

MINOURN

2007
ADVANCED
PRO GOODS





CONTENTS	PAGES
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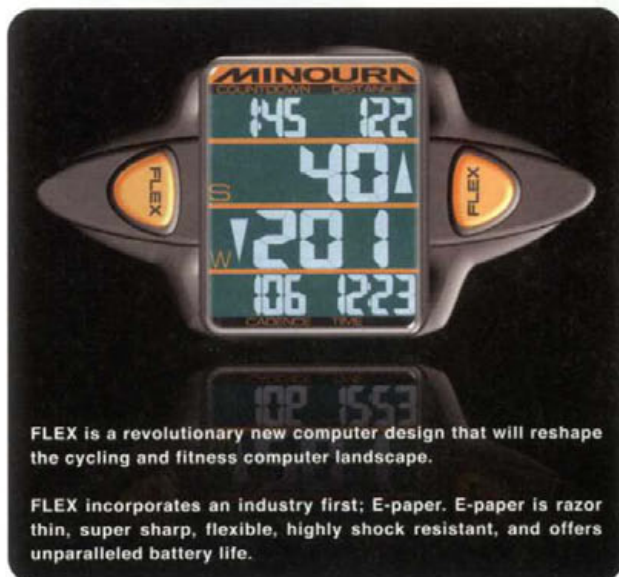
TRAINER	1
REPAIR STAND	10
DISPLAY STAND	14
TOOL	20
BOTTLE CAGE	23
HOLDER	25

FLEX
(patent pending)

New

FLEX

TRAINER



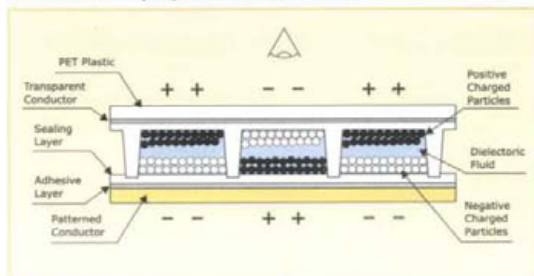
FLEX is a revolutionary new computer design that will reshape the cycling and fitness computer landscape.

FLEX incorporates an industry first: E-paper. E-paper is razor thin, super sharp, flexible, highly shock resistant, and offers unparalleled battery life.

- Conventional LCD's can't be bent or they'll break. E-paper is made of a proprietary plastic film that bends and doesn't break. This enhances shock resistance and eliminates the need for any specific kind of mounting bracket, making E-paper installable almost anywhere!
- Conventional LCD's require constant power. This "always on" power drains battery life and increases your cost by having to replace batteries. E-paper uses power ONLY when the data is changed. This "smart" use of power allows us to guarantee Flex's battery for 3 full years.
- Perfect wireless system: Both speed and cadence signals are picked up on the rear wheel and transmitted to the computer via 2.4GHz digital wireless, so our FLEX fits perfectly to any indoor trainer. In addition, our unique in-shoe, foot-power measuring sensor (patent pending) will be available in 2007. It measures the actual foot-power of your stroke (not just a calculated data) and transmits it to the computer via wireless.

(For more information, visit www.minoura.jp/flex-e.htm)

FLEX E-paper Mechanism



FLEX function matrix

Function	Mode
Speed	Current, Average, Max
Cadence	Current, Average, Max
Time	Clock, Elapsed, Total
Distance	Trip, Total
Wattage	Current, Average, Max
Pace Arrow	High & Low
Battery Level	Alert Flashing

MINOURA

Tire Drive v.s. Rim Drive

Tire Drive



Rim Drive



A stationary bike trainer is the standard for training when weather or other factors keep you from riding outside. Tire drive and rim drive trainers are the most well known systems on the market today. Minoura is the only manufacturer in the world that produces both types of trainers for consumers.

A tire drive trainer unit generates resistance when the tire of your bike comes in contact with the roller on the trainer's unit.

Tire drive models offer the closest real road feel compared to rim drive models.

However, tire drive models generate more noise due to variances in tires and even in riding styles. It is crucial that only a completely slick tire be used with any tire drive system. Using any other tire like a knobby MTB tire or even a road tire with some pattern in the tread will cause vibration and noise from the contact point.

The rim drive system offers an effective solution to some the issues found in tire drive trainers. This system was developed, patented and sold exclusively by Minoura.

In having the resistance generated at the rim of the bike wheel, the rim drive system allows the use of most kinds of tire, except on disc brake specialized rim, since the tire never comes in contact with the trainer's roller. This eliminates the need to change the knobby tire, out for a slick tire in order to enjoy quiet training. Also rim drive system never touches the tire so tire wear is not an issue.

The flywheel on the resistance unit spins at a very high speed to counterbalance the energy being created and helps to provide a natural and smooth pedaling feel. Minoura has adopted a machined flywheel that encloses every flywheel in a plastic housing for maximum safety.

Minoura offers a 5-year limited warranty on most trainers, except VFS series (2-years). For more information, please refer the included Warranty Policy Card.

	Tire Drive	Rim Drive
Riding Feel	Most Natural	Natural but prone to slippage
Tire Wear	Yes	No
Noise	Yes	Greatly reduced over tire drive models
Resistance Mechanism	Fluid, Magnetic	Magnetic
Road Bike	Best feel, most tire wear	Good, warming up and cooling down after races
MTB	Must change to smooth tire	Best
BMX	24" only with adaptor	24" only w/o adaptor

Gravity Frame v.s. Stationary Stand Frame



Gravity Frame



Stationary Stand Frame

Minoura adopted the stationary stand frame over 20 years ago. This frame design holds the bike stable and supports weight effectively, but if the roller pressure adjustment to the tire is not correct, premature tire wear will occur.

The new style gravity frame just holds the bike to avoid side-to-side stability issues. The weight is supported by your rear wheel then the roller pressure is automatically adjusted by your own weight. This means you don't need to adjust the roller pressure every time you ride and don't need to worry about tire wear if the air pressure is properly maintained. This new gravity style frame provides a natural riding feel as if you are on an actual road.

Most Minoura trainers are compatible with most 24" and all 26" & 700c wheels. 29" wheel can be used on the latest VFS-G only.

A quick release skewer is provided in every Minoura trainer to guarantee a perfect fit with our couplings. You may use your skewer, however we only guarantee a proper fit with our supplied skewer.

	Gravity Frame	Stationary Stand Frame
Stability	Good	Best
Riding Feel	Very natural	Good
Pressure Adjustment	No necessary	Necessary
Wheel Compatibility	26" – 29"	24" – 700c

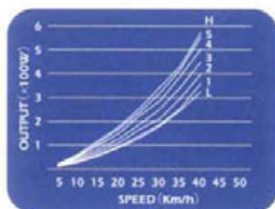
VFS-G
VFS-G-R

VFS-G Variable Fluid System

New



VFS-G-R

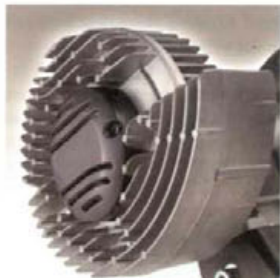


VFS-G



VFS-G

- VFS-G represents the pinnacle of Minoura's superior bike trainer technology over the last 20 years.
- Newly designed gravity type frame supports your bike stably but gently with the expanded step-bar and freely movable pillars that allow you to move with your bike on the stand without worrying about the damage to your bike frame.
- The rear wheel is compressed to the roller with your own weight, so roller pressure to the tire is adjusted automatically and troublesome adjustments will become a thing of the past.
- VFS series introduces the "fluid+magnetic" hybrid resistance unit. It is the quietest and smoothest system offered by any company. The fluid system adopts a specially designed double-cup internal vane system (patent pending) to provide exponential power curve for simulating the headwind you feel during actual ride, and the magnetic system accelerates the total power for building up your muscle and counter.
- A very heavy 1.5 kgs machined steel flywheel guarantees very smooth pedal stroke.
- The remote shifter on VFS-G-R allows you to choose your favorite resistance level from 7 positions without getting off the bike. The shifter clamp is oversize handlebar compatible. VFS-G doesn't have adjustable mechanism.
- Wheel size: 26" - 29".
- Weight: 9.0 kgs (VFS-G) / 9.4 kgs (VFS-G-R)



VFS-G Fluid side



VFS-G-R Flywheel / Mag side

VFS
VFS-R

VFS Variable Fluid System MINOURN

TRAINER

Modified

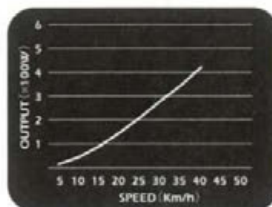


VFS



VFS-R

- VFS series is a stationary stand type frame that provides the maximum stability for every level of rider, especially for elite level racers.
- Foldable legs provide wide span for great stability and allow compact storage and easy transport.
- A convenient Foot Step engages/disengages the roller to/from the tire in seconds.
- Durable Sand-Black painted finish.
- Two types of resistance units are available; remote and non-remote. Both are exactly the same as on the VFS-G series.
- Wheel size: 24" - 700c
- Weight: 9.0 kgs (VFS) / 9.4 kgs (VFS-R)



VFS Fluid side



VFS Flywheel / Mag side



VFS Foot Pedal

MINOURN

MAG-850D-LW MAG-850R-LW

- MAG-850 series is the mid level tire drive trainer for intermediate level road riders.
- Minoura's patented magnetic resistance system offers wide variety of resistance range and quiet riding. This mechanism allows you a high-speed/low-resistance training to improve your sprint skill.
- A heavy 0.85 kgs machined steel flywheel provides smooth and silky feel pedaling.
- Lightweight but stable frame has foldable legs for compact storage and easy transport.
- Foot Pedal engages/disengages the roller to/from the tire quickly.
- 24" wheel can be used by adding the supplied "Z" adaptor.
- Two types of resistance unit are available; remote and non-remote (both are 7 levels).
- Wheel size: 24" - 700c
- Weight: 7.6 kgs (D) / 7.9 kgs (R)

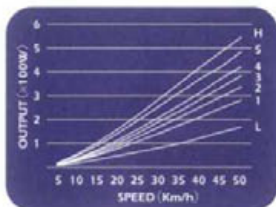
Mag 850



MAG-850D-LW



Small Wheel Adapter



MAG-850R-LW

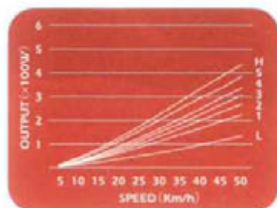
MAG-500D / MAG-500R MAG-500D-LW / MAG-500R-LW

- MAG-500 series is the entry level trainer. Good for beginner or daily exercise purpose.
- The basic mechanism of the resistance unit is exactly same as the upper model MAG-850. The difference is the flywheel only.
- 0.5 kgs steel flywheel works for increasing the inertia of spinning and provides smooth pedal stroke.
- The left side coupling on the basic MAG-500 is a fixed type and the "LW" model has adjustable coupling that allows you to mount a narrow rear hub bike (110mm).
- 24" wheel can be mounted on MAG-500 series without adding an adaptor.
- Two types of resistance unit are available on each model: remote and non-remote (both are 7 levels).
- Weight: 5.5 kgs (D) / 5.9 kgs (R)

MAG 500



MAG-500D



MAG-500R-LW



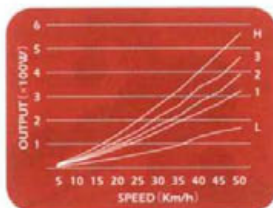
MAG-500R

MINOURA

MAG-500L-D

- MAG-500L was developed to address the need for a stronger and quieter performance trainer at reasonable price level.
- The newly designed magnetic resistance unit contains both magnet and flywheel in one casing for simple ease and performance.
- The frame is exactly same as MAG-500 series.
- Non-remote type only.
- Wheel size: 24" – 700c
- Weight: 5.8 kgs

New



TRAINING MAT 2

New

- A soft PVC mat for that protects your floor or carpet from stains and sweat during workout.
- Newly designed double-layered mat combination reduces the vibration to the floor up to 75%.
- Size: 1740 x 740 x 12mm
- Weight: 4.6 kgs



EXTRA PAD SET

New

- An optional item for reducing the vibration to the floor for comfortable training.
- Just putting underneath each leg of the trainer.
- The 100 x 100mm thick urethane pad is exactly same material used on Training Mat 2.
- 4 pcs / set
- Weight: 100 grams / set



using on rollers



using on trainer

MAG RISER 3

- A convenient riser block that raises your front wheel to level your training position.
- Double cut out design works with 26" and 700c wheels. Not for use with a 24" wheel.
- Weight: 205 grams



using with road tire



using with MTB tire

SAFE-T NET 3

New

- 100% cotton net that catches your sweat while training for protecting your bike from corrosion.
- Newly designed wide cutout for easier viewing of stem mounted computer.
- Additional front strap keeps the net in proper position during hard use.
- Weight: 49 grams



E-RDA-1050R-PM



- Our top range of the patented rim drive models.
- The PowerMatic resistance system uniquely simulates an exponential power curve like as fluid unit even using magnetic system.
- The remote shifter lever works differently from the others. It sets the limit of resistance as a "Torque Limiter" so you can get a high-speed/low-resistance training program on PowerMatic.
- Heavy 1.05 kgs machined steel flywheel provides a smooth pedaling experience along with a noiseless training session.
- Remote type only.
- Wheel size: 24" - 700c
- Weight: 8.5 kgs



E-RDA-850D-LW E-RDA-850R-LW

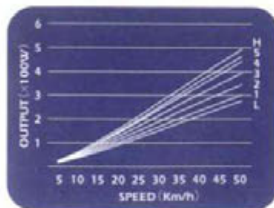
- Standard level rim drive trainer for every level and every type of riders.
- Fits both road racing bikes and MTB perfectly.
- Durable and stable steel frame design with widely splayed legs.
- Heavy 0.85 kgs machined steel flywheel provides smooth and natural pedaling stroke.
- Two types of resistance unit are available; remote and non-remote (both are 7 levels).
- Wheel size: 24" - 700c
- Weight: 8.0 kgs (D) / 8.2 kgs (R)



E-RDA-850D-LW



E-RDA-850R-LW



ACTION ROLLER ADVANCE

ActionRollerAdvance

- A triple roller trainer for improving your pedaling skill, especially helpful for intermediate and advanced level riders.
- Lightweight, rustproof and foldable alloy frame for easy transport and storage.
- 80mm diameter roller drum generates natural resistance with harder contact to the tire rather than larger diameter drums.
- Two different roller width are available; 360mm (standard) and 450mm (Wide). Wider roller is easier for beginners.
- Optional Foot Step helps you to support yourself, especially when start pedaling.
- Our patented magnetic resistance unit is available as an option.
- Usable wheel base: between 935 and 1,090mm
- Weight: 4.6 kgs (standard) / 4.8 kgs (wide)



Front Wheel Guard



Foot Step



AC-PRO

- Our professional grade roller trainer incorporating with durable dual-coat painted frame and heavy machined steel roller caps for greater stability and inertia.
- 450mm width and 130mm diameter roller for high-speed training.
- Retractable foot step helps getting on/off the rollers safe and easy.
- Foldable frame for easier storage.
- Weight: 25.0 kgs



ACTION BRIDGE 2

- An assistant device for riders to support the front fork until they can ride on the rollers without any support.
- Your front quick release skewer is encased in soft urethane to protect your front fork from the twisting power.
- Compatible with both sizes of both Action Magroller and Advance.
- Weight: 1.3 kgs



RS-6000

New

- The new high-end model of our bike maintenance stand line.
- Newly designed wide tripod base provides the greatest stability even on gravel or uneven ground conditions.
- The leg pivot is constructed with a ball joint to avoid pinching your finger.
- The patent pending quick clamp jaw mechanism enables you to clamp/release the bike very easily and quickly. Just pushing forward and twist the knob a half turn to be locked, twist a half turn and pulling out the knob to release.
- The clamp jaws rotate a full 360 degrees to set the bike in your favorite angle every 10 degrees. Thanks to the inside thrust bearing and a very durable metal gears system, you don't need to loosen the backside knob to adjust the angle at all, just pushing down on the top metal lever to rotate.
- Both frame and clamp jaws are fully foldable for compact storage and transport.
- A nylon carry bag is available as an option.
- The newly developed clamping device on the optional Tool Tray can be installed at any position on the main pillars. The tray has six separated sections and 24 multi tool slots.
- Clamp height: Fully adjustable between 1,080 and 1,810mm
- Dimensions: 1,320 (W) x 1,130 (D) x 1,845 (H) mm
- Weight: 5.7 kgs



clamp opened



clamp closed



Carry Bag



folded style



Tool Tray

Tool Tray
on upper pillarTool Tray
on lower pillar

RS-5000

- Lightweight and foldable alloy bike maintenance stand for easy transport and storage.
- Its "V" shaped leg design allows you to setup next to the wall for minimizing the work space.
- The clamp jaws insure easy operation in opening/closing by using only one lever.
- The jaws rotate fully 360 degrees for setting up your bike at your favorite angle.
- Set up and breakdown take mere seconds by the dual quick levers.
- Mid-frame mount type optional Tool Tray incorporates with 24 tool slots. The tray angle is adjustable for easier reach.
- Clamp height: Fully adjustable between 830 and 1,340mm
- Dimensions: 1,000 (W) x 700 (D) x 1,555 (H) mm
- Weight: 5.0 kgs



clamping top-tube



clamping seat-post



W-3000

- The standard in steel bike maintenance stands.
- The clamp jaws mechanism is exactly same as the upper model RS-5000.
- No tools are required to assemble/disassemble W-3000.
- Plastic tool tray is available as an option.
- Clamp height: 1,300mm (not adjustable)
- Dimensions: 640 (W) x 560 (D) x 1,470 (H) mm
- Weight: 6.8 kgs



clamping top-tube



clamping seat-post



W-3000B



- The workbench mount type bike maintenance stand.
- The table clamp device (included) attaches W-3000B on your workbench or table easily.
- Simple, fully rotating and easy-to-use one lever type clamp jaws.
- Weight: 3.3 kgs

W-3000V



- A unique vise mount type bike maintenance stand.
- Clamp the base bracket onto your vise and you're ready to go with the full function of our clamp jaws.
- Weight: 3.2 kgs

SS-600 SpinningStand

- The best way for making your derailleur adjustment precisely is actually riding on the bike. SS-600 is a rideable maintenance stand.
- The frame itself is exactly same as our basic trainer MAG-500.
- Weight: 3.6 kgs



UMA-500 BikeHorse

- Stably mounts your bike by clamping the front or rear wheel axle and supporting the bottom bracket.
- Great for full maintenance and assembling the bikes.
- Caster wheels help you to move the stand with or without a bike on it.
- Foldable design for compact storage when not in use.
- Dimensions: 510 (W) x 1,170 (D) x 870 (H) mm
- Weight: 8.4 kgs



clamping rear wheel



clamping front wheel



W-400 "Gazzy"

- A heavy-duty bike maintenance stand, especially for commuter bikes.
- The high-pressure gas cylinder system assists to lift up the bike with smaller power. It helps up to 10 kgs. Good for maintaining heavy bikes.
- Durable steel frame and extended leg design provide greater stability.
- Clamp height: Fully adjustable between 750 and 1,305mm
- Dimensions: 710 (W) x 620 (D) x 1,360 (H) mm
- Weight: 13.5 kgs



up position



low position



RS-X

- A portable type bike maintenance stand which supports your bike at BB shell and front fork end.
- Removing the front wheel is required.
- The stand height is adjustable in 3 positions without any necessary of tools.
- The frame can be folded down quickly for compact storage.
- A steel parts tray comes in standard.
- Dimensions: 940 (W) x 620 (D) x 910 (H) mm
- Weight: 5.2 kgs



BIKE TOWER 3



- The easiest-to-use two-level indoor bike storage stand.
- The telescoping main pillar mechanism fits any height up to 3.1 meter and holds the stand between the ceiling and the floor very stably with its inner spring.
- Made of light alloy with clear coating in titanium color.
- The oversize frame compatible bike cradle hooks have a durable steel skeleton covered by soft urethane rubber to guard your bikes finish.
- Standard kit includes two bike cradles. You can mount up to 4 bikes on BikeTower by adding optional bike cradles.
- Weight: 3.2 kgs

GRAVITY STAND

- The simplest and easiest way to store up to two bikes in your room.
- Just lean GravityStand against the wall and you're ready to mount the bikes.
- Oversize frame compatible soft urethane rubber covered cradle hooks for protecting your bike finish.
- Both cradles are adjustable in 3 positions without requiring any tools. Upper: 1,840 – 1,920mm, Lower: 940 – 1,020mm
- Dimensions: 610 (W) x 390 (D) x 2,080 (H) mm
- Weight: 5.2 kgs



P-500AL PairStand 2



- P-500AL is a self standing type bike storage stand for up to two bikes.
- Steel legs and light alloy main pillar combination.
- K-shaped leg design allows you to setup next to a wall to minimize the space.
- The upper cradle is adjustable in two positions. The lower cradle is fully adjustable.
- Dimensions: 610 (W) x 430 (D) x 2,120 (H) mm
- Weight: 5.2 kgs

P-600AL ClosetCyclist 2

- Space saving type vertical bike storage stand by hanging down the bikes.
- The upper hook is covered with Vinyl tube to protect your wheel. The lower hook keeps the rest wheel in proper position.
- The additional backside support leg accelerates the stability.
- Dimensions: 655 (W) x 540 (D) x 1,860 (H) mm
- Weight: 5.5 kgs



upper hook



VERGO / VERGO-S

- A bike mount base in a station wagon or minivan for easier and safer transportation.
- Non-slip rubber pads and anti-rolling stabilizer are locating under the main body.
- VERGO includes two sets of standard front Q/R type fork mount. By adding fork mount, VERGO can hold up to 3 bikes. VERGO-S is the single bike model.
- The fork mount is angle adjustable to save the space in vehicle.
- A 20mm thru axle fork mount is available as an option.
- The removed front wheel can be held securely with the optional Wheel Support Arm.
- Dimensions: <VERGO> 970 (W) x 165 (D) x 115 (H) mm / <VERGO-S> 500 (W) x 165 (D) x 115 (H) mm
- Weight: <VERGO> 4.3 kgs / <VERGO-S> 2.4 kgs



Q/R Fork Mount
DH Fork Mount



Front Wheel
Support Arm

- An optional front fork mount holder for Vergo.
- Q/R Mount is fully compatible with any quick release skewer for front wheel, and DH Mount is compatible with 20mm thru axle.
- Weight: 0.8 kgs (Q/R) / 0.7 kgs(DH)

- A holder for the removed front wheel of the bike on Vergo.
- The wheel is held securely to avoid scratch problem to the bike during drive.
- Weight: 0.9 kgs

BIKE HANGER 4

- Convenient bike storage hook which bolts on a wall or wooden pillar.
- Folding arm takes less space when not in use.
- The arm is angle adjustable to store your bike horizontally.
- Vinyl covered hook protect your bike finish.
- Dimensions: 365 (W) x 380 (D) x 210 (H) mm
- Weight: 1.1 kgs



folded



opened



DS-4000

- A space saving bike storage stand is perfect for shop or enthusiasts.
- Insert the front wheel into the cradle then the bike is fully supported.
- The chrome plated small cradle is for supporting narrow road tire.
- Stand height is adjustable in 3 positions (740 / 810 / 880mm).

- Standard kit contains 3 cradles. You can add one more cradle if necessary (sold separately).
- Dimensions: 1,000 (W) x 500 (D)
- Weight: 10.2 kgs



LEVEL-170H

- Easy-to-use bike storage rack. Hold bikes by the nose of your saddles.
- 1,700mm long bar can hold up to 5 bikes.
- By changing the pivot position of the clamp, you can use your own bar with any diameter between 25mm and 38mm.
- Assembling and disassembling can be done quickly without any tools.
- Durable steel construction.
- Dimensions: 1,700 (W) x 900 (D) x 1,135 (H) mm
- Weight: 11.0 kgs



971-3 / 971-4

- The stair type bike storage rack. Good for shops.
- The bikes are supported at the BB shell and both tires. The BB support is height adjustable.
- Optional Caster Kit allows you to move the rack easily.
- Dimensions: <971-3> 1,200 (W) x 800 (D) x 850 (H) mm / <971-4> 1,200 (W) x 1,200 (D) x 1,125 (H) mm
- Weight: <971-3> 8.5 kgs / <971-4> 13.0 kgs



971-3



Caster Kit



971-4

DS-30BLT / DS-30AL

- Lightweight and foldable rear hub clamping type display stand.
- DS-30BLT is made of ED painted steel tubing and DS-30AL is made of anodized light alloy tubing.
- By changing the opening direction, DS-30 will change the height to accommodate different needs.
- The hub coupling fits most type of quick release skewers and hub nut.
- Dimensions: <standard mode> 300 (W) x 290 (D) x 380 (H) mm / <small wheel mode> 300 (W) x 450 (D) x 340 (H) mm
- Weight: <BLT> 670 grams / <AL> 420 grams



standard mode



small wheel mode



DS-30BLT



DS-30AL

DS-80

- Foldable rear hub clamping type display stand for more stability than DS-30 series.
- The bent arm design provides you comfortable room for maintaining the rear derailleur.
- Made of steel tubing.
- Dimensions: 320 (W) x 290 (D) x 390 (H) mm
- Weight: 450 grams



DS-500 / DS-510

- The easiest-to-use bike stand by hooking the seat and chain stays.
- DS-500 is fully foldable for compact storage and DS-510 offers greater stability with its wider leg design.
- Soft vinyl coated hooks won't hurt your bike finish.
- Dimensions: <DS-500> 230 (W) x 310 (D) x 560 (H) mm / <DS-510> 280 (W) x 380 (D) x 565 (H) mm
- Weight: <DS-500> 1.0 kgs / <DS-510> 1.1 kgs



DS-500



DS-510

DS-20N-W



- Very solid and easy-to-use display stand which supports your bike at BB shell and down-tube.
- Made of durable 10mm diameter steel rod.
- Soft Vinyl coating for protecting bike finish.
- Dimensions: 260 (W) x 100 (H) x 480 (H) mm
- Weight: 710 grams



DS-100 / DS-110H



DS-110



DS-110H



Combination Style

- Connectable wheel supporting type display stand. Simple insert either front or rear wheel into the frames, then the bike will stand alone.
- The frame width is adjustable to fit up to 2.5" tire.
- DS-110H is a high-mount adaptor to save the space when connected.
- Dimensions: 510 (W) x 300 (D) x 200 (H) mm
- Weight: <100> 1.3 kgs / <110H> 1.0 kgs

DS-120

- DS-120 is a simple combination of high and low height wheel support frames.
- The frame width is not adjustable.
- Made of steel with rustproof ED painted finish.
- Weight: 1.4 kgs



WORKMAN PRO

- Completely foldable portable wheel truing stand.
- Auto-centering mechanism keeps any width of wheel in the almost center of the stand at all times for easier operation. But we recommend you to use a wheel dishing gauge to get precise centering adjustment.
- Optional Tri-Gauge is the device for checking the center position of the measuring gauge.
- Fits most wheels from 14" to 28". 11mm or fatter axle is not mountable.
- Weight: 2.6 kgs



Tri-Gauge



checking center



WHEEL ASSEMBLY KIT 2



- A complete kit with wheel truing stand (WorkmanPro), wheel dishing gauge (FCG-310) and spoke wrench (NW-200).
- Comes with in-depth instructions manual which tells you every technical tips.
- The best value for studying how to assemble or adjust the bike wheel.
- Weight: 3.0 kgs



WORKMAN JR.

- An economical model of wheel truing stand for both front and rear wheels.
- The measuring gauge is exactly same as for the upper grade model "WorkmanPro". It can measure both vertical and horizontal shaking of the wheel.
- Foldable design for compact storage when not in use.
- Weight: 2.6 kgs



FCG-310

- Lightweight and foldable alloy wheel dishing gauge to check the wheel center.
- Fits various sizes of wheel between 18" and 27"/700c by changing the black plastic gauge position.
- Also FCG-310 fits wide hub up to 140mm.
- Weight: 310 grams



on 26" / 700c wheel



on Wider Hub wheel



on 18" wheel

NW-200



- The new metal spoke nipple wrench with two different sizes; 3.2mm and 3.4mm.
- Non-slip dimples provides quicker operation to tighten or loosen the nipples.
- Not recommendable to use on alloy or any special shape nipples.
- Weight: 18 grams



CCH-1

- A tiny but handy device that helps to hold the broken chain ends instead of your hands to finish the job easily.
- Made of heat-treated steel with chrome plated finish.
- Weight: 10 grams



ATL

- A set of feather weight light alloy tire levers. 3 pcs in a kit.
- Metal tire lever is necessary to get enough strength when removing the tight tire bead from the rim. Plastic levers often break easily and the ATL won't!
- Weight: 38 grams / pc



HANDY PAK 6 / 14 / 14ct



Handy Pak 6



Handy Pak 14



Handy Pak 14CT

- Lightweight and useful pocket tool kit with unique fully covered design.
- Ergonomically curved cover design fits your palm comfortably and fits your jersey pocket gently.
- The glass-fiber reinforced cover can be used as an extension lever to gain more torque.
- HandyPak-6 is one of the smallest and lightest weight bike tool sets in the world.
- The detachable chain tool found on HandyPak-14ct is made of stainless steel for great durability and long life.



Handy Pak Spec Matrix		Handy Pak 6	Handy Pak 14	Handy Pak 14CT
Hex Wrench	1.5mm		●	●
	2mm	●	●●	●●
	2.5mm		●	●
	3mm	●	●	●
	4mm	●	●	●
	5mm	●	●	●
	6mm	●	●	●
	8mm		●	●
Torx Wrench	T-25		●	●
Screwdriver	Phillips	●	●	●
	Flat		●	●
Spoke Wrench	14G/15G		●	●
Tire Lever			●	●
Chain Tool				●
Dimensions		37x48x9mm	45x67x25mm	45x83x27mm
Weight		62g	152g	248g

AB100-4.5 / AB100-5.5

- Minoura's longest and best selling water bottle cage finely crafted from exclusive #2017 ultra-super duralumin.
- 4.5 is the perfect choice for weight conscious riders while MTB riders should prefer stronger 5.5.
- Two alloy mounting screws included.
- 7 anodized colors (black, silver, gold, gun-metal, titanium, blue & red) and 6 powder painted colors (black, white, blue, yellow, orange & red) are available.
- Weight: <4.5> 36 grams / <5.5> 52 grams



AB-1500 PET-CAGE

- A large bottle cage for 1.0 – 1.5 liter PET soft drink bottle.
- The plastic bottle neck clip is position adjustable and can be operated quickly to clamp/release the bottle.
- Made of durable but lightweight #2017 Ultra-super duralumin.
- 5 anodized colors (black, silver, titanium, blue & red) are available.
- Weight: 130 grams



AB-500 PET-CAGE MINI

- A bottle cage for 500ml PET soft drink bottle.
- The rubber ring holder is position adjustable and provides quick operation.
- Made of lightweight #5056 alloy.
- 5 anodized colors (black, silver, titanium, blue & red) are available.
- Weight: 54 grams



PC-500 PET-CAGE MINI 2

- An economical model of the bottle cage for 500ml PET bottle.
- Not compatible to the standard poly bike bottle.
- Made of lightweight #5056 alloy.
- 5 anodized colors (black, silver, titanium, blue & red) are available.
- Weight: 45 grams



BH-95N

- Simple but most useful extra bottle cage holder with universal stainless band clip which fits any diameter between 22mm and 35mm.
- You can mount BH-95N on both handlebar and seat-post by changing the base bracket direction.
- Made of rustproof stainless steel.
- Two bottle cage mounting screws included.
- Weight: 47 grams



QB-90

- Unique quick release type extra bottle cage holder.
- Fits 22mm and 25mm diameter (not universal) by changing the hooking position.
- Rustproof ED painted finish.
- Weight: 80 grams



BH-60

- Our longest seller extra bottle cage holder which sets the bottle exactly center of your handlebar beyond the stem. This position is the best to keep visual balance when riding seriously.
- Fits normal size handlebar only.
- Rustproof ED painted finish.
- Weight: 65 grams



SBH-80

- A saddle rail mounting type extra bottle cage holder.
- Rustproof ED painted finish.
- Weight: 80 grams



SBH-300 / SBH-300U

- Saddle rail mounting type dual bottle cage holder.
- Good for triathlon for mounting one water bottle cage and one repair kit pod or spare tube.
- Made of lightweight and durable #2017 ultra-super duralumin in titanium anodized color.
- SBH-300U is the high mount type for easier approach to the bottles.
- Weight: 135 grams



SBH-300



SBH-300U



BOH-200

- A compact CO2 cartridge holder for quick inflator.
- Holds up to two cartridges under a bottle cage.
- For threaded valve type only.
- Made of chrome plated steel.
- Weight: 25 grams



SG-100N / SG-100NL SPACE GRIP



- Convenient device that creates extra space on the handlebar for mounting accessories like headlights or computers.
- SG-100N has 100mm width bar for up to 2 devices, SG-100NL has 140mm longer bar for up to 3 devices.
- The alloy bar is position adjustable by 30mm horizontally.
- The universal stainless steel band clip fits any diameter between 22mm and 35mm.
- Lightweight plastic and alloy combination.
- Weight: <100N> 79 grams / <100NL> 98 grams



SG-200 / SG-200L SWING GRIP



SG-200
"Swing-Grip"



SG-200L
"Swing-Grip Wide"

- The extra accessory holder device with sleek alloy stay.
- The unique angle adjustable arm design allows you to mount SwingGrip on the stem to save the space on the handlebar.
- Two different width of the bar in 100mm and 140mm as same as SpaceGrip series. The length is the same as SpaceGrip.
- Weight: <200> 91 grams / <200L> 97 grams



LH-100 DOWN GRIP

- A headlight holder for mounting on either in front or underneath the front basket.
- The alloy bar is position adjustable in 30mm horizontally.
- Weight: 78 grams



LH-50 *Béso*

- A mini headlight holder for the front fork end where your light won't be blocked by any other accessory. It also saves space on your handlebar by mounting the light in a better location.
- The universal stainless steel band clip fits any diameter between 22mm and 38mm.
- Not recommended to use on any carbon fork and tapered fork.
- Must be used on the lower end of the front fork for safety.
- Weight: 34 grams



NEW STUFF

P01 FLEX



P04 VFS-G-R



P07 MAG-500L-D



P10 RS-6000



P07 TRAINING MAT 2



P07 SAFE-T NET 3



P07 EXTRA PAD SET



P20 WHEEL ASSEMBLY KIT 2



P21 NW-200



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