

ASHIMA®

Without Limit

2023



Our passion for riding and our dedication to engineering excellence mean that Ashima has built a design philosophy that we live daily. Freedom at Ashima means the freedom to innovate, create and push the boundaries in bicycle braking technology. Over 300 world wide Patents in 14 years show our clear commitment to bringing the most up to date solutions to riders the world over. Whether the stimulus is the OEM/ODM aftermarket or a brand seeking a new product line, Ashima's approach and R+D capabilities deliver products imbued with a fresh outlook backed by proven technical expertise.



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Outer Casing : Kit Box

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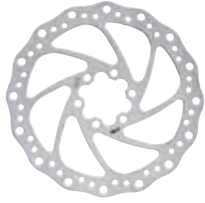
Bleeding Accessories

Bleeding Kit

DISC ROTOR

STANDARD ROTORS

Our Standard Rotors are all made of High Grade stainless steel SUS410, and designed to provide consistent braking whilst dissipating dirt. Single-Piece Construction Standard Rotors available in a range of sizes to suit most kind of riding style.



ARO-01

- High Grade stainless steel SUS410
- Single-Piece Construction
- High Efficacy at dissipating Heat and Dirt
- Beyond ISO Standard

Options / ARO-01

Part No.	Weight
ARO-01-160	140g
ARO-01-180	173g
ARO-01-203	200g

AiROTOR

AiE

ASHIMA technology taken to the limit! Single-Piece Construction with Extreme Low Mass, AiRotor, heat-up more than heavier rotors which may adversely impact some low spec systems during prolonged braking events. However, conversely due to the extreme low mass they also cool fast, so with proper / normal braking consideration the heating / cooling effect can be balanced.

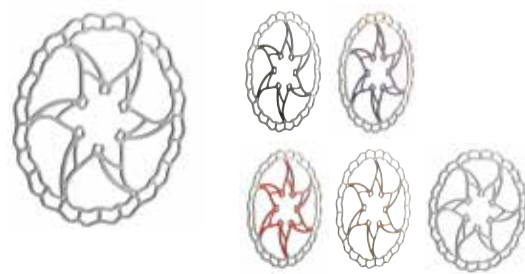


ARO-08

- High Grade stainless steel SUS410
- Single-Piece Construction with Extreme Lightweight design
- High Efficacy at dissipating Heat and Dirt
- Beyond ISO Standard
- Ground and Hardened to 42 HRC

Options / ARO-08

Part No.	Weight
ARO-08-140-XX	68g
ARO-08-160-XX	85g
ARO-08-180-XX	112g
ARO-08-185-XX	113g
ARO-08-203-XX	136g



ARO-09

Options / ARO-09

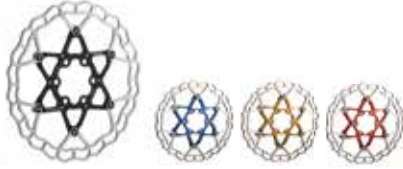
Part No.	Weight
ARO-09-140-XX	64g
ARO-09-160-XX	73g
ARO-09-180-XX	104g

XX=Color Option **Plain** **BK** **RD** **GD** **BU** **WH**

XX=Color Option **Plain** **BK** **RD** **GD** **BU** **WH**

AiNEON

ASHIMA technology taken to the limit! AiNEON TWO-Piece Construction Rotors, Alloy Carriers are made of Aerospace materials and combined with High Grade Stainless Steel Braking Band. Exceptional Heat Dissipation from the braking annulus, due to the high thermal conduction of the Alloy Carrier



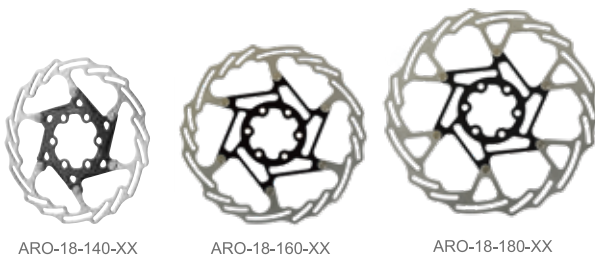
ARO-10

- Alloy Carrier: Aerospace 7075-T6 Heat treated
- Braking Band: High Grade stainless steel SUS410, Ground and Hardened to 42 HRC
- Two-Piece Construction with Extreme Lightweight design
- High Efficacy at dissipating Heat and Dirt
- With 6 pcs of 7075 Alloy Bolts
- Beyond ISO Standard

Options / ARO-10

Part No.	Weight
ARO-10-140-XX	67g
ARO-10-160-XX	78.5g
ARO-10-180-XX	101g

XX=Color Option **BK** **RD** **GD** **BU**



ARO-18-140-XX

ARO-18-160-XX

ARO-18-180-XX

ARO-18

- Alloy Carrier: Aerospace 7075-T6 Heat treated
- Braking Band: High Grade stainless steel SUS410
- High Efficacy at dissipating Heat and Dirt
- With 6 pcs of steel Bolts
- Beyond ISO Standard

Options / ARO-18

Part No.	Weight
ARO-18-140-XX	77g
ARO-18-160-XX	97g
ARO-18-180-XX	126g
ARO-18-203-XX	158g

XX=Color Option **BK** **RD**

AEGIS

ASHIMA new Single-Piece Construction Rotors are manufactured to High Performance in both Heat and Dirt dissipation. Available on a range of color finish.



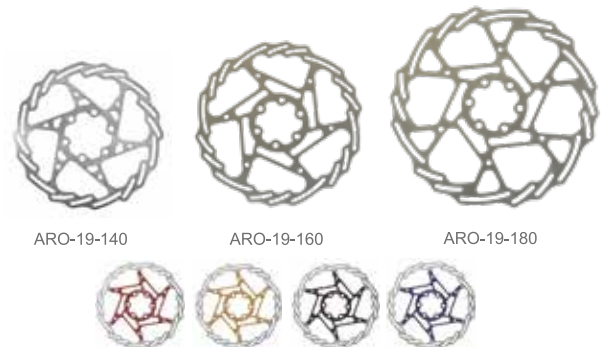
ARO-15

- High Grade stainless steel SUS410
- Single-Piece Construction with Lightweight design
- High Efficacy at dissipating Heat and Dirt
- Beyond ISO Standard

Options / ARO-15

Part No.	Weight
ARO-15-160-XX	91g
ARO-15-180-XX	116g
ARO-15-200-XX	147g
ARO-15-203-XX	149g

XX=Color Option **Plain** **BK** **RD** **GD** **BU** **WH**



ARO-19-140

ARO-19-160

ARO-19-180

ARO-19

- High Grade stainless steel SUS410
- Single-Piece Construction
- High Efficacy at dissipating Heat and Dirt
- Beyond ISO Standard

Options / ARO-19

Part No.	Weight
ARO-19-140-XX	79g
ARO-19-160-XX	106g
ARO-19-180-XX	135g
ARO-19-203-XX	171g

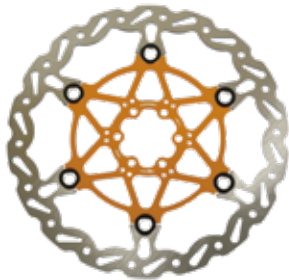
XX=Color Option **Plain** **BK** **RD** **GD** **BU** **WH**

Ashima Two-Piece Construction Floating Rotors provide better brake force, rapid heat dissipation and brake pads wear evenly.

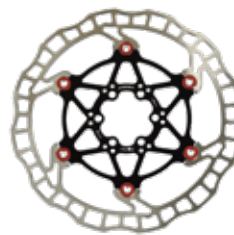
The special design rivets offer space between outer ring and inner ring of the rotor for reducing the deformation caused by heat conduction.

Two-Piece floating rotor delivers consistent braking performance for better control and confidence in race conditions.

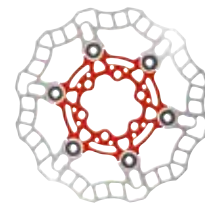
- Alloy Carrier: Aerospace 7075-T6 Heat treated
- Braking Band: High Grade stainless steel SUS410
- High Performance Floating Rotor
- High Efficacy at dissipating Heat and Dirt
- Beyond ISO Standard



ARF-1-203-XX



ARF-2-180-XX



ARF-2-140-XX

ARF-1

ARF-2

Options / ARF-1

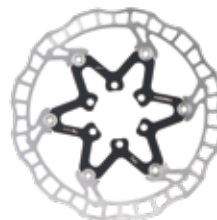
Part No.	Weight
ARF-1-160-XX	105g
ARF-1-180-XX	135g
ARF-1-203-XX	180g

Options / ARF-2

Part No.	Weight
ARF-2-140-XX	71g
ARF-2-160-XX	88g
ARF-2-180-XX	111g
ARF-2-203-XX	145g



ARF-3-160-XX



ARF-2S-160-BK



Shim kit is include

ARF-3

ARF-2S

Options / ARF-3

Part No.	Weight
ARF-3-160-XX	91g
ARF-3-180-XX	114g
ARF-3-203-XX	151g

Options / ARF-2S

Part No.	Weight
ARF-2S-160-BK	88g

CENTER-LOCK ROTOR

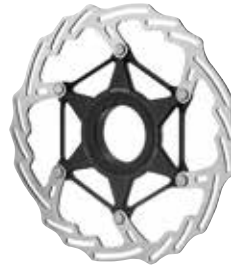
Not only 6-bolt rotor option but also Ashima new centerlock two-piece construction rotors. Centerlock rotors are generally easier and more error proof to install.

- Alloy Carrier: 7075-T6 Heat treated
- Braking Band: High Grade stainless steel SUS410, Ground and Hardened to 42 HRC
- High efficacy at dissipating heat and dirt

ARO-18C



ARO-18C-140-BK



ARO-18C-160-BK



ARO-18C-180-BK

Ashima also provides economical centerlock rotors.

- Two-Piece Construction with center lock rotor
- Braking Band: High Grade stainless steel SUS410 for outer rotor and iron for inner rotor.
- Ground and Hardened to 42 HRC
- Steel Carrier
- Good efficacy at dissipating heat and dirt

ARO-18CT



ARO-18CT-160-BK



ARO-18CT-180-BK

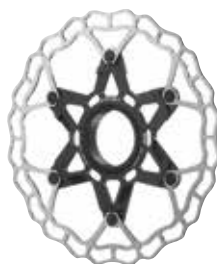


ARO-18CT-203-BK

Advanced centerlock rotors & Floating center lock rotor

- Alloy Carrier: 6061-T6 Heat treated
- Beyond ISO Standard
- Averagely dispersed the shear force.
- Easy assembling and not easy to swinging.

ARO-10C



ARO-10C-160-BK

ARF-1C

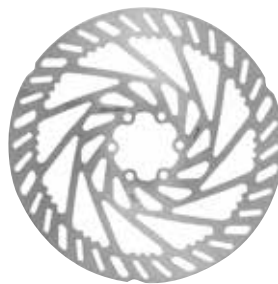


ARF-1C-160-BK

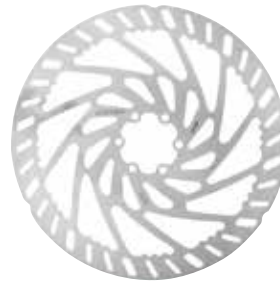
E-BIKE ROTOR

International standard 6 bolt rotor which suitable for E-bike
 Wide range of friction area to increasing brake performance.
 Ultimate strength, brilliant toughness, superior heat dissipation.
 Thickness of 2.0mm

ARO-27



ARO-27-180



ARO-27-203



ARO-27-220

CENTER-LOCK E-BIKE ROTOR

Two-Piece construction with center lock rotor.
 Braking Band: High Grade stainless steel SUS410 for outer rotor and iron for inner rotor.
 Moreover, rotor performance high efficacy at dissipating heat and dirt.
 Thickness of 2.0mm

ARO-28CT



ARO-28CT-180-BK



ARO-28CT-203-BK



ARO-28CT-220-BK

ROTOR BOLTS

Rotor Bolts

Ashima Part No	Material	Torx	Weight (g) / per pack	QTY
AA-RB-TI-SI	Titanium	T25	7	6
AA-RB-AL-XX	Aluminum 7075	T20	4.5	6
AA-RB-ST-XX	Steel 10B21	T25	24.5	12

XX-Color Option: **SI** **BK** **RD** **GD** **BU**



AA-RB-TI-SI



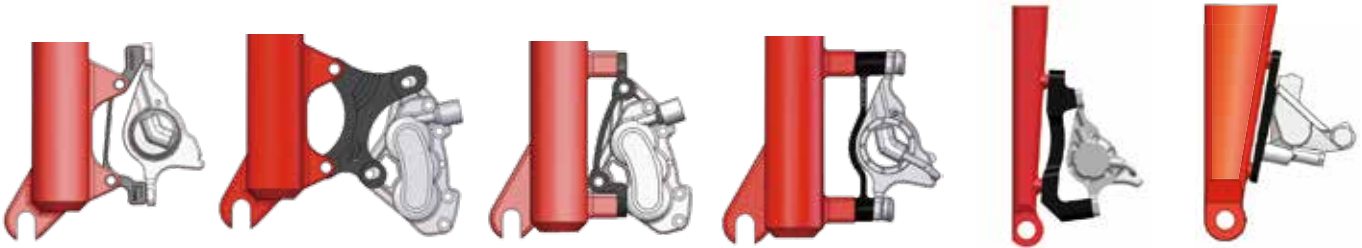
AA-RB-AL-XX



AA-RB-ST-XX

DISC BRAKE CALIPER ADAPTOR

Requirement Made Clear



AU0-X

Allows PM Caliper to fit IS fork / Frame

AU1-X

Allows IS Caliper to fit IS fork / Frame

AU2-X

Allows IS Caliper to fit PM fork / Frame

AU3-X

Allows PM Caliper to fit PM fork / Frame

AU4-X

Allows PM Caliper to fit FM fork / Frame

AU5-X

Allows FM Caliper to fit FM fork / Frame

DISC ROTORS

POST MOUNT

Rotor Diameter	Ø140	Ø160	Ø180	Ø203	Ø220
Fork					
IS		AU01	AU03	AU05	
PM 160		Direct	AU31	AU32	
PM 180			Direct		AU34
PM 203				Direct	AU35
PM 220					Direct
FM	AU41	AU43			
Frame					
IS	AU01	AU02	AU04	AU06	
PM 160		Direct	AU31	AU32	
PM 180			Direct		AU34
PM 203				Direct	AU35
PM 220					Direct
FM	AU42	AU44			

FLAT MOUNT

Rotor Diameter	Ø140	Ø160	Ø180	Ø203	Ø220
Fork					
FM	AU51	AU51			
Frame					
FM		AU52			



CENTERLOCK ADAPTOR

Centerlock Hub to 6-Bolt Rotor Adaptor



AC02-XX



AC03-2-XX



AC05-1-BK

Options

Part No.	Axle Size (mm)	Weight
AC02-XX	9/10/12	23g
AC03-2-XX	9/10/12/15/20	25g
AC05-1-BK	9/10/12/15/20	24g

XX-Color Option: **SI** **BK** **RD** **GD** **BU**

BOOST HUB ADAPTOR

Boost Hub Adaptors allow users adapt 15x100mm front wheel (Hub) and 12x142mm Rear Wheel (Hub) to fit new Boost 15x110mm Boost Standard Fork and 12*148mm Boost Type frame.

AH-BS5-BK

Front Hub: 15mm*100mm
Front Fork: 15mm*110mm
Thickness: 5mm
Material: 6061 Alloy



AH-BS3-BK

Front Hub: 12mm*142mm
Front Fork: 12mm*148mm
Thickness: 3mm
Material: 6061 Alloy



Options

Part No.	Front & Rear	Wheel(Hub) Size	Fork Size	Weight
AH-BS5-BK	Front	15mm*100mm	15mm*110mm	26.5g
AH-BS3-BK	Rear	12mm*142mm	12mm*148mm	22.1g

DISC BRAKE PADS

COMPOUND SELECTION

Compound Selection



Compound Type	Braking Characteristics					
	Short term "cold"	Disc wear	Pad wear	Wet	Long term "hot"	Noise
OR: Organic <30% Metal	Excellent	Excellent	Moderate	Moderate	Poor	Excellent
SM: Semi Metal >30<60 % Metal	Very Good	Good	Very Good	Very Good	Good	Good
SI: Sintered >60 % Metal	Moderate	Moderate	Excellent	Excellent	Excellent	Moderate
CE : Ceramic >30<60 % Metal	Very Good	Good	Excellent	Excellent	Good	Moderate
MC: Multi Comp. (SOS) SI-OR-SI	Very Good	Good	Excellent	Excellent	Excellent	Good

DISC BRAKE PADS

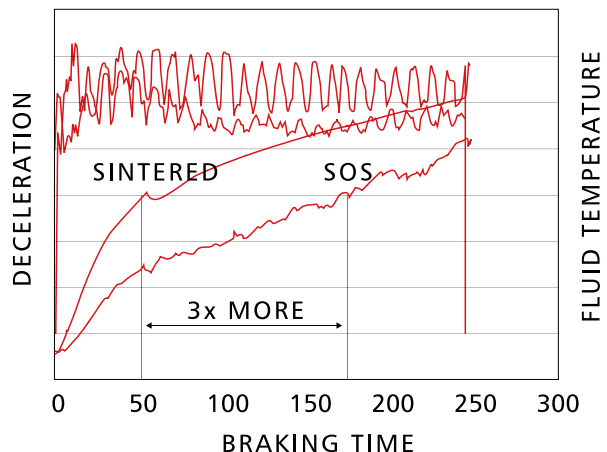
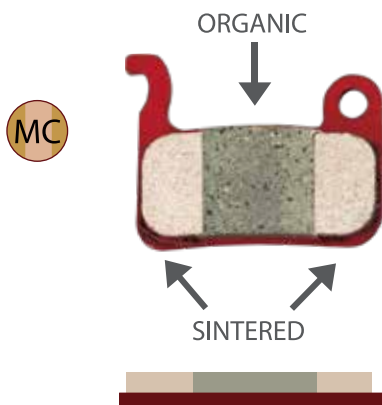
MULTI-COMPOUND DISC BRAKE PADS

SOS
Multi-Compound Pads

25 PR/BOX Workshop Box Package is available for every model.



- Exceptional high temperature performance
 - Exceptional low temperature/short term braking performance
 - Exceptional wet performance
 - Reduced heat generation due to smaller sintered area
 - Reduced heat transfer due to organic material over piston contact area
 - Exceptional pad wear (pad wears at the rate of the sintered compound)
 - Very Good noise characteristics
 - Good Disc wear due to reduced sintered area
- In short, SOS is the professional choice for all rides



STANDARD DISC BRAKE PADS

SHIMANO 01



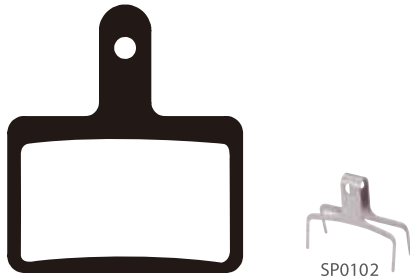
AD 0101 OR SM CE SI MC

- **Shimano** XT BR-M755, GRIMECA SYSTEM 8
- **SRAM** Mechanical 9.0
- **Hope** Mono M4; Tech M4; Stealth Race E4; Tech4 E4
- **Promax** DSK-922m / 922T / 930 / 930M / 930T, LUCID P4
- **Trickstuff** The Cleg DH, 4, C41, DIRETTISSIMA.



AD 0104 OR SM CE SI MC

- **Shimano** XTR BR-(M965 / M966 / M975 / M975P); Deore XT BR-(M765 / M775 / M776); SLX BR-M665; Deore BR-(M535 / M595 / M596); Saint BR-M800; Hone BR-M601; Deore LX BR-(M585 / T605 / T665); Alfine BR-(S500 / S501); BR-(M545 / R505 / T605)
- **TRP** Dash Carbon, Parabox, Juin tech R1 / X1.



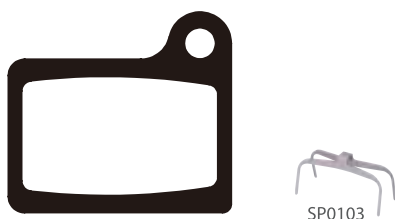
AD 0102 OR SM CE SI MC

- **Shimano** Deore BR-(M3050 / M315 / M355 / M365 / M375 / M395 / M415 / M416 / M416A / 4050 / M445 / M446 / M447 / M465 / M475 / M485 / M486 / M495 / M505 / M515 / M515LA / M525 / M575 / T615); Deore LX BR-T675; Tourney TX BR-TX805; Metrea BR-UR300; Nexave BR-(C501 / C601); BR-(MT500 / MT400 / MT200)
- **Tektro** Aquila MD-M500; Auriga HD-(M285 / M286 / M290 / M291 / M700 / T530 / T525 / T520 / E530 / E525 / E520 / E500); Draco HD-(M350 / M351 / M352 / C605 / C605slc / MD-C550 slc / C610 / C610slc / 610C / C705 / 705C / C710 / 710C / C800 / C801 / C811 / M600 / M802 / G-spec fmr R802 rear / spyke / eu810rear / eu811rear); Orion HD-(M740 / M730 / M725 / M720); Gemini HD-(M520 / M521 / M500 / M501 / M510); HDC330 HD-(M330 / M301 / M300 / M280); Aries MD-M300; Mira MD-C400; Volans HD-T710; Vela HD-(T290 / T285); Dorado HD-E715
- **Promax** DSK-(927T / 936 / 926 / 925 / 923 / 920 / 920m / 920T / 915 / 718R)
- **TRP** Hylex; HY / RD; Spyre SLC Spyre; Spyke; Dash Sport
- **Giant** MPH Root



AD 0105 OR SM CE SI

- **Shimano** XTR BR-M9120; XT BR-M8120, BR-M8020; SLX BR-M7120 DEORE BR-M6120, BR-MT420; SAINT BR-M820, BR-M810; ZEE BR-M640; BR-MT520; D02S, N03A, N04C
- **TRP** Quadiem; Quadiem Spec / SL; Slate T4 / G-spec / G-Spec dh / G-spec dh-r / G-Spec trail SLC / G-spec-trail s / E-zurich 2.3 / E-zurich 2.3 comp / E-zurich comp / Dorado 4P HD-E730 / E725 / E720 / M735 / M745 / 750 / Orion 4P / M841 / 840-2 / 830 / 826 / 825 / 815 / E-840-2 / E820 / E822 / EU820 / EU821; Juin tech gt / gtp / gtf



AD 0103 OR SM CE SI MC

- **Shimano** Deore; Naxave BR-M555 hydraulic



AD 0106 OR SM CE SI MC

- **Shimano** XTR BR-(M9000 / M9020 / M987 / M988 / M985 / M978); Deore XT BR-(M8100 / M8000 / M785); SLX BR-(M7100 / M7000 / M675 / M666); DEORE BR-(M6100 / M6000 / M615); Alfine BR-(S7000 / S700); BR-(RS785 / R785 / CX77 / CX75 / R517 / R515 / R315 / R317); G04S
- **FSA** K-Force DB-TX-9000; Afterburner DB-TX-9150
- **REVER** MCX1 Post Mount
- **TEKTRO** HD-7910
- **Riderever** Arc / Arc-s / Arc-u / Arc-e / attack-s / attack-u / attack-e
- **Clarks** M2



SP0107

AD 0107 OR SM CE SI

- **Shimano** Dura Ace BR-R9270, BR-R9170; Ultegra BR-R8170, BR-R8070; 105 BR-R7070; Tiagra BR-4770; GRX BR-RX810, BR-RX400; XTR BR-M9100, BR-M9110; XT BR-M8110; SLX BR-M7110; Metrea BR-U5000; BR-(RS305-R / R305-F / RS405F / RS405R / RS505 / RS805 / R510 / R310 / TT T910 / UR300 / S7000)
- **Tektro** HD-(R350 / R310); R802front / EU810front / EU811front
- **Riderever** attack-s(FM) / attack-u(FM) / mcx2
- **TRP** HD-T910
- **REVER** MCX1 Flat Mount



SP0204

AD 0204 SM SI

- **Magura** Gustav M~2010

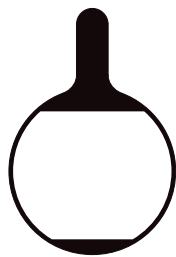


SC0205

AD 0205 OR SM CE SI MC

- **Magura** Marta; Marta SL 2002-2008; Marta Gold; Clark Skeletal

MAGURA 02



AD 0201 OR SM CE SI

- **Magura** Louise 1999-2001; Clara ~2000



PIN0202

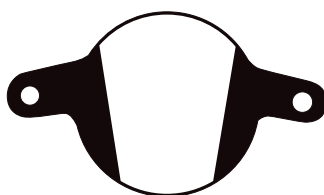
AD 0202 OR SM SI

- **Magura** Julie 2001-2008



AD 0206 OR SM SI MC

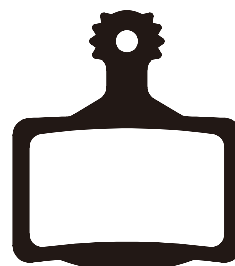
- **Magura** Louise 2007-2010; Marta 2009; Louise Bat; Louise Carbon; Julie HP2009
- **Brake** Force One BFO Brake



PIN0202

AD 0203 OR SM SI

- **Magura** Clara 2001-2002; Louise Louise 2002-2006; Louise FR 2002-2006
- **Promax** DSK-903



AD 0207 OR SM CE SI

- **Magura** MTS / MT2 / MT4 / MT4e / MT4eStop / MT4 flatmount / MT6 / MT6 HC / MT8 / MT8 SL / MT8 pro / MT8 SL flatmount / MT sport / MT Trail sport(rear) / MT Trail SL(rear)
- **Campagnolo** Super Record EPS / Super Record / Record EPS / Record / Chous / Potenza



AD 0208 OR SM CE SI

- **Magura** MT7 / MT7 HC / MT7 PRO / MT5 eStop / MT Trail SL (front) / MT 1893



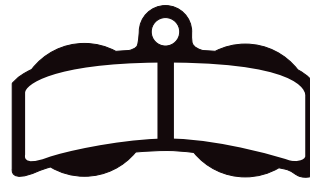
AD 0303 OR SM

- **Hope** DH4 / E4 / M4



AD 0209 SM SI CE

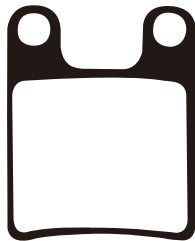
- **Magura** MT5 / MT5e / MT Trail sport (front)



AD 0304 SM

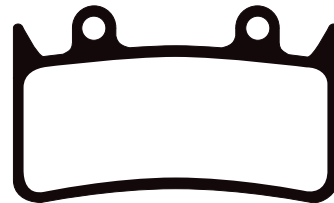
- **Hope** XC 4-PISTON

HOPE 03



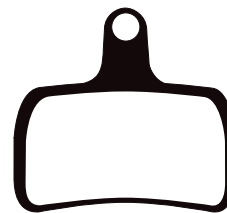
AD 0301 OR SM SI

- **Hope** C2/O2; Open 2
- **Giant** MPH 2000



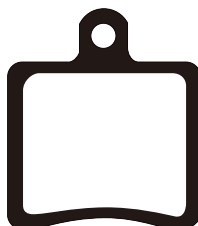
AD 0305 SM SI

- **Hope** Mono 6 TI; Moto M6; 2007 Mono 6



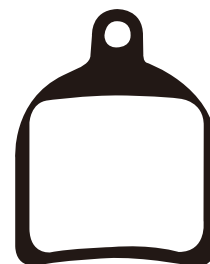
AD 0306 OR SM SI

- **Hope** Mono mini



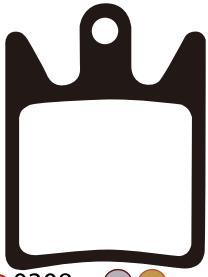
AD 0302 SM SI

- **Hope** 2004 Mono Mini ; 2002 Mono Mini



AD 0307 OR SM SI

- **Hope** Mono Trail; Tech 3 Trial Zone; Trail Zone; Mini Trails

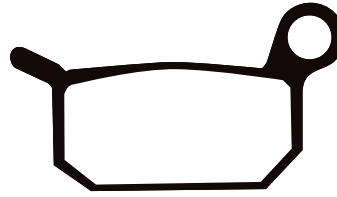


SP0308

AD 0308

- Hope Moto V2

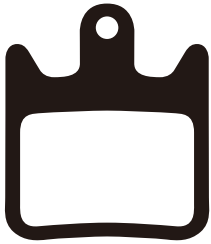
FORMULA 04



SP0402

AD 0402

- Formula B4 (Extreme / Team / Pro / Pro+ / SL / SL+); 4 Racing XC; Extreme (FR / DH / BR / Team / Pro / SL), GRIMECA 13



SP0308

AD 0309

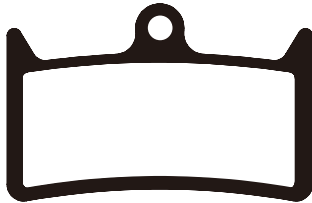
- Hope Tech Evo (X2 / V2 / X2); Tech 3 X2 Uno; Mini (X2 / Pro); Race (EVO X2 / X2)



SP0403

AD 0403

- Formula ORO / K18 / K24



SP0105

AD 0310

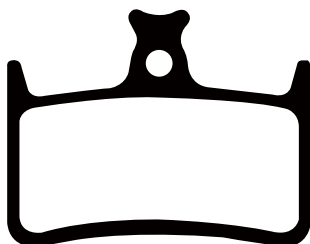
- Hope Tech 3 (V4 / X2 Uno); Tech Evo



SP0404

AD 0404

- Formula Mega; RO Racing; T1 Racing; R1 Racing; The one; R1 / FR / RX / RO / T1 / C1 / CR3 / RR1 / CURA series / CURA-E



SP0101

AD 0311

- Hope Tech 3 E4 / Race Evo E4 / Hope E4 / Stealth Race E4 / Tech M4 / RX4-SH / RX4+ brake

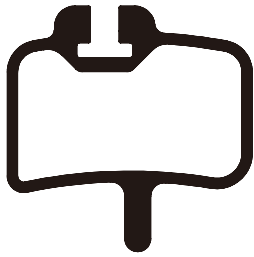


SP0405

AD 0405

- Formula Cura 4

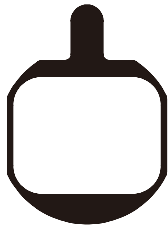
HAYES 05



SP0501

AD 0501 OR SM CE SI MC

- Hayes HFX Mag / Plus / XC / HD / 9 Carbon / 9XC / 9HD / MX1; HFX-9 hydr; +mech
- Promax hydraulic



AD 0502 OR SM CE SI

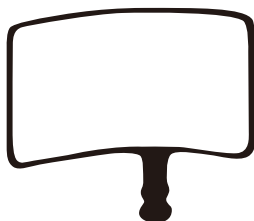
- Hayes GX-2; MX-(2 / 3 / 4 / 5), Sole, CX pro (comp / exper) / QUAD (QHD-4 / 5 / SP)
- Promax DSK-810
- Cannondale Helix 6
- Bengal ares & MB series / strida / Helix 1~7.5 (not including Helix 4X / 7B / Ares pro / 5)



SP0503

AD 0503 SM SI MC

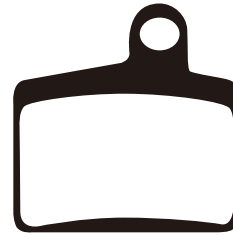
- Hayes El Camino; El trail hydraulic



SP0503

AD 0504 OR SM SI

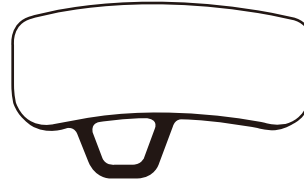
- Hayes Stroker (Trail / Carbon / Gram)



SP0505

AD 0505 OR SM CE SI MC

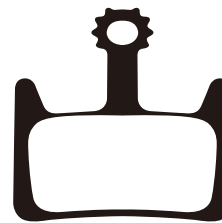
- Hayes Hayes Stroker Ryde; Dyno Sport, Radar



SP0503

AD 0506 SM SI

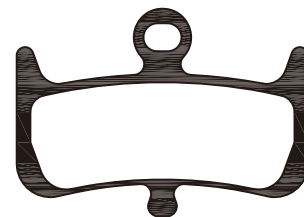
- Hayes Stroker Ace



SP0507

AD 0507 OR SM SI

- Hayes Prime / Prime comp

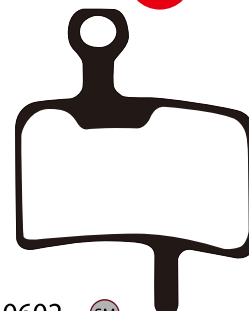


SP0508

AD 0508 OR SM SI

- Hayes Dominion A4 / A4 SFL

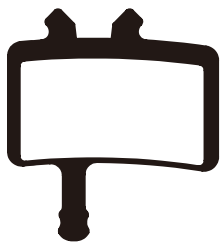
DIATECH 06



AD 0602 SM

- Dia-tech Anchor / Armor
- Promax DSK-901

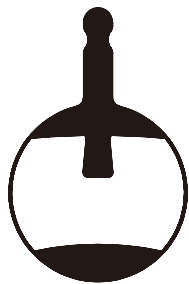
AVID 07



SP0701

AD 0701 OR SM CE SI MC

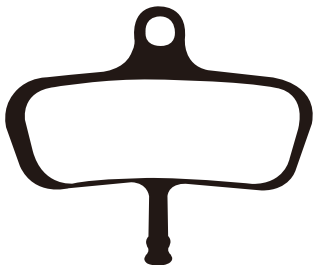
- **Avid** Juicy (carbon/3/5/7/ultimate); BB7 mechanical
- **Promax** DSK-950



SP0702

AD 0702 OR SM CE SI

- **Avid** BB3 / BB5 Mechanical
- **Promax** DC-(710 / 720 / 913) ; DSK-(710 / 717R / 717 / 300 / 300R / 310 / 330R); Render; Render R
- **Clarks** CMD17



SP0703

AD 0703 OR SM CE SI MC

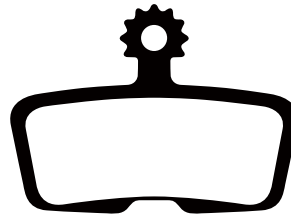
- **Avid** CODE 4-piston; Code (2008-2010); Code (5/7)



SP0704

AD 0704 OR SM CE SI MC

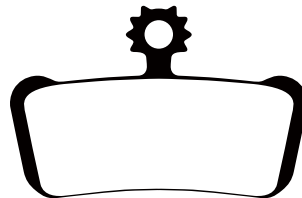
- **Avid** Elixir (1 / 3 / 5 / 7 / 9 / R / CR)
- **SRAM** Code; XX; XO; XO trail; DB (5 / 3 / 1); Level TL; T; Level
- **Trickstuff** C21



SP0705

AD 0705 OR SM CE SI

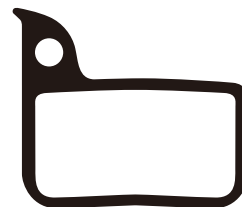
- **Avid** Code R; CODE (2011-2014)
- **SRAM** Code (RSC/R); Guide RE / DB8



SP0706

AD 0706 OR SM CE SI

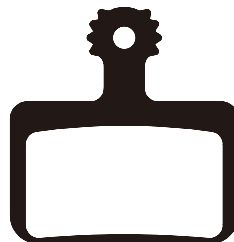
- **Avid** XO Trail; Elixir (7 Trail / 9 Trail 4-piston)
- **SRAM** Guide (Ultimate / RSC / RS / R / T), G2 Ultimate



SP0707

AD 0707 OR SM CE SI

- **Avid** Road RED
- **SRAM** Road RED / HRD, eTap HRD, Level Ultimate / TLM/Force1 / CX1 / Force / Rival 1 / Rival 22 / S-700/LevelTLM, Hydro R

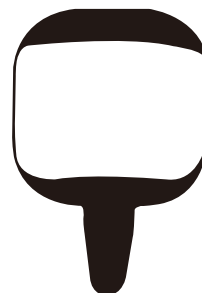


SP0704

AD 0708 OR SM CE

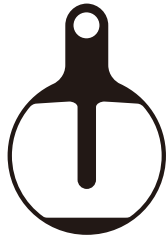
- **Avid** (DB1 / DB3 / DB5 / TL / T / Level hydraulic / Force 2020) Hydraulic

TEKTRO 08



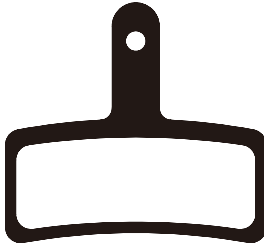
AD 0801 OR SM CE

- **Tektro** (Aquila / IO); Novela (PRE 2010) Hydraulic / Mechanical



AD 0802 OR SM CE

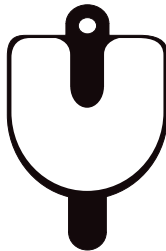
- **Tektro** Lyra MD-C500 / IOX / Novela 2011 / Novela MD-M311



AD 0803 SM CE

- **Tektro** E-Bike Dorado HD-E710

RST 09



AD 0901 OR SM

- **RST** mechanical

ZOOM 10



AD 1101 OR SM CE

- **Zoom** mechanical disc brakes, DB-(250 / 350 / 450 / 550)
- **Alhonga** SNG MECHANICAL
- **Clarks** CMD-21

LOGAN 11



AD 1201 SM

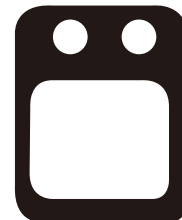
- **Logan** DX 2001 / 2002

SR SUNTOUR 12



AD 1301 SM

- **SR SUNTOUR** DB XCC-MC Mechanical
- **Tektro** SUB; e-sub; Twin; Volans
- **TRP** Parabox 2011 Rear



AD 1302 SM

- **SR Suntour** DB XCC-HD hydraulic

PROMAX 13

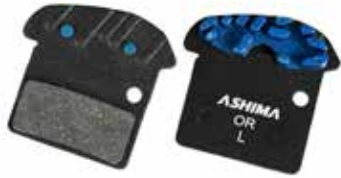


AD 1401 OR SM CE

- **Promax** DSK-(200 / 200S / 400 / 400E / 400S / 420 / 610 / 650) mechanical (pad in 4mm / out 5.5mm); DSK-320 / 700 mechanical (pad both in 4mm)

AIR THERMAL DISC BRAKE PADS

- Wave design backing increases the air contact area.
- The channels enhance the heat dissipation, and reduce the weight.
- Part Number: **AT0104-OR-A w/spring**
AT0105-OR-A w/spring
AT0106-OR-A w/spring
AT0107-OR-A w/spring
AT0704-OR-A w/spring



AT0104-OR-A



AT0105-OR-A



AT0106-OR-A

OR



AT0107-OR-A



AT0704-OR-A

BRAKE SHOES

COMPOUND SELECTION

ASHIMA offers a wide range of specific compounds, which offer outstanding performance on all types of rims.

CARBON RIM COMPATIBLE

Pro-Carbon Compound: **CA1**

The newly developed compound is the best solution for Carbon rims. Excellent performance under both wet and dry conditions. Outstanding rim protection by its low operation temperature. And also, reinforced pad wear is the main improvement of CA1 compound.



AR45R-P-CA1

Pro-Cac: **PCac**

Specifically for carbon rims that are prone to thermal distortion on long descents. As the name suggests Pro. is for professional riders that require ultimate stopping power whatever the conditions. Unlike traditional pads when things get hot Pro just bites harder. Wet performance is up a staggering compared to standard compounds.



ARS45RB-P-PCAC

Advanced Carbon Compound: **CA**

Developing rim specific compounds for selected OEMs ASHIMA has gained the necessary knowledge to allow year on year improvements, the result is a CRM (CorkRubber Matrix) that excels in wet/dry condition whilst being rim friendly.



ARS72R-P-CA

ALLOY RIM COMPATIBLE

Pro G: **PG**

For alloy rims as the name suggests Pro. is for professional riders that require ultimate stopping power whatever the conditions. Unlike traditional pads when things get hot Pro just bites harder. Wet performance is up a staggering compared to standard compounds.



AP68R-P-PG

Advanced Alloy Compound: **AL**

This is an outstanding compound that gives excellent performance on all alloy rims, giving market leading performance on both dry/wet conditions. This is universally considered as the ideal all round performance and selected by all after-market brands which ASHIMA supply.



ARS66-P-AL

Comp-Trial Compound: **CT**

ASHIMA has developed a range of super sticky compounds specifically for trails use where you need huge amounts of stopping power instantaneously, for this compound pad wear/noise take fourth place for the characteristics profile following performance, performance, and performance.



AB48V-P-CT

AB50CV-P-MH-CT

CERAMIC RIM COMPATIBLE

Pro-Ceramic: **CE**

Simply the best compound for ceramic rims, if you ride ceramic rims then the only compound you'll want to use is the ASHIMA Pro-Ceramic.



ARS45R-P-CE

E-BIKE COMPATIBLE

Pro E-Bike Compound: **EA**

Instead of making the brake pad larger, ASHIMA developed this E-bike compound by its up-to-date technology. Specially developed EA compound is suitable for E-bike, Heavy Bike, and Cargo bikes with extra stopping power, and longer pad wear.












AP65V-P-EA





AP50CV-P-MH-EA

PAD STYLE

EBS Pad Feature Summary: by pad style

EBS FEATURES									
Pad Range	Water Remove	ANTI-Squeal	Crud Remove	Max Brake Area	Plough Feature	Air Flow Cooling	Wear dot Indication	Rubber Plastic Matrix	Wide Rim 23-28 mm
45	-	-	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-	-	✓
66	✓	✓	-	-	-	-	-	-	-
65	✓	✓	✓	-	-	-	-	-	-
68	✓	✓	✓	✓	✓	-	-	-	-
72	✓	✓	✓	✓	✓	✓	✓	-	-
73	✓	✓	✓	✓	✓	✓	✓	✓	-
75	✓	✓	✓	✓	-	✓	✓	-	-
76	✓	✓	✓	✓	-	✓	✓	-	✓

4 FUNCTION IN 1 BRAKE PADS

SHIMANO		CAMPAGNOLO	
STANDARD MOUNT	DIRECT MOUNT	STANDARD MOUNT	DIRECT MOUNT
			

4 in 1 Brake pad Pad Length 54 mm



AR 45R-P-AL

AR 46R-P-CA1

The pad is compatible with 4 different shoes as shown above. The surface design provides excellent braking performance, and is suitable for all weather use.

SHIMANO DIRECT MOUNT

This pad is specially for Shimano direct mount BR-(9110 / 9010 / 7010 / 6810 / 5810 / 5710) caliper. The characteristic of this cartridge is the position of the fixing bolt not as usual, so this special pad is needed in order to fixing bolt to avoid the pad comes off.

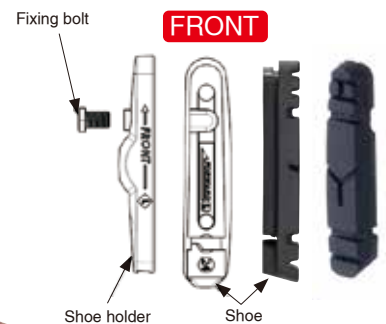


ARS 45RB-P-AL

ARS 46RB-P-AL

ARS 73RB-P-AL

ARS 75RB-P-PCAC



STANDARD RANGE

35 36 45 46 47 48 50 : Unrivalled value

High performance value pad with minimum EBS technology: Brake surface offers all round functionality and acts as a direct equivalent replacement for most OEM pads. This range is aimed at casual infrequent riders for whom economy is the primary concern. Available for all MTB and road systems



35

MTB Pad Length 55 mm



AP 35V-P-AL



AP 35-P-AL

36

MTB Pad Length 65 mm



AP 36-P-AL

47 OP. : **AL CT EA**

MTB Pad Length 70 mm



AP 47V-P-AL



AP 47-P-AL

48 OP. : **AL PG CT EA**

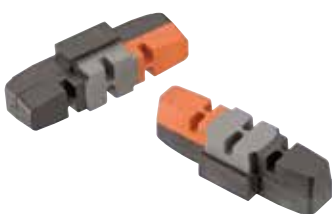
MTB Pad Length 60 mm



AP 48V-P-AL

50 OP. : **AL PG CT EA**

MTB Pad Length 50 mm



AP 50CV-M-MH-AL



AP 50CV-P-MH-AL

TRIALS / BMX

For those who demand short bursts of instant stopping power, giving the ability to achieve phenomenal weight shifts from one wheel to the other in a fraction of a second, allowing the rider greater control over the bike, necessary to perform near impossible tricks or to take on the most demanding of obstacles. A range of pads designed to specifically bring out the best performance of the Magura hydraulic rim brakes, V/cantilever and U brakes.

48 Pad Length 60 mm



AB 48V-P-CT

50 Pad Length 50 mm



AB 50CV-P-MH-CT

45

ROAD (Shimano - Direct Mount) Pad Length 54 mm OP. : CA PCac CA1 AL PG CE



ARS 45CR-P-B-AL

ROAD (Shimano - Standard Mount) Pad Length 54 mm



ARS 45CR-P-HU-AL



ARS 45CR-P-H-AL



ARS 45CR-P-M-AL



ARS 45CR-P-S-AL



ARS 45CV-P-S-AL
Pad length 53 mm
MINI VELO

ROAD (Campy) Pad Length 54 mm



ARC 45CR-P-HU-AL



ARC 45CR-P-H-AL



ARC 45R-P-AL



ARC 45R-P-AL-11S

MTB Pad Length 72 mm OP. : AL PG CT EA



AP 45CV-P-S-AL



AP 45R-P-AL



AP 45V-P-AL



AP 45-P-AL

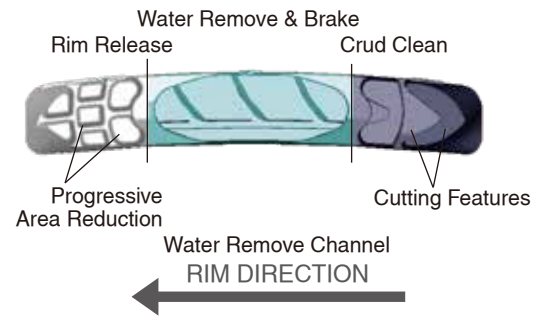


AP 45CR-P-M-AL CYCLOCROSS

ADVANCED RANGE 65 For serious off road performance (Pat.)

Ashima mid-range EBS pad. Braking surface has been broken down into three key areas each with a specific function:

- **Crud Clean:** Cutting features to remove the heavy contaminants
- **Max Brake & Water Remove:** Like a car tire tread water is removed from the contact surface to improve performance
- **Rim Release:** Anti squeal design eliminates noise and the need to set "toe-in"
- This pad is aimed at the more serious weekend rider who likes to get a little dirty, where performance, especially in the mud & crud is a prerequisite.

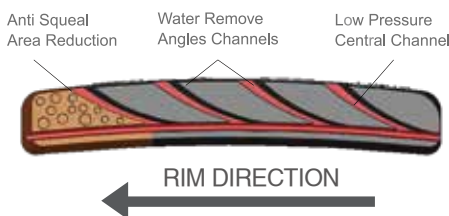


MTB Pad Length 72 mm OP. : AL PG EA



ADVANCED RANGE 66 For outstanding performance (Pat.)

66



Ashima entry level EBS pad, with advanced groove profile: inspired by a car tire tread the central channel that runs the entire length of the brake surface, ensures contaminants have a low pressure escape route away from the brake/rim interface, giving superior wet performance.

Exit channels are angled in the direction of rim travel making it easier to remove the contaminants from the brake. This range is targeted at more frequent bike riders and ideal for the commuter where performance is more of a concern.

ROAD (Shimano - Direct Mount) Pad Length 50 mm OP. : AL PG CE



MTB Pad Length 72 mm OP. : **AL** **PG** **EA**

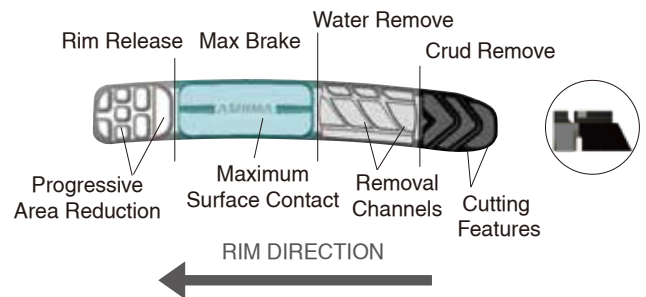


BRAKE SHOES

ADVANCED RANGE-4FUN

68 For Ultimate off road performance(Pat.)

This pad represents the pinnacle of EBS technology; where not only has the braking surface been engineered but also the side profile has been specifically styled/shaped to significantly improve braking performance in the most aggressive of environments.

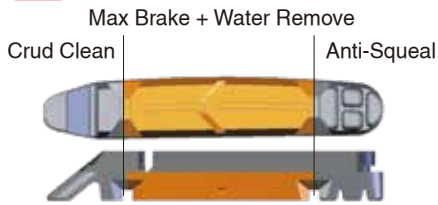


MTB Pad Length 72 mm OP. : **AL** **PG**

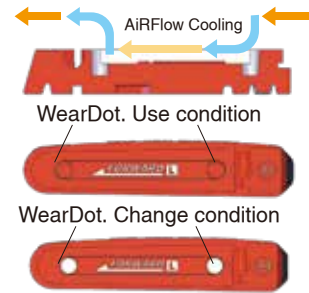
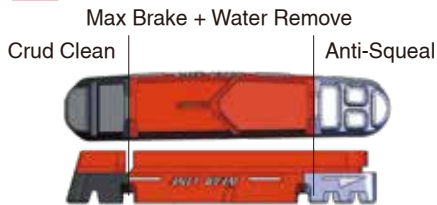


PRO RANGE 72 73 75 76

72



73



Features

- Elongated pad for superior braking
- Crud Clean: Cutting features & plough to remove the most stubborn of contaminants
- Water Clean: Prime rim surface ready for braking using improved groove technology
- Max Brake: Largest contact area centered on bolt axis for uniform surface pressure
- Rim Release: Anti-squeal design eliminates noise and the need to set "toe-in"

72

ROAD (Shimano-Standard Mount) Pad Length 65 mm OP. : CA PCac CA1 AL PG CE



ARS 72CR-M-A-AL



ARS 72CR-M-HU-AL



ARS 72CR-P-HU-AL



ARS 72CR-P-A-AL



ARS 72R-M-AL



ARS 72R-P-AL

ROAD (Campy) Pad Length 65 mm



ARC 72CR-M-HU-AL



ARC 72CR-P-HU-AL



ARC 72R-M-AL



ARC 72R-P-AL

MTB Pad Length 80 mm OP. : AL PG CE



AP 72CV-M-A-AL



AP 72CV-M-HU-AL



AP 72CV-P-HU-AL



AP 72R-M-AL



AP 72R-P-AL

RPMx: RUBBER PLASTIC MATRIX PADS Pat.

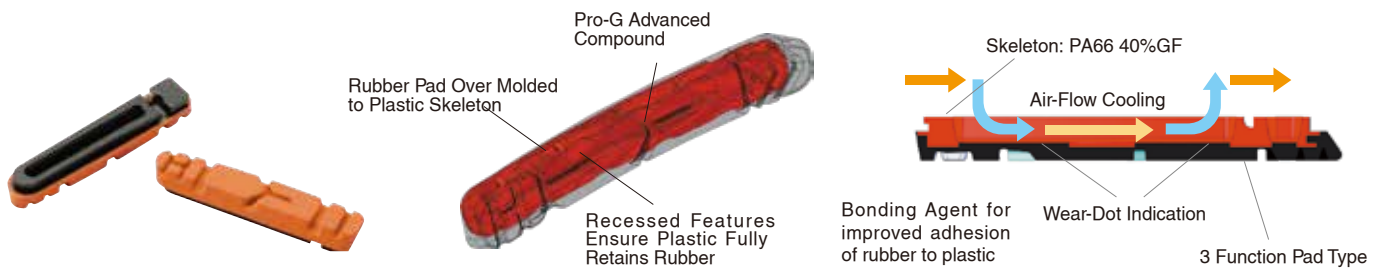


Features

- Plastic/Rubber Matrix
- High strength engineering grade PA 66 40% GF used for pad/holder interface

Advantages

- Superior fit between pad and holder. Rubber molding tolerance +/-0.3mm, Plastic molding tolerance +/- 0.05mm
- Vastly improved production stability. Rubber mold tool 60-80 cavities vs plastic 1 LH & 1 RH
- Ultra-stiff pad. Reduces compression of rubber giving more responsive better performing brakes Improved rider safety.
- Impossible to accidentally remove pad from holder whilst removing / fitting wheels, unlike standard rubber pads
- Reduced weight
- Air-Flow cooling
- Wear-Dot Indication



73

AERO+RPMx

ROAD (Shimano) Pad Length 57 mm

OP.: CA PCac CA1 AL PG CE



ARS 73CRx-P-A-PG



ARS 73Rx-P-PG



ARS 73CRx-P-A-PCAC



ARS 73Rx-P-PCAC

MTB Pad Length 73 mm OP.: AL PG CE



AP 73CRx-P-A-PG



AP 73Rx-P-PG



AP 73CRx-P-A-PCAC



AP 73Rx-P-PCAC

75 Pad Length 54 mm

ALLOY SPECIFIC PADS: 75 Series Pads

Pro-G compound is made by multi natural materials, and having high coefficient of friction. This compound has the characteristic of water repellent, which can enhance the braking performance, especially in wet condition. Pro-G compound also shows the excellent heat resistance and extremely stable friction performance.



ARS 75R-P-PG
ARC 75R-P-PG

CARBON SPECIFIC PADS: 75 Series Pads

"what works on alloy isn't always best for carbon"

After many years of developing compounds for a multitude of rim manufacturers we know pad requirements for Carbon are very different from those on Alloy rims; that's why their profiles must be different.

For carbon there are three primary driving forces; rim protection heat/wear, wet performance and pad wear. The pads must deliver maximum braking in all conditions whilst operating at the lowest temperature, and you don't want to be changing pads halfway through a race or rims every few stages! It's simple, the lower the operating temperature the lower the wear, hence our 75 series pads offer maximum contact but with sufficient channeling to ensure high wet braking performance. Generally wet performance on carbon is an issue, a dangerous issue. 90% of carbon pads sold may will protect your rims but they can't stop you when it matters in the wet. With alloy rims wet performance can be enhanced by pad profile but not so on carbon where it's solely down to compound. That's why Ashima developed Pro-Cac, which is used on all 75 series brake pads, to deliver wet performances on par with Alloy.



Shimano: ARS 75R-P-PCAC
Campy: ARC 75R-P-PCAC
Colour option is available

ROAD Pad Length 54 mm Shimano - Direct Mount OP. : **CA PCac CA1 AL PG CE**



ARS 75CR-P-B-PCAC

Shimano - Standard Mount Pad Length 54 mm

Campy Pad Length 54 mm



ARS 75CR-HU-PCAC



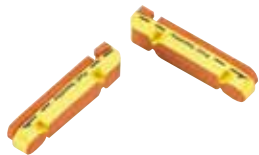
ARS 75CR-P-H-PCAC



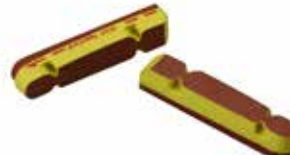
ARC 75CR-P-HU-PCAC



ARC 75CR-P-H-PCAC



ARS 75R-P-PG



ARC 75R-P-PCAC

46 76 for Wide Rims 23-28mm Pad Length 54 mm OP. : **CA PCac CA1 AL PG CE**

CARBON SPECIFIC PADS FOR WIDER RIMS:

"76 Series pads are not only thinner for wider rims, but also compatible with both Shimano and Campagnolo"

The wider carbon rims are getting more popular nowadays. In order to maintain the braking feeling for riders who are using wider rims, Ashima now has the thinner pads for the rim width over 23mm. Another main feature of these pads is that they are compatible with Shimano system, as well as Campagnolo system. Ashima improves product quality by increasing the riding performance, also enhancing the convenience of use.



AR 46R-P-AL



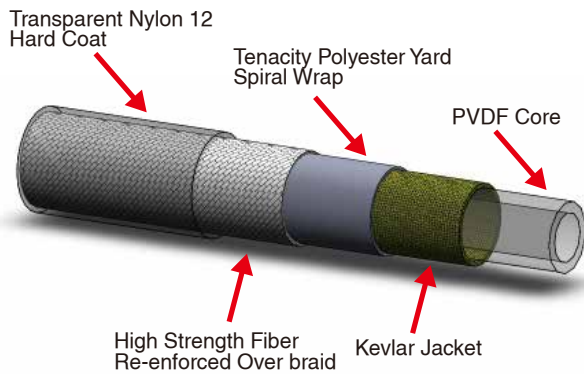
AR 76R-P-AL



HOSE & CABLE

HYDRAULIC HOSE

reAction



OUTER CASING: OC5 OD=5.4mm ID=2.5mm
 OC51 OD=5.0mm ID=2.3mm
 OC52 OD=5.0mm ID=2.1mm

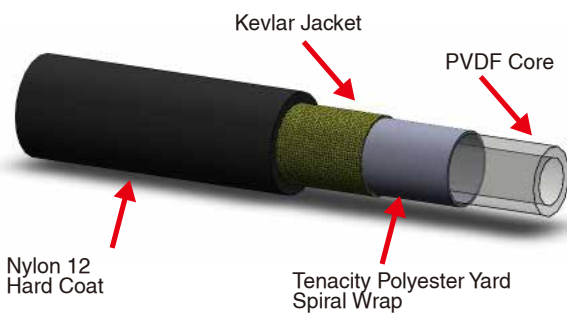
Construction:

- PVDF core
- Double Braided
- Kevlar Jacket
- Strong Fiber Over Braid
- Tenacity Polyester Yard Spiral Wrap
- Transparent Nylon 12 Hard Coat

Advantages:

- Ultra-low expansion for improved feel
- Minimal fluid drag for responsive braking
- Maximum burst strength
- Max Strength to Weight Ratio
- Ultra-light weight
- High tear resistance
- High flexibility
- Exceptional Aesthetics

Action



OUTER CASING: OC5 OD=5.4mm ID=2.5mm
 OC51 OD=5.0mm ID=2.3mm
 OC52 OD=5.0mm ID=2.1mm

Construction:

- PVDF core
- Tenacity Polyester Yard Spiral Wrap
- Kevlar Braided
- Nylon 12 Hard Coat

Advantages:

- Low expansion for positive feel
- Minimal fluid drag for responsive braking
- Excellent Strength to Weight Ratio
- Ultra-light weight
- High tear resistance
- High flexibility







Hydraulic Hose Workshop Box (Length=30M)		
AH-MB-OC5-WS-XX	OD = 5.4mm, ID = 2.5mm	XX = Color Code: WH BK BU RD YL (Solid Color)
AH-MB-OC51-WS-XX	OD = 5.0mm, ID = 2.3mm	
AH-MB-OC52-WS-XX	OD = 5.0mm, ID = 2.1mm	



HOSE & CABLE

HOSE : KIT BOX

	RH-OC5-H-KB-XX	RH-OC5-T-KB-XX	RH-OC51-S-KB-XX	RH-OC51-F-KB-XX
	AH-OC5-H-KB-XX	AH-OC5-T-KB-XX	AH-OC51-S-KB-XX	AH-OC51-F-KB-XX
Dimension	OD=5.4 ID=2.5		OD=5.0 ID=2.3	
Accessories Kit				
Compatible Models	Hayes Dyno Sport / Comp; Prime Sport; Radar; Stroker Ryde	Tektro Auriga Comp / Comp WS; Draco / WS / 2 ; Gemini	Shimano XTR M975 ; Deore XT M775 ; SLX M665 ; Deore LX T665 / M585 ; Hone M601 ; Deore T615 / M595 / M535 / M525 ; Alfine S500 / S501 ; Metrea U5000 ; Alivio M4050 ; Acrea M3050 ; Non-Series T605 / MT520 / MT500 / MT501 / MT420 / MT400 / MT200 / M575 / M486 / M485 / M447 / M446 / M445 / M401 / M400 / M395 / M365 / M355 / M315 / M201 / M200 / UR300	Formula R1R; R1; R0; RX; T1; Mega

	RH-OC52-M-KB-XX	RH-OC52-A-KB-XX	RH-OC52-R-KB-XX	RH-OC52-S90-KB-XX
	AH-OC52-M-KB-XX	AH-OC52-A-KB-XX	AH-OC52-R-KB-XX	AH-OC52-S90-KB-XX
Dimension	OD=5.0 ID=2.1			
Accessories Kit				
Compatible Models	Magura MT Trail; MT 8 / 7 / 6 / 5 / 4	Avid Juicy 3 / 3.5 ; Code COD2008~2010 / 5 / 7 / R 2011; Elixir 1 / 3; DB 2016 1 / 3; Red 22	SRAM Guide 2017 Ultimate / RSC / RS / RE / R; Level TLM & TL / Ultimate; CODE 2018 R. RSC"	Shimano (BH90) XTR (M9120 / M9100 / M9020 / M9000); Saint M820; Deore XT (M8120 / M8100 / M8020 / M8000); SLX (M7120 / M7100); Zee M640; Deore M6000

XX=Color       (Transparent Color)
      (Solid Color)



INNER WIRE: HEADER CARD

Ashima inner wires can be identified by the clear code designation that is on each and every cable end nipple, so there can be no confusion about the use.

Market	ASHIMA CODE LH	USE	OEM System Manufacture		
			Shimano	Campagnolo	Universal
			Ashima Code RH		
Road	AR	Brake	SB	CB	-
MTB	AM	Brake	-	-	UB
Universal	AU	Derailleur	SG	CG	-

BRAKE WIRE
END NIPPLE

DERAILLEUR
END NIPPLE



SHIMANO ROAD

SHIMANO



CAMPY. ROAD

CAMPY.



MTB UNIVERSAL



PRO PTFE COATING WIRES

Ashima Reaction+ Pro PTFE Coating Wires provide initial pre-stretching to avoid re-adjusting the inner length after using. This wire serves up corrosion resistance and weather resistance, especially smooth low friction and crisp stopping power under all conditions.



HOSE & CABLE

INNER WIRE

- Stainless Steel
 - Slick, 19 x Strands
 - Increased environmental protection
- Slick
 - Reduced weight
 - Pre stretched to ensure 1 set-up
- Pro PTFE coated
 - Surface smoothed for improved efficiency
 - Initial Pre-stretched, Ultra slick.
 - Ultra low friction surface for improved efficiency
 - Hard wearing for endurance/life
- Universal
 - Increased environmental protection
 - Excellent corrosion resistance, acid, alkali resistance and weather resistance.
 - Campagnolo/Shimano/ Universal end fittings



BRAKE WIRE
END NIPPLE

DERAILLEUR
END NIPPLE



SHIMANO ROAD

SHIMANO



CAMPY. ROAD

CAMPY.



MTB UNIVERSAL

reaction⁺ X10-9 PTFE Inner Wire

ReAction+ is Ashima's premier derailleur offering delivering smooth, precise, effortless shifting. What is Nano Coating? Nano coating is a process where PTFE is added to plasma, which is then sprayed on the surface of the wire bundle. The result is a super fine coating (1000x finer than the thickness of a human hair) that penetrates deep into the wire strands rendering the surface super slick, with lowest friction possible and incidentally, also water repellent. In short it delivers cables with the best efficiency possible.

INNER WIRE

- | | |
|------------------|---|
| Stainless Steel | <input type="checkbox"/> Slick, 19 x Strands |
| | <input type="checkbox"/> Increased environmental protection |
| | <input type="checkbox"/> Reduced weight |
| Slick | <input type="checkbox"/> Pre stretched to ensure 1 set-up |
| | <input type="checkbox"/> Surface smoothed for improved efficiency |
| Nano PTFE coated | <input type="checkbox"/> Ultra low friction surface for improved efficiency |
| | <input type="checkbox"/> Hard wearing for endurance/life |
| | <input type="checkbox"/> Increased environmental protection |
| Universal | <input type="checkbox"/> Campagnolo/Shimano/ Universal end fittings |



DERAILLEUR
END NIPPLE



SHIMANO



CAMPY.

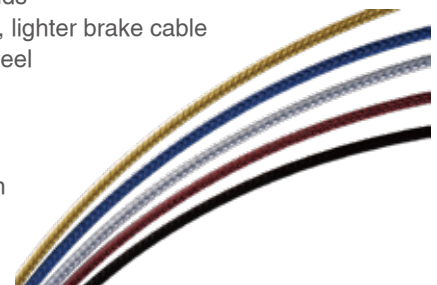
Double Headed

reaction

ReAction is designed to offer Elite levels of performance

OUTER CASING: SP (Brake & Derailleur)

- | | |
|------------------------|---|
| SP-High Strength Steel | <input type="checkbox"/> Ø5 & Ø4.5, 19 x Strand wires |
| Kevlar Braid | <input type="checkbox"/> High strength wrap to prevent migration of wire strands |
| | <input type="checkbox"/> High strength allowing SP to be used as brake outer, lighter brake cable |
| | <input type="checkbox"/> High strength, reduced compression for responsive feel |
| | <input type="checkbox"/> High tech aesthetics |
| PE Liner | <input type="checkbox"/> Ultra low friction surface for improved efficiency |
| | <input type="checkbox"/> Hard wearing for endurance/life |
| Lubricated Liner | <input type="checkbox"/> For exceptional response and silky smooth operation |
| Transparent Outer | <input type="checkbox"/> Unrivaled aesthetics |



SP

INNER WIRE

- | | |
|-----------------|--|
| Stainless Steel | <input type="checkbox"/> Slick, 19 x Strands |
| | <input type="checkbox"/> Increased environmental protection |
| | <input type="checkbox"/> Reduced weight |
| Slick | <input type="checkbox"/> Pre stretched to ensure 1 set-up |
| | <input type="checkbox"/> Surface smoothed for improved efficiency |
| PTFE coated | <input type="checkbox"/> Initial Pre-stretched, Ultra slick. |
| | <input type="checkbox"/> Ultra low friction surface for improved efficiency |
| | <input type="checkbox"/> Hard wearing for endurance/life |
| Universal | <input type="checkbox"/> Increased environmental protection |
| | <input type="checkbox"/> Excellent corrosion resistance, acid, alkali resistance and weather resistance. |
| | <input type="checkbox"/> Campagnolo/Shimano/ Universal end fittings |



BRAKE WIRE
END NIPPLE

DERAILLEUR
END NIPPLE



SHIMANO ROAD



SHIMANO



CAMPY. ROAD



CAMPY.



MTB UNIVERSAL

Action+

Action+ is the mid-range offering that is comparable to Ashima's competitors premier aftermarket products. The inner/outer casing combination has been designed to offer Professional levels of performance but with reduced features when compared to ReAction. This range is targeted at competition riders that only want to limit their budget.

OUTER CASING: 2P(Brake) SP(Derailleur)

- | | |
|---------------------------|---|
| 2P High Strength Steel | <input type="checkbox"/> Ø5, 0.6 x 1.6mm Flat Wrap |
| SP-High Strength Steel | <input type="checkbox"/> Ø5 & Ø4.5, 17 x Ø4.8 Strand wires |
| High Strength Fiber Braid | <input type="checkbox"/> High strength, reduced compression |
| | <input type="checkbox"/> High strength brake outer |
| | <input type="checkbox"/> High tech aesthetics |
| PE Liner | <input type="checkbox"/> Ultra low friction surface for improved efficiency |
| | <input type="checkbox"/> Hard wearing for endurance/life |
| Semi-Transparent Outer | <input type="checkbox"/> Exceptional aesthetics |

INNER WIRE

- | | |
|-----------------|---|
| Stainless Steel | <input type="checkbox"/> Slick, 19 x Strands |
| | <input type="checkbox"/> Increased environmental protection |
| | <input type="checkbox"/> Reduced weight |
| Slick | <input type="checkbox"/> Pre stretched to ensure 1 set-up |
| | <input type="checkbox"/> Surface smoothed for improved efficiency |
| Universal | <input type="checkbox"/> Campagnolo/Shimano/ Universal end fittings |



2P



SP



BRAKE WIRE
END NIPPLE

DERAILLEUR
END NIPPLE



SHIMANO ROAD

SHIMANO



CAMPY. ROAD

CAMPY.



MTB UNIVERSAL

Action

Action range has been developed to satisfy the needs of those riders who are more budget conscious but won't compromise on quality or durability.

OUTER CASING: 2P (Brake) SP(Derailleur)

- | | |
|------------------------|---|
| 2P High Strength Steel | <input type="checkbox"/> Ø5, 0.6 x 1.6mm Flat Wrap |
| SP High Strength Steel | <input type="checkbox"/> Ø5mm & Ø4.2, 17 x Ø4.8 Strand wires |
| POM Liner | <input type="checkbox"/> Low friction surface for improved efficiency |
| | <input type="checkbox"/> Hard wearing for endurance/life |
| Colored Outer | <input type="checkbox"/> Color match components/frame |

INNER WIRE

- | | |
|-------------|---|
| Steel Cable | <input type="checkbox"/> 19 x Ø0.24, 19 x Strands |
| | <input type="checkbox"/> Increased strength |
| Galvanized | <input type="checkbox"/> Reduced friction surface for improved efficiency |
| | <input type="checkbox"/> Environmental protection |
| Universal | <input type="checkbox"/> Campagnolo/Shimano Compatible end fittings |



2P



SP



BRAKE WIRE
END NIPPLE

DERAILLEUR
END NIPPLE



SHIMANO ROAD

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MTB UNIVERSAL

INNER WIRE SINGLE

RANGE	MARKET	USE	WIRE DIA (mm)	LENGTH (mm)	END-FITTING	Finish/ Material	Quantity	ASHIMA No.			
reaction⁺ Pro PTFE	Universal	Derailleur	1.1	2100	Shimano	Stainless Steel Slick Pro PTFE coated	1 wire	RPM-UDS-IN-HC			
	Universal	Derailleur	1.1	2100	Campagnolo			RPM-UDC-IN-HC			
	Road	Brake	1.5	1700	Shimano			RPM-PBS-IN-HC			
	Road	Brake	1.5	1700	Campagnolo			RPM-RBC-IN-HC			
	MTB	Brake	1.5	1700	MTB Universal			RPM-MB-IN-HC			
reaction⁺ X10 ⁻⁹	Universal	Derailleur	1.1	2200	Shimano / Campagnolo	Stainless Steel Slick PTFE Nano coated	1 wire	RPM-UDU-IN-HC			
reaction	Universal	Derailleur	1.1	2100	Shimano	Slick & PTFE Coated / Stainless Steel	1 wire	RM-UDS-IN-HC			
		Tandem/Derailleur		3100				RM-TUDS-IN-HC			
		Derailleur		2100	Campagnolo			RM-UDC-IN-HC			
		Tandem/Derailleur		3100				RM-TUDC-IN-HC			
	Road	Brake	1.5	1700	Shimano			RM-RBS-IN-HC			
		Tandem/Brake		3500				RM-TRBS-IN-HC			
		Brake		1700	Campagnolo			RM-RBC-IN-HC			
		Tandem/Brake		3500				RM-TRBC-IN-HC			
	MTB	Brake	1700	MTB Universal	RM-MB-IN-HC						
		Tandem/Brake	3500		RM-TMB-IN-HC						
	Action⁺	Universal	Derailleur	1.1	2100			Shimano	Slick /Stainless Steel	1 wire	APM-UDS-IN-HC
			Tandem/Derailleur		3100						APM-TUDS-IN-HC
Derailleur			2100		Campagnolo	APM-UDC-IN-HC					
Tandem/Derailleur			3100			APM-TUDC-IN-HC					
Road		Brake	1.5	1700	Shimano	APM-RBS-IN-HC					
		Tandem/Brake		3500		APM-TRBS-IN-HC					
		Brake		1700	Campagnolo	APM-RBC-IN-HC					
		Tandem/Brake		3500		APM-TRBC-IN-HC					
MTB		Brake	1700	MTB Universal	APM-MB-IN-HC						
		Tandem/Brake	3500		APM-TMB-IN-HC						
Action		Universal	Derailleur	1.1	2100	Shimano	Slick /Galvanized	1 wire			AM-UDS-IN-HC
			Tandem/Derailleur		3100						AM-TUDS-IN-HC
	Derailleur		2100		Campagnolo	AM-UDC-IN-HC					
	Tandem/Derailleur		3100			AM-TUDC-IN-HC					
	Road	Brake	1.5	1700	Shimano	AM-RBS-IN-HC					
		Tandem/Brake		3500		AM-TRBS-IN-HC					
		Brake		1700	Campagnolo	AM-RBC-IN-HC					
		Tandem/Brake		3500		AM-TRBC-IN-HC					
	MTB	Brake	1700	MTB Universal	AM-MB-IN-HC						
		Tandem/Brake	3500		AM-TMB-IN-HC						

INNER WIRE : WORK-SHOP BOX



RANGE	MARKET	USE	WIRE DIA (mm)	LENGTH (mm)	END-FITTING	Finish/ Material	Universal	ASHIMA No.
reaction	Universal	Derailleur	1.1	2100	Shimano	Slick & PTFE Coated / Stainless Steel	50 wires	RM-UDS-IN-WS
					Campagnolo			RM-UDC-IN-WS
	Road	Brake	1.5	1700	Shimano			RM-RBS-IN-WS
					Campagnolo			RM-RBC-IN-WS
	MTB	MTB Universal	RM-MB-IN-WS					
action+	Universal	Derailleur	1.1	2100	Shimano	Slick /Stainless Steel	100 wires	APM-UDS-IN-WS
					Campagnolo			APM-UDC-IN-WS
	Road	Brake	1.5	1700	Shimano			APM-RBS-IN-WS
					Campagnolo			APM-RBC-IN-WS
	MTB	MTB Universal	APM-MB-IN-WS					
action	Universal	Derailleur	1.2	2100	Shimano	No Slick /Galvanized	100 wires	AM-UDS-IN-WS
					Campagnolo			AM-UDC-IN-WS
	Road	Brake	1.5	1700	Shimano			AM-RBS-IN-WS
					Campagnolo			AM-RBC-IN-WS
	MTB	MTB Universal	AM-MB-IN-WS					

OUTER CASING : WORK-SHOP BOX



RANGE	MARKET	USE	TYPE	OD (mm)	Quantity LENGTH (M)	ASHIMA No.
reaction	Road	Derailleur	SP	4.5	25	RM-RD-OC4-WS-XX
	MTB/Road	Brake/Derailleur		5		RM-UU-OC5-WS-XX
action+	MTB/Road	Brake	2P	5	50	APM-UB-OC5-WS-XX
	Road	Derailleur	SP	4.5		APM-RD-OC4-WS-XX
	MTB	Brake/Derailleur		5		APM-MU-OC5-WS-XX
action	MTB/Road	Brake	2P	5	50	AM-UB-OC5-WS-XX
	Road	Derailleur	SP	4.2		AM-RD-OC4-WS-XX
	MTB	Derailleur		5		AM-MD-OC5-WS-XX

Colour Code for ReAction Range **SI BK RD BU GD**
 Colour Code for Action+ & Action Range **WH BK RD BU YL**

OUTER CASING : ZIP BAG



RANGE	MARKET	USE	TYPE	OD (mm)	Quantity LENGTH (M)	ASHIMA No.
reaction	Road	Derailleur	SP	4.5	7.5	RM-RD-OC4-ZB-XX
	MTB/Road	Brake/Derailleur		5		RM-UU-OC5-ZB-XX
action+	MTB/Road	Brake	2P	5	7.5	APM-UB-OC5-ZB-XX
	Road	Derailleur	SP	4.5		APM-RD-OC4-ZB-XX
	MTB	Brake/Derailleur		5		APM-MU-OC5-ZB-XX
action	MTB/Road	Brake	2P	5	7.5	AM-UB-OC5-ZB-XX
	Road	Derailleur	SP	4.2		AM-RD-OC4-ZB-XX
	MTB	Derailleur		5		AM-MD-OC5-ZB-XX

Colour Code for ReAction Range **SI BK RD BU GD**
 Colour Code for Action+ & Action Range **WH BK RD BU YL**

OUTER CASING : KIT BOX



RANGE	MARKET	USE	OUTER CON.	OUT DIA (mm)	OUT. LENGTH (M)	WIRE DIA (mm)	WIRE LENGTH (mm)	END NIPPLE	Ferrule Plus+		Ferrule DCL.	Ferrule Basic	Donut	Cable tips	Rain Boot	Liner (mm)	ASHIMA No.	
									Nosed	Plain								
reaction	MTB	Brake	SP	5	2.5	1.5	1350 / 2350	Universal	2x	4x			3x	2x	2x	650	RM-MB-K1-KB-XX	
	Road							Shimano	2x	2x	2x		3x	2x	650	RM-RBS-K1-KB-XX		
		Campagnolo						2x	2x	2x		3x	2x	650	RM-RBC-K1-KB-XX			
	Universal	Derailleur		4.5	1.8	1.1	1500 / 2100	Shimano	6x	4x			6x	2x		2100	RM-UDS-K1-KB-XX	
								Campagnolo	6x	4x			6x	2x	2100	RM-UDC-K1-KB-XX		
	Action+	MTB		Brake	2P	5	2.5	1.5	1350 / 2350	Universal	2x	4x			3x	2x	2x	650
Road		Shimano	2x							2x	2x		3x	2x	650	APM-RBS-K1-KB-XX		
		Campagnolo	2x	2x						2x		3x	2x	650	APM-RBC-K1-KB-XX			
Universal		Derailleur	SP	4.5		1.8	1.1	1500 / 2100	Shimano	6x	4x			6x	2x		2100	APM-UDS-K1-KB-XX
									Campagnolo	6x	4x			6x	2x	2100	APM-UDC-K1-KB-XX	
Action		MTB	Brake	2P		5	2.5	1.5	1350 / 2350	Universal				6x	3x	2x	2x	650
	Road	Shimano										6x	3x	2x	650	AM-RBS-K1-KB-XX		
		Campagnolo									6x	3x	2x	650	AM-RBC-K1-KB-XX			
	Universal	Derailleur	SP		4.2	1.8	1.1	1500 / 2100	Shimano				8x	6x	2x		2100	AM-UDS-K1-KB-XX
									Campagnolo				8x	6x	2x	2100	AM-UDC-K1-KB-XX	

Colour Code for ReAction Range **SI BK RD BU GD**
 Colour Code for Action + & Action Range **WH BK RD BU YL**

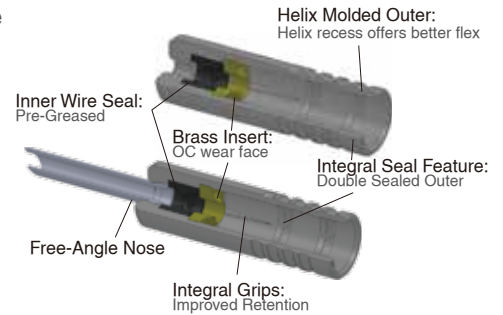
FERRULE TECHNOLOGY:



Plastic Ferrules

FerPlus+ ferrules incorporate many of the benefits and advantages offered by the FerFlex and FerStd Aluminum range but for the more economically sensitive user.

- Helix Molded outer profile allows sufficient flex to facilitate tighter cable routings
- Double Integral Seal design improves environmental protection
- Integral grips bite onto the outer for better retention
- Brass insert prevents damage to ferrule from the outer wire/strands
- Inner wire seal ensures environmental protection and cable efficiency throughout life
- Free-Angle Nose improves cable routing/efficiency, articulation and environmental protection








HOUSING FERRULES

RANGE	PICTURE	ASHIMA ITEM NO.	DESCRIPTION	QUANTITY	PACKAGING
Action+		APM-UB-FPPN-WB2	Brake Nosed	100 pieces / 200 pieces	Work Shop Bottle C
		APM-UB-FPP-WB1	Brake Plain		Work Shop Bottle A Work Shop Bottle B
		APM-UD-FPPN-WB1	Gear 4.5 (braided outer) Nosed		
		APM-UD-FPP-WB1	Gear 4.5 (braided outer) Plain		
		APM-UD-FPPSN-WB1	Gear 4.0(std outer) Nosed		
		APM-UD-FPPS-WB1	Gear 4.0 (std outer) Plain		
Action		AM-UB-FB-WB	Brake	200 pieces	
		AM-UD-FB-WB	Gear		
		AM-UB-FB-WB-XX	Brake	200 pieces	Work Shop Bottle A
		AM-UD-FB-WB-XX	Gear		
		AM-UB-FPN-WB1	Brake Nosed	200 pieces	Work Shop Bottle B
		AM-UB-FP-WB1	Brake Plain		
		AM-UD-FPN-WB1	Gear Nosed		
		AM-UD-FP-WB1	Gear Plain		

XX-Color Code: **BK** **BU** **RD** **GD** **SI** , Mix color is available for Action+ & Action



NOODLE RANGE

RANGE	PICTURE	ASHIMA ITEM NO.	DESCRIPTION	QUANTITY	PACKAGING
Action+		APM-MB-NSK1-HB-XX	Sealed Noodle (90°+110°)+2 Rain Boots	1 set	Header Bag Card
		APM-MB-NSK2-HB-XX	Sealed Noodle (90°+135°)+2 Rain Boots		
Action		AM-MB-NB1-PB	Noodle 90°	100 pieces	Poly Bag
		AM-MB-NB2-PB	Noodle 110°		
		AM-MB-NB3-PB	Noodle 135°		
		AM-MB-NSBFK1-HB	Super Basic Plastic Noodle Kit+SUS Ferrule (90°+135°)+2 Rain Boots	1 set	Header Bag Card
			AM-MB-NSBF1-PB	Super Basic Plastic Noodle+SUS Ferrule; 90°	100 pieces
	AM-MB-NSBF3-PB		Super Basic Plastic Noodle+SUS Ferrule; 135°		
	AM-MB-NBK1-HB	Noodle 90°+ Rain Boot 6 Link 5mm	1 set	Header Bag Card	
	AM-MB-NBK2-HB	Noodle 135°+ Rain Boot 6 Link 5mm			

CABLE TIE





Action		AM-UU-CT-HB	Cable Tie	4 pieces	Header Bag Card
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CABLE NIPPLE

Action		AM-UD-EN1-WB	Fits 1.2mm cables&Smaller	500 pieces	Work Shop Bottle A
		AM-UB-EN2-WB	Fits 1.5mm cables&Smaller		
		AM-UU-EN-WB-XX	Fits Derailleur & Brake Inner Cables, 1.8mmx11L	500 pieces	Work Shop Bottle A

XX = Color Code: **BK** **BU** **RD** **GD** **SI** , Mix color is available

CABLE DONUT

reaction		RM-UU-DK-HC-XX	High End Dount Kit: 4PCS Fits 1.1-1.2mm Derailleur cables+ 2PCS Fits 1.5-1.6mm Brake cables	6 pieces	Header Card
		RM-UD-D-WB-XX	High End Dount: Fits 1.1-1.2mm Derailleur cables	50 pieces	Work Shop Bottle A
		RM-UB-D-WB-XX	High End Dount: Fits 1.5-1.6mm Brake cables		
Action+		APM-UU-DKO-HB-XX	ID 4mm for Brake/ derailleur Cable housing	10 pieces	Header Card
		APM-UU-DKO-WB-XX		100 pieces	Work Shop Bottle A
		APM-UU-DKI-HB-XX	ID 1.0mm for Brake/ derailleur Inner Cable	10 pieces	Header Card
		APM-UU-DKI-WB-XX		100 pieces	Work Shop Bottle A
Action		AM-UD-D-WB-XX	Fits 1.1-1.2mm Derailleur cables Colour available: Black=BK, White=WH	600 pieces	Work Shop Bottle A
		AM-UB-D-WB-XX	Fits 1.5-1.6mm Brake cables Colour available: Black=BK, White=WH		

XX = Color Code for ReAction: **BK** **BU** **RD** **GD** **SI**

XX = Color Code for Action+: **BK** **WH** **RD** **BU** **YL** **GR** **OR** **PK** **TR**

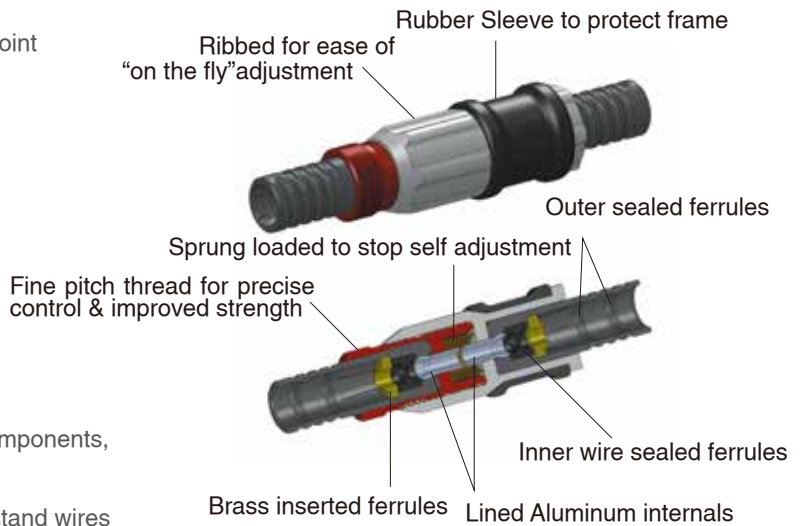
Mix color is available for Action+

GEAR-DOCTOR:



Features:

- Aluminum Cable Adjuster
 - Extended inner thread provides extra stiffness to joint
 - Rubber Sleeve to protect frame
 - Ribbed for improved grip
- Fine Pitch aluminum adjuster threads
 - Spring loaded to prevent self-adjustment
 - Improved thread strength
 - Improved sensitivity for precise control
- Fully sealed nosed ferrules
 - Inner wire sealed
 - Outer casing sealed
 - Lined, preventing inner-wire rubbing aluminum components, improving cable efficiency
 - Brass inserts prevent damage from outer casing stand wires

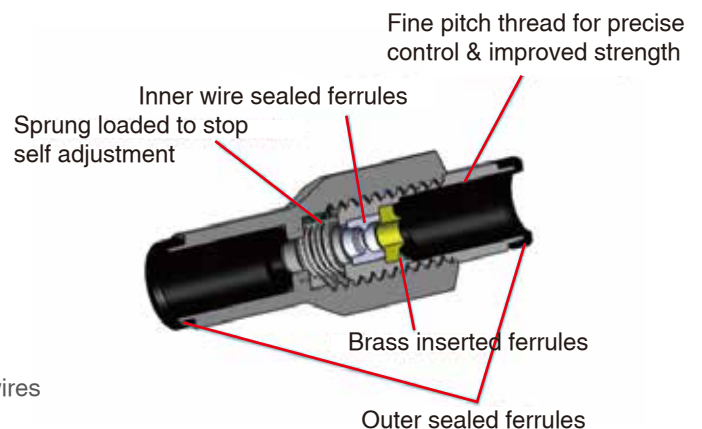


MINI GEAR-DOCTOR



Features:




- Aluminum Cable Adjuster
 - Extended inner thread provides extra stiffness to joint
 - Ribbed for improved grip
- Fine Pitch aluminum adjuster threads
 - Spring loaded to prevent self-adjustment
 - Improved thread strength
 - Improved sensitivity for precise control
 - Brass inserts prevent damage from outer casing stand wires




By removing the top and bottom sides of the rubber sleeve, it can be used in the brake cables.



RUBBER BOOT


RANGE	PICTURE	ASHIMA ITEM NO.	DESCRIPTION	QUANTITY	PACKAGING
action		AM-UB-BO1-WB2	Rubber Boot 6 Link 5MM	50 pieces	Work Shop Bottle C
		AM-UB-BO2-WB2	Rubber Boot 9 Link 5MM		
		AM-UB-BO3-WB2	Rubber Boot square 5MM		

CABLE ADJUSTER


RANGE	PICTURE	ASHIMA ITEM NO.	DESCRIPTION	QUANTITY	PACKAGING
reaction		RM-UU-FGD-HC-XX	Gear Adjuster for 4.5 Braided Outer	2 pieces	Insert Card
		RM-UU-FGD-WB2-XX		50 pieces	Work Shop Bottle C
		RM-UU-FGD1-HC-XX	Gear Adjuster for 4.0 Std Outer	2 pieces	Insert Card
		RM-UU-FGD1-WB2-XX		50 pieces	Work Shop Bottle C

XX = Color Code: **BK** **BU** **RD** **GD**

MINI GEAR DOCTOR

RANGE	PICTURE	ASHIMA ITEM NO.	DESCRIPTION	QUANTITY	PACKAGING
action		AM-UU-MGD-HC-BK	Universal cable adjuster, for brake and gear	2 pieces	Insert Card

FRAME PROTECTOR

RANGE	PICTURE	ASHIMA ITEM NO.	DESCRIPTION	QUANTITY	PACKAGING
action		AM-UD-FP-HB-XX	Frame Protection Tubes for Gear Cable Housing	8 pieces	Insert Card
		AM-UD-FP-WB1-XX		30 pieces	Work Shop Bottle B
		AM-UB-FP-HB-XX	Frame Protection Tubes for Brake Cable Housing	8 pieces	Insert Card
		AM-UB-FP-WB1-XX		30 pieces	Work Shop Bottle B

XX = Color Code: **BK** **WH** **OR**

Mix color is available for bottle package.

WORK SHOP BOTTLE: SIZE A,B,C



Size A

Size B

Size C

HYDRAULIC END FITTINGS

ASHIMA ASSEMBLY No	Photo	Name	Description	Shimano	Magura	Avid	Hayes	Formula	TekTro	SRAM
RT-SH-HEF-ST		Straight Connector Shimano	Compression Nut Bushing Insert	X	-	-	-	-	-	-
RT-SH90-HEF-ST		Straight Connector Shimano (BH90)	Compression Nut Bushing Insert	X	-	-	-	-	-	-
RT-SH90/1-HEF-ST		Straight Connector Shimano (BH90)	Compression Nut Bushing Insert	X	-	-	-	-	-	-
RT-U1-HEF-BJ		Banjo Connector	Banjo Bolt	X	-	-	-	X	-	-
RT-U2-HEF-BJ			Banjo Nut	-	X	X	-	-	-	-
RT-U3-HEF-BJ			2 washer Banjo Bushing	-	-	-	X	-	X	-
RT-U-HEF-ST		Straight Connector Avid / Magura	Compression Nut Bushing Insert	-	X	X	-	-	-	-
RT-U-HEF-SC		Straight Convertor	Convertor Housing Washer	-	X	X	-	-	-	-
RT-HS-HEF-SC			Compression Nut Bushing	-	-	-	X	-	-	-
RT-HS-HEF-ST		Straight Connector Hayes	Compression nut Bushing Insert	-	-	-	X	-	-	-
RT-FM-HEF-ST		Straight Connector Formula	Compression nut Bushing Insert	-	-	-	-	X	-	-
RT-TK-HEF-ST		Straight Connector TekTro	Compression nut Bushing Insert	-	-	-	-	-	X	-
RT-SR-HEF-ST		Straight Connector SRAM	Compression nut Bushing Insert	-	-	-	-	-	-	X

HYDRAULIC BLEEDING ACCESSORIES:

Connector of Bleeding Kit



















ASHIMA Item No.	Photo	Description
RT-BK-HS-LH-ST (M4-23)		Hayes (Lever End)
RT-BK-MG-LH-ST (M4-24)		Magura (Lever End)
RT-BK-U1-LC-ST (M4-25)		Shimano / Avid (Lever End)
RT-BK-U2-LC-ST (M4-26)		Tektro (Lever End)
RT-BK-U-LC-SC (M4-27)		Compatible with most kinds of Bleeding Connector
RT-BK-PCD-LC-ST (M4-64)		ASHIMA PCD (Caliper End)
RT-BK-SR-CH-SC (M4-86)		SRAM (Caliper End)
RT-BK-U3-LC-ST (M4-87)		Shimano / Hayes / Tektro (Caliper End)



Work Shop Bottle B: 20 Sets
Header Bag Card: 1 Set

HYDRAULIC END FITTINGS WORKSHOP BOX









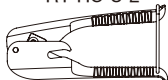






Hydraulic end fittings for Avid, Shimano, Magura, Formula, Hayes, TekTro

TekTro	Hayes	Formula	Magura	Shimano	Avid
M4-47  10PCS	M4-66  10PCS	M4-67  10PCS	M4-65  10PCS	M4-03  10PCS	M4-65  10PCS
M4-46  10PCS	M4-69  10PCS	M4-68  10PCS	M4-68  10PCS	M4-68  10PCS	M4-68  10PCS
M4-71  10PCS	M4-71  10PCS	M4-70  10PCS	M4-70  10PCS	M4-70  10PCS	M4-70  10PCS



RT-U-HEF-WS1









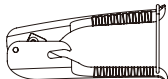





Hydraulic end fittings for ø5.0mm Hydraulic hose, applied to Avid, Shimano, Formula, Magura

5.0 mm Hydraulic Hose						
M4-74  20PCS	M4-54  50PCS	M4-68  50PCS	M4-49  20PCS	M4-72  20PCS	M4-15  20PCS	M4-07  20PCS
M4-65  20PCS	RT-HC-U-2 					M4-03  20PCS
M4-67  20PCS	M4-70  20PCS	F3-30  20PCS	F3-50  20PCS	P8-07  20PCS		



RT-U1-HEF-WS2

Hydraulic end fittings for ø5.4mm Hydraulic hose, applied to Hayes, TekTro







5.4 mm Hydraulic Hose						
M4-74  20PCS	M4-54  50PCS	M4-69  50PCS	M4-52  20PCS	M4-73  20PCS	M4-55  20PCS	M4-66  20PCS
M4-47  20PCS	RT-HC-U-2 					M4-46  20PCS
M4-71  20PCS	F3-30  20PCS	F3-50  20PCS	F8-07  20PCS			



RT-U2-HEF-WS2

BLEEDING KIT BOX

Bleeding Kit for Avid, Shimano, Magura & Hayes

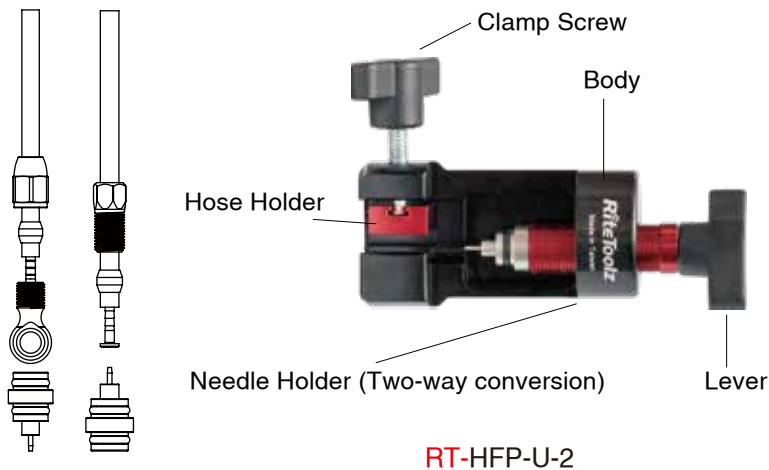
M4-33-1  2PCS	M4-35  1PCS	M4-23  1PCS (Hayes)
M4-24 / M4-26  1PCS (Magura)	M4-25  2PCS (Shimano/Avid)	M4-36  Hose Lock 2 PCS

Include



RT-BK-U-WS1

HYDRAULIC FITTINGS PRESS



HYDRAULIC HOSE CUTTER

Portable hydraulic hose-cutting tool for quick, secure and precise cut. This hose cutter is specially design for non-leakage in order to using safety. Also be operated with one hand making it easy to cut. Moreover, the replacement blade set allows you to open up the cutter for quick and easy insertion

- Lever design for labour-saving cut.
- Cutter is suitable for hydraulic hose below $\varnothing 5.5$ mm.
- Replacement blade set is available
- High-Quality Lightweight nylon handles, only 60.5 g.
- Wire latch holds handles together when not in use.



RT-HC-U-2

Remark:
 $\varnothing 5.0 \times \varnothing 2.1$: Avid, Sram, Magura
 $\varnothing 5.0 \times \varnothing 2.3$: Shimano, Formula
 $\varnothing 5.4 \times \varnothing 2.5$: Hayes, Tektro









RIDE TOOLS ORDER CODE

PICTURE	ITEM NO.	PRODUCT
	RT-MT-U-M1	Multi Micro Tool
	RT-MT-U-M2	Multi Macro Tool
	RT-SP-U-SW	Spoke Wrench
	RT-CR-U-1	Micro Chain Rivet Extractor Speed 8,9,10
	RT-CR-U-2	Micro Chain Rivet Extractor Speed 11,12
	RT-PP-U-1	Piston pad
	RT-PP-U-2	Piston pad
	RT-PP-U-3	Piston pad

WORKSHOP TOOLS ORDER CODE

PICTURE	ITEM NO.	PRODUCT	PICTURE	ITEM NO.	PRODUCT
	RT-SP-U-HEX	Hex Wrench		RT-TB-U-B1	BB20 Tooth
	RT-TW-U-TW	Torque Wrench		RT-TB-U-CC	BB Campy
	RT-TB-U-B2	BB External Center XL-AC03		RT-HC-U-2	Hydraulic Hose Cutter
	RT-HEP-U-2	Hydraulic Fittings Press		RT-HC-U-3.1	1 / 3 Piece Spare Blade for Hose Cutter
				RT-HC-U-3.3	

HYDRAULIC ACCESSORIES ORDER CODE

PICTURE	ITEM NO.	PRODUCT	ACCESSORIES
	RT-BK-PCD-M	PCD Mineral Oil Brake Fluid "Bleeding Kit"	M4-33-1 x2 M4-64 x2
	RT-BK-SH-M	Shimano bleeding kit	M4-33-1 x2 M4-25 x2 M4-87 x1
	RT-BK-SHR-M	Shimano road bleeding kit	M4-33-1 x2 M4-99 x1 M4-87 x1
	RT-BK-AV-M	Avid bleeding kit	M4-33-1 x2 M4-25 x2
	RT-BK-SR-M	SRAM bleeding kit	M4-33-1 x2 M4-25 x2 M4-86 x1
	RT-BK-MG-M	Magura bleeding kit	M4-33-1 x2 M4-24 x1 M4-26 x1
	RT-BK-HS-M	Hayes bleeding kit	M4-33-1 x2 M4-23 x1 M4-87 x1
	RT-BK-TK-M	TekTro bleeding kit	M4-33-1 x2 M4-26 x1 M4-87 x1



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