex wrenches, screwdrivers, and more into a strong, compact, and lightweight package. Whether you desire only the essentials or a fully-loaded tool, we have one that is perfect for your ride on the road or trail.

### J IB-1:

- 3, 4, 5, 6, & 8mm hex wrenches
- Flat blade screwdriver
- Weighs 91g

### L IB-3:

- 1.5, 2, 2.5, 3, 4, 5, 6, & 8mm hex wrenches
- T25 Torx® compatible driver
- Flat blade screwdriver
- Composite wrapped tire lever
- Two spoke wrenches: SW-0 (3.23mm) and SW-2 (3.45mm)
- 5 to 12-speed compatible chain tool
- Weighs 170g

### K IB-2:

- 1.5, 2, 2.5, 3, 4, 5, 6, & 8mm hex wrenches
- T25 Torx® compatible driver
- Flat blade screwdriver
- Weighs 108g

IB-1, IB-2, IB-3 Patented: US 7,140,280; US 6,880,435; US D515,391



### DC-1 Digital Caliper

Accurately measure seat posts, head tubes, bearings, spoke diameters, and just about anything else you can think of. The DC-1 is a precision made instrument built with stainless steel mechanisms and a rugged ABS composite body. The tool's ability to measure in inch fractions as well as metric and decimal standard makes it an indispensable shop tool.

- Large LCD display
- Displays metric, decimal standard and fractional standard to 1/128"
- Measures external, internal, depth and stepped dimensions
- Resolution: +/- 0.01mm/0.0005"/1/128"
- Accuracy: +/- 0.02mm/0.001 (-100mm)
- Repeatability: +/- 0.01mm/0.0005"
- Protective case and battery included



### RR-12 Tape Measure

Small and handy, the RR-12 features a tough, composite housing and both Metric and English readings up to 12 feet (3.65 m).

### G SBS-3 Socket & Bit Set

The 37 piece SBS-3 is a comprehensive, shop quality set of sockets, hex bits and Torx® compatible drivers selected specifically to tackle a wide variety of common bike repair needs. The SBS-3 also includes flat-faced sockets in common sizes for work on suspension forks. Ideal for use with Park Tool Torque Wrenches, the 3/8" drive bits and sockets are forged from tough, chrome vanadium steel and nickel chrome plated for lasting durability.

- 3, 4, 5, 6, 8, 10, 14, and 16mm hex bits
- Long reach 5, 6, 8, 10, 11, 12, and 15mm hex bits
- Long reach T20, T25, T30, T40 and T45 Torx® compatible bits
- 8, 9, 10, 11, 12, 13, 14, 15, 17, 19mm and 1" sockets (The 1" socket fits various Park Tool freewheel, cassette locking, and bottom bracket tools)
- 24, 26, 27, 28, 30, 32mm flat sockets for suspension fork fittings (27mm socket has external taper for narrow access fittings)
- All sockets and bits are 3/8" drive

Also available individually



### TW-5.2 / TW-6.2 Ratcheting "Click-Type" Torque Wrenches

High quality, ratcheting torque wrenches to quickly and accurately measure and apply the proper amount of torque to components and accessories. The TW-5.2 and TW-6.2 feature a dial-adjust "click" system to preset the desired torque setting.

**Note:** Torque wrenches are measuring instruments and are not intended for use as a general-purpose ratcheting driver. Do not exceed 15 Nm when using the TW-5.2.

#### E TW-5.2

- 2–14 Newton meter range (18–124 inch pounds)
- Adjustable in 0.4 Nm increments
- Ratcheting 3/8" drive
- Reads and registers for both left hand and right hand threading
- Dial-adjust system allows desired torque setting to be preset
- Conversion scale on tool body
- Calibrated to be accurate to +/- 4%
- Length: 22.9cm (9")

#### F TW-6.2

- 10–60 Newton meter range (88–530 inch pounds)
- Adjustable in 0.25 Nm increments
- Ratcheting 3/8" drive
- Reads and registers for both left hand and right hand threading
- Dial-adjust system allows desired torque setting to be preset
- Calibrated to be accurate to +/- 4%
- Length: 36.2cm (14.25")

### I SWB-15 3/8" Drive Breaker Bar

The 15" SWB-15 is a forged steel breaker bar with a 3/8" square drive head that pivots 180°. Features a long, knurled handle, which is extremely useful when extra leverage is needed to remove stubborn fasteners.

**NEW**



## ATD-1.2 / PTD-4 / PTD-5 / PTD-6 Torque Drivers

Shop quality torque drivers that limit torque applied to fasteners preventing over tightening and damage to lightweight components. The torque drivers feature all metal internal construction with a comfortable, ergonomic composite molded grip. Each tool is assembled and calibrated at our factory in Minnesota.

- Limits torque applied to fasteners while rotating clockwise
- Includes 3, 4, 5mm and T25 bits stored in the handle
- All metal internal construction for long life
- ¼ inch hex drive

### A ATD-1.2

- Hand adjustable to 4, 4.5, 5, 5.5, or 6 Newton meter (Nm)

### B PTD-4

- Preset to 4 Newton meter (Nm)

### C PTD-5

- Preset to 5 Newton meter (Nm)

### D PTD-6

- Preset to 6 Newton meter (Nm)



## H SKT-6 Flat-Faced Socket Set

Suspension maintenance and tuning requires tools designed for a precise fit. The SKT-6 is a shop quality set of six flat-faced sockets designed for use with common suspension fork fittings. Ideal for use with Park Tool Torque Wrenches, the 3/8" drive sockets are forged from tough chrome vanadium steel and chrome plated for lasting durability.

- 24, 26, 27, 28, 30, 32mm flat-faced sockets
- All sockets are 3/8" drive

**Note:** 27mm socket is tapered for better access on Suntour suspension forks

**Also available individually**

## I SBS-1.2 Socket & Bit Set

The SBS-1.2 is a shop quality set of sockets, hex bits and Torx® compatible bits, selected specifically for common bike repair needs. Ideal for use with Park Tool Torque Wrenches, the SBS-1.2 3/8" drive bits and sockets are made from tough, chrome vanadium steel for lasting durability.

- 3, 4, 5, 6 and 8mm hex bits
  - Long reach 5, 6, and 10mm hex bits
  - Long reach T25, T30 and T40 Torx® compatible bits
  - 8, 9, 10, 13, 14, 15mm and 1" sockets (the 1" socket fits various Park Tool freewheel, cassette locking, and bottom bracket tools)
  - All sockets and bits are 3/8" drive
- Also available individually**

## J SWR-8 3/8" Drive Ratchet Handle

The SWR-8 is an eight inch (20cm) long ratchet designed to drive any 3/8" drive socket or bit, as well as some Park Tool bottom bracket tools. Forged from alloyed steel and chrome plated for daily use, the SWR-8 is reversible and features a quick release button to easily switch from one socket to another.

**NEW**



## DS-1 Digital Scale

A versatile digital scale built to accurately weigh bikes, frames, and components. Uniquely designed to be clamped solidly into a repair stand or hung from a hook or branch. Measures in pounds to the ounce and kilograms to the hundredth. Includes a dual position, silicone coated hanging hook.



## DS-2 Tabletop Digital Scale

Commonly called a Gram Scale, this highly accurate tabletop scale is perfect for weighing small parts and components in grams or ounces.

- Accurate to within 2g/1000g, 2g/2000g, 3g/3000g
- Tare feature to exclude weight of container
- Switches easily between grams and ounces
- 3000 gram (106 oz) capacity
- Battery included



## A SZR-1 Scissors

Shop quality scissors with sturdy, stainless steel blades and a dual density grip. Perfect for a wide range of mechanic's duties including cutting zip-ties, boxes, bar tape and handle grips.

## B UK-1 Utility Knife

The UK-1 is a combination of aluminum and stainless steel and uses readily available hardware store utility knife blades. It also features a secure, quick-change blade system that locks open and closed.

## C SP-7 Side Cutter Pliers

Forged, heat-treated Cro-Moly steel, professional quality 7" diagonal/side cutting pliers featuring soft touch, dual density grips.

## D NP-6 Needle Nose Pliers

Forged, heat-treated Cro-Moly steel professional quality 6" pliers. The NP-6 features an invisible spring, soft touch dual density grips and five different crimping/grasping areas as well as a cutting blade.

## TH-1/TH-2 Tap Handles

Made for the rigors of everyday shop use, these adjustable tap handles fit most common bicycle taps, including all Park Tool Frame and Pedal taps.

### E TH-1

- Fits most metric taps from M1.6-M8
- Fits most standard taps from #0-5/16"

### F TH-2

- Fits most metric taps from M4-M12
- Fits most standard taps from #8-9/16"

See page 40 for TAP-3 / TAP-6 with Pedal Tools and page 55 TAP-7 / 8 / 9 / 10 with Frame and Fork Tools

## RP-SET.2 Snap Ring Pliers Set

Designed and built with the specific needs of the bike mechanic in mind. The RP-SET.2 features four forged pliers made for internal snap rings and one for external snap rings.

Also available individually:

**G RP-1:** 0.9mm straight internal

**H RP-2:** 1.3mm bent internal

**I RP-3:** 1.3mm bent external

**J RP-4:** 1.7mm bent internal

**K RP-5:** 1.7mm straight internal

## L MQ-1 Metric Quad Wrench

A handy four-way socket wrench that provides great leverage for nut and bolt removal and installation. The MQ-1 features 15, 17 and 19mm forged sockets plus a 3/8" socket drive.



## M MW-SET.2 Metric Wrench Set

The MW-SET.2 includes 6mm to 17mm 12-point box/open end wrenches. Forged from chrome vanadium steel, chrome plated, meticulously polished, then center dipped in Park Tool blue vinyl for a positive grip. Strong, comfortable, and beautiful!

Individual sizes available separately

## N MWR-SET Ratcheting Metric Wrench Set

Same solid construction and finish as the MW wrenches but with a two way ratcheting feature box end.

Individual sizes available separately

## O LP-7 Utility Pliers

Forged and precisely machined, the high leverage LP-7 Utility Pliers include an integrated cutting blade and soft touch grips.

**NEW**

## P ZP-5 Flush Cut Pliers

Forged and machined, the ZP-5 is ideal for closely cutting zip ties and many other materials in tight spaces.

**NEW**





### S SAW-1 Hacksaw

All aluminum die cast frame construction, blade tension adjuster and comfortable handle make this the perfect hacksaw for the shop. SAW-1 includes one blade and accepts any 12" (300mm) hacksaw blade.

See page 56 for CSB-1 Carbon Saw Blade

### T UP-SET Utility Pick Set

A set of three unique, multi-purpose picks ideal for a wide variety of detail work.

- Aluminum handle with magnet
- Picks are replaceable, cold formed, heat treated and polished high carbon steel
- Set includes 1-straight, 1-hook and 1-90 degree pick

### U ST-3 3-Way Socket Wrench

The three most common bolt and nut sizes are combined with the classic Park Tool 3-way "Y" body. 8mm, 9mm, and 10mm forged chrome vanadium steel sockets.

### V PAW-12 12-Inch Adjustable Wrench

The PAW-12 is forged of chrome vanadium steel (CR-v), precision ground and machined then heat treated and nickel plated. Our adjustable wrench opens to 38mm and features a laser engraved measurement scale and a wide, comfortable handle dipped in Park Tool Blue vinyl.

### W PAW-6 6-Inch Adjustable Wrench

Forged with chrome vanadium steel (CR-v), precision ground, heat-treated, plated and polished. The PAW-6 opens to 24mm and features a laser engraved measurement scale and dipped blue handle for comfort.

### X HMR-4 / HMR-8 Shop Hammers

Our versatile and durable two-sided Shop Hammers are perfectly balanced striking instruments built for a wide variety of shop uses.

- Forged steel, precision machined striking face
- Non-marring, replaceable composite tip
- Fiberglass shaft with soft touch grip

### X HMR-4

- 21 oz (590g) head
- Length: 13.5" (34.5cm)
- Replacement tip: Part #293

### Y HMR-8

- 8oz (225g) Head
- Length: 12" (30.5cm)
- Replacement tip: Part #293-8

### Z MG-2 Nitrile Mechanic's Gloves

Nitrile gloves keep hands free of grime and protected from potentially harmful chemicals and solvents. MG-2 gloves are heavy-duty and tough enough to resist snags. They provide superior fit and are easy to slip on and off. Sizes M, L, and XL.

Box of 100

## NEW

### Q DSD / DHD Precision Drivers

Precision component drivers machined to exact standards to ensure a perfect fit on compatible component fasteners. Featuring an ergonomic, CNC machined and hard anodized 6061 aluminum handle.

**DSD-2:** Cross tip (#2 Phillips) driver built to exceed JIS standards

**DSD-4:** 5mm precision ground flat blade

**DHD-2:** 2mm hex driver

**DHD-2.5:** 2.5mm hex driver

**DHD-3:** 3mm hex driver

### R SD-SET Shop Screwdriver Set

Shop quality screwdrivers designed for comfort and durability. Featuring dual density grips and heat-treated tips and shafts.

*Individual sizes available separately:*

**SD-0:** #0 Phillips

**SD-3:** 3mm flat blade

**SD-2:** #2 Phillips

**SD-6:** 6mm flat blade

### SK-3 Home Mechanic Starter Kit

A great way to start a tool collection! The perfect combination of tools to help the novice home mechanic clean, adjust, maintain, and do some basic repairs on their bike. The SK-3 includes more than 15 genuine Park Tool products plus a custom Park Tool toolbox.



**The SK-3 includes:**

- AWS-11** Fold-Up Hex Wrench Set
- CC-3.2** Chain Checker
- CN-10** Professional Cable and Housing Cutter
- CT-5** Mini Chain Tool
- GP-2** Pre-Glued Super Patch Kit
- GSC-1** GearClean™ Brush
- MLP-1.2** Master Link Pliers
- PW-5** Pedal Wrench
- SD-2** Shop Screwdriver: #2 Phillips
- SW-7.2** Triple Spoke Wrench
- TL-1.2** Tire Lever Set
- 1622** Torx® Compatible "L" Wrench

### AK-4 Advanced Mechanic Tool Kit

We put together this set of over 40 of our best tools to do basic maintenance and cleaning tasks as well as perform a wide variety of repairs and adjustments on just about any bicycle. A perfect way to start or add to your collection of shop quality bicycle tools. The AK-4 includes a tough toolbox to protect your investment.



See page 26 for a detailed tool list for all kits

## NEW

### EK-3 Professional Travel and Event Kit

A professional level tool set designed and built for portability. The EK-3 is perfect for team and event mechanics or the home mechanic who wants the ultimate portable tool kit. Neatly organized in our world-famous BX-2.2 Blue Box Tool Case, this tool kit features 56 of our best tools to do hundreds of repair and maintenance tasks. Plus, the bomb-proof Blue Box features pockets, pouches, straps and open space to add more tools and parts!



### WTK-2 Essential Tool Kit

Designed for the casual cyclist, the economical WTK-2 contains the tools needed for basic repairs and adjustments at home or on the road. Includes tire levers, AWS-9.2 fold-up hex/screwdriver, emergency tire boots and pre-glued tube patches all housed in a handy tool wallet.



## PK-4 Professional Tool Kit

The PK-4 includes 88 of our best, carefully chosen tools selected with versatility in mind. A great way to outfit a pro bench or to set up a fabulous home workshop, the PK-4 is an impressive set of tools that can help you perform hundreds of repairs and maintenance tasks. An investment you'll appreciate for decades all housed in a large, rugged tool box.



## NEW BX-2.2 Blue Box Tool Case

The BX-2.2 features an all-new pallet configuration and storage options to help you keep your tools secure and easily accessible. The expanded custom designed tool pallets, including dual-sided pallet wings, are all housed in a virtually indestructible composite travel case. Designed and built for the professional traveling mechanic who demands the best!

- Custom designed tool-holding pallets with loops and pockets
- Folding, dual-sided pallet wings
- Front tool pallet that stores securely inside during transport
- Dent-proof composite shell built around an aluminum frame
- Key lock
- Nominal dimensions:  
19" x 14.85" x 8.5"  
(48.25 x 37.7 x 21.6 cm),  
13.2 lbs. (6 kg)



## BX-3 Rolling Big Blue Box

Built to withstand the punishment of travel and constant use and molded from impact resistant polypropylene, the BX-3 features pallets with 70% more surface area than the BX-2.2. Easily transportable with the integrated wheels and extendable handle, this case was designed with the help of some of the world's best mechanics for optimal form, function and longevity.

- Smooth rolling integrated wheels
- Extendable handle
- Dust and water resistant
- Air pressure compensation valve
- Custom designed tool-holding pallets with loops and pockets
- Gas assisted lid struts for easy opening
- Dual-sided upper and mid level folding pallet wings
- Front tool pallet that stores safely inside during transport
- Nominal dimensions: 23.4" x 17.3" x 9.3"  
(59.5 cm x 44 cm x 23.5 cm), 21.6 lbs. (9.8 kg)





**NEW**

### MK-297 Master Tool Kit

THE BIG ONE! Just about every professional tool in our line, making it the most impressive and complete specialty bicycle tool set on the planet. Almost 300 shop quality tools (over 475 pieces) to start your business, expand your capabilities or create the ultimate home workshop. Designed for the full-service shop mechanic the MK-297 is the most impressive set of professional level hand tools, frame prep equipment, fixtures, lubricants, gauges and accessories known to the bicycle world. Updated yearly to include our newest offerings, the Master Kit makes it easy and extremely satisfying to create the ultimate workshop. Brought to you by the only company capable of creating such a vast and thorough collection.

**NEW**

### BMK-275 Base Master Tool Kit

275 of our best shop tools. Includes everything in the MK-297 except major frame and fork machining tools and accessories.

\* **Excluded from BMK-275:**

- 690-XL
- 754.2
- 790
- CRC-1
- 690-XXL
- 768
- BFS-1
- CRC-15
- FTS-1
- 750.2
- 769
- BTS-1
- DT-5.2
- HTR-1
- TAP-TA-SET



Park #	Tool	AK 4	EK 3	PK 4	BMK 275	MK 297	Park #	Tool	AK 4	EK 3	PK 4	BMK 275	MK 297	Park #	Tool	AK 4	EK 3	PK 4	BMK 275	MK 297		
690-XL	57.0mm Facing Cutter - For HTR-1					X	DT-3	Rotor Truing Gauge				X	X	RT-2	Steering Race Remover					X	X	
690-XXL	65.0mm Facing Cutter - For HTR-1					X	DT-3i.2	Dial Indicator for DT-3				X	X	SA-3	Shop Apron					X	X	
750.2	Centering Cone Adaptor - For HTR-1					X	DT-5.2	Disc Brake Mount Facing Set				X	X	SAC-2	SuperGrip Carbon and Alloy Assembly Compound: 4oz					X	X	
754.2	33.9mm (1-1/8") Reamer - For HTR-1					X	DW-2	Derailleur Clutch Wrench				X	X	SAW-1	Hacksaw					X	X	
768	43.8mm Pilot - For HTR-1					X	FAG-2	Frame Alignment Gauge				X	X	SBC-1	Spoke, Bearing and Cotter Gauge					X	X	
769	Reamer Extension - For HTR-1					X	FFG-2	Frame and Fork End Alignment Gauge Set				X	X	SBS-1.2	Socket and Bit Set					X	X	
790	55.9mm Pilot - For HTR-1					X	FFS-2	Frame Fork and Tube Straightener				X	X	SBS-3	Socket and Bit Set					X	X	
ASC-1	Anti-Seize Compound: 4 oz					X	FR-1.3	Freewheel Remover: Shimano®, Sachs®, Sun Race®				X	X	SCW-SET.3	Shop Cone Wrench Set: 13mm to 24mm, 26mm and 28mm					X	X	
ATD-1.2	Adjustable Torque Driver	X	X	X	X	X	FR-2	Freewheel Remover: Sun Tour 2-Notch				X	X	SCW-13 to 19	Shop Cone Wrenches: 13mm to 19mm					X	X	
AV-5	Axle and Spindle Vise Inserts					X	FR-3	Freewheel Remover: Sun Tour 4-Notch				X	X	SD-2	Shop Screwdriver - Phillips	X						
AWS-1	Three-Way Hex Wrench: 4, 5, 6mm		X	X	X	X	FR-4	Freewheel Remover: Atom®, Regina®, Splined Zeus®				X	X	SD-3	Shop Screwdriver - Flat	X						
AWS-3	Three-Way Hex Wrench: 2, 2.5, 3mm			X	X	X	FR-5.2	Cassette Locking Tool: Shimano®, SRAM, Sun Race	X			X	X	SD-SET	Shop Screwdriver Set						X	X
AWS-7	Hex/Torx® Compatible Wrench					X	FR-5.2G	Cassette Locking Tool with 5mm Guide Pin: Shimano®, SRAM®, Sun Race®				X	X	SG-6	Threadless Saw Guide						X	X
AWS-10	Fold-Up Hex Set: 1.5, 2, 2.5, 3, 4, 5, 6mm					X	FR-5.2GT	Cassette Locking Tool with 12mm Guide Pin: Shimano®, SRAM®, Sun Race®				X	X	SG-7.2	Oversized Adjustable Saw Guide						X	X
BBP-1.2	Bottom Bracket Bearing Press Set					X	FR-5.2H	Cassette Locking Tool with Handle: Shimano®, SRAM®, Sun Race®		X	X			SG-8	Threadless Saw Guide for Carbon Composite Forks						X	X
BBT-4	Bottom Bracket Tool for 6-notch Campagnolo®					X	FR-6	Freewheel Remover: BMX Freewheels with 1.37x24 TPI				X	X	SGI-7	Saw Guide Insert						X	X
BBT-5/FR-11	Bottom Bracket/Cassette Locking Tool for Campagnolo® (12-tooth)					X	FR-7	Freewheel Remover: Falcon				X	X	SP-7	Side Cutter Pliers					X	X	X
BBT-9	Bottom Bracket Tool - For 16-Notch External Bearing Cups		X			X	FR-8	Freewheel Remover: BMX Freewheels with 30x1mm threads				X	X	SPA-1	Hanger Cup Pin Spanner						X	X
BBT-10.2	Adjusting Cap Tool - For 8-Spline Hollowtech II®			X	X	X	FRW-1	Freewheel Remover Wrench				X	X	SPA-2	Cluster Cone Pin Spanner						X	X
BBT-16	Self-Extracting Crank Cap Tool					X	FTS-1	Fork Threading Set				X	X	SPA-6	Adjustable Pin Spanner						X	X
BBT-18	Bottom Bracket Tool - For 8-Notch Shimano® and ISIS Drive®					X	GS-1	Grease Gun				X	X	SR-12.2	Chain Whip - 5- to 12-Speed Compatible	X					X	X
BBT-19.2	Bottom Bracket Tool - For 16-Notch External Bearing Cups					X	GP-2	Super Patch Kit	X					SR-18.2	Chain Whip - For 1/8" Cogs						X	X
BBT-22	Bottom Bracket Tool - For 30-Tooth Splined Shimano® and ISIS Drive®			X	X	X	GSC-1	GearClean Brush	X	X	X			ST-3	Three-Way Socket Wrench: 8, 9, 10mm						X	X
BBT-27.2	Bottom Bracket Tool - 49mm					X	HBH-2	Handlebar Holder				X	X	STL-2	Rolling Adjustable Shop Stool						X	X
BBT-29	Bottom Bracket Tool - For Dura Ace® 11-speed and FSA® MegaEvo Bearing Cups					X	HBP-1	Hub Bearing Press Set				X	X	SW-0	Precision Spoke Wrench: .127"	X	X	X	X	X	X	X
BBT-30.4	Bottom Bracket Bearing Tool Set					X	HBT-1	Hydraulic Barb Tool				X	X	SW-1	Precision Spoke Wrench: .130"						X	X
BBT-32	Bottom Bracket Tool - For 20 Notch Shimano® and ISIS® Drive		X				HCW-4	Box End 36mm and Bottom Bracket Pin Spanner				X	X	SW-2	Precision Spoke Wrench: .136"	X	X	X	X	X	X	X
BBT-35	Bottom Bracket Tool - Dual-sided					X	HCW-5	Double-Sided Bottom Bracket Locking Hook Spanner				X	X	SW-3	Precision Spoke Wrench: .156"						X	X
BBT-47	Bottom Bracket Tool - Dual-sided					X	HCW-7	30mm and 32mm Head Wrench				X	X	SW-5	DT Torx® Style Splined Nipple Spoke Wrench						X	X
BBT-49.2	Bottom Bracket Tool - 39mm					X	HCW-11	Bottom Bracket Tool for "Slotted" Cups and Cups with "Raised" 16mm Wrench Flats				X	X	SW-11	Spoke Wrench - For Campagnolo®						X	X
BBT-59.2	Bottom Bracket Tool - 41mm					X	HCW-15	36mm and 32mm Headset Wrench	X					SW-12	Spoke Wrench - For Mavic®						X	X
BBT-69.2	Bottom Bracket Tool - 44mm			X	X	X	HCW-17	Fixed-Gear Locking Tool				X	X	SW-13	Spoke Wrench - For Mavic®						X	X
BBT-79	Bottom Bracket Tool - 46mm					X	HCW-18	Bottom Bracket Wrench				X	X	SW-14.5	Spoke Wrench - For Shimano®						X	X
BBT-90.3	Press Fit Bottom Bracket Bearing Set					X	HHP-2	Bearing Cup Press				X	X	SW-15	3-Way Internal Nipple Wrench						X	X
BCB-4.2	Bike Cleaning Brush Set					X	HMR-4	Shop Hammer: 21 oz				X	X	SW-16	Internal Nipple Spoke Wrench: 3.2mm Square Socket						X	X
BFS-1	Bottom Bracket Facing Set					X	HMR-8	Shop Hammer: 8 oz	X	X	X			SW-16.3	Internal Nipple Spoke Wrench: 3/16" Hex Socket						X	X
BO-2	Bottle Opener	X	X	X	X	X	HPG-1	High Performance Grease: 4 oz				X	X	SW-17	Internal Nipple Spoke Wrench: 5.0mm Hex Socket						X	X
BO-4	Corkscrew Bottle Opener					X	HR-12	Hex Wrench: 12mm				X	X	SW-18	Internal Nipple Spoke Wrench: 5.5mm Hex Socket						X	X
BSH-4	Bladed Spoke Holder					X	HR-14	Hex Wrench: 14mm				X	X	SW-19	Internal Nipple Spoke Wrench: 6.0mm Hex Socket						X	X
BT-2	Fourth Hand Brake Tool					X	HR-15	Hex Wrench: 15mm				X	X	SW-20.2	Master Spoke Wrench: .127"						X	X
BTS-1	Bottom Bracket Tapping and Facing Set					X	HT-6	Hex Tool: 6mm				X	X	SW-22.2	Master Spoke Wrench: .136"						X	X
CBP-8	Campagnolo® Crank and Bearing Tool Set					X	HT-8	Hex Tool: 8mm	X	X	X			SW-40	Four-Sided Spoke Wrench: .127"						X	X
CBW-1	Open End Wrench: 8/10mm			X	X	X	HT-10	Hex Tool: 10mm				X	X	SW-42	Four-Sided Spoke Wrench: .136"						X	X
CBW-4	Open End Wrench: 9/11mm			X	X	X	HTR-1	Head Tube Reaming and Facing Set				X	X	SWB-15	3/8" Drive Breaker Bar						X	X
CC-2	Chain Checker					X	HXS-1.2	L-Shaped Hex Wrench Set	X	X				SWR-8	3/8" Drive Ratchet Handle						X	X
CC-4	Chain Wear Indicator	X	X	X	X	X	HXS-3	Stubby Hex Wrench Set				X	X	SZR-1	Shop Scissors						X	X
CCP-22	Crank Puller					X	INF-2	Shop Inflator				X	X	TAP-3	Pedal Tap Set: 1/2" Right and Left						X	X
CCP-44	Crank Puller					X	IR-1.2	Internal Cable Routing Kit				X	X	TAP-6	Pedal Tap Set: 9/16" Right and Left						X	X
CCW-5	Crank Bolt Wrench: 14mm and 8mm					X	JH-1	Bench Top Small Parts Holder				X	X	TAP-7	Frame Tap: 3mm x .5						X	X
CDG-2	Chaining Diameter Gauge					X	LP-7	Utility Pliers		X		X	X	TAP-8	Frame Tap: 5mm x .8						X	X
CF-2	Cutting Fluid: 8 oz					X	MB-1	Magnetic Bowl				X	X	TAP-9	Frame Tap: 6mm x 1						X	X
CL-1	Synthetic Blend Chain Lube: 4 oz					X	MG-2	Nitrile Mechanic's Gloves: S/M/L/XL				X	X	TAP-10	Frame Tap: 10mm x 1						X	X
CM-5.2	Cyclone Chain Scrubber	X		X			MLP-1.2	Master Link Pliers	X	X	X	X	X	TAP-TA-SET	Thru Axle Tap Set							X
CM-25	Professional Chain Scrubber					X	MLS-1	Metal Logo Sign				X	X	TB-2	Emergency Tire Boots	X						
CM-10	Cable and Housing Cutter	X	X	X	X	X	MQ-1	Metric Quad Wrench				X	X	TH-1	Tap Handle: 1/4"						X	X
CNW-2	Chaining Nut Wrench	X	X	X	X	X	MW-SET.2	Metric Wrench Set				X	X	TH-2	Tap Handle: 3/8"						X	X
CP-1.2	Cassette Pliers		X	X	X	X	MW-8	Metric Wrench: 8mm				X	X	TK-4T	Bench Top Tool Kaddy						X	X
CRC-1	Crown Race Cutting Tool					X	MW-9	Metric Wrench: 9mm			X			TL-1.2	Tire Lever Set	X		X				
CRC-15	Crown Race Cutter Adaptor					X	MW-10	Metric Wrench: 10mm			X			TL-4.2	Tire Lever Set						X	X
CRP-2	Adjustable Crown Race Puller					X	MWF-1	Metric Flare Wrench: 8mm/9mm				X	X	TL-5	Heavy Duty Steel Tire Lever Set						X	X
CRS-1	Crown Race Setting System					X	MWR-SET	Ratcheting Metric Wrench Set				X	X	TL-6.2	Steel Core Tire Lever Set		X	X	X	X	X	X
CRS-15.2	1.5" Crown Race Setting System					X	ND-1	Nipple Driver				X	X	TM-1	Spoke Tension Meter						X	X
CSB-1	Carbon Cutting Saw Blade					X	NP-6	Needle Nose Pliers			X	X	X	TNS-4	Deluxe Threadless Nut Setter - For 1" and 1-1/8" Forks						X	X
CT-3.3	Screw Type Chain Tool	X	X	X	X	X	OBW-4	Offset Brake Wrench				X	X	TRY-1	Parts and Beverage Tray						X	X
CT-4.3	Master Chain Tool with Peening Anvil					X	OM-1	Benchtop Overhaul Mat				X	X	TS-4.2	Professional Truing Stand						X	X
CTP	Replacement Chain Tool Pins					5	PAW-6	Adjustable Wrench: 6"			X	X	X	TS-2Di	Dial Indicator Gauge Set						X	X
CWP-7	Compact Crank Puller		X	X			PAW-12	Adjustable Wrench: 12"	X	X		X	X	TS-TA	Thru Axle Adaptors						X	X
DAG-2.2	Derailleur Hanger Alignment Gauge			X	X	X	PH-1.2	P-Handled Hex Wrench Set			X	X	X	TSB-4.2	Truing Stand Base						X	X
DC-1	Digital Caliper					X	PH-T1.2	P-Handled Torx® Compatible Wrench Set			X	X	X	TW-5.2	Small Clicker Torque Wrench						X	X
DCW-1	Cone Wrench: 13/14mm	X	2	X			PP-1.2	Hydraulic Brake Piston Press				X	X	TW-6.2	Big Clicker Torque Wrench						X	X
DCW-2	Cone Wrench: 15/16mm	X	2	X			PPL-2	PolyLube 1000 Grease: 1 lb tub				X	X	TWB-15	15mm Pedal Wrench Crow Foot						X	X
DCW-3	Cone Wrench: 17/18mm																					



## BCB-4.2 Bike Cleaning Brush Set

The BCB-4.2 is a four-piece brush set designed specifically to clean bicycles. Ergonomically designed and featuring dual density, sure grip handles, the BCB-4.2 Bike Cleaning Brush Set includes:

- GSC-1 GearClean brush
- Tapered detail brush
- Frame cleaning sponge/bristle brush
- Soft bristle soaping brush



## DH-1 Dummy Hub

Also called a sleeping hub, the DH-1 slides into rear dropouts and replaces the rear wheel for chain cleaning and transport. The DH-1 works with all derailleur and 1/8" chain. The unique design allows the bike to be shifted and works with open dropout and thru-axle frames up to 12mm.



## NEW

### A CM-5.3 Cyclone™ Chain Scrubber

The CM-5.3 Cyclone Chain Scrubber uses an extra-large solvent reservoir and a series of rotating brushes to get chains sparkling clean. A magnet at the bottom of the Cyclone's solvent reservoir draws particles scrubbed from the chain, effectively keeping them from being redistributed on the chain during cleaning. Durable sponge material draws solvent from the chain as it exits the Cyclone, reducing drips and mess. To make it easy to control and use, we've even added a handle that works on either side of the cleaner. Works with all multi and single-speed bikes as well as both center and rear drive e-bikes.

### RBS-5 Replacement Brush Set for CM-5/5.2/5.3

Includes a complete set of three rotating brushes plus two wicking sponges.

### B CB-4 Bio ChainBrite™

Bio ChainBrite bicycle chain and component cleaning fluid CB-4 is a 100% biodegradable, natural, plant-based degreaser formulated for use in the CM-5.2 Cyclone Chain Scrubber or as a general purpose degreaser. Won't harm alloy, plastic, or rubber parts.

16 oz (472mL) bottle

### C GSC-1 GearClean™ Brush

Park Tool's GearClean Brush has a unique design. A large comfortable handle with a curved, toothed end reaches dirt deep between the gears, and tough nylon bristles clean the derailleur and chain. Saves wear and tear on your chain and freewheel. Works great on brakes or other places where dirt collects. 12-speed compatible. Handy size to take along for quick cleaning anywhere. Made of sturdy nylon.

## CG-2.4 Chain Gang Chain Cleaning System

A dirty drivetrain causes poor shifting and unnecessary wear to expensive parts. The Chain Gang contains everything needed to quickly and easily clean the chain, freewheel cogs, and chainrings. The Chain Gang includes a CM-5.3 Cyclone™ Chain Scrubber, a GSC-1 GearClean™ Brush, and an 8 oz bottle of CB-4 Bio ChainBrite™. The CG-2.4 works on all derailleur bikes and many 3-speed and coaster brake bikes.



## NEW

## CM-25 Professional Chain Scrubber

A daily use shop version of our world famous CM-5.3 Chain Scrubber. The CM-25 features a super tough die cast aluminum case and handle, plus a unique brush/sponge replacement cartridge that makes it easy to keep it running smoothly and working properly. Our proven four-sided scrubbing action makes thoroughly cleaning chains quick and easy. A shop quality cleaner built to give years of constant use.

- Durable A380 aluminum die cast case and removable handle
- Dual sided sponges and wicking pads to help reduce drips
- Rotating brushes clean on all four sides of every link
- Brush and sponge cartridge quickly and easily clicks in and out (RBS-25)
- Locking cover with stainless steel hinge pins
- 100% serviceable

### RBS-25 Replacement Brush and Sponge Cartridge for CM-25

Includes two rotating brushes, two sponges and two wicking pads already installed in a composite cartridge, ready to snap into the CM-25 Professional Chain Scrubber.





## D CF-2 Cutting Fluid

The use of cutting oil or cutting fluid is extremely important when performing any cutting, tapping, facing, or reaming operation. Park Tool Cutting Fluid is a high quality, environmentally safe cutting fluid that extends tool life and makes any frame prep job easier and safer. Park Tool Cutting Fluid can effectively be used on all metals.

8 oz (237 mL) bottle

## E PPL-1 / PPL-2 PolyLube 1000™ Lubricant

Park Tool's poly-urea lubricant was developed specifically for bicycle maintenance and repair. PolyLube 1000 has an extremely high shear strength to protect vital parts under extreme conditions. PolyLube 1000 also repels moisture and is compatible with conventional greases. Available in a handy 4 oz tube (PPL-1) and a 16 oz tub (PPL-2).

## F ASC-1 Anti-Seize Compound

Park Tool Anti-Seize Compound reduces friction in threaded and press fit connections for easy assembly and disassembly. Ideal for bottom bracket and pedal threads, pressed headset cups, seat posts, quill stems, etc. ASC-1 also seals and protects parts from corrosion and rust under the most extreme conditions. For use on steel, aluminum, and titanium.

4 oz (113 g) tube

## G SAC-2 SuperGrip™ Carbon and Alloy Assembly Compound

Helps create a tighter grip between two slippery surfaces. Ideal for carbon, aluminum and steel seatposts, handlebars and stems.

**Note:** Not for threaded surfaces.

4 oz (113 g) tube

## H HPG-1 High Performance Grease

Proprietarily blended specifically for bicycles and bicycle bearings.

- Superior adherence and extended lubrication life
- Extreme temperature range: -20°F to 540°F (-29°C to 282°C)
- Highly water resistant
- Perfect for high end applications including precision ground and ceramic bearings, pivots and suspension components

4 oz (113 g) tube

## I CL-1 Synthetic Blend Chain Lube with PTFE

Using PTFE and a proprietary blend of oils, Park Tool Chain Lube works great in wet or dry conditions. It penetrates, reduces friction, prolongs component life, displaces moisture, and protects parts from rust and corrosion. Also works great on cables, spoke nipples, and derailleur and brake pivots. 4 oz (118 mL) bottle.

## J GG-1 Grease Gun

Use as a self contained grease gun by using the included canister or screw the pump on to any tube of Park Tool grease or anti-seize. Small tip opening ensures precise placement of lube in any application.

## TLR-1 / TLR-2 Threadlockers

Threadlockers lock threaded assemblies and keep them from loosening.

**K TLR-1:** Blue Medium Strength Threadlocker (Competes with Loctite® 242/243™)

**L TLR-2:** Red High Strength Threadlocker (Competes with Loctite® 262/263™)

## M RC-1 Press Fit Retaining Compound

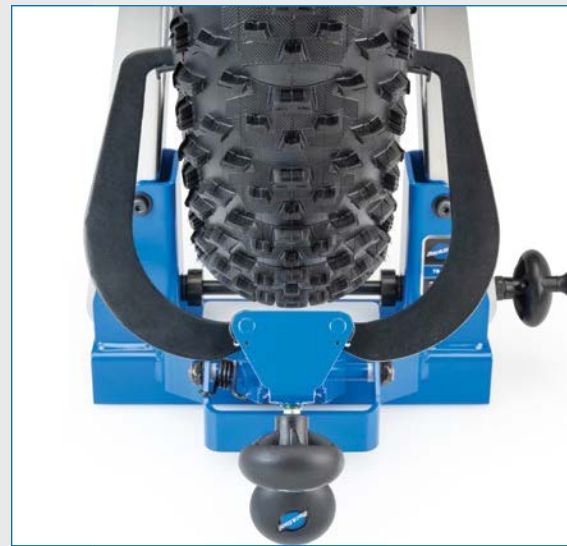
Fills gaps and helps retain non-threaded parts like press fit bottom bracket parts, sealed bearings etc. (Competes with Loctite® 680™)

## N AP-1 Adhesive Primer

Prepares surface, accelerates curing and promotes maximum performance of Park Tool TLR-1 and TLR-2 Threadlockers as well as RC-1 Retaining Compound. (Competes with Loctite® 7649™)

**Note: Must be used on all component, fastener and carbon fiber surfaces in conjunction with thread lockers and retaining compounds that contact carbon fiber such as PF30 bottom brackets or brackets or bearings pressed into carbon fiber frames. Failure to do so could result in permanently bonded parts.**





**NEW**

### TSB-4.2 Truing Stand Tilting Base

Securely holds the TS-4.2 Professional Wheel Truing Stand and tilts 20 degrees from front to back for comfortable wheel work and sightlines at any bench height. Features a wide sturdy base, small parts compartments and spoke wrench holders, and is constructed of a durable composite material.

**NEW**

### TS-4.2 Professional Wheel Truing Stand

Updated to fit an even wider range of hub, wheel and tire combinations with room to spare, utilizing a wider base structure and larger calipers. More accurate and easier to calibrate, the versatile TS-4.2 is solidly built to accommodate and self-center nearly any diameter wheel 16" to 29" and any tire width up to 5"+.

- Both uprights move simultaneously to always keep wheel centered in the stand
- Accommodates tire widths up to 5"+ with or without brake rotor mounted
- Speed knob to quickly change axle widths
- Accommodates hub widths from 75mm to over 250mm
- Precise operation and adjustability
- Built in thru-axle adaptors
- Machined, welded, assembled and calibrated in our factory in St. Paul, MN
- Chrome plated and powder coated heavy gauge steel construction
- Removable, replaceable nylon caliper tips to protect painted/anodized rims





### TS-2Di Dial Indicator Gauge Set

Measures wheels lateral and radial run-out at the same time. The TS-2Di easily mounts to any TS-2, TS-2.2, TS-4 or TS-4.2 and provides measurable accuracy for your truing stand and for your customers. Each dial's measurement reads to .01mm and enables the user to set and follow tolerances for each wheel. Each set comes complete with brackets, dials and specially designed tips.



### 238K Caliper Upgrade Kit

Upgrade your TS-2 to accept larger wheels and wider tires. Set includes a set of left and right calipers along with removable/replaceable composite tips.



### 1554-1 Centering Gauge

Centering Gauge for TS-2, TS-2.2, TS-3, TS-4 and TS-4.2.



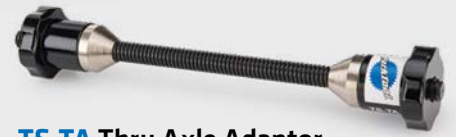
### A TS-8 Home Mechanic Wheel Truing Stand

Designed especially for the home mechanic, the TS-8 allows accurate wheel truing at an economical price. Accepts wheels from 16" to 29", with or without the tire mounted. Innovative sliding dropout allows quick wheel installation, no matter what the hub width (up to 170mm). Dishing (centering) is performed by simply flipping the wheel in the stand. Constructed from heavy gauge steel to resist flexing, the TS-8 can be used freestanding or bolted to a bench for extra stability.

### B TSB-2.2 Truing Stand Tilting Base

Securely holds any of our TS-2, TS-2.2 and TS-2.2P Professional Wheel Truing Stands and tilts 20 degrees from front to back for comfortable wheel work and sightlines at any bench height. Features a wide sturdy base, small parts compartments, spoke wrench holders and is constructed of a durable composite material.

# TS-2 AND TS-2.2 ACCESSORIES



## TS-TA Thru Axle Adaptor

The TS-TA makes it possible to adapt all Park Tool Truing Stands to work with 12mm, 15mm, 20mm and 25mm thru axle wheels, as well as Cannondale® Lefty™ wheels.



## TS-2TA Thru Axle Adaptors

These simple dome shaped adaptors clamp into the "V" shaped axle holders on either the TS-2 or TS-2.2, allowing the stand to be used with wheels using 15mm and 20mm thru axle hubs.



## TS-2EXT.2 / TS-2EXT.3 Truing Stand Extensions/Adaptors

**NEW**

Truing Stand Upright Extensions install in seconds on any TS-2 or TS-2.2 Truing Stand, allowing the stand to be used on wheels with hubs up to 200mm wide (tandem, fat and downhill bikes), as well as on wheels with a 29" mountain bike tire installed. In addition, specially sized bosses serve as adaptors so the stand can be used with wheels using thru-axle hubs with removable axles.

**E TS-2EXT.2:** Standard extensions

**F TS-2EXT.3:** Same features as the the TS-2EXT.2 with the addition of slots to secure rear drive e-bike wheels

**Note:** TS-2.2 does not require this adaptor to accommodate 29" wheels but does require it to fit hub widths from 180mm to 200+mm.



## TS-2.2 / TS-2.2P Professional Wheel Truing Stand

The TS-2.2 is smooth, accurate, more versatile and easier to use than any other stand, anywhere. The TS-2.2 combines time-tested functions and features sure to make your job easier.

- Both axle holding uprights move simultaneously to accommodate hub widths up to 175mm
- Heavy gauge steel, built to last for decades
- Spring loaded calipers and caliper arm to prevent binding
- Longer uprights to accommodate wheels up to 29" with or without a tire
- Strong, stiff uprights to reduce flex and improve accuracy and repeatability
- Removable, replaceable nylon caliper tips to protect painted rims
- Calipers to accommodate tire widths up to 4"

**C TS-2.2:** Nickel chrome plated

**D TS-2.2P:** Blue powder coated



### A WAG-4 Wheel Alignment Gauge

For a wheel to perform properly, it is important for the rim to be centered between the locknuts of the hub, or “dished.” To check this, and to make precision adjustments, a wheel alignment gauge (also called a “dishing tool”) is a must. The WAG-4 allows easy checking of the dish on road, mountain, or BMX wheels from 16” to 29”. It works with any hub width and its innovative design even allows it to be accurately used with the tire still on the wheel. An accurate and truly versatile wheel alignment gauge that belongs alongside every truing stand.

### B WAG-5 Portable Wheel Dishing Gauge

Accurately gauges dish (centering) of 26” to 29” wheels. Disassembles quickly for storage or travel and works with all hub types.

### C SBC-1 Spoke, Bearing, & Cotter Gauge

This handy measuring tool measures spokes in both metric and fractional lengths. It also measures cotter pins and ball bearings. Embossed, anodized aluminum construction.

### D BSH-4 Bladed Spoke Holder

The BSH-4 is a valuable wheel building and truing aid that securely holds bladed spokes in place to prevent twisting. Four different sized slots to fit a wide variety of bladed spokes.

### E TM-1 Spoke Tension Meter

The TM-1 Tension Meter accurately and reliably measures the absolute tension of each of the spokes in a wheel, as well as the relative tension between all the spokes in a wheel. Easy to use and priced affordably, the TM-1 works on nearly any bicycle spoke - no matter what the diameter, material, or shape. The TM-1 is for anyone building or truing wheels, diagnosing wheel problems, or assembling new bikes.

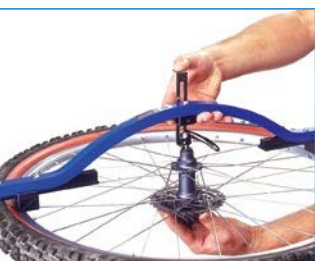
**Note:** The TM-1 Tension Meter includes a printed table to convert tension reading to kilograms force. Because of new and varied steel bladed aerodynamic spokes, there is a web page that acts as a chart calculator for steel bladed spokes not on the table.

#### Useful TM-1 Online Aid:

- The **Wheel Tension Balance Web App** ([www.parktool.com/wta](http://www.parktool.com/wta)) converts readings from the TM-1 into kilograms force values (kgf) and then produces a visual diagram of the relative spoke tension in the wheel. The app converts TM-1 readings for bladed steel spokes, aluminum, Spinerger™ PBO, titanium and carbon fiber Mavic® R2R.

### F ND-1 Nipple Driver

Neatly designed to self-center and drive conventional nipples quickly and easily during wheel building. Built with a comfortable, dual density grip and lined with precision bronze bearings to ensure a long, smooth running life. The ND-1 works with rims up to 50mm deep.

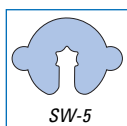
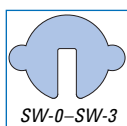




## SW-0 / 1 / 2 / 3 / 5 Spoke Wrenches

Professional quality, precision-sized spoke wrenches are hardened and nickel plated for long service. Park Tool Spoke Wrenches are vinyl coated in one of five colors indicating the size at a glance.

- A SW-0:** (Black) 80 ga./ .127" nipple/3.23mm
- B SW-1:** (Green) 80 ga./ .130" nipple/3.30mm
- C SW-2:** (Red) 80 ga./ .136" nipple/3.45mm
- D SW-3:** (Blue) 105 ga./ .156" nipple/3.96mm
- E SW-5:** (Grey) DT Torx® Style Splined Nipple



**BEWARE OF POOR FITTING IMITATIONS!**

## F SW-7.2 Triple Spoke Wrench

Updated to fit better in the hand with a more rounded, smoother shape. The precision sized SW-7.2 fits the three most popular spoke nipple sizes on the market. Nickel plated for years of service. Designed for the home mechanic.

**Fits the following size spoke nipples:**

**.127"** (3.23mm)      **.130"** (3.30mm)      **.136"** (3.45mm)

## SW-11 / 12 / 13 / 14.5 Double-Ended Spoke Wrench

Forged, double-ended spoke wrenches are precision machined, plated and vinyl dipped for comfort and long life.

- G SW-11:** Fits Campagnolo® 5.5mm and 6.0mm spoke hex nipples.
- H SW-12:** Fits select Mavic® wheels. Smaller end fits 7-spline nipples with a 6.4mm outside diameter. Larger end fits 6-spline 9mm diameter FORE drilled rim adaptors.
- I SW-13:** Fits select Mavic® wheels. Smaller end fits 6-spline nipples with a 5.5mm outside diameter. Larger end fits 6-spline 9mm diameter FORE drilled rim adaptors.
- J SW-14.5:** Fits Shimano® 4.3mm and 3.75mm spoke nipples.

## SW-16 / 16.3 / 17 / 18 / 19 Internal Nipple Spoke Wrenches

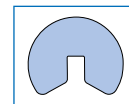
Extra long (3.25"/8.5cm) spoke wrench sockets to fit internal spoke nipples found on many deep section aero rims. Featuring our dual density, ergonomically designed screwdriver handle and available in five sizes:

- K SW-16:** 3.2mm square socket
- L SW-16.3:** 3/16" hex socket
- M SW-17:** 5.0mm hex socket
- N SW-18:** 5.5mm hex socket
- O SW-19:** 6.0mm hex socket

## SW-20.2 / SW-22.2 Master Spoke Wrenches

This spoke wrench is an investment cast workhorse poured from the best steel, precisely machined, heat treated for hardness then polished and plated. The result is a smooth, solid steel spoke wrench designed and built to fit perfectly in your hand and provide years of every day service.

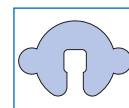
- P SW-20.2:** three sided for .127" (3.23mm) nipples (39g)
- Q SW-22.2:** three sided for .136" (3.45mm) nipples (39g)



## SW-40 / SW-42 Four-Sided Spoke Wrench

Unique four-sided design provides extra strength and support and helps prevent slipping and deformation of aluminum nipples.

- R SW-40:** (Black) 80 ga./ .127" nipple/3.23mm
- S SW-42:** (Red) 80 ga./ .136" nipple/3.45mm



## T SW-15 3-Way Internal Nipple Wrench

Our innovative 3-way "Y" wrench featuring three different sized wrenches to fit internal spoke nipples. Featuring a square drive, plus 5mm and 5.5mm hexes that slip perfectly into the tight surroundings of most rims. The SW-15 works on wheels made by numerous manufacturers including, but not limited to FSA®, Blackwell®, Planet-X®, HED®, Rolf®, Bontrager®, Campagnolo® and Mavic®. Note: Wheel manufacturer's specifications change without notice.





### WH-1 Wheel Holder

**NEW**

No more need to hold wheels between your knees, balance on a bench top or ask for help. The WH-1 Wheel Holder firmly holds thru axle and quick release wheels at three convenient positions. It's like having a strong helper to hold wheels during cleaning, tire and tube work, hub work, cassette work, and tubeless installation. The WH-1 can be bolted or clamped directly to a bench or installed in a bench vise.

### WH-2 Wheel Holder

**NEW**

A simple, one position version of our WH-1 Wheel Holder. The WH-2 is a quick and easy solution to securely hold nearly any wheel to make tire, wheel, cassettes and hub work a snap. Can be bolted or clamped to a bench or installed in a bench vise. Includes axles and adaptors to fit 12, 15 and 20mm thru axles as well as quick release and solid axle hubs.



### PMP-3.2 Micro Pump

This super small micro pump fits in just about any bag or jersey pocket, or mounts directly to the frame. Ideal to take along when space and weight are an issue. Aluminum barrel with a locking dual head and soft-touch, dual-density flip out handle.

- Presta and Schrader valve compatible
- Includes mounting hardware to securely attach to water bottle bosses or under bottle cage
- Max. pressure: 100 psi / 7 bars
- 7-7/8" in length (20cm)
- Approximately 3.7 oz (105 g)

**PMP-3.2:** Black  
**PMP-3.2B:** Blue



### PMP-4.2 Mini Pump

Small enough to carry along yet big enough to pump efficiently. The PMP-4.2 is now available in two colors with all aluminum barrel construction to ensure long life and smooth operation.

- Presta and Schrader valve compatible
- Includes mounting hardware to securely attach to water bottle bosses or under bottle cage
- Max. pressure: 90 psi / 6 bars
- 10.5" in length (26.5cm)
- Approximately 4.6 oz (130 g)

**PMP-4.2:** Black  
**PMP-4.2B:** Blue

### PFP-8 Home Mechanic Floor Pump

Economical, durable and versatile, the PFP-8 is equally at home in the garage, workshop or at the trailhead.

- Composite head with thumb lock fits Presta, Schrader, and Dunlop valves without switching internal parts
- Smooth operating steel barrel
- Super stable steel base with extra large foot pads and giant, easy-to-read gauge
- Comfortable composite handle



## INF-2 Shop Inflator

Built and designed for bicycles, the INF-2 utilizes a redesigned, more durable, dual-sided, 360° rotatable Presta and Schrader head. The INF-2 also sports a new, lighter weight body and a redesigned trigger to facilitate multiple hanging options. It features a built in pressure gauge (0-160 psi / 0-11 bar) with a protective gauge boot and the body will accept any 3/8" NPT male threaded fitting. Built for everyday shop use and 100% rebuildable!







### PTS-1 Tire Seater

This tool is designed to quickly and easily “seat” stubborn tires. Adjustable to fit various tire widths, chrome plated and vinyl dipped for comfort.



### VC-1 Valve Core Tool

A small, handy tool designed to remove and install Schrader and Presta valve cores and to remove and install Presta valve extenders with 5mm wrench flats.

**Note:** Not all Presta valve cores are removable.



### TL-1.2 Tire Lever Set

Updated to be stronger, smoother and more versatile, the TL-1.2 features a new material and redesigned tip for easier entry into just about any tire, including tubeless. The unique design lifts the tire away from the rim and features a spoke hook to use when multiple levers are needed. Sold in sets of three.

**TL-1.2C:** Packaged carded

**TL-1.2:** Display box (25 qty)

See page 66 for TL-1.2 Display Box (25 qty)



### TL-4.2 Tire Lever Set

Updated with a new material and new design. The TL-4.2 features a wide flat tip for easy entry and fast tire removal, ergonomic shape and a handy spoke hook when multiple levers are needed. Perfect for tight beads and tubeless tires. Sold in sets of two.

**TL-4.2C:** Packaged carded

**TL-4.2:** Display box (25 qty)

See page 66 for TL-4.2 Display Box (25 qty)



### TL-5 Heavy Duty Steel Tire Lever Set

The TL-5 Heavy Duty Tire Lever Set is designed for use on the toughest tire and rim combinations. Made of forged steel, these beefy levers are a full 8” (20.3 cm) long for superior leverage. Specially designed tip engages tire bead so it can be removed with just two levers. Ideal for difficult to remove downhill and freestyle tires. Set of two.



### TL-6.2 Steel Core Tire Levers

The TL-6.2 is a composite covered, steel core tire lever that provides smooth, scratch-free operation and superior strength to help remove even the tightest tires. Newly upgraded with a tougher, more slippery material and a protruding steel tip to more easily and securely engage the tire bead. A perfect size (5”/12.7cm) to either take along, or use as an everyday shop lever. Set of two.



## TB-2 Emergency Tire Boot

The fastest, easiest, and most secure way to repair a cut or worn tire sidewall. The TB-2 is produced using a strong, waterproof vinyl membrane with fiber weave reinforcement to keep the inner tube in place. A super strong pressure sensitive adhesive assures the 76mm x 44mm boot stays in place in any tire, road or mountain, high or low pressure. A true ride saver. (3 qty)



## GP-2 Pre-Glued Super Patch Kit

We worked with 3M® to produce a self-adhesive tube patch that stretches, flexes, twists, and turns right along with the tube. No messy glue, no bulky packaging. Lightly roughen tube with the included sandpaper, clean, apply patch, and you're ready to go. Six patches with sandpaper in a neat little carry along box. Available individually carded or in a handy 48 kit countertop display.

**GP-2C:** Packaged carded

**GP-2:** Display box (48 qty)

See page 66 for GP-2 Display Box (48 qty)



## VP-1 Vulcanizing Patch Kit

The VP-1 Patch Kit includes six thin and flexible patches with tapered edges to blend with the tube's profile. Each kit is packaged in a small plastic box with sandpaper for cleaning the tube and instructions.

- Four round patches, 20 mm and 25 mm in diameter, for smaller holes
- Two oval patches, 25 mm x 35 mm, for wider cuts
- Self-vulcanizing fluid bonds the patch to the tube at the molecular level

**VP-1C:** Packaged carded

**VP-1:** Display box (36 qty)

See page 66 for VP-1 Display Box (36 qty)



## TR-1 Tire & Tube Repair Kit

Our popular GP-2 Super Patch Kit and TL-1.2 Tire Levers packaged together as a kit.





### HCW-17 Fixed-Gear Lockring Tool

Two different radius hooks to fit most fixed-gear lockrings and some BMX freewheel lockrings.



### HBP-1 Hub Bearing Press Set

Specifically designed to quickly and accurately press cartridge bearings into a wide variety of bicycle hubs. Features a quick release design for fast tool installation and removal. Includes precision aluminum pilots, spacers and bushings to press more than 20 different cartridge bearing sizes and multiple axle configurations. A complete installation set all in one!



### DCW Double-Ended Cone Wrenches

These cone wrenches are designed for the home mechanic or occasional user. They're made of thin steel and are nickel plated and heat treated for long use. Available in four popular sizes from 13mm to 18mm. Their small size makes them ideal to carry along for quick repairs.

**DCW-1:** 13mm & 14mm      **DCW-3:** 17mm & 18mm  
**DCW-2:** 15mm & 16mm      **DCW-4:** 13mm & 15mm



### SCW-SET.3 Shop Cone Wrench Set

The standard of the industry, Park Tool Shop Cone Wrenches are unmatched in quality and performance. The special "Y" head design puts more material where it's needed for strength and durability. Precision sizing and a military grade industrial phosphate finish ensure an accurate fit and consistent quality. Thin enough to use on the narrowest of adjusting cones, the SCW Shop Cone Wrenches have a long, vinyl dipped handle for leverage and comfortable use.

*Individual sizes available separately:*

<b>SCW-13:</b> 13mm	<b>SCW-17:</b> 17mm	<b>SCW-21:</b> 21mm	<b>SCW-26:</b> 26mm
<b>SCW-14:</b> 14mm	<b>SCW-18:</b> 18mm	<b>SCW-22:</b> 22mm	<b>SCW-28:</b> 28mm
<b>SCW-15:</b> 15mm	<b>SCW-19:</b> 19mm	<b>SCW-23:</b> 23mm	
<b>SCW-16:</b> 16mm	<b>SCW-20:</b> 20mm	<b>SCW-24:</b> 24mm	



### AV-1 Axle Vise

This tool holds the axle so it will not turn while work is done on the hub. It has two different diameter receptacles so it will work on front and rear axles.



### AV-5 Axle and Spindle Vise Inserts

A great shop accessory made to hold a wide variety of axles and spindles. Made from precision extruded aluminum, these vise inserts include top retainer legs and magnets that make for easy bench vise use. The AV-5 features 5, 9, 10, 12, 14, 20, 25, 30, and 36mm jaw openings, plus a mini V-block and a 1" hex for Park Tool freewheel removers.



**A**



**B**



**C**



**D**

### **A DP-2 Threaded Dummy Pedal**

A quick and easy way to make any adjustment during assembly or repair without installing a pedal. Threaded for positive drive side engagement.

### **TAP-3 / TAP-6 Pedal Taps**

Clean out or restore damaged threads in crank arms with these pedal taps. These taps can be used with either steel or alloy crank arms and are available in two popular sizes: 1/2" and 9/16" in both right and left-hand threads. Made of high carbon steel, precision ground, and hardened to stay sharp, they cut easily and fit all conventional tap handles.



**TAP-3:** Set of 2, 1/2" x20 Left and Right

**TAP-6:** Set of 2, 9/16" x20 Left and Right

See page 21 for TH-1 / TH-2 Tap Handles



### **TWB-15 15mm Pedal Wrench Crow Foot**

The TWB-15 is used with any 3/8" drive torque wrench to verify pedals are torqued to the correct spec. Laser cut, heat treated and plated for long life.

### **B PW-3 Pedal Wrench**

Made from Cro-Moly steel for a shop quality pedal wrench made to last. 15mm and 9/16" precision openings and a long, round, vinyl dipped handle that won't dig into your hand like flat pedal wrenches.

### **C PW-4 Professional Pedal Wrench**

The PW-4 Professional Pedal Wrench is designed for heavy shop use. An oversized, asymmetrical head is made from Cro-Moly steel for superior strength and durability. While strong, the PW-4 is thin enough to access all wrench flats.

- Two 15mm wrench openings at 30-degree and 45-degree angles for best mechanical advantage, regardless of pedal position
- Round vinyl dipped handle won't dig into the hand like flat wrenches
- Extra long 14" handle provides the leverage to remove even the tightest pedals

### **D PW-5 Home Mechanic Pedal Wrench**

Designed for the do-it-yourself mechanic or rider, the PW-5 is perfect to take along or for the home workshop. Although economically priced, this 15mm pedal wrench, like all Park Tool products, is built to last. Made from heat-treated spring steel and vinyl dipped for comfort, the PW-5 is 11-1/2" (29 cm) long.







### IR-1.2 Internal Cable Routing Kit

Take the guesswork out of installing cables, wires and housing inside the frame. The IR-1.2 speeds the internal frame routing of electric wires, shift cable/housing, brake cable/housing and hydraulic tubing on carbon fiber, titanium, and aluminum frames. Kit includes four plastic coated 250cm cables with attached magnets and unique fittings plus an external guide magnet to speed operation. Newly updated to include a dedicated E-TUBE® Di2® cable connector that easily pulls through a 6mm frame hole. Opposite polarity magnets on cables seek and attach inside frame tubes, making it easy to route through frame entrances and exits. Works with any size frame including tandems. A true time and frustration saver!



### DT-3 Rotor Truing Gauge

Accurately gauge the straightness of disc brake rotors while the wheel is mounted in a TS-2, TS-2.2, TS-4 or TS-4.2 Professional Wheel Truing Stand. The DT-3 features an infinitely adjustable, finely threaded indicator gauge. Works with any diameter brake rotor.



### DT-2 Rotor Truing Fork

Specially designed, and precisely manufactured to gently adjust bent or damaged brake rotors. Each DT-2 features two different slot depths laser cut from high quality steel. Center handle is vinyl dipped for comfort.



### DT-3i.2 Dial Indicator for DT-3

Dial Indicator Set bolts directly to the DT-3 allowing for greater accuracy and a way to measure results. Includes an elongated, cylindrical tip that is large enough to work around voids in most rotors.



### PP-1.2 Hydraulic Brake Piston Press

The unique shape and size of the PP-1.2 is perfect for compressing the hydraulic piston by pushing the brake pads apart to speed service and pad replacement. Slide the polished, wedge-shaped tool between pads to expand the gap and pre-set the pistons into the caliper.





### DT-5.2 Disc Brake Mount Facing Set

Engineered and built to accurately face front or rear disc brake mounts to be precisely aligned to the rotor.

- Faces any IS Mount, Post Mount or Flat Mount including low clearance, chainstay mounts
- Works with any configuration of open or thru axle dropouts and dropout widths (including Boost 110, Boost 148 and all fat bike) axles by using telescoping axle adaptors
- Includes two different cutters: one for IS Mounts and one for Post and Flat Mounts



### DT-5UK Adjustable Axle Set

Upgrades the DT-5 to the DT-5.2.

**Includes**

- Four telescoping axle adaptors
- Two stand off studs for Flat Mount alignment
- 12mm front fork thru axle sleeve







**NEW**

### HBT-1 Hydraulic Barb Tool

This handy tool will save time and frustration! Quickly and accurately cuts hydraulic brake line then precisely installs hose barbs into the tubing when the brake line is either on or off the bike.

- Cuts hydraulic brake hose (does not cut steel braided hydraulic hose)
- Installs press-in style barbed hose inserts
- Replaceable parts including push pin tip and stainless steel blade
- Hard anodized body for improved tool wear
- Lightweight, CNC machined aluminum body



### CN-10 Professional Cable & Housing Cutter

The CN-10 Cable and Housing Cutter is a shop quality cutter designed specifically for use on all bicycle cables and housing, including hard-to-cut index housing. The CN-10 has cold forged, heat treated steel handles for strength and precision ground cutting jaws for a clean cut on every cable. Dual density molded grips are specially contoured for superior comfort and control. The CN-10 has a built in crimper for cable end caps and a forming hole for reforming housing ends and housing ferrules. A wire latch holds the handles together when not in use.



### OBW-4 Offset Brake Wrench

A thin offset wrench with 10, 11, 12 and 13mm openings made to fit and adjust many models of side pull and dual pivot brakes.



### CBW-1 / CBW-4 Metric Wrenches

These small, nickel plated wrenches can be used on brakes, derailleurs, etc.

- CBW-1:** 8mm open and 10mm open
- CBW-4:** 9mm open and 11mm open



### OBW-3 Offset Brake Wrench

A thin, dual-purpose offset brake wrench featuring a 14mm opening and hooks that fit into tension springs to help center caliper brakes.



### BT-2 Cable Stretcher

Commonly referred to as a "4th Hand," the Park Tool Cable Stretcher pulls cables tight. It features one-hand operation with a thumb lock to hold the cable tight while your hand is removed to tighten pull-up bolts and nuts. Made from heat treated steel, chrome plated, and featuring cushion grips for comfort. A must for any shop, home or professional.

**NEW**

### MWF-1 / MWF-2 Metric Flare Wrenches

Used to safely open and close the compression nut on hydraulic calipers and levers. Forged from CR-v, chrome plated and vinyl dipped, the MWF wrenches feature semi-box shaped openings to reduce the risk of damage to fittings while still gripping firmly.

- MWF-1:** 8mm and 10mm
- MWF-2:** 7mm and 9mm





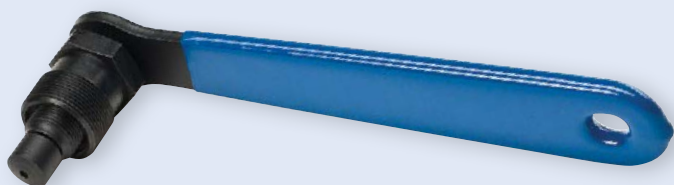
## CBP-8 Campagnolo® Crank and Bearing Tool Set

A complete tool set to work on both Campagnolo® and Fulcrum® Ultra-Torque® and Power Torque™ crank and bottom bracket systems. The CBP-8 includes a beefed up bearing and crank puller and all the fittings necessary to remove and install both systems. Set includes:

- Bearing puller that fits both Power Torque™ and Ultra-Torque®
- Crank puller for Power Torque™
- Bearing setter for both Power and Ultra-Torque®
- Removal adaptor for Power Torque™ crank bearings
- Removal protection pads for use with carbon cranks
- Removal protection adaptor for use with aluminum crank arms
- Crank removal extension plug for Power Torque™

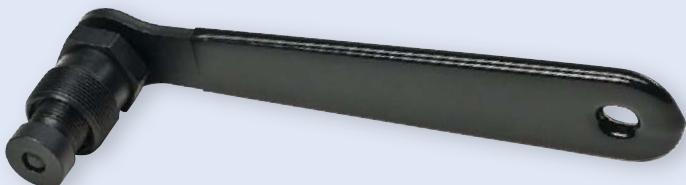






### CCP-22 Crank Puller

A favorite of shop mechanics for over 40 years, the CCP-22 removes cranks using a square taper, Power Drive™, or Power Spline™ bottom bracket interface. A long, comfortable, built-in handle and fine thread provide the leverage needed to remove even the tightest cranks. Designed with a rotating tip to ensure smooth operation and long life.



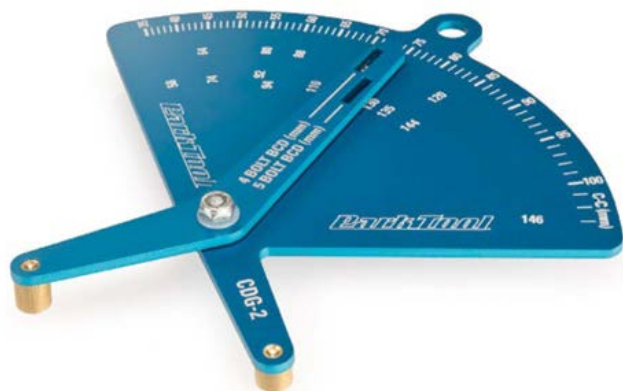
### CCP-44 Crank Puller

The CCP-44 is specifically designed to remove cranks using an Octalink® or ISIS Drive bottom bracket interface. Uses a comfortable handle, fine thread, and a special rotating tip for superior leverage, smooth operation, and years of trouble-free service.



### CWP-7 Compact Crank Puller

Includes two rotating tips (11.3mm and 16.3mm) and built in wrench flats allowing the tool to remove cranks using a square taper, Octalink®, ISIS Drive, Power Drive™ or Power Spline™ bottom bracket interface.



### CDG-2 Chainring Diameter Gauge

The CDG-2 easily and accurately measures bolt circle diameter (BCD) in millimeters for a wide variety of four and five bolt chainring patterns. Made of anodized aluminum and permanently laser engraved, the tool centers itself in chainring holes, chainring bolts or crank arm holes. The CDG-2 also includes a center to center distance scale and a handy reference chart listing additional mounting pattern measurements.



### CCW-5 Crank Bolt Wrench

The CCW-5 features both 14mm socket and 8mm hex wrench on a long, comfortable handle.



### CNW-2 Chainring Nut Wrench

The CNW-2 securely holds the slotted nut to prevent spinning when tightening or loosening the bolt. Double-ended to fit most slotted-type nuts.



### SPA-1 / SPA-2 Pin Spanners

Versatile pin spanners are tough, precisely machined yet economically priced.

**SPA-1:** (Green) Fits adjusting cup on most three-piece cranks

**SPA-2:** (Red) Fits one-key release caps and adjusting cone on most freewheels



### SPA-6 Adjustable Spanner

This spanner uses hardened, replaceable pins. Designed for heavy-duty use, the distance between pins is adjustable, allowing use on virtually any hanger cup.

Replacement Pins: 1501



### HCW Crank & Bottom Bracket Wrenches

**A HCW-4:** 36mm box-end and bottom bracket pin spanner

**B HCW-5:** Double-sided bottom bracket locking hook spanner

**C HCW-11:** Fits slotted bottom bracket adjusting cups and cups with raised 16mm wrench flats

**D HCW-18:** Fits slotted adjusting cones and three-notched fixed-cones on some one-piece cranks

**E 1501:** Replacement pins for HCW-4 and SPA-6



### BBP-1.2 Bottom Bracket Bearing Press Set

**NEW**

The BBP-1.2 quickly and accurately installs bottom bracket bearings into press fit-type bottom bracket shells.

- Features a quick release design for fast tool installation and removal
- 12 precision-machined bushings (in 9 sizes) to fit these bottom bracket configurations
- Works on all bottom bracket widths from 68mm to 150mm

### BBT-30.4 Bottom Bracket Bearing Tool Set

Designed and built to install and remove BB30 bearings. The BBT-30.4 features a bushing set used in conjunction with a head cup press to quickly and precisely press the BB30 and PF30 bearings into the bottom bracket shell. The included BB30 bearing remover works from inside the shell to easily push out bearings. Updated in 2017 to also remove PressFit 30 (PF30), EVO 386, BBright™ and PF121.

### BBT-90.3 Press Fit Bottom Bracket Bearing Tool Set

The BBT-90.3 is designed to remove and install the bearings and press fit bearing units used in BB92, Shimano® press fit, SRAM® PressFit GXP®, Race Face® press fit and other press fit bottom bracket systems. Includes a bearing removal tool, which slides through and expands behind the bearing so it can be tapped out with a hammer. Also includes two bearing installation bushings, which are used in conjunction with an HHP-2 or HHP-3 Head Cup Press to press the bearings into the bottom bracket shell.



### BBT-35 Bottom Bracket Tool

Dual-sided

- Fits Praxis® M30 and M35  
M30: 12 notch 48 mm OD cup  
M35: 36 notch 51.7 mm OD cup



Side 1



Side 2

### BBT-47 Bottom Bracket Tool

Dual-sided

- Fits Enduro® T47  
(16 notch 52.2 mm OD cup)
- Fits Enduro® PF30  
(16 notch 52.2 mm OD cup)
- Fits Chris King® ThreadFit™ 30  
(12 notch 50.4 mm OD cup)
- Fits Chris King® ThreadFit™ T47 series  
(12 notch 50.4 mm OD cup)



### BBT-4 Bottom Bracket Tool

The BBT-4 is used to remove and install 6-notch cartridge cups used on Campagnolo® Veloce®, Mirage®, Centaur®, Daytona® and Avanti® sealed cartridge bottom brackets. The handle is vinyl dipped for comfort.



### BBT-9 Bottom Bracket Tool

The BBT-9 is used to remove and install Shimano®, Race Face®, FSA®, Truvativ®, SRAM®, Campagnolo®, and similar bottom bracket cups with 16 external notches and an outside diameter of 44mm. Also removes and installs 8-point Shimano® Hollowtech® II crank arm adjusting caps.



### BBT-29 Bottom Bracket Tool

The BBT-29 is designed to fit 16-notch bearing cups with an outside diameter of 39mm (Shimano® Dura-Ace® 9000 series and XTR® 980 series) as well as 16-notch bearing cups with an outside diameter of 48.5 mm (FSA® MegaEvo®).



## BBT-5 / FR-11 Bottom Bracket / Cassette Tool for Campagnolo®

Removes and installs all Campagnolo® cassette lockrings (including 11-speed) and 12-splined Campagnolo® bottom bracket cups.



## BBT-10.2 Adjusting Cap Tool

Designed to remove and install the adjusting cap plus lift the safety plate on Shimano® Hollowtech® II crank/bottom bracket systems. Steel, investment cast body provides good leverage and includes an option to use with an 8mm hex wrench for removing seized caps.



## BBT-16 Self-Extracting Crank Cap Tool

The BBT-16 removes and installs the self-extracting/one-key release caps on SRAM® and Race Face® cranks with a 16mm hex hole. Features investment cast steel construction and an option to use 8mm hex for better leverage.



## BBT-18 Bottom Bracket Tool

The BBT-18 is a heavy duty, investment cast tool for installing and removing all Shimano®, SRAM®, and ISIS Drive eight-notch bottom bracket cups. Features 36mm wrench flats.



## BBT-19.2 Bottom Bracket Tool

Made from high precision, hardened Cro-Moly steel the BBT-19.2 can be turned with a 3/8" drive wrench, 1" wrench or Park Tool FRW-1 Freewheel Remover Wrench. Fits 16-notch 44mm diameter bottom bracket cups.



## BBT-22 Bottom Bracket Tool

With 20 teeth and a diameter of 32mm, this is a shop quality tool for installing and removing many Shimano® cartridge bottom brackets as well as cartridge bottom brackets from many other manufacturers. Also fits some model crankset lockrings like Race Face®. The investment cast steel body utilizes a flat tooth profile to ensure maximum engagement with bottom bracket cups. Can be turned with a 3/8" drive torque wrench, 3/8" ratchet driver, 32mm wrench, 1" wrench, or FRW-1 Freewheel Remover Wrench.



## BBT-32 Bottom Bracket Tool

This economical tool is perfect for the home mechanic. With 20 teeth and a diameter of 32mm the BBT-32 fits installs and removes many Shimano® cartridge bottom brackets as well as cartridge bottom brackets from many other manufacturers. Also fits some model crankset lockrings like Race Face®. Can be turned with a large adjustable wrench or a 32mm wrench.



## BBT-27.2 / 49.2 / 59.2 / 69.2 / 79 Bottom Bracket Tools

Precision CNC machined aluminum tools for the installation and removal of external bearing bottom bracket cups. Featuring updated tooth profiles to optimize the fit between the tool and high performance BB parts. Anodized and laser engraved for easy identification and featuring a ratchet/torque wrench compatible 3/8" drive.

### BBT-27.2

- Fits FSA® MegaEvo® (16 notch 48.5mm OD cup)
- Fits Wheels Mfg™ PF30 (16 notch 49.3mm OD cup)

### BBT-49.2

- 16 notch 39 mm OD cup
- Fits Shimano® XTR® BB93, Dura-Ace® BB9000
- Added depth to fit Shimano® STEPS® square drive motor

### BBT-59.2

- 16 notch 41 mm OD cup
- Fits Shimano® BBR60 (Ultegra® 11-speed, Deore XT® MT800)

### BBT-69.2

- 16 notch 44mm OD cup
- Fits Shimano® BB80, BB5700, XT BB70, BB51, and previous external bearing threaded cups; external threaded types for Campagnolo®, Chris King®, FSA® MegaExo®, Hope™, SRAM®/Truvativ® GXP®, Race Face® X-type, Surly®, Wheels Mfg™ and others

### BBT-79

- 12 notch 46mm OD cup
- Fits Race Face® Cinch®, Rotor® BSA30, Zipp® Vuma™, Hawk Racing™ BB3086™, Chris King®, SRAM® DUB® and others

NEW







## FR-5.2H Cassette Lockring Tool with Handle

A fast and convenient tool to remove and install the 12-spline Shimano®/SRAM® (including 1x), style cassette lockrings, as well as similar lockrings on rotor discs. The FR-5.2H features a modified FR-5 tool that allows use without removing most quick release skewer nuts. The removable, threaded steel handle makes it possible to replace a worn or damaged head.

**2301:** Replacement Head



## FR Freewheel & Lockring Removers

Heat treated alloy steel, one inch base fits wrench, Park Tool FRW-1 or bench vise. Thin wall construction allows use without removal of cones and locknuts on most hubs.

**A FR-1.3:** 12 splines, 22.6mm diameter. Fits Shimano®, Sachs®, Aris®, SunRace®, DNP Epoch™ and other 5-12 speed freewheels. The FR-1.3 includes an enlarged thru-hole to accommodate 14mm axles.

**B FR-2:** 2 notches, 25mm diameter. Fits Sun Tour® two notch freewheels.



**C FR-3:** 4 notches, 24mm diameter. Fits all Sun Tour® four-notch freewheels since 1986.

**D FR-4:** 20 splines, 21.6mm diameter. Fits all Atom™ freewheels.

**E FR-5.2:** 12 splines, 23.5mm diameter. Fits Shimano®, SRAM® (including 1x), SunRace®, Sun Tour®, Chris King® and other cassette lockrings. Also fits some disc brake lockrings with 12 internal splines.

**F FR-6:** 4 notches, 40mm diameter. Fits four-notch BMX/single-speed freewheels on hubs with 1.37x24 TPI threads.

**G FR-7:** 12 splines, 22.9mm. Fits all Falcon® freewheels.

**H FR-8:** 4 notches, 32mm diameter. Fits four-notch freewheels on "flip-flop" BMX hubs with 30 x 1mm threads.

**I BBT-5/FR-11:** 12 splines, 22.8mm diameter. Fits all Campagnolo® cassette lockrings (including 11-speed) and splined, 12-tooth Campagnolo® bottom bracket cups.

**J FR-5.2G:** 12 splines, 23.5mm diameter. Fits Shimano®, SRAM® (including 1x), SunRace®, Sun Tour®, Chris King® and other cassette lockrings. Also fits some disc brake lockrings with 12 internal splines. Guide pin stabilizes tool.

**K FR-5.2GT:** Made specifically for use in thru-axles utilizing a guide pin to stabilize the tool. 12 splines, 23.5mm diameter. Fits Shimano®, SRAM® (including 1x), SunRace®, Sun Tour®, Chris King® and other cassette lockrings. Also fits some disc brake lockrings with 12 internal splines.



## BDT-1 Belt Drive Sprocket Remover

Solidly holds belt drive rear sprockets similar to how a chain whip holds a chain drive sprocket, so the nut or lockring can be removed. Fits most major manufacturer's sprocket sizes.



## FRW-1 Freewheel Remover Wrench

This tool securely holds freewheel and locking tools (FR-1.3 through FR-8, BBT-5/FR-11, BBT-19.2/22) for removal and installation. Features an investment cast head and a long, round, vinyl dipped handle for superior leverage.



## NEW

### HCW-16.3 Chain Whip / Pedal Wrench

15mm pedal wrench combined with a 5 to 12-speed (including SRAM® AXS®) compatible chain whip. A great combination for the home or traveling mechanic.



## NEW

### SR-12.2 / SR-18.2 Sprocket Remover / Chain Whip

This combination chain whip and freewheel / locking remover wrench is heat treated to prevent bending and flexing and works with any cassette or freewheel. It also features hardened pins to keep the chain in place and a comfortable handle. Hex opening fits Park Tool freewheel and cassette locking tools.

**SR-12.2:** 5 to 12-speed cassettes (including SRAM® AXS®) and freewheels (shown)

**SR-18.2:** 1/8" fixed gear sprockets



## NEW

### SR-2.3 Sprocket Remover / Chain Whip

This shop quality chain whip gives you incredible leverage without worry of slippage. Heavy duty, heat treated head with a round vinyl coated handle. Hardened pins hold chain securely. Fits 5 to 12-speed cassettes (including SRAM® AXS®) and freewheels.



## NEW

### CP-1.2 Cassette Pliers

Secure engagement, easy to use and fast! The CP-1.2 quickly grips cogs from 9 to 24 teeth with no manual adjustments. A great shop tool, the CP-1.2 is 13.7" (35cm) long and can be used with one hand to hold any cassette solidly during lock ring removal. Forged steel construction with a spring loaded return and comfortable dual density grips. Fits 5 to 12-speed cassettes (including SRAM® AXS®) and freewheels.





**A CC-4 Chain Checker**

The CC-4 is a drop-in style gauge that measures bicycle chain wear. The laser cut CC-4 accurately measures a long section of chain and strategically comes in contact with the chain in three places, quickly and easily taking the guesswork out of knowing when chain replacement is necessary. A worn chain will cause poor shifting as well as accelerate drivetrain wear. The tool works on any 5 to 12-speed derailleur chain (including SRAM® AXS®) and is designed to accurately indicate when a chain reaches .5% and .75% wear, the points at which most chain manufacturers suggest replacement.

**B CT-3.3 Chain Tool**

A professional quality shop chain tool that works on 5-speed to 12-speed road and mountain bike derailleur chains\*, including SRAM® AXS® 12 speed, as well as 1/8" and 3/16" chains. The CT-3.3 features an adjustable locating shelf so it works on any width chain to remove and install chain rivets. Built to last and easy to use, the CT-3.3 features a comfortable handle, investment cast steel body and replaceable driving pin (#CTP).

**Note:** CT-3.3 will notpeen Campagnolo® chain rivets (see CT-4.3).

**C CT-4.3 Master Chain Tool with Peening Anvil**

Designed to work with the tight tolerances and narrow profiles of 10 to 12-speed chains, but also works on most other 5 to 9-speed derailleur chains. The CT-4.3 is a powerful, precise tool designed to quickly and accurately remove and install chain rivets. Without a doubt the most accurate chain tool we've ever built.

- Compatible with 5 to 12-speed derailleur chains
- Includes removable peening anvil for peening Campagnolo® 11 and 12-speed chains
- Integrated Link Pocket ensures precise alignment
- Perfectly contoured cushioned handles
- Precisely machined investment cast body and components



**Note:** The CT-4.3 is NOT compatible with chains that use a non-standard/non-hourglass shape such as the SRAM® RED® AXS® 12-speed and the Shimano® XTR® 12-speed.

**D CT-5 Mini Chain Tool**

This small chain tool goes anywhere and actually performs like a shop quality tool. The fine thread, special "V" shaped handle, and super strong replaceable pin make chain removal and installation a breeze.

- Works on derailleur chain including 5 to 12-speed chains
- Shelf for loosening tight links
- Perfect take-along chain tool at only 77 grams

**Note:** CT-5 will notpeen Campagnolo® chain rivets (see CT-6.3).

**E CC-3.2 Chain Checker**

A worn chain shifts poorly and wears sprockets at an accelerated rate. The CC-3.2 is a go/no-go gauge designed to accurately indicate when a chain reaches .5% and .75%, the points at which most chain manufacturers suggest replacement.

**E CC-2 Chain Checker**

Now you can quickly and accurately determine the wear and stretch of any chain with the Park Tool Chain Checker. Simply insert the Chain Checker's pins into two links, press the swing arm gauge tight, and then check the gauge window for an accurate reading. The CC-2 is 7 to 12-speed compatible. Refer to chain manufacturer's wear percentage replacement guidelines.

**G MLP-1.2 Master Link Pliers**

Many bicycle derailleur chains use a "master link" to separate the chain during removal and to join the chain during installation. While these master links can be removed and installed by hand, often times dirt, corrosion and wear can make the process difficult. MLP-1.2 Master Link Pliers make removal and installation of these master links quick and easy.

**985-1 Replacement Chain Tool Pin**

The 985-1 is the replacement pin for the CT-6, CT-6.2, and CT-6.3 chain tool. Made from hardened alloy tool steel.

**CTP Replacement Chain Tool Pin**

These pins fit Park Tool's CT-1, CT-2, CT-3, CT-3.2, CT-3.3, CT-5 and CT-7 Chain Tools. Made from hardened alloy tool steel.

**CTP-C:** Packaged carded in pairs  
**CTP:** Bulk

**CTP-4K Replacement Chain Tool Kit for CT-4 / CT-4.2 / CT-4.3 / CT-11**

Includes four replacement pins and one replacement bearing.





A

B

C

D

E

F

G



## BTS-1 Bottom Bracket Tapping & Facing Set

The BTS-1 is a precision tool system that provides a piloted means of tapping threaded bottom bracket shells. Facing cutter and handles are kept perfectly square to shell faces by taps inside the shell during the facing process. The BTS-1 includes two handles, a cutting facer, and one pair of English/BSC/ISO taps in right hand and left hand thread. Italian thread taps, 36mmx24 TPI are available as accessories.

**Individual replacement/optional cutters available for BTS-1:**

- #691: 1.370" x24 TPI Right Hand Tap – English
- #692: 1.370" x24 TPI Left Hand Tap – English
- #693: 36mmx24 TPI Right Hand Tap – Italian (2 required)
- #690: 45mm Facing Cutter



647L Left Hand T47 Tap  
(47mm x 1.0)



690-XL 57mm Facer



750.2 Oversized Centering Cone Adaptor (38-60mm head tube & BB shells)



751.2 30.1mm Reamer<sup>2</sup>



763 30.0mm Pilot<sup>3,4</sup>

<sup>1</sup> Included with BFS-1  
<sup>2</sup> Included with BTS-1  
<sup>3</sup> Included with HTR-1  
<sup>4</sup> Included with HTR-1B

## BFS-1 Bottom Bracket Facing Set

The Bottom Bracket Facing Set allows for facing threaded bottom bracket shells. Includes handle, cutting facer, two threaded inserts for English/BSC/ISO threaded shells, washer, tension spring, and speed nut. Tension spring system provides greater pressure to facing cutter than hand pressure of BTS-1.

**Replacement parts/options:**

- #681: 1.370x24 right hand bushing (English)
- #682: 1.370x24 left hand bushing (English)
- #690: Facer
- #688: 36mmx24 TPI right hand bushing (Italian)



## HTR-1 / HTR-1B Head Tube Reaming & Facing Set

The HTR-1 combines reaming and facing for both head tube and unthreaded bottom bracket shells.

- Quick-release centering cone speeds adjustment to different head tube and shell lengths
- Optional accessories include 20 different reamers and facers for numerous headset and bottom bracket standards (see page 52)

**HTR-1:** Includes the #751.2 reamer (30.1mm), #690 facer and four different pilots (29.75, 29.95, 33.75, and 36.75mm)

**HTR-1B:** Includes all components of the HTR-1 but uses the #754.2 reamer (33.9mm) in place of #751.2 reamer (30.1mm)

**HTR-HS Reamer/Facer Handle Set:** Build your own tool by adding cutters, reamers and facers to the HTR-HS. Includes handle and shaft, quick release center cone unit and nut.



# Head Tube and Bottom Bracket Shell Cutters, Bushings and Pilots for HTR-1, HTR-1B, BTS-1, and BFS-1

**NEW**



## Tools Required for Machining Frame Bottom Bracket Shell

Bottom Bracket Standard	Bottom Bracket Shell Dimension	Required for Tapping and Facing	Required for Reaming and Facing	Required for Reaming Only	Required for Facing Only
Threaded T47	46mm I.D.	BTS-1, 647L, 647R, 690-XL	—	—	BFS-1 or BTS-1, 648L, 648R, 690-XL
Threaded English	33.7mm I.D.	BTS-1, 691, 692, 690	—	—	BFS-1 or BTS-1, 690, 681, 682
Threaded Italian	35mm I.D.	BTS-1, 693 (2 required), 690	—	—	BFS-1 or BTS-1, 688 (2 required), 690
BB30	42mm I.D.	—	HTR-1 or 1B, 752, 690-XL, 750.2	HTR-1 or 1B, 752, 750.2	—
PF30	46mm I.D.	—	HTR-1 or 1B, 690-XL, 750.2, 791	—	HTR-1 or 1B, 690-XL, 791P, 750.2
BBright Direct Fit	42mm I.D.	—	HTR-1 or 1B, 752, 690-XL, 750.2	HTR-1 or 1B, 752, 750.2	—
BBright Press Fit	46mm I.D.	—	HTR-1 or 1B, 690-XL, 750.2, 791	—	HTR-1 or 1B, 690-XL, 791P, 750.2
386 EVO	46mm I.D.	—	HTR-1 or 1B, 690-XL, 750.2, 791	—	HTR-1 or 1B, 690-XL, 791P, 750.2
BB86/92, PF41, PF24	41mm I.D.	—	HTR-1 or 1B, 744, 690-XL, 750.2	—	HTR-1 or 1B, 764, 690-XL, 750.2

## Tools Required for Machining Frame Head Tube

Headset Standard	Headset Cup Dimension	Frame Head Tube Dimensions	Required for Reaming and Facing	Required for Facing Only
1" External Cup—JIS	30.00 - 30.10mm O.D.	29.85 - 29.90mm I.D.	—	HTR-1 or 1B, 762, 690
1" External Cup—Professional	30.20 - 30.30mm O.D.	30.05 - 30.10mm I.D.	HTR-1 or 1B, 751.2, 690	HTR-1 or 1B, 763, 690
1-1/8" External Cup	34.05 - 34.15mm O.D.	33.90 - 33.95mm I.D.	HTR-1 or 1B, 754.2, 690	HTR-1 or 1B, 765, 690
1-1/4" External Cup	37.05 - 37.15mm O.D.	36.90 - 36.95mm I.D.	—	HTR-1 or 1B, 766, 690
1-1/2" External Cup	49.70 - 49.75mm O.D.	49.57 - 49.61mm I.D.	HTR-1 or 1B, 758.2, 750.2	HTR-1 or 1B, 767, 690-XL, 750.2
1-1/8" Internal Cup—ZS	44.05 - 44.10mm O.D.	43.95 - 44.00mm I.D.	HTR-1 or 1B, 788, 690-XL, 750.2	HTR-1 or 1B, 768, 690-XL, 750.2
1-1/2" Internal Cup—ZS	55.99 - 56.04mm O.D.	55.90 - 55.95mm I.D.	HTR-1 or 1B, 789, 690-XXL, 750.2	HTR-1 or 1B, 790, 690-XXL, 750.2
1-1/8" Integrated—IS Top	no cup	41.10 - 41.2mm I.D., 3.10 - 3.20mm Depth	HTR-1 or 1B, 756S, 750.2	—
1-1/8" Integrated—IS Bottom	no cup	41.10 - 41.2mm I.D., 6.90 - 7.0mm Depth	HTR-1 or 1B, 756S, 750.2	—
1-1/8" Integrated—Italian Top	no cup	41.95 - 42.05mm I.D., 2.8-3.0mm Depth	HTR-1 or 1B, 761S, 750.2	—
1-1/8" Integrated—Italian Bottom	no cup	41.95 - 42.05mm I.D., 6.60 - 6.80mm Depth	HTR-1 or 1B, 761S, 750.2	—
1-1/4" Integrated	no cup	47.05-47.1mm ID	HTR-1 or 1B, 799, 690-XL, 750.2	—
1-1/2" Integrated	no cup	52mm	HTR-1 or 1B, 738, 690-XL, 750.2	—

**Note:** The headset and bottom bracket standards listed in the tables on this page use head tubes and bottom bracket shells that can be machined using Park Tool products. This is not an exhaustive list of headset and bottom bracket standards used in the bicycle industry. Head tubes, headset parts, bottom bracket shells and bottom bracket parts should always be accurately measured to ensure the correct tools are used.





### CRC-15 Crown Race Cutter Adaptor

Used in conjunction with the CRC-1 Crown Race Cutting Tool to machine 39.8mm crown race seats (1.5" standard) on tapered forks with 1-1/8" steerer tubes. Includes precision-machined adaptor body and 39.8mm high-speed steel crown race cutter. The CRC-15 will work on forks with a maximum 1.5" taper of 4.25 inches.



### CRC-1 Crown Race Cutting Tool

The CRC-1 is a professional cutting tool for machining fork crown race seats. The tool cuts the outside diameter of the seat and then faces the fork's lower seat surface. This ensures proper headset fit, performance, and longevity.

- Adjustable collet system allows precise and snug handle fit to 1" and 1-1/8" steering tubes
- Includes high speed steel cutters in 26.5, 27.1 and 30.1mm crown race seat sizing
- Use with the CRC-15 for 1-1/8" to 1-1/2" tapered column forks

### FTS-1 Fork Threading Set

The FTS-1 Fork Threading Set is designed for cutting new threads and for chasing existing threads on fork columns that are not chromed.

- Expandable split cutting dies are made from the highest quality high-speed steel for precision cutting and long life
- Guide system ensures cutting will start square and straight to unthreaded steering tubes
- Thread guide system allows chips to fall through the guide, preventing damage to the fork threads and the tool
- Includes die handle, 1" x24 tpi cutting die (Part #606), and 1" cutting guide (Part #610)

Accessory dies and guides are also available separately:

#607: 1-1/8" x26 die

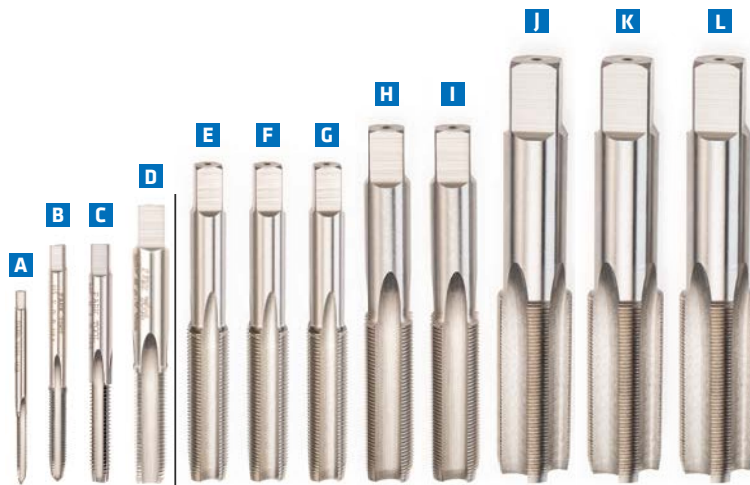
#608: 1-1/4" x26 die

#611: 1-1/8" guide

#612: 1-1/4" guide



See CF-2 Cutting Fluid on page 29 with Lubrication and Assembly Compounds



### TAP Frame and Fork Taps

Frame and Fork Taps will become a lifesaver at some time for virtually every mechanic. These taps are made of high carbon steel and are precision ground. Park Tool Frame and Fork Taps cut easily and fit conventional tap handles.

- A** TAP-7: 3mm x .5, rear wheel dropout alignment screws
- B** TAP-8: 5mm x .8, water bottle, toe clip, fender and rack bosses
- C** TAP-9: 6mm x 1, cantilever brakes and large fender bosses
- D** TAP-10: 10mm x 1, derailleur hanger
- E** TAP-12.1: 12mm x 1, thru axles
- F** TAP-12.2: 12mm x 1.5, thru axles
- G** TAP-12.3: 12mm x 1.75, thru axles
- H** TAP-15.1: 15mm x 1, thru axles
- I** TAP-15.2: 15mm x 1.5, thru axles
- J** TAP-20.1: 20mm x 1, thru axles
- K** TAP-20.2: 20mm x 1.5, thru axles
- L** TAP-20.3: 20mm x 2., thru axles

See TH-1 / TH-2 Tap Handles on page 21

**SG-7.2**  
**Oversized Adjustable Saw Guide**

Accurately guides a hacksaw to cut steerers, integrated seat posts and even airfoil shaped seat posts up to 3.5" (89mm) or round tubes from 1-1/4" (32mm) to 1-3/4" (45mm) in diameter. The SG-7.2 features two different cutting slots—standard and carbon cutting blade widths—in a hardened steel body and molded contact points to protect tubes and frames.



**SGI-7** Saw Guide Insert

Insert for the SG-7.2 Saw Guide to cut either alloy or carbon handlebars for the WTB® PadLoc™ grips.



**SG-6** Threadless Saw Guide

The SG-6 Threadless Saw Guide ensures a straight, clean cut on 1", 1-1/8", and 1-1/4" threadless forks. Simply clamp it onto the fork and cut, letting the SG-6 guide the hacksaw blade. Its non-scratching composite body incorporates steel threads and a steel reinforcing plate to withstand the rigors of heavy shop use.



**SG-8** Saw Guide for Carbon Composite Forks

Similar to the SG-6 but specially designed to accommodate wider, carbon composite specific saw blades.

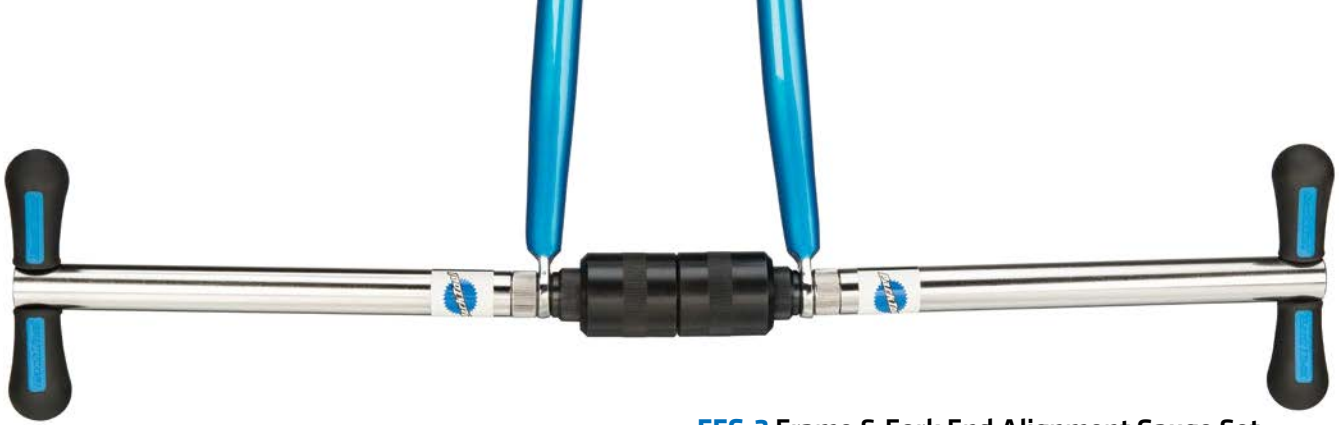


**CSB-1** Carbon Cutting Saw Blade

12" Tungsten steel hacksaw blade specially designed to smoothly cut carbon composite handlebars, forks, seat masts and integrated seat posts. Fits Park Tool SAW-1 and most 12" hacksaws.

See SAW-1 Hacksaw on page 22





### FFG-2 Frame & Fork End Alignment Gauge Set

Improperly aligned fork and frame dropouts can cause difficult wheel installation, bent axles, and bent quick release skewers. The FFG-2 quickly and easily determines whether dropouts are aligned and parallel.

- Works on frames and forks with open dropouts and spacing from 100 to 160mm
- Long handles and comfortable molded grips afford plenty of leverage for straightening when appropriate

### FFS-2 Frame, Fork, and Tube Straightener

The Park Tool Frame, Fork and Tube Straightener is a versatile and productive tool. The open hook design enables it to straighten not only frames and forks, but also cranks and handlebars. Vinyl coating on the hook and on the fulcrum pad protects painted surfaces. The hook has over 8" of adjustment. Reinforced to prevent flexing. The adjustable hook accommodates a fork or tube up to 1-3/4" (44mm) in diameter and features over 8" (20.3 cm) of sliding travel adjustment.



### FAG-2 Frame Alignment Gauge

The FAG-2 Frame Alignment Gauge checks the alignment of the rear triangle relative to the headtube. Useful in determining cause of bike tracking and shifting problems.

- Checks frame centering by comparing left to right side of the rear triangle
- Retractable pointer adjusts to fit most sizes and types of bikes
- May be used on bikes of any frame material



### DW-2 Clutch Wrench for Shimano® Derailleurs

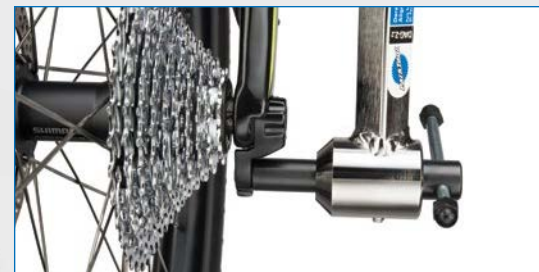
A small, thin wrench with 5.5mm and 3mm openings designed to fit the rear derailleur clutch tension adjuster on Shimano® XT®, SLX®, Deore®, Saint® and Zee® rear Shadow® Plus (+) derailleurs and all previous Shadow® Plus models.

### DAG-2.2 Derailleur Hanger Alignment Tool

The DAG-2.2 is an indispensable shop tool that can be used to both measure and straighten misaligned derailleur hangers solving a high percentage of shifting problems.

- Gauge bar made of heavy gauge, chrome plated steel
- Adjusts to fit 20" to 29" wheels
- Replaceable threaded tip
- Upgraded, large inner shaft for added strength\*
- Tighter tolerances for improved accuracy
- Improved clearance and reach to fit more frame/hanger combos including low clearance thru axle derailleur hangers\*

\*Compared to DAG-2





### CRS-1 Crown Race Setting System

The CRS-1 offers fast, safe, and precise fork crown race installation for 1" or 1-1/8" steering tubes.

- Includes three different shaped inserts for 1" races and three different shaped inserts for 1-1/8" races
- Aluminum inserts contact fork crown race to prevent damage as race is installed
- Installation tube features a hardened cap to ensure long life

**Note:** For oversized columns 1-1/4" or 1-1/2" use the CRS-15 Crown Race Setter.



### CRS-15.2 Crown Race Setting System for 1.5" and 1-1/4"

Includes setting tube, one 1.5" setting insert, and one 1-1/4" setting insert plus an extension allowing work on fork steering tubes up to 425mm.

**CRS-15EXT:** Tube and fitting to extend any CRS-15 to work on fork steering tubes up to 425mm

### TNS-1 Threadless Nut Setter

The Threadless Nut Setter is used to install the star-fangled nut found on threadless 1" and 1-1/8" headset systems. Thread the nut onto the TNS, insert into the fork stack, and tap it in with a hammer. Sets the star-fangled nut to 15mm and keeps it straight. Long handle helps prevent pinched fingers.

Uses Part #822 Replacement Set Screw



### TNS-4 Deluxe Threadless Nut Setter

The TNS-4 makes it quick and easy to install star-fangled nuts used with 1" and 1-1/8" threadless headset systems. Using a durable steel driver and built-in guide, the TNS-4 perfectly aligns the star-fangled nut and sets it to the proper depth every time. The unique design virtually eliminates pinched fingers.

Uses Part #822 Replacement Set Screw







### CRP-2 Adjustable Crown Race Puller

The CRP-2 is a precision tool for quickly and easily removing the headset crown race from the crown race seat of the fork. The tool is fully adjustable, allowing precise, independent positioning of the blades around the crown race. Locating each blade independently provides flexibility to fit around most potential interferences with fork top caps or crown protrusions.

- Universal design works with 1", 1-1/8", 1-1/4" and 1.5" forks (suspension or rigid) and crown races with outside diameters up to 64mm
- Accepts steering columns up to 430mm in length
- All-steel construction for long life

**Note:** Blades are necessarily thin and will wear with use. Crown races with a tight press fit may also wear on blades.

**Replacement blades available:** Part #1155-3



### HCW Headset Wrenches

Our headset wrench openings are laser cut to ensure a tight, accurate fit. Made from the finest steel, heat treated and plated for years of heavy shop use.

**A HCW-6:** 32mm head wrench & 15mm pedal wrench

**B HCW-7:** 30mm & 32mm head wrench

**C HCW-15:** 32mm & 36mm head wrench



### HHP-2 Bearing Cup Press

The HHP-2 accurately aligns and presses 1", 1-1/8", 1-1/4", and 1.5" headset cups. In addition, it presses cartridge bearings and cups into one-piece bottom bracket shells and holds fixed cup wrenches firmly in place when removing or installing adjustable-type bottom brackets. Features a quick-release design for fast tool installation and removal, extra long (30cm) handles for superior leverage, and stepped bushings for precise cup alignment.

### 530-2 Step Bushing Cup Adaptors

Included with HHP-2, also available separately in pairs.

### HHP-3 Home Mechanic Head Cup Press

Simple and economical, the HHP-3 is designed to install all sizes of head cups and one-piece bottom bracket cups.



### RT-1/ RT-2 Head Cup Remover

The Park Tool Head Cup Remover makes accurate headset cup removal fast and easy. Strong, heat treated alloy steel with nickel finish.

**RT-1:** Fits 1", 1-1/8", 1-1/4" as well as some low profile and internal head cups.

**RT-2:** Fits 1-1/4" and 1-1/2" head cups as well as some low profile and internal head cups.





### PZT-2 Pizza Tool

Add to your Park Tool collection with the PZT-2, the biggest, bluest pizza tool around. The super sharp, large diameter stainless steel cutting wheel glides through even the toughest terrain. A tried and true tool, the PZT-2 is the perfect gift for yourself or for your favorite biker. It's a bicycle, it's a tool... it's a pizza cutter!



### SPK-1 Spork

It's a spoon, it's a fork, it's a take along multi-tool. Made of 316 food grade stainless steel and vinyl dipped in world famous Park Tool Blue. Dishwasher safe.



### PNT-5 Pint Glass

### SPG-1 Stainless Steel Pint Glass

### MUG-1 Coffee Mug



### BO-2 Bottle Opener

The ergonomically designed BO-2 is engineered and built to provide tremendous leverage, making quick work of any bottle cap. World famous Park Tool Blue vinyl coated handle and stainless steel construction provide years of comfortable use. Dishwasher safe.



### BO-3 Keychain Bottle Opener

A compact opener featuring our world famous blue handle and a 10mm wrench. Fits perfectly on a keychain or in a pocket or wedge pack. A take along tool you shouldn't be without.



### STL-1.2 Shop Stool

The STL-1.2 Park Tool Shop Stool has chrome-plated steel legs and a comfortable padded seat with a three-color Park Tool Logo. The seat swivels 360 degrees and is positioned at a height of 32" (81cm)—the perfect height for wheel truing or other work at a bench or counter. Great in the shop or on the sales floor. Add the STL-3K Stool Backrest Kit to convert the STL-1.2 into a stool with a padded backrest.



### STL-3K Shop Stool Backrest Kit

Turns an STL-1.2 into a stool with a padded backrest.

### STL-2 Rolling Shop Stool

The STL-2 is ideal for quickly maneuvering around the bike while making adjustments. It has an adjustable gas shock with 5" (13cm) of travel, smooth-rolling wheels, and a swiveling seat with a three-color Park Tool logo. Adjusts in height from 17" to 22" (44cm to 57cm).

### BO-4 Corkscrew Bottle Opener

In the tradition of our premium quality fold up tools, the BO-4 is a combination corkscrew and bottle opener complete with a knife/foil cutter. This multi-tool folds for storage and features all stainless steel mechanisms housed in a forged aluminum case. This is a top quality beverage tool perfect for the workbench, toolbox or wine bar.





### HAT-8 Ball Cap



### HAT-9 Ball Cap



### MS-2 Mechanic's Shirt

Made from a wrinkle-free 65% poly/35% cotton blend for long wear and good looks. Black with Park Tool logo.

Sizes M, L, XL, and XXL



### A SA-1 Shop Apron

Protect your clothes and gain the advantage of large pouch pockets whenever you work in the shop. Our full-length, shop quality aprons are made of a heavy 7-ounce cotton twill for comfort and durability.

### B SA-3 Heavy Duty Shop Apron

Once you try on this apron, there's no going back to standard aprons. The SA-3 is made from heavy 10 oz cotton canvas and has two rows of bar tack reinforced pockets for stashing pens, parts, tools, etc. The special crossback design removes pressure from the neck for all day comfort. A nylon quick release makes the apron easy to adjust and take off. A full 35" in length, the bottom 7" of the apron can be snapped up for a custom height fit. A Park Tool logo makes the apron as good looking (even when it's dirty) as it is functional.

### MLS-2 Metal Bicycle Tools Sign

Dimensions: 26.5" x 6.5"



### MLS-1 Metal Logo Sign

Great for the bench or wall the MLS-1 is an aluminum, embossed Park Tool logo with mounting holes.  
Dimensions: 21" x 11.625"



### SDS-1 / SDS-2 Service Department Sign

Made of aluminum and embossed with the "Service Department" label, the SDS-1 will point your customers, or riding buddies, right where they need to go for quality service and repair. Large sign 18" x 14.5" (46cm x 37cm). Small sign 18" x 3.5" (46cm x 9cm).

SDS-1: Single-sided  
SDS-2: Double-sided



### DL-15 / DL-16 / DL-36B / DL-36W Logo Decals

DL-15: 15-inch (38cm) Park Tool logo  
DL-16: 16-inch (40cm) Park Tool logo  
DL-36B: 36-inch (91cm) Park Tool logo-Black  
DL-36W: 36-inch (91cm) Park Tool logo -White



NEW



### BBB-4 Big Blue Book of Bicycle Repair – 4th Edition

The 4th edition of the Big Blue Book of Bicycle Repair is updated with the latest information, procedures and techniques and covers everything from minor adjustments to complete overhauls. The BBB-4 features clear, step-by-step instructions, high quality color photos and useful charts and graphs to thoroughly explain and demonstrate hundreds of repairs. Written by one of the world’s leading authorities on bicycle repair and maintenance, Park Tool Director of Education, Calvin Jones, the Big Blue Book is the perfect reference guide for nearly any level mechanic and every bike.

Available in English only

One unique way that a shop can differentiate itself is by offering repair clinics to its customers. With a little help from Park Tool, shops can display their expertise, help current customers maintain their bikes and even attract new business (customers). The Park Tool School program offers the curriculum to successfully plan and teach a repair clinic. All that is needed to get started is a skilled shop staff, a copy of the BBB-4TG Instructor’s Guide, and a BBB-4 Big Blue Book of Bicycle Repair for each clinic attendee. Participating shops are listed on the Park Tool website so consumers can easily find a local Park Tool School location.



NEW



### BBB-4TG Park Tool School Instructor Manual

A complete tutorial and information source to help bike shops conduct repair and maintenance clinics based on the BBB-4 Big Blue Book of Bicycle Repair 4th Edition. Written by Park Tool Director of Education Calvin Jones using his 40+ years of experience as a mechanic, educator and writer, the BBB-4TG is more relevant than ever, and provides all of the time-proven information needed for a successful Park Tool School clinic including:

- Detailed advice to help plan, organize, promote and teach a Park Tool School clinic
- Step-by-step repair and maintenance procedures
- Hundreds of photos
- Course outlines, lecture notes and demonstration ideas
- Student participation certificates, a promotional poster and sample registration forms

Available in English only

## TL-1.2 Tire Lever Set

Updated to be stronger, smoother and more versatile, the TL-1.2 features a new material and redesigned tip for easier entry into just about any tire, including tubeless. The unique design lifts the tire away from the rim and features a spoke hook to use when multiple levers are needed. Sold in sets of three.

**TL-1.2C:** Packaged carded

**TL-1.2:** Display box (25 qty)

See page 37 for TL-1.2C Packaged carded



## TL-4.2 Tire Lever Set

Wide and flat, compact and lightweight, the perfect take-along lever. The TL-4.2 is just the right size to stash in a bag or jersey pocket yet strong enough to remove some of the toughest tires, including most tubeless tires. Sold in pairs.

**TL-4.2C:** Packaged carded

**TL-4.2:** Display box (25 qty)

See page 37 for TL-4.2C Packaged carded



## GP-2 Pre-Glued Super Patch Kit

We worked with 3M® to produce a self-adhesive tube patch that stretches, flexes, twists, and turns right along with the tube. No messy glue, no bulky packaging. Lightly roughen tube with the included sandpaper, clean, apply patch, and you're ready to go. Six patches with sandpaper in a neat little carry along box. Available individually carded or in a handy 48 kit countertop display.

**GP-2C:** Packaged carded

**GP-2:** Display box (48 qty)

See page 38 for GP-2C Packaged carded



## VP-1 Vulcanizing Patch Kit

The VP-1 Patch Kit includes six thin and flexible patches with tapered edges to blend with the tube's profile. Two each round patches 20mm & 25mm in diameter for smaller holes. Two oval patches, 25mmx35mm, are for wider cuts. A tube of self-vulcanizing

fluid bonds the patch to the tube at the molecular level. Each kit is packaged in a small plastic box with sandpaper for cleaning the tube and instructions. Available individually carded or in a handy 36 kit countertop display.

**VP-1C:** Packaged carded

**VP-1:** Display box (36 qty)

See page 38 for VP-1C Packaged carded





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ENGLISH

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