HARDHEADED RAM

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Rotor
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Carbon Brake Shoes
V-Type & Road
BPC Cooling Series
BPX Series
Disc Brake Pads
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Hydraulic Brake Parts
Mechanical Brake Parts
Bolts
Kits
THERMAL TEST

COOLING 3 INDIVIDUAL PARTS ROTOR FOR CONSISTENT BRAKING PERFORMANCE

- SUS410 MUD SHEDDING DESIGN BRAKING BAND
- A1050 EFFICIENT HEAT-DISSIPATION ALLOY FINS
- A7075 LIGHTWEIGHT HIGH STRENGTH AEROSPACE ALLOY SPIDER

AFTER LONG BRAKING:
EARLIER BACK TO ROOM TEMPERATURE BY 20 SECONDS

STRONG-LIGHT ALLOY ROTOR

DR-11 FA
PATENT NO. M506889

DR-11 FA VS REGULAR ROTOR
REGULAR ROTOR

DR-11 FA
SIZE OPTION | GRAMS
---|---
140 MM | 101
160 MM | 127
180 MM | 152
203 MM | 215

DR-14 FA
SIZE OPTION | GRAMS
---|---
140 MM | 49
160 MM | 61

DR-13 FA
SIZE OPTION | GRAMS
---|---
140 MM | 49
180 MM | 72

- STRONG-LIGHT ALLOY ROTOR
- GROOVED AL7075 BRAKING BAND WITH MAO FINISH
- FULL UD CARBON CARRIER
- WORKING WITH NON-METAL DISC PADS ONLY
PRECISION CNC MACHINED BRAKING BAND IMPROVES THE BRAKING PERFORMANCE AND DISSIPATES HEAT MORE EFFICIENTLY.

- Improving braking power in wet condition.
- Lowering the temperature in dry condition.
- Faster brake pads bedding-in process.

### PRO ROTOR

#### DR-10 PRO

<table>
<thead>
<tr>
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#### DR-07 PRO

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### SPORT ROTOR

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#### DR-10 FA

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#### DR-07 FA

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### STANDARD ROTOR

#### DR-15

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#### DR-01

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<tr>
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ADAPTOR

PRECISION 100% CNC MACHINED
COLORFUL COLOR OPTION :
TOTAL 7 COLORS FOR MORE CHOICES

CMA

CMA-7
> PM-PM-180-2

CMA-6
> PM-IS-R203

CMA-5
> PM-IS-F203

CMA-4
> PM-IS-R180

CMA-3
> PM-IS-F180

CMA-2
> PM-IS-R160

CMA-8
> PM-PM-203

» PM-PM-203
POSTMOUNT CALIPER,
INTERNATIONAL STANDARD FRAME AND 203MM ROTOR
FOR CENTERLOCK TYPE HUB
FOR INTERNATIONAL STANDARD CALIPER,
INTERNATIONAL STANDARD FRAME AND 180MM ROTOR
FOR INTERNATIONAL STANDARD CALIPER,
INTERNATIONAL STANDARD FORK AND 203MM ROTOR

PM-FM-R160
DESCRIPTION
POSTMOUNT CALIPER,
FM FRAME AND 160MM ROTOR

FM-FM-R160
DESCRIPTION
FM CALIPER,
FM FRAME AND 160MM ROTOR

PM-IS-F160
FOR
POSTMOUNT CALIPER,
INTERNATIONAL STANDARD FORK AND 160MM ROTOR

PM-IS-R160
FOR
POSTMOUNT CALIPER,
INTERNATIONAL STANDARD FRAME AND 160MM ROTOR

PM-IS-F203
FOR
POSTMOUNT CALIPER,
INTERNATIONAL STANDARD FORK AND 203MM ROTOR

PM-IS-R203
FOR
POSTMOUNT CALIPER,
INTERNATIONAL STANDARD FRAME AND 203MM ROTOR

PM-FM-F160
DESCRIPTION
POSTMOUNT CALIPER,
FM FORK AND 160MM ROTOR

PM-FM-F140
DESCRIPTION
POSTMOUNT CALIPER,
FM FORK AND 140MM ROTOR

PM-FM-R140
DESCRIPTION
POSTMOUNT CALIPER,
FM FRAME AND 140MM ROTOR

PM-IS-R180
FOR
POSTMOUNT CALIPER,
INTERNATIONAL STANDARD CALIPER,
INTERNATIONAL STANDARD FORK AND 180MM ROTOR
FOR
INTERNATIONAL STANDARD CALIPER,
INTERNATIONAL STANDARD FORK AND 180MM ROTOR
FOR
INTERNATIONAL STANDARD CALIPER,
INTERNATIONAL STANDARD FORK AND 180MM ROTOR
FOR
CENTERLOCK TYPE HUB
FOR 20MM AXIS USE
FOR CENTERLOCK TYPE HUB
FOR 20MM AXIS USE
FOR CENTERLOCK TYPE HUB
FOR 20MM AXI
CARBON BRAKE SHOES

RFC-01C
»EXCELLENT STOPPING POWER IN BOTH WET AND DRY
»SUPERIOR MODULATION AND LOW PAD WEAR RATES
»SIMILAR BRAKING PERFORMANCE LIKE ALLOY RIM PADS
»FOR CAMPAGNOLO SYSTEM

RFC-502
FOR SHIMANO BR-9010/BR-6810/BR-5710
»THINNER PADS FOR 24-28MM WIDE CARBON RIM
»EXCELLENT STOPPING POWER IN BOTH WET AND DRY
»SUPERIOR MODULATION AND LOW PAD WEAR RATES

R-502-PRO
FOR SHIMANO BR-9010/BR-6810/BR-5710
»THINNER PADS FOR 24-28MM WIDE CARBON RIM
»DESIGNED FOR OPTIMUM PERFORMANCE IN ALL WEATHER CONDITIONS AND HIGHER STOPPING POWER WITH LOWER HEAT GENERATED

R-474CL
CAMPAGNOLO SYSTEM COMPATIBLE
»EXTRA BRAKING SURFACE FOR BETTER BRAKING PERFORMANCE AND HEAT DISSIPATION
»EXTRA-LIGHT BRAKE SHOE HOLDER DESIGN
»HIGH BRAKING COEFFICIENT COMPOUND

R-474
»REPLACEMENT FOR R-474CL

R-473CL
»SHIMANO, TRP AND ALL MAJOR ROAD SYSTEMS COMPATIBLE
»EXTRA BRAKING SURFACE FOR BETTER BRAKING PERFORMANCE AND HEAT DISSIPATION
»EXTRA-LIGHT BRAKE SHOE HOLDER DESIGN
»HIGH BRAKING COEFFICIENT COMPOUND

R-473
»REPLACEMENT FOR R-473CL

R-460-PRO
FOR CAMPAGNOLO SYSTEM
»DESIGNED FOR OPTIMUM PERFORMANCE IN ALL WEATHER CONDITIONS
»AN UNIQUE NON-CORK BASED COMPOUND WHICH OFFERS HIGHER STOPPING POWER WITH LOWER HEAT GENERATION THAN CORK BASED PADS, FOR A MORE CONSISTENT AND POWERFUL FEEL

R-460-CORK
»USE WITH CARBON RIMS ONLY
»COMPATIBLE WITH CAMPAGNOLO RECORD, CHORUS, CENTAUR & VELOCE 2000

R-453-PRO
»FOR SHIMANO SYSTEM
»DESIGNED FOR OPTIMUM PERFORMANCE IN ALL WEATHER CONDITIONS
»AN UNIQUE NON-CORK BASED COMPOUND WHICH OFFERS HIGHER STOPPING POWER WITH LOWER HEAT GENERATION THAN CORK BASED PADS, FOR A MORE CONSISTENT AND POWERFUL FEEL.

R-453-CORK
»USE WITH CARBON RIMS ONLY
»COMPATIBLE WITH SHIMANO 105, ULTEGRA & DURA-ACE

R-453
»LENGTH : 72MM
»DESIGNED FOR OPTIMUM PERFORMANCE IN ALL WEATHER CONDITIONS
»AN UNIQUE NON-CORK BASED COMPOUND WHICH OFFERS HIGHER STOPPING POWER WITH LOWER HEAT GENERATION THAN CORK BASED PADS, FOR A MORE CONSISTENT AND POWERFUL FEEL.

M-959 VCR-PRO
»LENGTH : 72MM
»DESIGNED FOR OPTIMUM PERFORMANCE IN ALL WEATHER CONDITIONS
»AN UNIQUE NON-CORK BASED COMPOUND WHICH OFFERS HIGHER STOPPING POWER WITH LOWER HEAT GENERATION THAN CORK BASED PADS, FOR A MORE CONSISTENT AND POWERFUL FEEL.

R-453
»LENGTH : 55MM
»REPLACEMENT PADS FOR CARTRIDGE BRAKE SHOES R-456C
»COLOR OPTIONS : RED / YELLOW

R-453-CORK
»USE WITH CARBON RIMS ONLY
»COMPATIBLE WITH SHIMANO 105, ULTEGRA & DURA-ACE
**V-TYPE ROAD BRAKE SHOES**

**3FUNCTION RIM PADS AVAILABLE**

- **M-967V**
  - 62MM ONE-PIECE V-BRAKE SHOES, COMPATIBLE WITH ALL MAJOR V-BRAKE

- **M-966VCR**
  - 72MM V-BRAKE REPLACEMENT INSERT, COMPATIBLE WITH SHIMANO / AVID / Tektro

- **R=477R**
  - 55MM ROAD BRAKE REPLACEMENT INSERT, COMPATIBLE WITH SHIMANO/SRAM/TRP

**V-TYPE BRAKE SHOES**

- **E-01**
  - 75MM V-BRAKE SHOES WITH STRONGER INNER STEEL FRAME AND EXTRA POWER COMPOUND FOR E-BIKES OR HEAVY LOADED BIKES

- **E-02**
  - 80MM V-BRAKE SHOES WITH STRONGER INNER STEEL FRAME AND EXTRA POWER COMPOUND FOR E-BIKES OR HEAVY LOADED BIKES

- **M-968V**
  - 55MM TRIPLE CONTOUR V-BRAKE SHOES FOR MINI BIKES AND FOLDING BIKES

- **AERO-01**
  - HIGH FRICTION COEFFICIENT RUBBER PADS, EN AND DIN
  - ONE MACHINED EXTRA LIGHT ANGLE ADJUSTABLE HOLDER
  - REINFORCED STRUCTURE HOLDER DESIGN
  - COMPATIBLE WITH ALL V-BRAKES
  - AERO-01 VCR REPLACEMENT PADS

- **M-963V**
  - LENGTH : 72MM
  - DUAL STOP BOW DESIGN
  - ULTRA-POWER COMPOUND

- **M-L55D+955VCR**
  - LIGHTER, MORE EXCLUSIVE AND MORE PREMIUM BRAKE SET
  - FINISHED : WHITE / GOLD, BLACK / GOLD
  - CNC MACHINED BRAKE HOLDERS
  - COMPATIBLE WITH ALL MAJOR V-BRAKE

- **M-959VCR**
  - LENGTH : 72MM
  - REPLACEMENT PADS FOR CARTRIDGE BRAKE SHOES M-955VC
  - PAD & PINS ONLY

- **M-959VC**
  - LENGTH : 72MM
  - NEW AQUA GUIDE DESIGN

- **M-959V**
  - LENGTH : 72MM V-BRAKE PADS
  - NEW AQUA GUIDE DESIGN

- **M-948V**
  - LENGTH : 60MM

- **M-945VC**
  - LENGTH : 72MM CARTRIDGE BRAKE SHOES SET
  - FINISH : SILVER / BLACK / CARBON ANODIZED
  - AVAILABLE FOR BLACK

- **M-945VCR**
  - LENGTH : 72MM REPLACEMENT PADS FOR CARTRIDGE BRAKE SHOES M-945VC
  - PAD & PINS ONLY

- **M-935V**
  - LENGTH : 55MM
SILVER PRINT ALLOY RIM FORMULA
35% HIGHER BRAKING POWER THAN OE PADS BOTH IN WET AND DRY
MINIMUM RIM CONSUMPTION AND ALLOY FLAKES ON THE PADS AFTER LONG AND HEAVY BRAKING
40% LONGER PADS LIFESPAN

LENGTH: 55MM
LIGHTWEIGHT CARTRIDGE TYPE BRAKE
PRO-RANGE RUBBER COMPOUND
R-500 REPLACEMENT PADS
LENGTH: 55MM
SHIMANO, TRP AND ALL MAJOR ROAD BRAKE SYSTEM COMPATIBLE
FULL CNC MACHINED EXTRA-LIGHT HOLDERS
HIGH-FRICTION COEFFICIENT COMPOUND
LENGTH: 55MM
TRIPLE-CONTOUR ROAD BRAKE PADS
COMPATIBLE WITH ALL MAJOR ROAD BRAKES
EXTREME LIGHT ROAD BRAKE SHOES SET
TRIPLE COLOR
LENGTH: 55MM
COMPATIBLE WITH CAMPAGNOLO RECORD 10, CHORUS 10, CENTAUR 10
HOLDER COLOR AVAILABLE IN SILVER / MATT BLACK / CARBON ANODIZED
LENGTH: 55MM
ANGLE ADJUSTABLE
TWO-TONE AVAILABLE

DUAL DENSITY RUBBER COMBINATION OFFERS ANTI-LOCK BRAKING FUNCTION
BETTER BRAKING POWER CONTROL
SHORTEN BRAKING DISTANCE
SHIMANO SYSTEM COMPATIBLE

DUAL DENSITY RUBBER COMBINATION OFFERS ANTI-LOCK BRAKING FUNCTION
BETTER BRAKING POWER CONTROL
SHORTEN BRAKING DISTANCE
SHIMANO SYSTEM COMPATIBLE

DUAL DENSITY RUBBER COMBINATION OFFERS ANTI-LOCK BRAKING FUNCTION
BETTER BRAKING POWER CONTROL
SHORTEN BRAKING DISTANCE
SHIMANO SYSTEM COMPATIBLE

DUAL DENSITY RUBBER COMBINATION OFFERS ANTI-LOCK BRAKING FUNCTION
BETTER BRAKING POWER CONTROL
SHORTEN BRAKING DISTANCE
SHIMANO SYSTEM COMPATIBLE

ONE PIECE ABS FUNCTION V BRAKE SHOES
DUAL DENSITY RUBBER COMBINATION

REPLACEMENT FOR ABS-03VC
DUAL DENSITY RUBBER COMBINATION OFFERS ANTI-LOCK BRAKING FUNCTION
BETTER BRAKING POWER CONTROL
SHORTEN BRAKING DISTANCE
SHIMANO SYSTEM COMPATIBLE

REPLACEMENT FOR ABS-01RC
DUAL DENSITY RUBBER COMBINATION OFFERS ANTI-LOCK BRAKING FUNCTION
BETTER BRAKING POWER CONTROL
SHORTEN BRAKING DISTANCE
SHIMANO SYSTEM COMPATIBLE

REPLACEMENT FOR ABS-01VC
DUAL DENSITY RUBBER COMBINATION OFFERS ANTI-LOCK BRAKING FUNCTION
BETTER BRAKING POWER CONTROL
SHORTEN BRAKING DISTANCE
SHIMANO SYSTEM COMPATIBLE
HARDENED STEEL POST
LENGTH: 70MM
AVAILABLE FOR TWO-TONE COLOR
COLOR OPTIONS: RED / YELLOW

HARDENED STEEL POST
LENGTH: 72MM

CARTRIDGE BRAKE SHOES SET
REPLACEMENT PADS=MODEL NO.M945VCR
FINISH: SILVER ANODIZED

HARDENED ALUMINUM POST
LENGTH: 64MM

THREADED TYPE
LENGTH: 64MM

HARDENED STEEL POST
LENGTH: 60MM

HARDENED STEEL POST
LENGTH: 55MM

HARDENED ALUMINUM POST
LENGTH: 65MM
COLOR OPTIONS: RED / YELLOW / GRAY

HARDENED STEEL POST
LENGTH: 53MM

HARDENED STEEL POST
LENGTH: 45MM

HARDENED STEEL POST
LENGTH: 43MM

HARDENED STEEL POST
LENGTH: 40MM

LENGTH: 35MM / 40MM

X PATTERN
LENGTH: 60MM

CLEAR COMPOUND FOR BMX U-BRAKE
! SUQEA
BRAKE SHOES

THREADED TYPE
LENGTH: 64MM

HARDENED ALUMINUM POST
LENGTH: 65MM
COLOR OPTIONS: RED / YELLOW / GRAY

POWER
M-990C
MAX. BRAKING POWER
FULL CNC MACHINED HOLDER
RUBBER O RING INSIDE
HIGH FRICTION COEFFICIENT
COMPATIBLE WITH MAGURA

M-950T
LENGTH: 90MM
COMPATIBLE WITH MAGURA HYDRAULIC BRAKE
HIGH FRICTION COEFFICIENT
RUBBER COMPOUND
TRIPLE COLOR

M-950
LENGTH: 90MM
FIT MAGURA HYDRAULIC BRAKE

CALIPER
207
LENGTH: 40MM
X PATTERN

203
LENGTH: 35MM / 40MM

BMX
MX-300
LENGTH: 45MM

M-948V CLEAR
LENGTH: 60MM
CLEAR COMPOUND FOR BMX U-BRAKE
! SUQEA

M-960V CLEAR
LENGTH: 72MM
COLOR AVAILABLE
CLEAR COMPOUND FOR BMX U-BRAKE
! SUQEA

COLOR ACCESSORY AVAILABLE

FOR CERAMIC RIMS

R-460 GREEN
USE WITH CERAMIC RIMS ONLY
REPLACEMENT PADS FOR ROAD CARTRIDGE BRAKE SHOES R-460C
COMPATIBLE WITH CAMPAGNOLO RECORD 10, CHORUS 10, CENTAUR 10

R-453 GREEN
USE WITH CERAMIC RIMS ONLY
REPLACEMENT PADS FOR ROAD CARTRIDGE BRAKE SHOES R-453C
COMPATIBLE WITH SHIMANO 105SC, ULTEGRA & DURA-ACE
DISC BRAKE PADS

**BPX SERIES**

- **SHIMANO XTR BEFORE 2011**
  - Replacement Pads: BPC-17R (Organic)
  - Replacement Pads: BPC-17SR (Sintered)

- **SHIMANO SAINT**
  - Replacement Pads: BPC-43R (Organic)
  - Replacement Pads: BPC-43SR (Sintered)

- **SHIMANO XTR**
  - Replacement Pads: BPC-52R (Organic)
  - Replacement Pads: BPC-52SR (Sintered)

- **MAGURA MT2,4,6,8**
  - Replacement Pads: BPC-55R (Organic)
  - Replacement Pads: BPC-55SR (Sintered)

- **AVID Elixir**
  - Replacement Pads: BPC-44R (Organic)
  - Replacement Pads: BPC-44SR (Sintered)

- **HOPE V4**
  - Replacement Pads: BPC-58R (Organic)
  - Replacement Pads: BPC-58SR (Sintered)

- **SHIMANO ULTEGRA BR-R8050 / BR-R5050**
  - Replacement Pads: BPC-64R (Organic)
  - Replacement Pads: BPC-64SR (Sintered)

- **SHIMANO DEORE XT BR-M755 / GRIMECA SYSTEM 8 / SRAM9.0 / HOPE MOMO M4**
  - Replacement Pads: BPC-09R (Organic)
  - Replacement Pads: BPC-09SR (Sintered)

- **SHIMANO DEORE XT BR-M795 / GRIMECA SYSTEM 8 / SRAM9.0 / HOPE MOMO M4**
  - Replacement Pads: BPC-09R (Organic)
  - Replacement Pads: BPC-09SR (Sintered)

- **HOPE E4**
  - Replacement Pads: BPC-59R (Organic)
  - Replacement Pads: BPC-59SR (Sintered)

- **SHIMANO DEORE XT BR-M355 / M395 / M4050 / M445 / M446 / M447 / M486 / T615 / T675**
  - Replacement Pads: BPC-10R (Organic)
  - Replacement Pads: BPC-10SR (Sintered)

- **SHIMANO ULTEGRA BR-R805 / BR-R505**
  - Replacement Pads: BPC-64R (Organic)
  - Replacement Pads: BPC-64SR (Sintered)

- **AVID Elixir**
  - Replacement Pads: BPC-44R (Organic)
  - Replacement Pads: BPC-44SR (Sintered)

- **HOPE V4**
  - Replacement Pads: BPC-58R (Organic)
  - Replacement Pads: BPC-58SR (Sintered)

- **SHIMANO XTR, AVID Elixir, FORMULA MEGA AVAILABLE**

**DISC BRAKE PADS**

> By using relatively softer and more flexible carbon backplate to absorb the vibration, the noise is reduced.

> 60% lighter than the regular disc pads. From 18 grams to 7 grams for full carbon backplate.

> Shimano XTR, Avid Elixir, Formula Mega available.
<table>
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<th>BRAKE MODELS</th>
<th>PART NO.</th>
<th>PART NO.</th>
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<td>HAYES HFX MAG AND HFX 9-SERIES, PROMAX HYDRAULIC</td>
<td>BP-01 : STANDARD ORGANIC</td>
<td>FORMULA HYDRAULIC CALIPER</td>
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<tr>
<td>DIATECH TWINCAM</td>
<td>BP-02 : STANDARD ORGANIC</td>
<td>TEKTRO HYDRAULIC/MECHANICAL</td>
</tr>
<tr>
<td>CANNONDALE CODA CALIPER</td>
<td>BP-03 : STANDARD ORGANIC</td>
<td>SHIMANO DEORE</td>
</tr>
<tr>
<td>HOPE C5, 02/GIANT MPH 200</td>
<td>BP-05 &amp; PIN-05 : STANDARD ORGANIC</td>
<td>ORGANIC WITH GROOVED PLATE</td>
</tr>
<tr>
<td>RST MECHANICAL</td>
<td>BP-06 : STANDARD ORGANIC</td>
<td>AVID JUICY BB7, JUICY ULTIMATE</td>
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<tr>
<td></td>
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<td>PROMAX DSK 950</td>
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<td>BRAKE MODELS</td>
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<td>SHIMANO DEORE / NAXAVE BR-M555/C901 HYDRAULIC</td>
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<td>SHIMANO XTR M975 / 966 / 965 XT M775 SLX M664, LX M655, DEORE M535 SAINT M800, HÔNÉ M601</td>
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<td>MAGURA GUSTAV M-2003</td>
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<td>MAGURA MARTA / MARTA SL TILL 2008</td>
<td>BP-19 : STANDARD ORGANIC</td>
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<td>HOPE MINI</td>
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<td>HOPE M4, 84 AND DH4</td>
<td>BP-22 &amp; SP-22 : STANDARD ORGANIC</td>
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<td>HOPE XC 4 PISTON</td>
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<td>LOCAN</td>
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<td>SUNTOUR DB XCC-MC</td>
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<td>HIGH PERFORMANCE SINTERED</td>
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<td>ORGANIC WITH GROOVED PLATE</td>
<td>ORGANIC WITH GROOVED PLATE</td>
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### BRAKE MODELS

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<td>BP-32 :</td>
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<td>PROMAX DSK-400 60U &amp; KNINE</td>
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### BRAKE MODELS

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<td>BP-36 :</td>
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<td>BP-38PRO &amp; SP-38 :</td>
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<td>HOPE MOTO TRIAL DISC BRAKES</td>
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<td>AVID BB5</td>
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<td>HAYES STROKER TRIAL</td>
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<td>SHIMANO SAINT 2008 M810 ZEE/BR-M640</td>
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<td>AVID DB, AVID ELIXIR, SRAM XX, SRAM XO SERIES</td>
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<td>Shimano XTR 2011 / BR-M985</td>
<td><strong>BP-52 &amp; SP-52</strong>: Standard Organic</td>
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<td><strong>BP-525 &amp; SP-52</strong>: High Performance Sintered</td>
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<td>Avid Code 2011</td>
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<td>SRAM Red</td>
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<td><strong>BP-545 &amp; SP-54</strong>: High Performance Sintered</td>
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<td>Magura MT3,4,6,8</td>
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<td><strong>BP-555</strong>: High Performance Sintered</td>
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<td>Tektro Lyra</td>
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<td><strong>BP-565 &amp; SP-56</strong>: High Performance Sintered</td>
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<td>Avid Xo Trail, SRAM Guide</td>
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<td>Magura MT5</td>
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### HOSE TABLE

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<tr>
<td>BH-101</td>
<td>AVID JUICY 97, JUICY CARBON, ULTIMATE</td>
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<td>BH-102</td>
<td>AVID JUICY 5, AVID CODE</td>
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<td>BH-103</td>
<td>AVID ELIXIR</td>
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<td>SHIMANO XTR 2007-2009, XT 2009</td>
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<td>LX 2009-2016, DEORE 2005-2009</td>
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<td>BH-301</td>
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<td>BH-111</td>
<td>KEVLAR+YARN HOSE</td>
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<td>AVID JUICY 97, JUICY CARBON, ULTIMATE</td>
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<td>AVID ELIXIR</td>
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<td>SHIMANO XTR 2007-2009, XT 2009</td>
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<td>BH-122</td>
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<td>LX 2009-2016, DEORE 2005-2009</td>
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### Shift Housing

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<td>DH-SD-01</td>
<td>STANDARD SP LINEAR SHIFT HOUSING 2200MM</td>
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<td>DH-YN-01</td>
<td>YARN BRAIDED SP LINEAR SHIFT HOUSING 2200MM</td>
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<tr>
<td>DH-LA-01</td>
<td>SHINY GOLD/SILVER SP LINEAR SHIFT HOUSING 2200MM</td>
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<tr>
<td>DH-AL-01</td>
<td>ALLOY+STEEL LINEAR SP SHIFT HOUSING, DOUBLE KEVLAR REINFORCED, PRE-GREASED 2200MM, 35% LIGHTER THAN STANDARD SP</td>
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### Shift Inner Cable

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<td>D1-LA-01</td>
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<td>D1-SL-01</td>
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<td>D1-GA-01</td>
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<td>GALVANIZED STEEL. STANDARD FINISH. 2100MM</td>
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### Brake Housing

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<td>REGULAR 2P COILED BRAKE HOUSING 2500MM</td>
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<td>BH-YN-01</td>
<td>YARN BRAIDED 2P BRAKE HOUSING 2500MM</td>
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<td>BH-LA-01</td>
<td>SHINY GOLD/SILVER 2P BRAKE HOUSING 2500MM</td>
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<tr>
<td>BH-AL-01</td>
<td>ALLOY+STEEL LINEAR SP BRAKE HOUSING, DOUBLE KEVLAR REINFORCED, PRE-GREASED 2500MM, 50% LIGHTER THAN STANDARD 2P</td>
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### Brake Inner Cable

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<td>B1-GA-01</td>
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HBP-09
- Oliver for I.D. 5mm hose fits Shimano
- Copper

HBP-10
- Oliver for I.D. 5.5mm hose fits Haye
- Copper

HBP-11
- Banjo bolt fits Shimano
- 7075 alloy
- Black / Blue / Red / Gold

HBP-12
- Banjo bolt fits Shimano XTR 2012
- Steel

HBP-13
- Oliver for O.D. 5mm hose fits Magura
- Copper

HBP-14
- Oliver for O.D. 5mm hose fits Avid
- Copper

HBP-15
- Needle for I.D. 2.1mm hose fits Formula
- Copper

HBP-16
- Needle for I.D. 2.2mm hose fits Magura
- Copper

HBP-17
- Needle for I.D. 2.3mm hose fits Avid
- Stainless

HBP-18
- Needle for I.D. 2.3mm hose fits Shimano
- Stainless

HBP-19
- M8 x 0.75 for O.D. 5mm hose fits Shimano
- Stainless

HBP-20
- M8 x 0.75 for O.D. 5.5mm hose fits Shimano
- Stainless

HBP-21
- M8 x 1.25 for O.D. 5mm hose fits Hayes
- Steel / Black

HBP-22
- M8 x 1.25 for O.D. 5.5mm hose fits Hayes
- Stainless

HBP-23
- M8 x 1.25 for O.D. 5mm hose fits Magura MT2/4/6
- Stainless

HBP-24
- Banjo for I.D. 2.1mm hose fits Avid
- Stainless

HBP-25
- Banjo for I.D. 2.3mm hose fits Shimano
- Stainless

HBP-26
- Banjo for I.D. 2.5mm hose fits Shimano
- Stainless
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<td>HBP-28</td>
<td>Banjo for I.D. 2.2mm hose fits Magura</td>
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<td>HBP-29</td>
<td>Banjo nut for O.D. 5mm hose fits Avid / Magura / Shimano / Formula</td>
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<tr>
<td>HBP-30</td>
<td>Banjo nut for O.D. 5.5mm hose fits Hayes</td>
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<td>HBP-31</td>
<td>M6 x 16 banjo bolt fits stainless</td>
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<td>HBP-32</td>
<td>M6 male stainless</td>
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<td>HBP-33</td>
<td>M3 oring copper oil seal</td>
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<tr>
<td>HBP-34</td>
<td>M2.5 oring copper oil seal</td>
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<td>Rubber shield rubber / black</td>
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<td>HBP-36</td>
<td>Needle driver steel + alloy</td>
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<td>HBP-37</td>
<td>Hose cutter plastic + steel</td>
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<td>M2.5 x 1 bleeder adapter fits Hayes / Formula / Camino with O-ring copper</td>
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<td>M3 bleeder adapter fits Avid / Hayes / Formula / Magura Marta / Gustava / Louise 2007</td>
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<td>HBP-40</td>
<td>M3 bleeder adapter fits Formula / Shimano with O-ring copper</td>
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<td>HBP-41</td>
<td>M4 bleeder adapter fits Magura Louise copper</td>
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<tr>
<td>HBP-42</td>
<td>M4 bleeder adapter fits Formula / Hayes / Shimano with O-ring copper</td>
</tr>
<tr>
<td>HBP-43</td>
<td>M6 x 0.75 bleeder adapter fits Magura MT4 stainless</td>
</tr>
<tr>
<td>HBP-44</td>
<td>M6 x 1.0 bleeder adapter fits Hayes / Shimano / Hope copper</td>
</tr>
<tr>
<td>HBP-45</td>
<td>Syringes injector 20cc plastic</td>
</tr>
<tr>
<td>HBP-46</td>
<td>M8 open wrench steel / silver</td>
</tr>
<tr>
<td>HBP-47</td>
<td>90mm pu hose pu</td>
</tr>
<tr>
<td>HBP-48</td>
<td>Clips plastic</td>
</tr>
<tr>
<td>HBP-49</td>
<td>M3 x 2.5 nylon socket set steel fits Avid / Hayes / Shimano / Magura Marta / Gustava / Louise 2007</td>
</tr>
<tr>
<td>HBP-50</td>
<td>M3mm fixing pin fits Shimano / Deore / Avid Elixir 1 / 3 steel</td>
</tr>
<tr>
<td>HBP-51</td>
<td>4.5mm fixing pin fits Hope steel</td>
</tr>
<tr>
<td>HBP-52</td>
<td>M4 x 22 bleeder bolts fits Avid Elixir / Hayes / Hope / Tektro / Formula Oro steel</td>
</tr>
<tr>
<td>HBP-53</td>
<td>M4 x 27 bleeder bolts fits Hayes / Ryde / Dyno steel</td>
</tr>
<tr>
<td>HBP-54</td>
<td>M4 x 36 bleeder bolts fits Hayes / Ryde / Dyno steel</td>
</tr>
<tr>
<td>HBP-55</td>
<td>M5 x 25 bleeder bolts fits Formula / Hayes / Shimano / Hope E4 / V4 / X2 / V2 steel</td>
</tr>
<tr>
<td>HBP-56</td>
<td>Clips fits M4 / M5 fixing bolts steel</td>
</tr>
<tr>
<td>HBP-57</td>
<td>Mineral oil 50cc</td>
</tr>
<tr>
<td>HBP-58</td>
<td>DOT 50cc</td>
</tr>
</tbody>
</table>
MECHANICAL BRAKE PARTS

**MBP-01**
- Angle-Adjustable
- Housing Connector
- Color Option: Black / White

**MBP-03**
- Plastic Nosed Caps
- For Brake
- Color Option: Black

**MBP-04**
- Plastic Nosed Caps
- For Brake
- Color Option: Black

**MBP-05**
- Plastic Nosed Caps
- For Shift
- Color Option: Black

**MBP-06**
- Plastic Nosed Caps
- For Shift
- Color Option: Black

**MBP-07**
- Frame Clips for Housing
- Color Option: Black

**MBP-08**
- Frame Shift Adjuster
- Color Option: Black / Red / Blue / Green

**MBP-09**
- Inline Shift Adjuster
- Color Option: Black / Red / Blue / Green

**MBP-10**
- Adhesive Housing Holder
- Color Option: Black

**MBP-11**
- Housing Connector
- Color Option: Black

**MBP-12**
- M7 Adjusting Barrel
- Color Option: Black / Red / Blue / Green

**MBP-13**
- M10 Adjusting Barrel
- Color Option: Black / Red / Blue / Green

**MBP-14**
- Colored Brass Caps
- For Brake
- Color Option: Black / Red / Blue / Green / Gold

**MBP-15**
- Colored Brass Caps
- For Shift
- Color Option: Black / Red / Blue / Green / Gold

**MBP-16**
- Zip Tie
- Color Option: Black

**MBP-17**
- Rubber Boots
- Color Option: Black

**MBP-20**
- Plastic Hydraulic Piston Spacers
- Color Option: Black

**MBP-20**
- Plastic Hydraulic Piston Spacers
- Color Option: Black
M5 x 10MM
- ROTOR BOLTS

M5 x 8MM
- STEM BOLTS

M6 x 18MM
- ADAPTORS BOLTS

M5 x 18MM
- STEM BOLTS

M5 x 16MM
- BOTTLE CAGES

M6 x 30MM
- HEADSET BOLT CONE HEAD

M6 x 29MM
- HEADSET BOLT CAP HEAD

M5 x 10MM
- NYLOK ANTI-LOOSEN TREATED T25 TORX

M5 x 10MM
- NYLOK ANTI-LOOSEN TREATED T25 TORX

M5 x 15MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH WASHER

M5 x 18MM  (TOTAL LENGTH)
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

M5 x 24MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

M5 x 29MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

M5 x 34MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

M5 x 10MM
- NYLOK ANTI-LOOSEN TREATED T25 TORX

GR5 6A1-4V TITANIUM BOLTS FULL CNC MACHINED KITS

AB-01
- M5 x 10MM
- NYLOK ANTI-LOOSEN TREATED T25 TORX

AB-03
- M6 x 18 ADAPTOR BOLTS
- 10B21 STEEL
- COLORED
- NYLOK TREATED

AB-05 (FB-02)
- M5 x 24MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

AB-07 (FB-04)
- M5 x 34MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

AB-09 (FB-06)
- M5 x 44MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

AB-10 (FB-07)
- M5 x 18MM (TOTAL LENGTH)
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

M5 x 10MM
- NYLOK ANTI-LOOSEN TREATED T25 TORX

RB-01
- M5 x 10MM
- NYLOK ANTI-LOOSEN TREATED T25 TORX

RB-01 C
- M5 x 10MM
- NYLOK ANTI-LOOSEN TREATED T25 TORX

AB-01 C
- M6 x 18 ADAPTOR BOLTS
- 10B21 STEEL
- COLORED
- NYLOK TREATED

AB-04 (FB-01)
- M5 x 10MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

AB-06 (FB-03)
- M5 x 29MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

AB-08 (FB-05)
- M5 x 30MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH SPRING WASHER

AB-11
- M5 x 10MM
- ADAPTOR BOLTS
- MATERIAL: STEEL
- WITH WASHER