

BRAKE SYSTEM

BERINGER®

AN ADVANCED TECHNOLOGY BRAKE SYSTEM

# CATALOGUE 2009

Indice B du 02 juin 2009

[www.beringer.fr](http://www.beringer.fr)

## BRAKING SYSTEMS motorbikes and ATVs

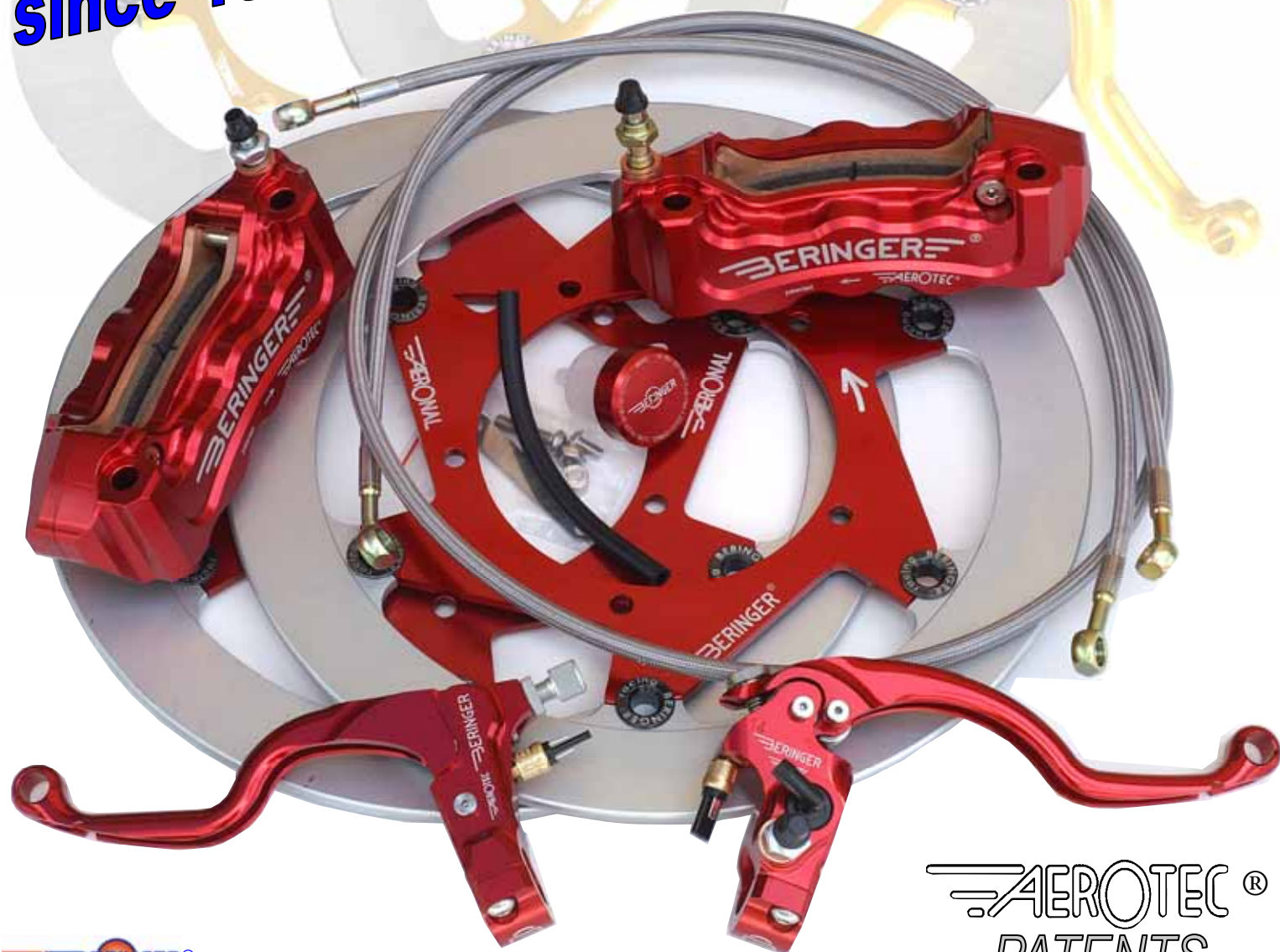
CERTIFIED



made in  
respect

**Quality  
and performance  
since 1985**

- BRAKE MASTER CYLINDER RADIAL AEROTEC®
- CLUTCH MASTER CYLINDER RADIAL AEROTEC®
- CALIPERS 2, 4 and 6 PISTONS machined from billet
- FLOATING cast iron & stainless steel DISCS
- SUPERMOTO & HYPERSPORT & TMAX KITS
- 4D AEROTEC® patented 4-disc braking system
- REAR MASTER CYLINDER
- PROPORTIONING VALVE
- SINTERED METAL PADS



AEROTEC®  
PATENTS



# An advanced technology: the COMPETITION



TEAM PHASE ONE



RMT 21



Team  
RAFFIN



Team  
MOTOBOX KREMER



TEAM BOLLIGER



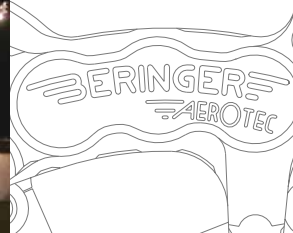
Darryl ATKINS USA

**ENDURANCE World  
Champion  
2000-2002-2003**



Chris Fillmore, Troy Herfoss and the KTM/HMC team

**Supermoto Champions: USA, France,  
Spain, Canada, Nederland, Brasil  
Rallye Champion: France**



Rallye:  
Thierry  
Canazzi  
FRA



Francesc  
Cucharrera  
ESP



Aurélien GRELIER FRA



Marcel Van Drunen NED



Stéphane BLOT FRA

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## Values



### BERINGER IS Made In Respect Certified



BERINGER is manufacturing 100% in France respecting:

- economical ethics
- the dignity of mankind in his work
- the environment

BERINGER products are eco-friendly designed

- No toxic substance during the manufacturing process
- Unlimited time life : worn components can be replaced
- 99% recyclable

# BERINGER® high performance braking parts

**RADIAL MASTER CYLINDERS AEROTEC®** for Hypersport, Scooters, Supermoto, Enduro, Cross, ATV. CNC machined from billet aluminium, they are very compact and very light. Using a three ball bearings system and covered by the AEROTEC® world-wide patents, they bring exceptional feeling. Repair kits are available for all of them allowing an eternal life time to BERINGER® parts.

## Brake MASTER CYLINDERS, built in reservoir

**BRO-10:** for one 4 piston caliper and 1 disc

**BRO-12:** for one 6 piston caliper and 1 disc

**BRO-14:** for sport bikes (2 calipers+2 discs)

## Brake MASTER CYLINDERS, remote reservoir

**BR-12:** for one 6 piston caliper and 1 disc

**BR-14:** for sport bikes (2 calipers+2 discs)

## Hydraulic clutch MASTER CYLINDERS, built in reservoir

**CRO-9, CRO-12, CRO-14,** including o'ring seal for clutch

## Hydraulic clutch MASTER CYLINDERS, remote reservoir

**CR-12, CR-14**

## Cable clutch

## ultra-light rear braking master cylinder

entirely mounted with ball ends (aeronautical quality)

4 types of levers, mirror holders and REPAIR KITS available for all the master cylinders

All the parts are available in 7 colors : Black, Blue, Gold, Silver, Purple, Titanium, Red

## CALIPERS 2, 4 and 6 pistons - axial, radial- AEROTEC®

BERINGER® calipers are available in several types to answer any kind of use. Machined from aeronautical aluminium billet on CNC they were developed from the knowledge acquired from different competitions in which Beringer® has been involved. Thanks to innovative patents and technical solutions, they present the advantage of reacting more quickly bringing an exceptional feeling to the braking

**DIRECT MOUNTING : NO BRACKET:** 4 and 6-piston BERINGER® calipers are designed to mount directly on the forks, without adapter plates.

Repair kits are available for all of them allowing an eternal life time to BERINGER® parts.

## AEROTEC® RADIAL 4 and 6 piston callipers

**4R11A /4R01A** - 4 piston callipers 108mm

**4R12A/4R02A** - 4 piston callipers 100mm

**6R11A/6R01A** - 6 piston callipers 130mm

Sintered metal pads

## AEROTEC® AXIAL 4 and 6 piston callipers

6 piston calliper available right and left for Hypersport and left for Supermoto

4 piston available right and left for Harley and Buell and left for Supermoto

direct mounting: no bracket - a part # for each use - see the tables of motorbikes per brand. Sintered metal pads

## AEROTEC® RADIAL ENDURANCE 4 piston calliper

**4R11AE /4R01AE** direct mounting on original and "racing" forks 108mm

staggered titanium pistons with magnets - disc guiding into the caliper when installing the wheel one piece racing 'endurance' pads available, 12mm thick

## BERINGER 2 piston ultra light calipers: 2D1

for racing or sport bikes - 84mm (italian bikes)

main use: replacing the rear calipers

front braking for race scooters

Sintered metal pads

## AEROTEC® RADIAL

### 2 piston calliper

for atv/quad

for Supermoto TWIN DISC

Available in several dimensions for different quads

Sintered metal pads

# BERINGER® high performance braking parts

**AERONAL DISCS:** for several years BERINGER® has been developing a range of very high performance floating brake discs. These discs combine all the important notions to ensure an efficient and constant braking in every circumstances.

**20% SAVING OF WEIGHT** due to narrow braking surfaces without holes. The hub is manufactured out of a highly performant aluminium alloy, used in the aeronautic industry.

**LESS CONSTRAINTS :** thanks to an exclusive offset system binding the hub and the braking surface which spreads the loads to the supporting areas, the constraint at this very place is divided by two, and the working life of the disc increases.

**IMPROVED MANOEUVRABILITY :** the gyroscopic inertia is appreciably reduced by the use of narrow braking surfaces and 6 floaters instead of 12, thereby improving the manoeuvrability of the bike.

Chose the rotor you want on your AERONAL disc:

- For sport and road use: **STAINLESS STEEL ROTOR**
- For competition: **CAST IRON ROTOR**

In both cases, the rotor is CNC machined with heat treatment

The inner hub is in aluminium

The discs are designed to mount directly on the wheel, without adapter plates.

The discs delivered in Supermoto and Hypersport kits have cast iron rotors).

from 163€



## HYPERSPORT KITS : complete kits for sport bikes

- 6 PISTON AEROTEC® or 4 PISTON RADIAL AEROTEC® CALIPER with pads
- AERONAL FULL FLOATING DISC cast iron rotor
- RADIAL AEROTEC® MASTER CYLINDER BR14-2 + RESERVOIR
- HYDRAULIC CLUTCH or CABLE LEVER (short lever)
- RACING BRAKE HOSE
- stop & clutch switches

here are some examples of kits. For other bikes, please ask us.

MOTORBIKE	Part n°	U. price without tax	clutch	Brake M. Cyl	calipers	discs
DUCATI 999 2005	STRDU1	2006,94	CR12	BR14	4R12A+4R02A	D1R-G+D1R-D
HONDA 1000 CBR RR 2006-07	STRHO1	2006,94	CR12	BR14	4R11A+4R01A	H14R-G+H14R-D
KAWASAKI ZX10R 1000 2004-07	STRKA1	1751,46	CC	BR14	4R11A+4R01A	K13L-G+K13L-D
SUZUKI GSXR 1000 2007	STRSU2	1839,26	CR14	BR14	4R11A+4R01A	S14L-G+S14L-D
TRIUMPH SPEED TRIPLE 05-07	STRTR1	1918,27	CC	BRO-14	4R11A+4R01A	T7R-G+T7R-D
YAMAHA R1 2007-09	STRYA1	1751,46	CC	BR14	6R11A+6R01A	Y12L-G+Y12L-D



from 1752€

## FINISH of the parts:

**RED ANODISE** is the standard color for disc hubs, callipers and master cylinders.

Other colors are available on special order at an additional cost of **13.17€** per batch of parts, with a 3-week lead time.

Add the following suffix to part # : Black, Blue, Gold, Silver, Purple, Titanium, Red



Krugger S&S 2008 winner





# BERINGER® high performance braking parts

## SUPERMOTO KITS : complete kits for SUPERMOTO

**KIT TOP RACE:** 6 PISTON AEROTEC® or 4 PISTON RADIAL AEROTEC® CALIPER with semi-racing pads  
**964€** AERONAL FULL FLOATING DISC, RADIAL MASTER CYLINDER AEROTEC® BR12+ reservoir or BRO-12, RACING HOSE, semi-racing AEROTEC® PADS

**KIT RACE:** 4 PISTON CALIPER, AERONAL FULL FLOATING DISC, semi-racing AEROTEC® PADS  
**508€**

**TWIN DISC:** 2 x 2 PISTON calipers AEROTEC®, two AERONAL floating discs, Master cylinder radial AEROTEC® BRO10, Racing hose, semi-racing AEROTEC® PADS.  
**1438€** CAUTION : this kit TWIN DISC requires 2 special fork bottoms and a specific wheel.



## BRAKING KIT for YAMAHA TMAX 1839€

- Improve the power of your brakes with BERINGER radial AEROTEC® master cylinder
- Reduce your braking distance with a pair of high performance aluminium CNC machined AEROTEC® calipers
- Improve the time life of your braking with the AERONAL floating discs: aluminium hub and stainless steel CNC machined rotor.



### FINISH of the parts: (for Harley, see page 19)

**RED ANODISE** is the standard color for disc hubs, callipers and master cylinders. Other colors are available on special order at an additional cost of **13.17€** per batch of parts. Add the following suffix to part # : **Black, BLue, Gold, Silver, Purple, Titanium, Red**

**WARNING:** - **Chrome plating** is available but with a lead time and an extra cost of **40.12€ per part (caliper, disc, CC)** or **52.50€ (master cylinder)**: this finish is strictly reserved for an occasional use. Under no circumstances, water or corrosive products (like removal of snow salt) must not stay on the chrome plating. This would cancel the warranty. In the same way, chips caused by fine gravel would invalidate the warranty as well.

- **polishing** is also available but with a lead time and an extra cost of **16.68€ per part**.



**BRAKING PARTS ARE HIGH SAFETY ELEMENTS; EACH PART IS DELIVERED WITH AN ASSEMBLY AND WARRANTY INSTRUCTION SHEET. EACH CUSTOMER AND USER YOU MUST READ THE SHEET COMPLETELY. Ask for it on [www.beringer.fr](http://www.beringer.fr)**

Beringer discs are offered in oem diameter except when specified.

Beringer calipers mount in the original location except when noted.

As the fluid inlet into BERINGER Callipers is located lower than stock, it is often necessary to install a longer brake line.

All Beringer calipers are loaded with BERINGER street-grade sintered pads (ABE approval).

Illustrations and photos are not contractual; Parts can be modified in the constant search for improvement.

## HOW TO CHOOSE A BERINGER® MASTER CYLINDER

- |   |   |
|---|---|
| BR14 and BRO-14 (piston diameter= 20,5) | ➔ for sport bikes (2 calipers and 2 discs)      |
| BR12 and BRO-12 (piston diameter= 17,5) | ➔ for bikes with 1x 6 piston caliper and 1 disc |
| BRO-10 (piston diameter= 14,5)          | ➔ for bikes with 1x 4 piston caliper and 1 disc |

### LEVER-4 and LEVER-5

for hydraulic clutch  
& brake master cylinder  
for road & sport bikes  
& quads with trigger

### LEVER-2 and LEVER-3

for hydraulic clutch  
& brake master cylinder  
for racing bikes  
& quads with twist grip throttle

### CABLE CLUTCH LEVERS:

LEVERCC-4, LEVERCC-3, LEVERCC-2 are available  
LEVERCC-5 does not exist. You have to take the LEVERCC-2

**MIRROR HOLDERS** fit all BERINGER® brake and clutch master cylinders. (B=Brake; C=Clutch) When you order them as a spare part use following part #  
**MHOLDB** (brake side)  
**MHOLDC** (clutch side)  
**MHOLDBH** (brake side, HARLEY)  
**MHOLDCH** (clutch side, HARLEY)  
 When you order them with the master cylinder, please add **OPT** before these part #.

levers -4 and -5 are dedicated to road and sport bikes (for big electrical switches)

BRO-12, BRO-14, BRO-10, CRO-9  
The letter **O** means with Built-in reservoir

Stop switch  
to order separately

**BR12, BR14, CR12, CR14**

mean to be mounted with a remote reservoir (to be ordered separately)

**WARNING:** a frequent use of the ABS system may damage BERINGER master cylinders.

A large range of brake and clutch master cylinders :  
**24 models available in 7 different colours : Black, Blue, Gold, Silver, Purple, Titanium, Red**

## EXAMPLES OF PART # FOR MASTER CYLINDERS ORDERS

- |                   |   |
|-------------------|---|
| <b>BRO-12-3 B</b> | ➔ means BRO-12 (built-in reservoir) with lever -3 <b>BLACK</b>              |
| <b>BR14-4 BL</b>  | ➔ means BR14 (reservoir to be ordered separately) with lever -4 <b>BLUE</b> |
| <b>CC-2 G</b>     | ➔ means CC (cable clutch) with lever -2 <b>GOLD</b>                         |

**MIRROR HOLDERS, STOP SWITCHES & REAR MASTER CYLINDERS** see page 21  
**SPARE PARTS** see page 22

SUPERMOTO KITS : MOTORBIKE		KIT TOP RACE Price without tax		KIT RACE Price without tax	
APRILIA	450 & 550 SXV (Ø320 OEM) not APRILIA CROSS type	TRAP1 * (diam 320 OEM)	963,96		
	450 & 550 SXV (Ø310) not APRILIA CROSS type	TRAP2 * (diam 310)	963,96		
BMW	G450 09	TRBMW1	963,96		
HONDA	250CR, 450CRF, 500CR 95-03	TRH01	963,96	RH01	508,32
	400XR, 600XR, 650XR, Enduro 06	TRH02	963,96	RH02	508,32
	250CR, 450CRF 04-08 , 500CR 2004-2005, HM CRE 250+450	THR03	963,96	RH03	508,32
	HM 450 CRM F	TRH04 *	963,96		
SUZUKI	125 RM, 250 RM, 400DR, DRZ, DRZ S (not SM)	TRSU1	963,96	RSU1	508,32
	450RMZ -08	TRSU2	963,96	RSU2	508,32
KAWASAKI	250KX + KXF -06	TRKA1	963,96	RKA1	508,32
	450KXF + 250KX + KXF 07-08	TRKA2	963,96	RKA2	508,32
YAMAHA	YZ85	TRYA2 (with 4P caliper)	963,96		
	YZ + WR, YZF + WRF : all types 1998-	TRYA1	963,96	RYA1	508,32
	250YZF 07 + 450YZF 07	TRYA3	963,96	RYA3	508,32
	250YZF 07 + 450YZF 08	TRYA4	963,96		
KTM	85SX	TRKT5 (with 4P caliper)	963,96		
	Enduro all types + SM -1999			RKT3	508,32
	Enduro all types 2000-08+ SM 1999-2003	TRKT1	963,96	RKT1	508,32
	Duke 2 & SM 04	TRKT2	963,96		
	SMR 2005-09	TRKT4 *	963,96		
	690 SM 07 + 690 SMR 08 + 690 Duke	TRKT6 *	963,96		
	690 SMC 08	TRKT7 *	963,96		
		TRHA2 *	963,96		
HUSQVARNA	Husqvarna with radial caliper (ask for the fitting distance)				
	Other types 2000- + 125CR/WR 08 + 610SM 08	TRHA1	963,96		
	250+450 TC -TE 08	TRHA3	963,96	RHA3	508,32
HUSABERG	Other types 04-SM 05	TRHG1	963,96	RHG1	508,32
		TRKT4 *	963,96		
BETA	Supermoto	TRBE1	963,96	RBE1	508,32
SHERCO	enduro	TRSH1	963,96		
	SM	TRSH2 *	963,96		
VERTEMATI	Other types	TRVE1	963,96	RVE1	508,32
VOR	Other types	TRVO1	963,96		
GAS GAS	Enduro	TRGG1	963,96	RGG1	508,32
CCM	Enduro	TRCC1	963,96	RCC1	508,32

\*: with AEROTEC® radial 4 piston caliper). When you order a top race kit, give us the dimension of the hoses. Other motorbikes, please ask us.

SUPERMOTO TWIN DISC	part n°	Unit price without tax
2 calipers 2 piston 2 discs diameter 230 <b>to be mounted with special fork bottoms and special wheel hub</b>	TRDD1	1438,13

**RED ANODISE** is the standard color for disc hubs, callipers and master cylinders.  
Other colors are available on special order at an additional cost of **13.17€** per batch of parts  
**Add the following suffix to part # : Black, BLue, Gold, Silver, Purple, Titanium, Red**

**MIRROR HOLDER, STOP SWITCHES** see page 21 **SPARE PARTS** page 22

**DIRECT MOUNTING : NO BRACKET:** 4 and 6-piston BERINGER® calipers are CNC machined from billet and are designed to mount directly on the forks, without adapter plates. Beringer AERONAL discs are direct replacements to the oem parts and can be installed with no modifications.



**KIT TOP RACE:** 6 piston AEROTEC® or 4 piston RADIAL AEROTEC® caliper with semi-racing pads  
AERONAL full floating disc, RADIAL master cylinder AEROTEC® BR12+ reservoir or BRO-12, racing hose, semi-racing AEROTEC® pads  
**KIT RACE:** 4 piston CALIPER, AERONAL full floating disc, semi-racing AEROTEC® pads

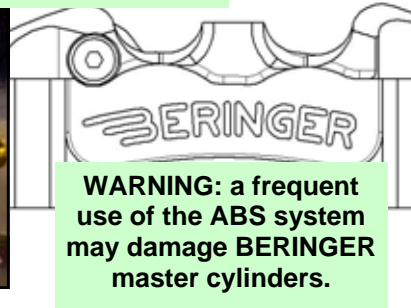
**The discs delivered in SUPERMOTO kits are CAST IRON DISCS**

PATENTED PADS for BERINGER® CALIPERS Use - part n° - prices (1 pair)		4P caliper	6P AEROTEC® caliper	4P radial AEROTEC® caliper
The letter <b>R</b> means <b>RACING</b> quality. Pads with this letter R in their part number are <b>ABSOLUTELY PROHIBITED ON THE ROAD. Their using is ONLY FOR COMPETITION.</b>				
ROAD/ COMPETITION	<ul style="list-style-type: none"> <li>• Sport riding on normal roads</li> <li>• Occasional competition only</li> <li>• Wet and slippery racing conditions</li> </ul>	2654S 31,61€	1100S 39,51€	1200S 39,51€
ROAD/ COMPETITION	Only for races ( <u>absolutely prohibited on the road</u> ) Very good initial bite, very good behaviour when hot.		1100R2 53,55€	1200R2 53,55€
	Only for races ( <u>absolutely prohibited on the road</u> ) Less initial bite, very good behaviour when hot, longer time life		1100R8 53,55€	1200R8 53,55€



HONDA MOTORBIKES	AEROTEC® clutch		AEROTEC® BRAKE master cylinder		AEROTEC® CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	Unit price	Part n°	Unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
125 RS	CC	245,82							H10R-D	354,68		H10R-DI	260,85
125 RS 04-05	CC	245,82	BR12	346,78		4R01A	426,67		H10R-D	354,68		H10R-DI	260,85
250 RS	CC	245,82	BR14	346,78				H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
400XR	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	XRA or 4XR		426,67 or 327,47	H16L-G		266,01	H16L-GI		163,04
250/500 CR -94 Ø310	CC	245,82	*1 BRO-10; *2 BRO-12	386,29									
250/500 CR 95-03 Ø310	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	XRA or 4XR		426,67 or 327,47	H8L-G		266,01	H8L-GI		163,04
250/500 CR 04- Ø310	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	H15 or 4H15		426,67 or 327,47	H8L-G		266,01	H8L-GI		163,04
250/450 CRF 05-08	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	H15 or 4H15		426,67 or 327,47	H8L-G		266,01	H8L-GI		163,04
250/450 HM CRE 08	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	H15 or 4H15		426,67 or 327,47	H8L-G		266,01	H8L-GI		163,04
400 FJS Silverwing 08	CRO-12	386,29	BRO-12	386,29									
450 HM CRM F08	CC	245,82	BRO-10	386,29	4R12A		426,67	H8L-G		266,01	H8L-GI		163,04
500 CB	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	H12A		426,67						
500 CBF 04-05	CC	245,82	*1 BRO-10; *2 BRO-12	386,29		H02A	426,67						
500 CBF S 06-08	CC	245,82	*1 BRO-10; *2 BRO-12	386,29		H02A	426,67		H2L-D	266,01		H2L-DI	163,04
500 CBS 06	CC	245,82	BRO-12	386,29					H2L-D	266,01		H2L-DI	163,04
600 Hornet -05	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H02A H12A + spacers		426,67	H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
600 Hornet 06	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67	H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
600 Hornet 07-09	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
600 CBF 04-05	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67						
600 CBF S 06	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67	H2L-G	H2L-D	266,01	H2L-GI	H2L-DI	163,04
600 CBF N+S 09	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	427,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
600 CBR 95-98	CC	245,82	BR14	346,78	H12A	H02A	426,67	H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
600 CBR -99	CC	245,82	BR14	346,78	H11A	H01A	426,67						
600 CBR RR 03-	CC	245,82	BR14	346,78	H11A	H01A	426,67	H18R-G	H18R-D	354,68	H18R-GI	H18R-DI	260,85
600 CBR RR 04-05	CC	245,82	BR14	346,78	H11A	H01A	426,67	H18R-G	H18R-D	354,68	H18R-GI	H18R-DI	260,85
600 CBR RR 06-09	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	H18R-G	H18R-D	354,68	H18R-GI	H18R-DI	260,85
600 CBR F-FS 01-02	CC	245,82	BR14	346,78	H11A	H01A	426,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
600 CBR F-FS 04-05	CC	245,82	BR14	346,78	H11A	H01A	426,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
600 CB S 06	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67	H2L-G	H2L-D	266,01	H2L-GI	H2L-DI	163,04
600 FJS Silverwing 08	CRO-12	386,29	BRO-12	386,29									
600XR 650XR Ø310	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	XRA or 4XR		426,67 or 327,47	H16L-G		266,01	H16L-GI		163,04
650 NTV Deauville	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67						
650 NTV Deauville 06	CC	245,82	BRO-14	386,29	H12A	H02A	426,67	H2L-G	H2L-D	266,01	H2L-GI	H2L-DI	163,04
650 NTV Revere	CC	245,82	BRO-12	386,29	H12A		426,67						
680 DN01 09	CRO-12	386,29	BRO-14	386,29	H12A	H02A	426,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
700 Deauville 09	CC	245,82	BRO-14	386,29	H12A	H02A	426,67	H2L-G	H2L-D	266,01	H2L-GI	H2L-DI	163,04
750 Seven Fifty	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67						
VT 750 Shadow 06-07	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	H12A		426,67	H2L-G		266,01	H2L-GI		163,04
VT 750C Shadow Spirit 08	CCH1	245,82	BROH-12	386,29									
MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER & ACCESSORIES see page 21 SPARE PARTS page 22			*1: OEM caliper *2: with AEROTEC® caliper		COMPLETE KIT FOR A BIKE: please ask us			H7L-D (D means right) H7L-G (G means left)					

HONDA MOTORBIKES	AEROTEC* clutch		AEROTEC* BRAKE master cylinder		AEROTEC* CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	Unit price	Part n°	Unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
750 VFC	CC	245,82	BRO-12	386,29	H12A		426,67						
750 VFR 89-93	CR12	346,78	*1 BR12; *2 BR14	346,78	H12A	H02A	426,67						
750 VFR 94-	CR12	346,78	*1 BR12; *2 BR14	346,78	H12A	H02A	426,67	H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
800 VFR -09	CR12	245,82	BR14	346,78				H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
900 CBR -93	CC	245,82	BR14	346,78	H11A	H01A	426,67						
900 CBR 94-97	CC	245,82	BR14	346,78	H11A	H01A	426,67	H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
900 CBR RR 98-99	CC	245,82	BR14	346,78	H11A	H01A	426,67						
900 CBR 00- (Ø330)	CC	245,82	BR14	346,78	H11A	H01A	426,67						
900 Hornet 02-	CC	245,82	BRO-14	386,29	H11A	H01A	426,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
900 Hornet 06-08	CC	245,82	BRO-14	386,29	H11A	H01A	426,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
1000 CBF 06-09	CRO-12	386,29	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67	H13R-G	H13R-D	354,68	H13R-GI	H13R-DI	260,85
1000 CBR 89-92	CR12	346,78	BR14	346,78	H12A	H02A	426,67						
CB1000 R 09	CRO-14	386,29	BRO-14	386,29	4R11A	4R01A	426,67	H18R-G	H18R-D	354,68	H18R-GI	H18R-DI	260,85
1000 CBR RR 04-05	CR14	346,78	BR14	346,78	4R11A	4R01A	426,67	H18R-G	H18R-D	354,68	H18R-GI	H18R-DI	260,85
1000 CBR RR 06-07	CR14	346,78	BR14	346,78	4R11A	4R01A	426,67	H14R-G	H14R-D	354,68	H14R-GI	H14R-DI	260,85
1000 CBR RR 08-09 Fireblade depending on the version	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	H14R-G with spacer	H14R-D with spacer	354,68	H14R-GI	H14R-DI	260,85
1100 VTShadow Ace 95					H12A		426,67						
1000 VTR	CR12	346,78	BR14	346,78	H11A	H01A	426,67	H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
1000 VTR F 04-05	CR12	346,78	BR14	346,78	H11A	H01A	426,67	H10R-G	H10R-D	354,68	H10R-GI	H10R-DI	260,85
1000 VTR SP1	CR12	346,78	BR14	346,78	H11A	H01A	426,67	H14R-G	H14R-D	354,68	H14R-GI	H14R-DI	260,85
1000 VTR SP2 04-05	CR12	346,78	BR14	346,78	H11A	H01A	426,67	H14R-G	H14R-D	354,68	H14R-GI	H14R-DI	260,85
1000 Varadero 99-09	CRO-12	386,29	BRO-14	386,29									
1100 ST Pan European	CRO-12	386,29	BRO-14	386,29									
1100 CBR XX -98	CR12	346,78	BR14	346,78				H3R-G	H3R-D	354,68	H3R-GI	H3R-DI	260,85
1100 CBRXX 99-	CR12	346,78	BR14	346,78				H7R-G	H7R-D	354,68	H7R-GI	H7R-DI	260,85
1100 CBRXX S 06-07	CR12	346,78	BR12	346,78				H7R-G	H7R-D	354,68	H7R-GI	H7R-DI	260,85
1300 CB 04-09	CRO-12	386,29	BRO-14	386,29	H11A	H01A	426,67	H18R-G	H18R-D	354,68	H18R-GI	H18R-DI	260,85
1300ST Pan European 09	CRO-12	386,29	BRO-14	386,29				H18R-G	H18R-D	354,68	H18R-GI	H18R-DI	260,85
1300 VTX	CC	245,82	BRO-12	386,29		H02A	426,67						
1500 F6C	CROH-12	386,29	BROH-14	386,29	H12A	H02A	426,67						
MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER & ACCESSORIES see page 21 SPARE PARTS page 22				* 1: OEM caliper * 2: with AEROTEC* caliper		COMPLETE KIT FOR A BIKE: please ask us			H7L-D (D means right) H7L-G (G means left)				





KAWASAKI	AEROTEC* clutch		AEROTEC* BRAKE master cylinder		AEROTEC* CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	unit price	Part n°	unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
250 KX + KXF 94-	CC	245,82	*1 BRO-10; 2* BRO-12	386,29	XRA or 4XR		426,67 or 327,47	K11L-G		266,01	K11L-GI		163,04
450 KXF -05	CC	245,82	*1 BRO-10; 2* BRO-12	386,29	XRA or 4XR		426,67 or 327,47	K11L-G		266,01	K11L-GI		163,04
450 KXF 06	CC	245,82	*1 BRO-10; 2* BRO-12	386,29	XRA or 4XR		426,67 or 327,47	K14L-G		266,01	K14L-GI		163,04
600 ER6 + ER6F -09	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	K13L-G	K13L-D	266,01	K13L-GI	K13L-DI	163,04
600 ZZR -07	CC	245,82	BR14	346,78	K11A	K01A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
600 ZX 6R -02	CC	245,82	BR14	346,78	S11A	S01A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
600 ZX 6R + RR 03-07	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	K12R-G	K12R-D	354,68	K12R-G	K12R-DI	260,85
600 ZX 6R 08-09	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	K13L-G	K13L-D	266,01	K13L-GI	K13L-DI	163,04
650 Versys 09	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	K13L-G	K13L-D	266,01	K13L-GI	K13L-DI	163,04
650 W -06	CC	245,82	BRO-12	386,29		S02A	426,67		K3R-D	354,68		K3R-DI	260,85
Z 750 04-07	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
Z 750 08-09	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	K13L-G	K13L-D	266,01	K13L-GI	K13L-DI	163,04
750 ZR-7 -04	CC	245,82	BR14	346,78	S12A	S02A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
750 ZXR	CC	245,82	BR14	346,78	K11A	K01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
750 ZXRR	CC	245,82	BR14	346,78	K11A	K01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
750 ZXR 93-	CC	245,82	BR14	346,78	K11A	K01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
750 ZX7 R + RR 96-	CC	245,82	BR14	346,78	S11A	S01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
750 Stinger					K11A	K01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
750 Zephyr								K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
800 VN	CC	245,82	BRO-12	386,29				K10L-G	K10L-D	266,01	K10L-GI	K10L-DI	163,04
900 VN	CC	245,82	BRO-12	386,29	S12A		426,67						
900 ZX9R Ninja -96	CC	245,82	BR14	346,78	K11A	K01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
900 ZX9R 96-97	CC	245,82	BR14	346,78	S11A	S01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
900 ZX9R 98-	CC	245,82	BR14	346,78	S11A	S01A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
900 ZX9R 2000-01	CC	245,82	BR14	346,78	S11A	S01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
900 ZX9R 2002	CC	245,82	BR14	346,78	H11A	H01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
1000 GTR 95-	CC	245,82	BRO-14	386,29	K11A	K01A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
1000 Z -06	CC	245,82	BRO-14	386,29	H11A	H01A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
1000 Z -09	CC	245,82	BRO-14	386,29	4R11A	4R01A	426,67	K13L-G	K13L-D	266,01	K13L-GI	K13L-DI	163,04
ZX10R 1000 03-	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
ZX10R 1000 04-07	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	K13L-G	K13L-D	266,01	K13L-GI	K13L-DI	163,04
ZX10R 1000 08-09	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	K15L-G	K15L-D	266,01	K15L-GI	K15L-DI	163,04
1100 ZZR -93	CR14	346,78	BR14	346,78	K11A	K01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
1100 ZZR 93-	CR14	346,78	BR14	346,78	K11A	K01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
1100+1200 ZRX 97-	CRO-14	386,29	BRO-14	386,29	S11A	S01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
1100 Zephyr					K11A	K01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
1200 ZZR 02-05	CR14	346,78	BR14	346,78	H01 H11 + spacers		426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
1200ZRX 04	CR14	346,78	BR14	346,78	H11A	H01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
1200ZRX 05-07	CR14	346,78	BR14	346,78	S11	S01A	426,67	K4R-G	K4R-D	354,68	K4R-GI	K4R-DI	260,85
ZX12 06	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	K3R-G	K3R-D	354,68	K3R-GI	K3R-DI	260,85
ZX12R -03	CC	245,82	BR14	346,78	S11A	S01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
ZX12R 04-05	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85
1400 ZZR (1400GTR) -09	CR14	346,78	BR14	346,78	4R11A	4R01A	426,67	K15L-G	K15L-D	266,01	K15L-GI	K15L-DI	163,04
1500VN 95-96								K10L-G	K10L-D	266,01	K10L-GI	K10L-DI	163,04
1600VN MS 06	CRO-14	386,29	BRO-14	386,29	4R11A	4R01A	426,67	K5R-G	K5R-D	354,68	K5R-GI	K5R-DI	260,85

MIRROR HOLDER, STOP SWITCH, REAR  
MASTER CYLINDER & ACCESSORIES see  
page 21 SPARE PARTS page 22

\* 1: OEM caliper  
\* 2: with AEROTEC\* caliper

COMPLETE KIT FOR A BIKE:  
please ask us

K5R-D (D= Rechts)  
K5R-G (G=Links)

K15L=310mm  
K13L=297mm

SUZUKI  MOTORBIKE	AEROTEC* clutch		AEROTEC* BRAKE master cylinder		AEROTEC* CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	unit price	Part n°	unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
125 250 RM 06	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	XRA or 4XR		426,67 or 327,47	S10L-G		266,01	S10L-GI		163,04
400 DR + 400 DRZ S	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	XRA or 4XR		426,67 or 327,47	S10L-G		266,01	S10L-GI		163,04
450 RMZ	CC	245,82	*1 BRO-10; *2 BRO-12	386,29	XRA or 4XR		426,67 or 327,47	S13L-G		266,01	S13L-GI		163,04
500 GSE -06	CC	245,82	BRO-12	386,29		S02A	426,67		S5R-D	354,68		S5R-DI	260,85
600 Bandit GSF	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S1R-G	S1R-D	354,68	S1R-GI	S1R-DI	260,85
600 GSX-F	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S1R-G	S1R-D	354,68	S1R-GI	S1R-DI	260,85
600 GSX-F 06	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S15L-G	S15L-D	266,01	S15L-GI	S15L-DI	163,04
600 DR Ø300	CC	245,82	*1 BRO-10; *2 BRO-12	386,29				S7L-G	S7L-D	266,01	S7L-GI	S7L-DI	163,04
600 GSR 09	CC	245,82	BRO-14	386,29	H11A	H01A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
600 GSXR 96-	CC	245,82	BR14	346,78	S11A	S01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
600 GSXR 01- 03	CC	245,82	BR14	346,78	H11A	H01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
600 GSXR 04-05	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	S12L-G	S12L-D	266,01	S12L-GI	S12L-DI	163,04
600 GSXR 06-07	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	S14L-G	S14L-D	266,01	S14L-GI	S14L-DI	163,04
600 GSXR 08-09	CC	245,82	BR14	346,78	4R11A	4R01A	427,67	S18L-G	S18L-D	266,01	S18L-GI	S18L-DI	163,04
650 Bandit -05	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S1R-G	S1R-D	354,68	S1R-GI	S1R-DI	260,85
650 Bandit 06	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S15L-G	S15L-D	266,01	S15L-GI	S15L-DI	163,04
650 Bandit 07	CC	245,82	BRO-14	386,29	H11A	H01A	426,67	S16L-G	S16L-D	266,01	S16L-GI	S16L-DI	163,04
650 Bandit 08-09	CRO-14	386,29	BRO-14	386,29	H11A	H01A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
650 Gladius 09	CC	245,82	BR14	346,78	S12A	S02A	425,67	S16L-G	S16L-D	266,01	S16L-GI	S16L-DI	163,04
650 SV -02	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S1R-G	S1R-D	354,68	S1R-GI	S1R-DI	260,85
650 SV 03-09	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S15L-G	S15L-D	266,01	S15L-GI	S15L-DI	163,04
650 XF Freewind	CC	245,82	BRO-12	386,29				S7L-G	S7L-D	266,01	S7L-GI	S7L-DI	163,04
650 VSTROM 08-09	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
750 GSX	CC	245,82	BRO-14	386,29	S12A	S02A	426,67						
750 GSX-F-05	CC	245,82	BRO-14	386,29	S12A	S02A	426,67	S1R-G	S1R-D	354,68	S1R-GI	S1R-DI	260,85
750 GSX-F 06	CC	245,82	BRO-14	386,29	S12A	S12A	426,67	S15L-G	S15L-D	266,01	S15L-GI	S15L-DI	163,04
650 GSX-F 08-09	CRO-14	386,29	BRO-14	386,29	H11A	H01A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
750 GSXR 89-	CC	245,82	BR14	346,78	S11A	S11A	426,67	S6R-G	S6R-D	354,68	S6R-GI	S6R-DI	260,85
750 GSXR 96-	CC	245,82	BR14	346,78	S11A	S01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
750 GSXR 2000- 03	CC	245,82	BR14	346,78	H11A	H01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
750 GSXR 04-05	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	S12L-G	S12L-D	266,01	S12L-GI	S12L-DI	163,04
750 GSXR 06-09	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	S14L-G	S14L-D	266,01	S14L-GI	S14L-DI	163,04
750 GSXR 08-09	CC	245,82	BR14	346,78	4R11A	4R01A	427,67	S18L-G	S18L-D	266,01	S18L-GI	S18L-DI	163,04
800 DR 90-	CC	245,82	BRO-12	386,29				S7L-G	S7L-D	266,01	S7L-GI	S7L-DI	163,04
800 Intruder	CC	245,82	BRO-12	386,29				S8L-G	S8L-D	266,01	S8L-GI	S8L-DI	163,04
800 C und M Intruder 06	CC	245,82	BRO-12	386,29		S02A	426,67						
800 VZ Marauder	CC	245,82	BRO-12	386,29		S02A	426,67						
MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER & ACCESSORIES see page 21 SPARE PARTS page 22				* 1: OEM caliper * 2: with AEROTEC* caliper			COMPLETE KIT FOR A BIKE: please ask us				S17L-D (D means right) S17L-G (G means left)		



SUZUKI	AEROTEC® clutch		AEROTEC® BRAKE master cylinder		AEROTEC® CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	unit price	Part n°	unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
1000 GSXR 01- 02	CC	245,82	BR14	346,78	H11A	H01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
1000 GSXR 03-04	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	S12L-G	S12L-D	266,01	S12L-GI	S12L-DI	163,04
1000 GSXR 05-06	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	S14L-G	S14L-D	266,01	S14L-GI	S14L-DI	163,04
1000 GSXR 07	CR14	346,78	BR14	346,78	4R11A	4R01A	426,67	S14L-G	S14L-D	266,01	S14L-GI	S14L-DI	163,04
1000 GSXR 08	CR12	346,78	BR14	346,78	4R11A	4R01A	426,67	S18L-G	S18L-D	266,01	S18L-GI	S18L-DI	163,04
1000 GSXR 09	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	S18L-G	S18L-D	266,01	S18L-GI	S18L-DI	163,04
1000 SV -06	CC	245,82	BR14	346,78	H11A	H01A	426,67	S11L-G	S11L-D	266,01	S11L-GI	S11L-DI	163,04
650 + 1000 V Strom -06	CRO-14	386,29	BRO-14	386,29	S12A	S02A	426,67	S11L-G	S11L-D	266,01	S11L-GI	S11L-DI	163,04
650 V Strom 07	CRO-14	386,29	BRO-14	386,29	S12A	S02A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
1000TL S-R	CC	245,82	BRO-14	386,29	S11A	S01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
GS 1100G	CRO-14	386,29	BRO-14	386,29	K11A	K01A	426,67						
1100 GSXKatana	CRO-14	386,29	BRO-14	386,29	S11A	S01A	426,67						
1100 GSXR 90-	CRO-14	386,29	BRO-14	386,29	S11A	S01A	426,67	S6R-G	S6R-D	354,68	S6R-GI	S6R-DI	260,85
1200 Bandit -05	CRO-14	386,29	BRO-14	386,29	S11A	S01A	426,67	S5R-G	S5R-D	354,68	S5R-GI	S5R-DI	260,85
1200 Bandit 06	CRO-14	386,29	BRO-14	386,29	H11A	H01A	426,67						
1250 Bandit 07-09	CRO-14	386,29	BRO-14	386,29	H11A	H01A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
1300 GSXR 99-	CR14	346,78	BR14	346,78	S11A	S01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
1300 Hayabusa -06	CR14	346,78	BR14	346,78	S11A	S01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
1340 Hayabusa 08-09	CR14	346,78	BR14	346,78	4R11A	4R01A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
1340 B. King 08-09	CRO-12	386,29	BRO-14	386,29	4R11A	4R01A	426,67	S17L-G	S17L-D	266,01	S17L-GI	S17L-DI	163,04
1400 GSR 06	CC	245,82	BRO-14	386,29	H11A	H01A	426,67						
1400 GSX 03-04	CC	245,82	BRO-14	386,29	S11A	S01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
1400 GSX 05-06	CRO-14	386,29	BRO-14	386,29	H11A	H01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
1400 GSXR 01-	CR14	346,78	BR14	346,78	H11A	H01A	426,67	S9L-G	S9L-D	266,01	S9L-GI	S9L-DI	163,04
1400 Intruder	CRO-14	386,29	BRO-14	386,29				S8L-G	S8L-D	266,01	S8L-GI	S8L-DI	163,04
C1500 Intruder 06 +C1800R 08	CRO-14	386,29	BRO-14	386,29	S12A	S02A	426,67						
1800 MR Intruder 06	CC	245,82	BRO-14	386,29	4R11A	4R01A	426,67						
1800 MR Intruder 08 + MR2 09	CCH1	245,82	BROH-14	386,29	4R11A	4R01A	426,67	S14L-G	S14L-D	266,01	S14L-GI	S14L-DI	163,04
<b>MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER &amp; ACCESSORIES</b> see page 21 <b>SPARE</b>			*1: OEM caliper *2: with AEROTEC® caliper			S17L-D (D means right) S17L-G (G means left)							



**COMPLETE KIT  
FOR A BIKE: please ask us**

**WARNING: a frequent use of the ABS system may damage BERINGER master cylinders.**



TRIUMPH	AEROTEC® clutch		AEROTEC® BRAKE master cylinder		AEROTEC® CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	unit price	Part n°	unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
AMERICA + BONNEVILLE T100 -09	*4 CCH1	245,82	*4 BROH-12	386,29	H12A		426,67	T5L-G		266,01	T5L-GI		163,04
NEW BONNEVILLE & SE -09 with mag wheels	CC	245,82	BRO-12	386,29	H12A		426,67	T10L-G		266,01	T10L-GI		163,04
DAYTONA 650 04-05	CC	245,82	BR14	346,78	S11A	S01A	426,67						
DAYTONA 955 -02	CC	245,82	BR14	346,78	Y13A	Y03A	426,67	T4R-G	T4R-D	354,68	T4R-GI	T4R-DI	260,85
DAYTONA 955 02-06	CC	245,82	BR14	346,78	Y13A	Y03A	426,67	T8R-G	T8R-D	354,68	T8R-GI	T8R-DI	260,85
DAYTONA TRIPLE 06	CC	245,82	BRO-14	386,29	4R11A with spacers	4R01A with spacers	426,67	T7R-G	T7R-D	354,68	T7R-GI	T7R-DI	260,85
DAYTONA 675 07-09 + STREET TRIPLE 675 FR -09	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	T6R-G	T6R-D	354,68	T6R-GI	T6R-DI	260,85
SCRAMBLER 06-09	*4 CCH1	245,82	*4 BRO-12	386,29	H12A		426,67	T5L-G		266,01	T5L-GI		163,04
SPEED MASTER -06	CC	245,82	BRO-14	386,29	H12A	H02A	426,67	T5L-G	T5L-D	266,01	T5L-GI	T5L-DI	163,04
SPEED TRIPLE 02-04	CC	245,82	BRO-14	386,29	Y13A	Y03A	426,67	T8R-G	T8R-D	354,68	T8R-GI	T8R-DI	260,85
SPEED TRIPLE 05-07	CC	245,82	BRO-14	386,29	4R11A	4R01A	426,67	T7R-G	T7R-D	354,68	T7R-GI	T7R-DI	260,85
STREET TRIPLE 675F 08-09	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67	T6R-G	T6R-D	354,68	T6R-GI	T6R-DI	260,85
SPEED TRIPLE 1050 08-09	CC	245,82	BR14	346,78	4R12A	4R02A	426,67	T9L-G	T9L-D	266,01	T9L-GI	T9L-DI	163,04
SPEED FOUR	CC	245,82	BRO-14	386,29	Y13A	Y03A	426,67	T6R-G	T6R-D	354,68	T6R-GI	T6R-DI	260,85
SPRINT ST and RS	CC	245,82	BR14	346,78	S11A	S01A	426,67	T4R-G	T4R-D	354,68	T4R-GI	T4R-DI	260,85
SPRINT ST 04-09	CC	245,82	BR14	346,78	S11A	S01A	426,67	T8R-G	T8R-D	354,68	T8R-GI	T8R-DI	260,85
ROCKET III 04-09	*4 CCH1	245,82	*4 BROH-14	386,29	Y13A	Y03A	426,67	T8R-G	T8R-D	354,68	T8R-GI	T8R-DI	260,85
THUNDER BIRD	CC	245,82	BRO-12	386,29	H12A		426,67	T3L-G		354,68	T3L-GI		260,85
T. BIRD SPORT	CC	245,82	BRO-14	386,29	H12A	H02A	426,67	T5L-G	T5L-D	266,01	T5L-GI	T5L-DI	163,04
TIGER 06	CC	245,82	*1 BRO-12; *2 BRO-14	386,29	H12A	H02A	426,67						
TIGER 955 i (injection)	CC	245,82	BR14	346,78	H12A	H02A	426,67	T5L-G	T5L-D	266,01	T5L-GI	T5L-DI	163,04
TIGER 1050 08-09	CC	245,82	BRO-14	386,29	4R11A	4R01A	426,67	T7R-G	T7R-D	354,68	T7R-GI	T7R-DI	260,85
TROPHY 1200			BRO-14	386,29	S11A	S01A	426,67						
TT600	CC	245,82	BR14	346,78	Y13A	Y03A	426,67	T6R-G	T6R-D	354,68	T6R-GI	T6R-DI	260,85
THRUXTON 900 04-08	CC	245,82	BR12	346,78	H12A		426,67	T3L-G		354,68	T3L-GI		260,85
THRUXTON 900 -09	*4 CCH1	245,82	*4 BROH-12	386,29	H12A		426,67	T3L-G		354,68	T3L-GI		260,85

**COMPLETE KIT FOR A BIKE:**  
please ask us

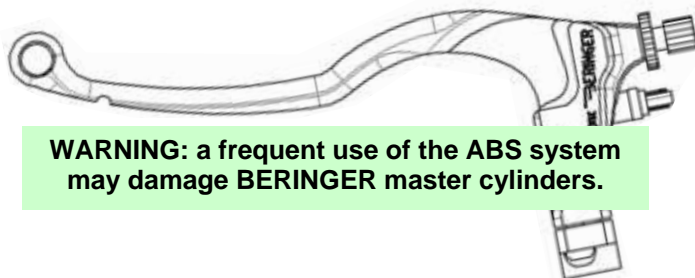
\*1: OEM caliper

\*2: with AEROTEC® caliper

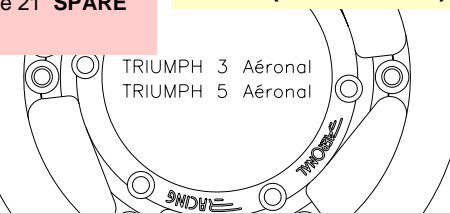
\*4: electric switch needs to be replaced

MIRROR HOLDER, STOP SWITCH,  
REAR MASTER CYLINDER & ACCESSORIES see page 21 SPARE PARTS page 22

T5R-D (D means right)  
T5R-G (G means left)



**WARNING: a frequent use of the ABS system may damage BERINGER master cylinders.**



RED ANODISE is the standard color for disc hubs, callipers and master cylinders.  
Other colors are available on special order at an additional cost of **13.17€** per batch of parts  
Add the following suffix to part # : Black, BLue, Gold, Silver, Purple, Titanium, Red



YAMAHA	AEROTEC* clutch		AEROTEC* BRAKE master cylinder		AEROTEC* CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	Unit price	Part n°	Unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
85 YZ 2006	CC	245,82	BRO-10	386,29	4H15+ bracket Y018		508,32	Y14L-G		266,01	Y14L-GI		163,04
250 Majesty						4Y02	327,47						
250 Grand Majesty					Y11A		426,67						
250 TDR	CC	245,82	BRO-12	386,29	Y11A		426,67	Y7L-G		266,01	Y7L-GI		163,04
250 TZR	CC	245,82	BRO-12	386,29	Y11A		426,67	Y7L-G		266,01	Y7L-GI		163,04
250 WRF + YZ Ø310 -09	CC	245,82	1* BRO-10; 2* BRO-12	386,29	XRA		426,67	H6L-G		266,01	H6L-GI		163,04
250+450 YZF 07-09 Ø320	CC	245,82	1* BRO-10; 2* BRO-12	386,29	H15A		426,67	S10L-G		266,01	S10L-GI		163,04
400 Grand Majesty	CRO-12	386,29	BRO-14	386,29	Y13A	Y03A	426,67						
400WRF Ø310	CC	245,82	1* BRO-10; 2* BRO-12	386,29	XRA		426,67	H6L-G		266,01	H6L-GI		163,04
426 YZ Ø310	CC	245,82	1* BRO-10; 2* BRO-12	386,29	XRA		426,67	H6L-G		266,01	H6L-GI		163,04
450 YZF ET 450 WRF	CC	245,82	1* BRO-10; 2* BRO-12	386,29	XRA		426,67	H6L-G		266,01	H6L-GI		163,04
500 TMAX one caliper 2001-03	CRO-12	386,29	BRO-12	386,29	Y11A		426,67				Y17L-GI		163,04
500 TMAX two calipers 2004-07	CRO-12	386,29	BRO-14	386,29	Y13A	Y03A	426,67				Y17L-GI	Y17L-DI	163,04
500 TMAX two calipers 2008-09	CRO-12	386,29	BRO-14	386,29	Y11A	Y01A	426,67				Y17L-GI	Y17L-DI	163,04
For 500TMAX rear disc is also available											Y17LAR-GI		163,04
535 XV Virago	CC	245,82	BRO-12	386,29		Y01A	426,67		Y8L-D	266,01		Y8L-DI	163,04
600 R6 99- 02	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
600 R6 03-04	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y10L-G	Y10L-D	266,01	Y10L-GI	Y10L-DI	163,04
600 R6 05-07 + 09	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	Y12L-G	Y12L-D	266,01	Y12L-GI	Y12L-DI	163,04
600 R6 08	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	Y10L-G	Y10L-D	266,01	Y10L-GI	Y10L-DI	163,04
600 Diversion 98-	CC	245,82	BRO-14	386,29				Y8L-G		266,01	Y8L-GI		163,04
600 XT(E) Ø310 : bracket+ disc for OEM caliper	CC	245,82	BRO-12	386,29				Y4L-G+Y006 years 90-94		426,67	Y4L-GI+Y006 years 90-94		323,7
								Y4L-G+Y005 years 95-03			Y4L-GI+Y005 years 95-03		
600 XJ	CC	245,82	BRO-14	386,29	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
600 XJ6 Diversion 09	CC	245,82	BRO-14	386,29	Y13A	Y03A	426,67	Y10L-G	Y10L-D	266,01	Y10L-GI	Y10L-DI	163,04
600 FZ6 -05 FZ6 Fazer -09	CC	245,82	BRO-14	386,29	Y13A	Y03A	426,67	Y10L-G	Y10L-D	266,01	Y10L-GI	Y10L-DI	163,04
600 FZ6 06	CC	245,82	BRO-14	386,29	Y11A	Y01A	426,67	Y10L-G	Y10L-D	266,01	Y10L-GI	Y10L-DI	163,04
600 FZR	CC	245,82	BR14	346,78	Y11A	Y01A	426,67						
600 FZX Fazer 98-	CC	245,82	BRO-14	386,29	Y11A	Y01A	426,67						
600 YZF	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
650 XVS Drag Star	CC	245,82	BRO-14	386,29				Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
660 SZR	CC	245,82	BR12	346,78		D01	421,4		Y7L-D	266,01		Y7L-DI	163,04
660 XTX 04-09	CC	245,82	BRO-12	386,29	D12 ← with screws M10-30x1.5 or M10-35x1.5		426,67						
660 XTR 04-09	CC	245,82	BRO-12	386,29	S12A ← with spacers 10x20x4 + M10-40x1.25		426,67	Y8L-G		266,01	Y8L-GI		163,04
750 FZR	CC	245,82	BR14	346,78	Y11A	Y11A	426,67						
750 FZR OW01	CC	245,82	BR14	346,78	S11A	S11A	426,67						
750 YZF	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
750 YZF R7 OW 02	CC	245,82	BR14	346,78	S11A	S01A	426,67						
850 TDM	CC	245,82	BRO-14	386,29	Y11A	Y01A	426,67						
850 TRX	CC	245,82	BR14	346,78	Y11A	Y01A	426,67						
900 TDM 02-09	CC	245,82	BRO-14	386,29	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04

MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER & ACCESSORIES see page 21 SPARE PARTS page 22

\*1: OEM caliper  
\*2: with AEROTEC\* caliper

COMPLETE KIT FOR A BIKE:  
please ask us

Y7L-D (D= right)  
Y7L-G (G=left)

YAMAHA	AEROTEC® clutch		AEROTEC® BRAKE master cylinder		AEROTEC® CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	Unit price	Part n°	Unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
1000 FZ1 Fazer 06-09	CC	245,82	BRO-14	386,29	Y11A	Y01A	426,67	Y11L-G	Y11L-D	266,01	Y11L-GI	Y11L-DI	163,04
1000 FZR	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
1000 FZS Fazer	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
1000 YZF -96	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
1000 YZF R1 97-03	CC	245,82	BR14	346,78	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
1000 YZF R1 04-06	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	Y11L-G	Y11L-D	266,01	Y11L-GI	Y11L-DI	163,04
1000YZF R1 07-09	CC	245,82	BR14	346,78	6R11A	6R01A	426,67	Y12L-G	Y12L-D	266,01	Y12L-GI	Y12L-DI	163,04
1000 YZF R1 SP 06	CC	245,82	BR14	346,78	4R11A	4R01A	426,67	Y15L-G	Y15L-D	266,01	Y15L-GI	Y15L-DI	163,04
1100 BT Bulldog -06	CC	245,82	BRO-14	386,29	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
1100 XVS Drag Star			BRO-14	386,29	Y13A	Y03A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
V MAX -92	CRO-14	386,29	BRO-14	386,29	Y13A	Y03A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
V MAX 93 -	CRO-14	386,29	BRO-14	386,29	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
1200 XJR	CRO-14	386,29	BRO-14	386,29	Y11A	Y01A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
1200FJ 88-	CRO-14	386,29	BRO-14	386,29	Y11A	Y01A	426,67						
1300 FJR 03-06	CRO-14	386,29	BRO-14	386,29	Y11A	Y01A	426,67						
1300 XJR-09 + FJR 06-07	CRO-14	386,29	BRO-14	386,29	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
1300 FJR 08-09	CRO-14	386,29	BRO-14	386,29	Y11A	Y01A	426,67	Y13L-G	Y13L-D	266,01	Y13L-GI	Y13L-DI	163,04
1300 XVZ Royal Star	CRO-14	386,29	BRO-14	386,29	Y11A	Y01A	426,67	Y8L-G	Y8L-D	266,01	Y8L-GI	Y8L-DI	163,04
1680 VMAX 09	CRO-14	385,29	BRO-14	385,29	6R11A	6R01A	426,67	Y11L-G	Y11L-D	266,01	Y11L-GI	Y11L-DI	163,04
MT 01 -06	CRO-14	386,29	BRO-14	386,29	4R11A	4R01A	426,67	Y13L-G	Y13L-D	266,01	Y13L-GI	Y13L-DI	163,04
MT01 07-09	CRO-14	386,29	BRO-14	386,29	6R11A	6R01A	426,67	Y13L-G	Y13L-D	266,01	Y13L-GI	Y13L-DI	163,04
MT 03	CC	245,82	BRO-14	386,29	Y13A	Y03A	426,67	Y10L-G	Y10L-D	266,01	Y10L-GI	Y10L-DI	163,04
MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER & ACCESSORIES see page 21 SPARE PARTS page 22			*1: OEM caliper *2: with AEROTEC® caliper		COMPLETE KIT FOR A BIKE: please ask us				Y7L-D (D= right) Y7L-G (G=left)				

**WARNING: a frequent use of the ABS system may damage BERINGER master cylinders.**

## BRAKING KIT for YAMAHA TMAX

Type of TMAX	designation	Part n°	Retail price
500 TMAX 1 caliper 2001-2003	Brake Master cylinders right+left <b>BRO12+CRO12</b> built-in reservoir caliper 6 pistons AEROTEC® with pads <b>Y11A</b> Disc AERONAL floating STAINLESS STEEL <b>Y17L-G</b> and <b>HOSE</b>	<b>RTMAX1</b>	1251.68
500 TMAX 2 calipers 2004-2007	Brake Master cylinders right+left <b>BRO14+CRO12</b> built-in reservoir calipers 6 pistons AEROTEC® with pads <b>Y13A+Y03A</b> Discs AERONAL floating STAINLESS STEEL <b>Y17L-G+Y17L-D</b> and <b>HOSE</b>	<b>RTMAX2</b>	1838.63
500 TMAX 2 calipers 2008-2009	Brake Master cylinders right+left <b>BRO14+CRO12</b> built-in reservoir calipers 6 pistons AEROTEC® with pads <b>Y11A+Y01A</b> Discs AERONAL floating STAINLESS STEEL <b>Y17L-G+Y17L-D</b> and <b>HOSE</b>	<b>RTMAX3</b>	1838.63





EUROPEAN MOTORBIKES	AEROTEC* clutch		AEROTEC* BRAKE master cylinder		AEROTEC* CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	Unit price	Part n°	Unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
								left	right	unit price	left	right	unit price
<b>APRILIA all types with calliper centre distances=65mm and 320mm disc can be equipped with the 4D AEROTEC system</b>													
450 + 550 SXV 06 Ø320 OEM	CC	245,82	BRO-10	386,29	4R11A		426,67	APR1L-G		266,01	APR1L-GI		163,04
450 + 550 SXV 06 Ø310	CC	245,82	BRO-10	386,29	4R11A		426,67	APR2L-G		266,01	APR2L-GI		163,04
1000 FALCO SL	CR12	346,78	BR14	346,78	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
1000 RSV R	CR12	346,78	BR14	346,78	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
1000 Tuono	CRO-12	386,29	BRO-14	386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
1000 RSV Factory, R 04-09	CR 12	346,78	BR14	346,78	4R12A	4R02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
1000 TuonoR 04-09	CRO-12	386,29	BRO-14	386,29									
<b>BENELLI TNT 1130</b>			BRO-14	386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
Tornado 04-09	CC	245,82	BR14	346,78	4R12A	4R02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
TNT 1130 (Sport Evo, Titanium, Café Racer 08	CC	245,82	BRO-14	386,29	4R12A	4R02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
Trek 1130 08	CC	245,82	BRO-14	386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
<b>BIMOTA -97</b>			BR14	346,78				Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
<b>BIMOTA 97-</b>			BR14	346,78	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
<b>BMW ANTINOISE REPLACING KIT for BMW ORIGINAL NUTS (floating discs) (12 floaters/12 washers/12 snap rings) low friction steel for long life</b>													40.12
G650 09	CC	245,82	BRO12	386,29	KT13A		426,67	APR2L-G		266,01	APR2L-GI		163,04
G 650 X Moto + Challenge + Country	CC	245,82	BRO12	386,29									
R + K Ø285 front	CRO-12* or CR12*	386,29 or 346,78	BR14 or BRO-14	346,78 or 386,29	B11	B01	426,67						
K1100, K1, Ø305, R1100R, RS, RT	CRO-12* or CR12*	386,29 or 346,78	BR14 or BRO-14	346,78 or 386,29	B11	B01	426,67						
R1100S, GS	CRO-12* or CR12*	386,29 or 346,78	BR14 or BRO-14	346,78 or 386,29	B11	B01	426,67						
R1200C, 850C	CRO-12* or CR12*	386,29 or 346,78	BR14 or BRO-14	346,78 or 386,29	B11	B01	426,67						
K1200RS	CRO-12* or CR12*	386,29 or 346,78	BR14 or BRO-14	346,78 or 386,29	B11	B01	426,67						
from 2001: R1200GS+RT+ST +GT+S+RS SPORT+K1200S	CRO-12* or CR12*	386,29 or 346,78	BR14 or BRO-14	346,78 or 386,29	B12A	B02A	426,67						
K1200R + R1200R 08-09					B12A	B02A	426,67						
F 800 ST+S 06-08	CC	245,82	BRO-14 or BR14	386,29 or 346,78									
*with CRO-12 & CR12: with o'ring for the engine													free
<b>DUCATI all types with calliper centre distances=65mm and 320mm disc can be equipped with the 4D AEROTEC system</b>													
600 SS + 748 + 750SS-97+ 918 (caliper fitting distance =40mm)	CR12	346,78	BR14	346,78				Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
750 SS 98- + 900 SS 97-	CR12	346,78	BR14	346,78	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
851 + 888 + 900SS-96	CR12	346,78	BR14	346,78				Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
748 + 998 ST2 & ST4S + 996 Hypersport 99- (caliper fitting distance =65mm)	CR12	346,78	BR14	346,78	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
Monstro 600 + 900	CRO-12	386,29	BRO-14	386,29				Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
695 Monstro 08	CRO-12	386,29	BRO-14	386,29	D12A	D02A	426,67						
Monstro S4R 08 + 1100S 09 + M696 09	CRO-12	386,29	BRO-14	386,29	4R12A	4R02A	426,67	D1R-G	D1R-D	354,68	D1R-GI	D1R-DI	260,85
					<b>* 1: OEM caliper * 2: with AEROTEC* caliper</b>								



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**MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER & ACCESSORIES** see page 21 **SPARE PARTS** page 22

EUROPEAN MOTORBIKES	AEROTEC* clutch		AEROTEC* BRAKE master cylinder		AEROTEC* CALIPER 6 piston or 4 piston			AERONAL DISC available in two versions					
	Part n°	Unit price	Part n°	Unit price	left	right	unit price	CAST IRON ROTOR			STAINLESS STEEL ROTOR		
					left	right	unit price	left	right	unit price	left	right	unit price
749 & 999 04-05	CR12	346,78	BR14	346,78	D12A	D02A	426,67	D1R-G	D1R-D	354,68	D1R-GI	D1R-DI	260,85
999 S 05	CR12	346,78	BR14	346,78	4R12A	4R02A	426,67	D1R-G	D1R-D	354,68	D1R-GI	D1R-DI	260,85
1000 DS Supersport, Monstro, Montro S +S4R +1000GT+1000S2S 08	CR12	346,78	BRO-14	386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
Sport Classic 1000 08 + GT 1000 -08 the discs must be sold with the calipers. We do not sell only the discs	CRO12	386,29	1* BRO-12; 2* BRO-14	386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
1098S 08 (discs 320mm and not 330 OEM) + 848 08	CR12	346,78	BR14	346,78	4R12A	4R02A	426,67	D1R-G	D1R-D	354,68	D1R-G	D1R-DI	260,85
Hypermotard 1100S 08 (+ spacers 7.5mm under caliper)	CRO-12	386,29	BRO-14	386,29	4R12A	4R02A	426,67	D1R-G	D1R-D	354,68	D1R-G	D1R-DI	260,85
<b>GUZZI</b>													
V7 Classic 09	CC	245,82	BR12	346,78	D12A		426,67	Y7L-G		266,01	Y7L-GI		163,04
V11 sport + all types 04-05 + Bellagio 09	CR12 or CRO-12	346,78 or 386,29	BR14 or BRO-14	346,78 or 386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
V10 Centauro GT/sport; California EV, special ; Daytona; 1100 sport + 1200S 09 + GRISO 09	CR12 or CRO-12	346,78 or 386,29	BR14 or BRO-14	346,78 or 386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
<b>HUSQVARNA 2000-</b>	CRO-9L or CRO-9K	386,29 or 412,62	1* BRO-10; 2* BRO-12	386,29	HU11A		426,67	HU1L		266,01	HU1LI		163,04
125CR+WR + 610SM 08	CC	245,82	1* BRO-10; 2* BRO-12	386,29	HU11A		426,67	HU1L-G		266,01	HU1L-GI		163,04
250 + 450 TC-TE 08	CC	245,82		386,29	KT13A		426,67	HU1L-G		266,01	HU1L-GI		163,04
<b>HUSABERG 2000-</b>	CRO-9L	386,29		386,29	KT13A or 4KT13		426,67 or 327,47	KT2L-G		266,01	KT2L-GI		163,04
SM 05	CRO-9L	386,29		386,29	4R12A		426,67	KT2L-G		266,01	KT2L-GI		163,04
<b>KTM enduro –1999</b>	CRO-9L	386,29	1* BRO-10; 2* BRO-12	386,29	4KT11		327,47	KT2L-G		266,01	KT2L-GI		163,04
enduro 2000-08 + SM 2000-03	CRO-9L	386,29	1* BRO-10; 2* BRO-12	386,29	KT13A or 4KT13		426,67 or 327,47	KT2L-G		266,01	KT2L-GI		163,04
SMR 05-06	CRO-9L	386,29	1* BRO-10; 2* BRO-12	386,29	4R12A		426,67	KT2L-G		266,01	KT2L-GI		163,04
Duke 1 –98	CRO-9L	386,29	BRO-12	386,29									
Duke 2 99- + SM 2004	CRO-9L	386,29	BRO-12	386,29	D12A		426,67	KT3L-G		266,01	KT3L-GI		163,04
690 SM 07 + 690 DUKE + SMR 08	CRO-9L	386,29	BRO-10	386,29	4R12A		426,67	Y7L-G		266,01	Y7L-GI		163,04
690 SMC 08	CRO-9L	386,29	BRO-10	386,29	4R12A		426,67	KT3L-G		266,01	KT3L-GI		163,04
950 SMR 08 (+ spacers 7mm under caliper)	CRO-9L	386,29	BRO-14	386,29	4R12A	4R02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
990 Super Duke –07	CRO-9L	386,29	BRO-14	386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
990 Superduke R 08	CRO-12	386,29	BRO-14	386,29	4R12A	4R02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
<b>MOTO MORINI Corsaro 1200 Veloce 08-09 + 912 08</b>	CRO12	386,29	BRO-14	386,29	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
<b>MV AGUSTA B4 910S</b>	CR12	346,78	BR14	346,78									
Brutale 910S + F4000 08-09	CRO14	386,29	BRO-14	386,29	4R12A	4R02A	426,67						
<b>MZ 1000SF</b>	CR14	346,78	BR14	346,78	S11A	S01A	426,67						
<b>SHERCO 4.5 I enduro 08</b>	CRO-9L or CRO-9K	386,29 or 412,62	1* BRO10; 2* BRO12	386,29	HU11A		426,67	HU1L-G		266,01	HU1L-GI		163,04
4.5 I Supermotard	CRO-9L or CRO-9K	386,29 or 412,62	1* BRO10; 2* BRO12	386,29	4R12A		426,67	HU1L-G		266,01	HU1L-GI		163,04
<b>VERTEMATI –2002</b>			1* BRO10; 2* BRO12	386,29	KT13A or 4KT13		426,67 or 327,47	H8L-G		266,01	H8L-GI		163,04
2003-			1* BRO10; 2* BRO12	386,29	XRA or 4XR		426,67 or 327,47	H8L-G		266,01	H8L-GI		163,04
<b>VOR</b>			1* BRO10; 2* BRO12	386,29	HU11A		426,67	VO1L-G		266,01	VO1L-GI		163,04
<b>VOXAN Roadster, Café R.</b>	CR14 or CRO-14	346,78 or 386,29	BR14 or BRO-14	346,78 or 386,29				Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
Black Magic	CR14	346,78	BR14	346,78	D12A	D02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04
Charade	CR14	346,78		346,78	4R12A	4R02A	426,67	Y7L-G	Y7L-D	266,01	Y7L-GI	Y7L-DI	163,04

\*1: OEM caliper \*2: with AEROTEC\* caliper

MIRROR HOLDER, STOP SWITCH, REAR MASTER CYLINDER &amp; ACCESSORIES see page 21 SPARE PARTS page 22

COMPLETE KIT FOR A BIKE: please ask us

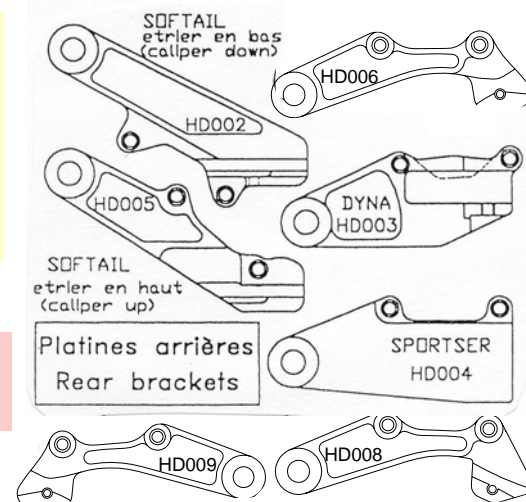


HARLEY DAVIDSON types	CLASSIC DISCS (only in CAST IRON ROTOR)		AERONAL DISCS available in two versions:				6 PISTON AEROTEC® CALIPER			4 PISTON CALIPER		
	Part n°	Unit Price	CAST IRON ROTOR		STAINLESS STEEL ROTOR		right	left	Unit Price	right	left	Unit Price
			Part n°	Unit Price	part n°	Unit price						
-1999 diam291 original (11"5)	HD1	274,24	HD1L_G (left) HD1L_D (right)	274,24	HD1L_GI (left) HD1L_DI (right)	171,27	HD01A	HD11A & HD01 for Springer	440,72	4HD01	4HD11	341,51
-1999 diam320 (12"5)	HD2	274,24	HD2L_G or HD6L-G (left) HD2L-D or HD6L-D (right)	274,24	HD2L_GI or HD6L-GI (left) HD2L-DI or HD6L-DI (right)	171,27	HD02	HD12	456,52			
-1999 diam254 (10")	HD3	274,24								4HD03	4HD13	341,51
2000- Ø291 types	HD4	274,24	HD4L-G (left) HD4L-D (right)	274,24	HD4L-GI (left) HD4L-DI (right)	171,27	HD04A	HD14A & HD01 for Springer	456,52			
2000- Ø320 types (12"5)			HD6L-G + HD6L-D	274,27	HD6L-GI + HD6L-DI	171,27						
BUELL			BU1R-G + BU1R-D	354,68	BU1R-GI+BU1R-DI	260,85				4HD03	4HD13	341,51
master cylinders for BUELL: BR+CC diameter 22mm												

RADIAL AEROTEC® MASTER CYLINDERS				
brake or clutch	Part n°	use	Unit price	
RADIAL AEROTEC® <b>brake</b> m. cylinder with built-in reservoir (15cc) (with fluid level visual)	BROH-12	Ø handlebar: 1 inch; 1 caliper 6 piston, or 1 caliper 4 piston radial	386,29	
RADIAL AEROTEC® <b>brake</b> m. cylinder with built-in reservoir (27.8cc) (with fluid level visual)	BROH-14	Ø handlebar: 1 inch 2 calipers 4 or 6 piston	386,29	
Cable <b>clutch</b> AEROTEC® only with 4 finger lever	CCH-4	Ø handlebar: 1 inch	245,82	
Hydraulic <b>clutch</b> m. cylinder RADIAL AEROTEC® built-in reservoir (without fluid level visual)	CROH-14	Ø handlebar: 1 inch	386,29	
Lever for BRO	Lever -2	Lever, nuts	115,8	
Lever for BRO	Lever -3	Lever with fingers grips, nuts	115,8	
Lever for BRO	Lever -4	Lever long plain, nuts	115,8	
Lever for BRO	Lever -5	Lever plain, nuts	115,8	
Lever for CCH (CAUTION: only LEVERCCH-4 exists)	Levercch-4	Lever plain, bearings, nuts	115,8	
Mirror holder for brake master cylinder	MHOLDBH	As an option, add OPT to the part # & price is 25.10	45,65	
Mirror holder for clutch lever	MHOLDCH		45,65	

REAR BRACKETS for <b>BERINGER®</b> 6 or 4 piston CALIPERS		
MOTORBIKE	Part n°	Unit price
Rear 1340 Softail for HD11 or 4HD11	HD002	180,85
Rear Dyna Glide for HD01 or 4HD01	HD003	180,85
Rear Sportster for HD11 or 4HD11	HD004	180,85
Rear Softail for HD01 <b>caliper up</b>	HD005	180,85
Type 2000 rear Softail for 4HD01	HD006	180,85
Type 2000 rear Sportster for HD11 or 4HD11	HD009	180,85
Type 2000 rear Dyna for HD01 or 4HD01	HD008	180,85

Calipers are delivered with **BERINGER®** sintered metal pads



SPARE PARTS see page 22

### FINISH especially for HARLEY and BUELL :

**silver or black anodise** are the standard colors for disc hubs, callipers and master cylinders. The cast iron rotor is **silver**. Other colours are available on special order at an additional cost of **13.17€**per batch of parts, with a 3-weeks lead time. Add the following suffix to part # : **Black, BLue, Gold, Silver, Purple, Titanium, Red.**

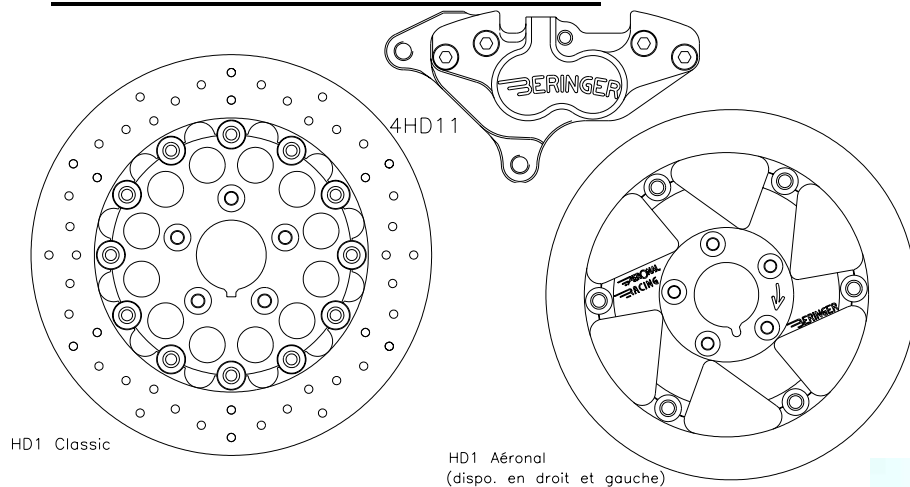
**WARNING:** - **Chrome plating** is available but with a lead time and an extra cost of **40.12€per part (caliper, disc, CC)** or **52.50€(master cylinder)**: this finish is strictly reserved for an occasional use. Under no circumstances, water or corrosive products (like removal of snow salt) must not stay on the chrome plating. This would cancel the warranty. In the same way, chips caused by fine gravel would invalidate the warranty as well.

- **polishing** is also available but with a lead time and an extra cost of **16.68€**

**BROH-12-4 B** → means BRO-12 (built-in reservoir) with lever -4 **BLACK**  
**CCH-4 G** → means CC (cable clutch) with lever -4 **GOLD**

## Before 2000 types

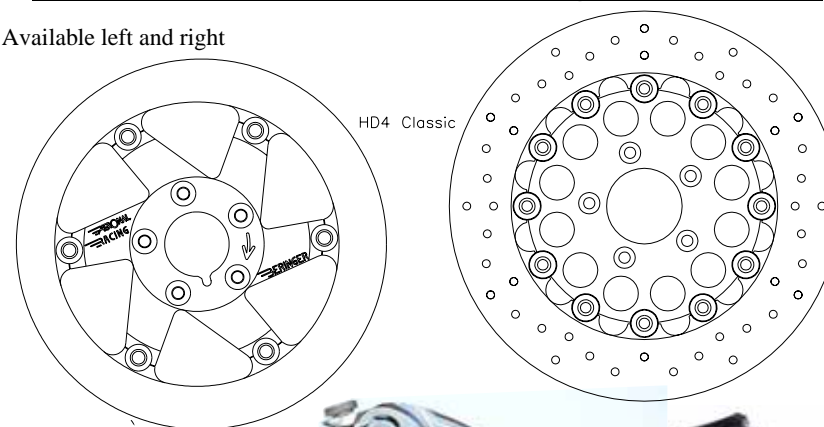
### ORIGINAL DIMENSIONS: 11.5 "



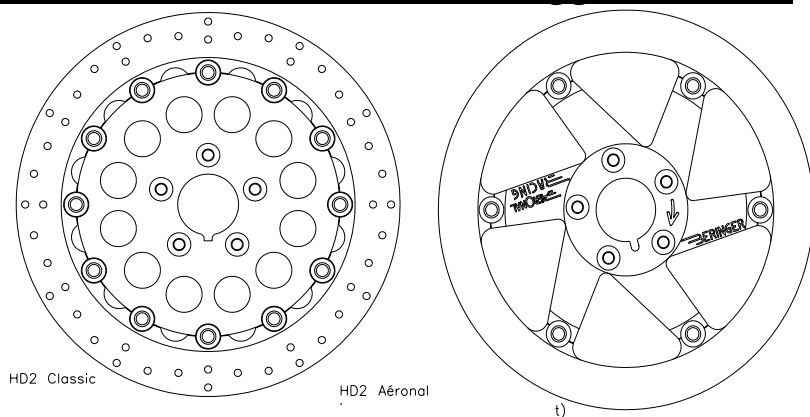
## From 2000 types

### 2000 types : 11.5" = Ø291 = original diameter

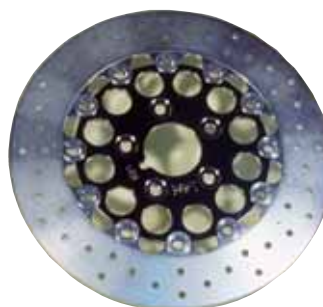
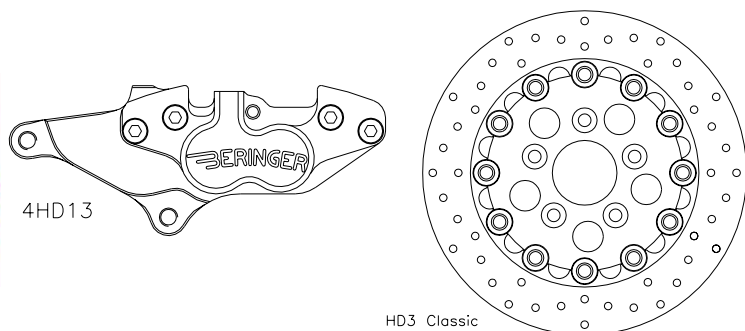
Available left and right



### DIMENSION : 12.6" = Ø320 = bigger diameter

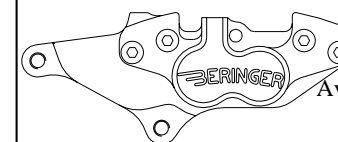


### DIMENSION : 10" = Ø254 = smaller diameter

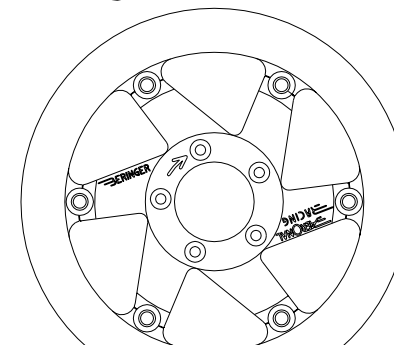


### KIT for BUELL



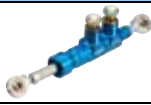
Available left and right







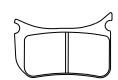
Available left and right





	<i>ACCESSORIES for BRAKE and CLUTCH &amp; REAR PMASTER CYLINDERS</i>	<i>Part n°</i>	<i>Utilisation</i>	<i>Retail Price without tax</i>
	mirror holder as option delivered with the master cylinder	OPTSR	for BR, BRO, CRO, CC	25,46
	KIT RESERVOIR <b>15cc</b> (small reservoir + engraved solid aluminium cap with same anodized colour as the master cylinder with logo BERINGER+ hose+ stainless steel bracket + aluminium spacer + bolts)	BO1	for BR12, BR14, CR12, CR14	39,51
	KIT RESERVOIR <b>35cc</b> (big reservoir + engraved solid aluminium cap with same anodized colour as the master cylinder with logo BERINGER+ hose+ stainless steel bracket + aluminium spacer + bolts)	BO2	for BR12, BR14, CR12, CR14	61,89
	Braking and clutch ELECTRICAL SWITCH kit	CS1	for BR, CR, BRO, CRO, CC	3,51
	<i>REAR MASTER CYLINDER</i>	<i>Part n°</i>	<i>Utilisation</i>	<i>Price</i>
	12.7 <u>ultra-light</u> rear <b>braking</b> master cylinder : <u>74g</u>  entirely mounted with ball ends (aeronautical quality)	MC12.7 x 22	Rear master cylinder. It is also made to be mounted in serie with another master cylinder (for example : thumb master cylinder).	245,82
	feeding nipple aluminium+banjo screw+3 cooper washers	Elbow kit	For MC12.7x22	9,39
	simple banjo screw with bleeder+banjo screw+ cooper washers	Banjo serial kit	For MC12.7x22	9,39

	<i>ADDITIONAL CALIPER</i>	<i>Part n°</i>	<i>Utilisation</i>	<i>Retail Price without tax</i>
	<b>BERINGER 2 piston ultra light calipers:</b> for racing or sport bikes - 84mm (italian bikes)	2D1	main use: replacing the rear calipers front braking for race scooters	246.00

	<i>SINTERED METAL PADS FOR BERINGER CALIPERS</i>	<i>Part n°</i>	<i>Price 1 pair retail without tax</i>
	BERINGER 4 PISTON CALIPERS (2 pads) for Harley Davidson bikes	<b>2654F</b>	31,61
	BERINGER 4 PISTON CALIPERS (2 pads) for Supermoto semi racing use	<b>2654S</b>	31,61
	BERINGER OLD 6 PISTON CALIPERS (6 pads) for road and street bikes	<b>2547S</b>	83,58
	BERINGER 2 PISTON CALIPERS (2 pads)	<b>2547S</b>	22,83
	BERINGER AEROTEC® 6 PISTON CALIPERS all uses except competition	<b>1100 S</b>	39,51
	BERINGER AEROTEC® 6 PISTON CALIPERS only for competition (PADS PROHIBITED ON THE ROAD)	<b>1100R2</b>	53,55
	BERINGER AEROTEC® 6 PISTON CALIPERS only for competition (PADS PROHIBITED ON THE ROAD)	<b>1100R8</b>	53,55
	BERINGER ENDURANCE AEROTEC® CALIPERS (2 pads 12mm thick) only for competition (PADS PROHIBITED ON THE ROAD)	<b>Depending on the development</b>	ask for it
	BERINGER AEROTEC® RADIAL 4 PISTON CALIPERS	<b>1200S</b>	39,51
	only for competition (PADS PROHIBITED ON THE ROAD)	<b>1200R2</b>	53,55
	only for competition (PADS PROHIBITED ON THE ROAD)	<b>1200R8</b>	54,55

**FINISH of the parts:** (for Harley, see page 19)

**RED ANODISE** is the standard color for disc hubs, callipers and master cylinders. Other colors are available on special order at an additional cost of **13.17€** per batch of parts.

**Add the following suffix to part # :**

**Black, BLue, Gold, Silver, Purple, Titanium, Red**

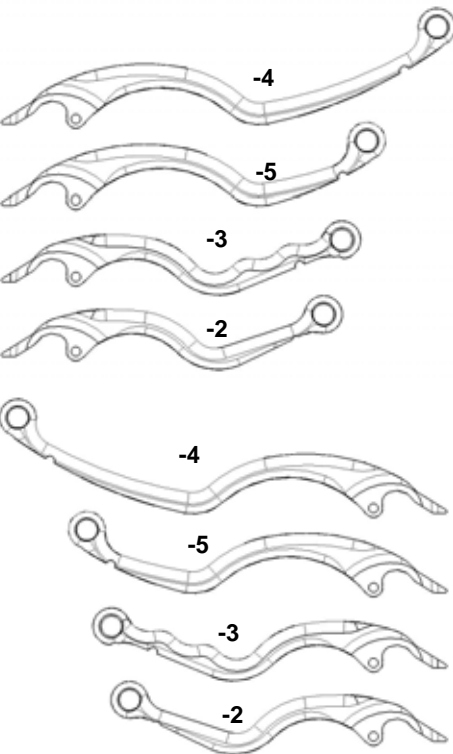
**WARNING:** - **Chrome plating** is available but with a lead time and an extra cost of **40.12€ per part (caliper, disc, CC) or 52.50€ (master cylinder)**: this finish is strictly reserved for an occasional use. Under no circumstances, water or corrosive products (like removal of snow salt) must not stay on the chrome plating. This would cancel the warranty. In the same way, chips caused by fine gravel would invalidate the warranty as well.

- **polishing** is also available but with a lead time and an extra cost of **16.68€ per part**.

**SPARE PARTS** see page 22

## SPARE PARTS

CALIPERS	contents	Part n°	price
Repair kit for 6P AEROTEC® caliper	Pistons, all seals, screws, pad guides, bleeder	Rep6pcalip	57,54
Repair kit for 4P radial AEROTEC® caliper		Rep4prad	57,54
Repair kit for 4P caliper	Pistons, all seals, screws, pad axle, bleeder	Rep4pcalip	45,66
repair kit for 2 piston	Pistons, all seals, screws, pad axle, bleeder	rep2pcalip	45,66
repair kit for 2 piston AEROTEC® caliper	Pistons, all seals, screws, pad axle, bleeder	rep2paercalip	45,66
Repair kit for 6P (old type with 6 pads)	Pistons, all seals, screws, pad axle, bleeder	Rep6p6p	57,54
MASTER CYLINDERS	contents	Part n°	price
Repair kit for master cylinder BRO-10, CRO-9	All the parts except the aluminium parts (give the type when you order)	RepkitBRO10	109,74
Repair kit for master cylinder BR12, CR12		RepkitBR12	109,74
Repair kit for master cylinder BRO-12, BROH-12, CRO-12		RepkitBRO12	109,74
Repair kit for master cylinder BR14, CR14		RepkitBR14	109,74
Repair kit for master cylinder BRO-14, BROH-14, CRO-14		RepkitBRO14	109,74
Repair kit for MC 12.7	2 cup seal, dust seal, anti rollover ring	RepMC12.7	23
simple banjo screw, bleeder+banjo screw+ cooper washers	Banjo serial kit	banjokit	9,4
Lever for master cylinders for racing bikes, 2 fingers	Lever, nuts	Lever -2	116,35
Lever for master cylinders for racing bikes, 3 fingers	Lever, nuts	Lever -3	116,35
Lever for master cylinders for sport and road bikes, 4 fingers	Lever, nuts	Lever -4	116,35
Lever for master cylinders for sport and road bikes, 2 fingers	Lever, nuts	Lever -5	116,35
Lever for cable clutch CC-2	Lever for cable clutch (plain lever for two fingers )	LeverCC-2	116,35
Lever for cable clutch CC-3	Lever for cable clutch (with three finger grips)	LeverCC-3	116,35
Lever for cable clutch CC-4	Lever for cable clutch (plain lever for all fingers )	LeverCC-4	116,35
Mirror holder for BR or BRO	As an option, add OPT to the part # & price is 25.46	MHOLDB	45,66
Mirror holder for CR, CRO ou CC	As an option, add OPT to the part # & price is 25.46	MHOLDC	45,66
Mirror holder for BROH (Harley)	As an option, add OPT to the part # & price is 25.46	MHOLDBH	45,66
Mirror holder for CCH (Harley)	As an option, add OPT to the part # & price is 25.46	MHOLDCH	45,66
Reservoir cap for BRO, CRO	Engraved solid aluminium reservoir cap	coverBRO	9,4
Reservoir cap for KIT RESERVOIR	Engraved solid aluminium reservoir cap	cap	10,8
DISCS	contents	Part n°	price
AERONAL hub (flat)	Aluminium hub, floaters, washers, snap rings	Hub flat	107,1
AERONAL hub (with offset)	Aluminium hub, floaters, washers, snap rings	Hub offset	177,08
Classic hub (flat)	Aluminium hub, floaters, washers, snap rings	Hub classic	107,1
Floaters kit (for 6mm thick AERONAL disc)	6 floaters, 6 washers, 6 snap rings	Floater 6	20,06
Floaters kit (for 5mm thick AERONAL disc)	6 floaters, 6 flat washers, 6 wave washers, 6 snap rings	Floater 5	20,06
Floaters kit (for Classic disc)	12 floaters, 12 washers, 12 snap rings	Floater C	40,12
Floaters for <b>BMW: ANTINOISE REPLACING KIT</b> for <b>OEM floating discs</b>	12 floaters, 12 washers, 12 snap rings) in low friction steel for long life	Floater BMW	40,12
External rotor <b>CAST IRON</b> for AERONAL disc or classic disc (ask us)	Plain cast iron rotor	piste	175,78
External rotor <b>STAINLESS STEEL</b> for AERONAL disc or classic	Plain STAINLESS STEEL rotor	piste I	122,04



# 4D AEROTEC® BRAKING SYSTEM with 4 discs

**The purpose of the 4D AEROTEC system :**

**To decrease the gyroscopic effect and the weight while increasing the power.**

## THE ADVANTAGES OF THE QUADRUPLE DISQUE:

- **Power Increase of 20%** compared to a single Ø320mm cast iron disc which allows to the riders to shorten their braking distances significantly. Some comparative tests have shown evidence of this gain as well as a lower temperature of the discs.
- **Manoeuvrability Improvement** : The gyroscopic inertia of the Quadruple Disc is **3 times less** than the inertia of Ø320 discs and **30% less** the inertia of carbon discs : it represents the decisive advantage of this system. For example, the time spent through a chicanes or the time necessary to lean on angle is highly reduced.
- **Weight saving** is significant compared to the standard systems  
 CAST IRON DISC Ø320 weight: 1950 g      QUADRUPLE DISQUE Ø230 weight 1460 g  
 The **980 g saved** in non suspended weight improve the grip of the front wheel
- **A much longer working life:** tests have shown very little wear of the system which allows to consider a **working life equal to a full racing season.**



The entire AEROTEC 4D system includes :

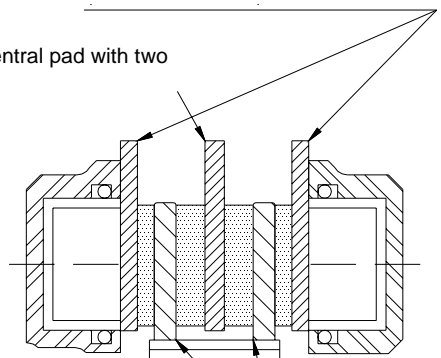
- **2- floating double discs**
- **2- 4 piston calipers AEROTEC 4D with special sintered metal pads**

Each kit is especially designed for each bike and uses the same centre line distances as original parts making the installation as easy as that of original parts, with no risk of mistake.

*Caution: this system is not designed for long Endurance races but is very interesting for qualifying.*

External pads mounted on AEROTEC guides (World patented)

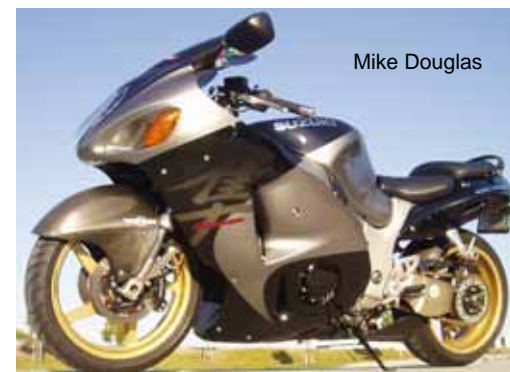
Static central pad with two sides



Two semi-floating discs Ø230mm

**The 4D AEROTEC® system is "direct bolt-on" on the following SUPERSPORT bikes**

MOTORBIKE	KIT part n°	retail-Price
YAMAHA R1 – YAMAHA R6 –03	D4Y1	1780.43
HONDA VTR SP1	D4H1	1780.43
HONDA 900CBR 2000-	D4H2	1780.43
SUZUKI GSXR 600, 750 -2000, 1300 Hayabusa, 1000TL	D4S1	1780.43
SUZUKI GSXR 600 2000-, 750 2000-, 1000 2000-2003, SV 1000	D4S2	1780.43
DUCATI all types after 98 (with original Ø320mm disc, 65mm center distances caliper)	D4D1	1780.43
APRILIA all types with original Ø320mm disc, 65mm center distances caliper)	D4D2	1780.43
KAWASAKI ZX7R 96-, ZX12R(original Ø320mm disc)	D4K1	1780.43
KAWASAKI ZX9R 2000- (original Ø310mm disc)	D4K2	1780.43
Pads 4D for 2 calipers (6 pads)	1027S 1027R2	107.11 ask us



Mike Douglas



**WORLD PATENT**

AEROTEC®  
PATENTS



**COLOUR SWATCH** of available colors and finishes for the disc hubs and the callipers. It is made of aluminium circles anodised in red, purple, blue, gold, titanium, clear; and chromed. **PRICE: 16.68€**



## DISPLAY STAND

Free-standing red-anodized aluminium, allows to display a disc and a caliper near vertically  
Engraved **BERINGER®** **PRICE: 16.68€**



## STICKERS

BERINGER size 15x3cm **PRICE: 1.05€**

BERINGER size 22x94 **PRICE: 2.63€**

BERINGER size 7x30 **PRICE: 3.51€**



## EMBROIDERED BADGE

thermo-adhesive to apply to clothing and racing suits. 14x4.5cm

**PRICE: 3.51€**



## TEE SHIRT

Dark blue  
Front and back printed  
(big one on the back)  
M L XL

**PRICE: 9.39€**

## CAP

Dark  
Front embroidered  
**PRICE: 9.39€**

## TEE SHIRT for girl

black  
Front printed  
S M  
**PRICE: 10.80€**



## SHIRT

Sand  
Front and back embroidered  
M L XL  
**PRICE: 40.65€**

# BERINGER COMPANY

**BERINGER®** company has been manufacturing brakes for racing for more than 17 years, with an unequalled spirit of quality and performance.

## A decisive technological advance

Very quickly **BERINGER®** braking parts have been appreciated by top racing teams for their exceptional performance and reliability. This enabled **BERINGER®** to enter and stay in the Endurance World Championships, supplying a lot of teams in 12 years and winning the 2000 and 2003 World Champion title with the Phase One Team, and the 2002 title with ZONGSHEN team. This was made possible because of a staff of impassionate Engineers who were able to study and develop new products specific to each use. These patented innovations have allowed **BERINGER** brakes to take a decisive technological advance.

The **4 disc AEROTEC®** used in Superbike races is a good example, as well as the **AEROTEC®** master cylinders mounted on bearings which give the riders an exceptional feeling, or the famous **AERONAL** discs that became Supersport World Champion in 2000 with Team Alpha Technik.

## Worldwide Supermoto top riders choose **BERINGER®** brakes

**Supermoto top riders around the World** use **BERINGER®** Supermoto kits that help them win their national championships. **BERINGER®** brakes are champion in France, USA, Belgium, Spain, Great Britain, Netherland, Greece, Canada, Brasil, Poland, Cyprus, Sweden...

## **BERINGER®** and R&D

Another facet of **BERINGER®** is that of **Engineering** braking system for any kind of vehicle: from mountain bikes to light planes but also cars, scooters or ATVs.

**BERINGER®** company has always invested a lot in innovations: more than 10% of its profits are dedicated each year to the R&D department which has yielded more than **10 Worldwide patents**.

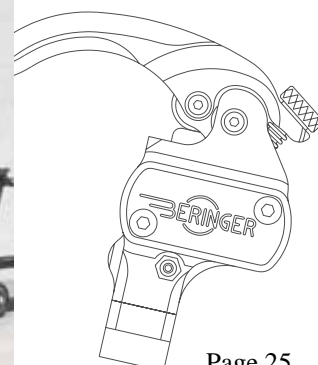
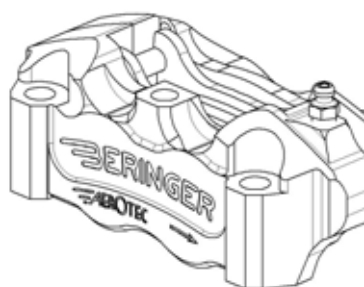
**AEROTEC®**  
**PATENTS**

## **BERINGER®** and QUALITY

**BERINGER®** combines performance and **quality** and always keeps the brakes users absolute in mind, and has thereby obtained several quality label certifications: **ISO 9001, UTAC, TÜV, Made In Respect**.

**BERINGER** makes no difference between the parts for street riders and race pilots. **BERINGER** braking systems are studied to stand up to the stress of competition.

All Beringer users therefore enjoy our constant technological advance.

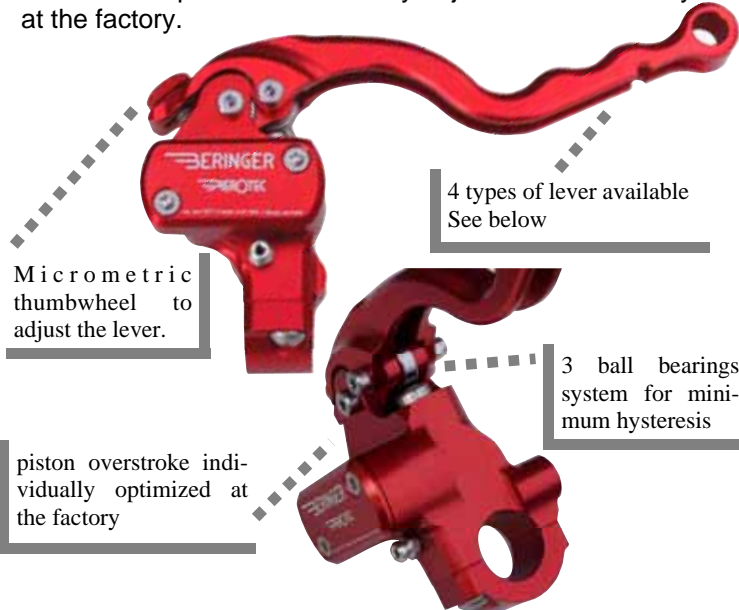


# RADIAL MASTER CYLINDERS

AEROTEC®  
PATENT

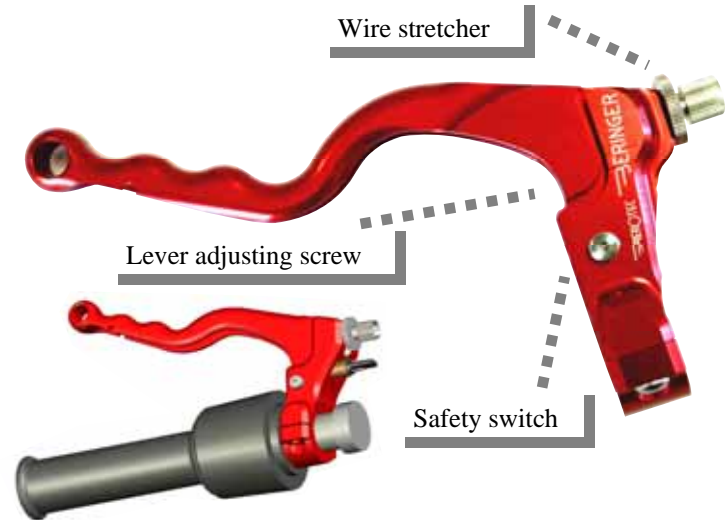
# CABLE CLUTCH

These **BERINGER®** brake and hydraulic clutch **MASTER CYLINDERS** were developed for Supermoto, Enduro, Moto-Cross, Sport bikes. They are very compact and very light (270g). Fully machined from billet using a three ball bearings system and covered by the AEROTEC® world-wide patents, they bring exceptional feeling. Easy to adjust for reach and with lever finger grips (or plain lever) they provide the ultimate performance. They easily fit under hand guards and the overstroke of the piston is individually adjusted with accuracy at the factory.



## AEROTEC® CABLE CLUTCH LEVER Same design as the master cylinder

Currently available, this new cable clutch lever was designed with the AEROTEC® system, using a two bearings system which offers an excellent feel and a reduction of load when pulling the clutch. It features the same design as the brake master cylinders range allowing to have symmetrical brake and clutch levers. Mounts on Japanese bikes and Enduro, Moto Cross and Supermoto bikes that have a Ø8mm cylindrical cable end.

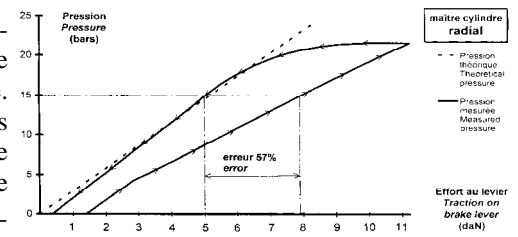
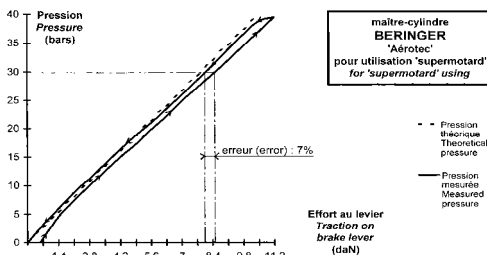


## BERINGER® MASTER CYLINDER RADIAL AEROTEC® PATENTED

By reducing friction in the lever and piston movement, brings the actual balance error down to **only 7% !**

An excellent result compared to classical radial master cylinders (see the following graph).

In the quest to improve braking performance it has been normal to change the master cylinder to a classical radial type. However when you view this graph it is immediately noticeable that between the application and release of the lever, there can be up to **57% balance error** leading to inferior braking performance.



## 12.7 ultra-light rear braking master cylinder : 74g

This oscillating master cylinder is entirely mounted with rod ends (aircraft quality) Part n°: MC12.7 x 22

Weight without spherical rod ends : 74g

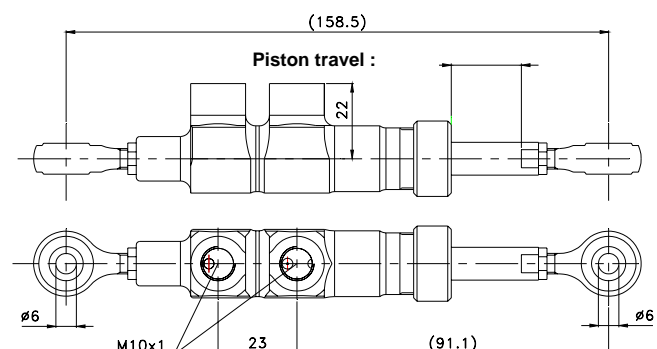
Diameter of the piston: 12.7 mm Piston travel: 22 mm.

Thread type of the connections (fluid inlet and outlet are the same): M10x1

Diameter of the rod end bores : 6 mm (you can have ball bearings rod ends)

Rod end studs: M6x0.8 (male).

This master cylinder is also made to be mounted in series with another master cylinder (for example : thumb master cylinder).





# AERONAL CAST IRON FLOATING DISCS

## 1-CAST IRON : THE BEST MATERIAL FOR COMPETITION BRAKE DISCS

Universally used in car races (F3000, GT, Rallyes) and by all the "high-performance" disc manufacturers, cast iron allows faster heat dissipation than steel and stainless as used in most oem original motorcycle discs (because of the lower cost). Cast iron is also better heat-resistant. **BERINGER** has developed a gray cast iron alloy and heat treatments that assure "a total reliability" of the discs even in very hard conditions.

The cast iron rotors are covered with anticorrosion "aluminium plasma".

## 2- 20% SAVING OF WEIGHT :

The disc can reach much higher temperatures and can be used with sintered metal pads, thanks to **narrow braking surfaces without holes**, associated to new heat treatment.

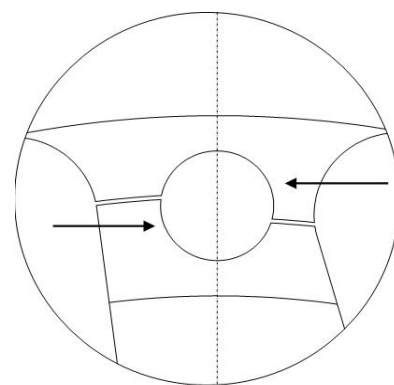
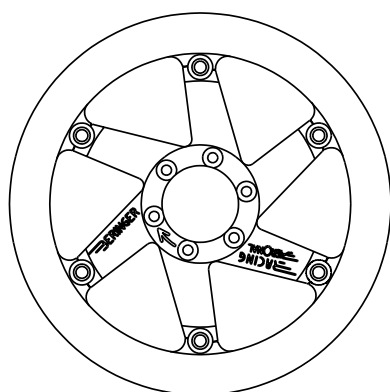
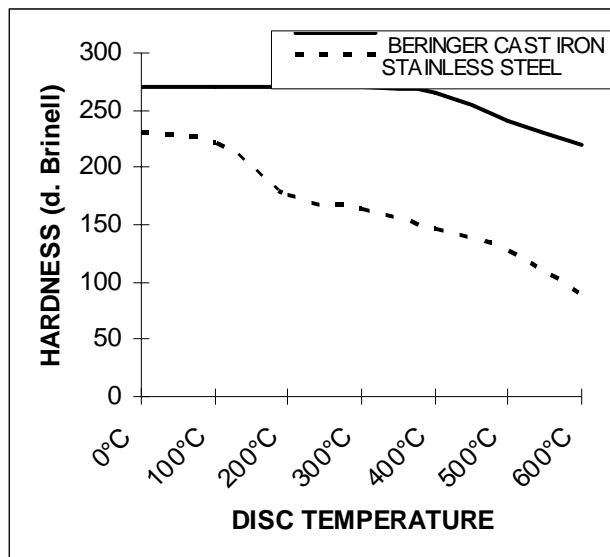
The hub is manufactured out of a **highly performant aluminium alloy**, used in the aeronautic industry.

## 3- LESS CONSTRAINTS :

Thanks to an exclusive offset system **binding the hub and the braking surface which spreads to loads to the supporting areas**, the constraint at this very place is divided by two, and the working life of the disc increases.

## 3- IMPROVED MANOEUVRABILITY :

The **gyroscopic inertia is appreciably reduced** by the use of narrow braking surfaces and 6 floaters instead of 12, thereby improving the manoeuvrability of the bike.



**For several years **BERINGER**<sup>®</sup> has been developing a range of very high performance cast iron floating brake discs. These discs combine all the important notions to ensure an efficient and constant braking in every circumstances.**

The braking surfaces (outer ring of the disc) are entirely CNC machined ensuring an accuracy far superior to that of the stamped stainless discs fitted by motorcycle manufacturers. The material used (gray cast iron) is universally used by all the "high-performance" manufacturers. However, **BERINGER**<sup>®</sup> has considerably developed this material in its chemical composition, casting processes and heat treatments, to give **BERINGER**<sup>®</sup> discs their exceptional performance qualities, widely recognized in racing. The specific structure of our cast iron allows an extremely fast dissipation of the heat generated by the contact with the pads, resulting in a better balanced temperature distribution through the disc, between the surface and the inner metal. This dissipation is better than can be obtained with any other material (steel or stainless). To be more precise, although the average temperature of a steel disc or a cast iron disc will be identical (for a given braking situation), the maximum temperature in the cast iron disc will be lower, due to the better distribution between the surface and the inner metal. Also, the hot distortion of a disc is due to the difference between surface temperatures, resulting in uneven expansion of the disc (expansion is proportional to temperature). Thus, the steel or stainless disc becomes warped and conical, resulting in vibration and lower efficiency, and even going as far as cracking. This problem is non-existent in **BERINGER**<sup>®</sup> cast iron discs.

Thus, the cast iron braking surface remains perfectly plane, resulting in constant braking in all conditions (hot, cold, beginning or end of braking), while accepting far higher temperatures than stainless discs. This increases the braking power available by more than 40%. The coefficient of friction of our cast iron, due to its very fine grain, is also much better, requiring less pressure on the pads, for a given deceleration, than any other material (steel or stainless).

The braking surface on **BERINGER**<sup>®</sup> discs is subject to very little wear, resulting in a very long life time in normal road use, and more than a season of competition (endurance racing) with the AERONAL Racing.

# CALIPERS : a high technology product

All **BERINGER®** brake calipers are :

- **Machined from aeronautic aluminium billet** (better resistance to deformation in high temperatures)

- **Machined on CNC machines** (precision and quality with aeronautic manufacturing process)

This optimized manufacturing process allows the very best materials to be used (unlike cast calipers) together with closely controlled material thicknesses, so that these calipers are actually lighter than OEM calipers fitted by motorcycle manufacturers.

The pistons are stainless alloy, which isolates the caliper from the heat generated by the pads (stainless alloy only conducts one thirteenth of the heat conducted by aluminium) and also eliminates any possibility of corrosion. The pistons are centered against the pressure center of the pads allowing a constant and regular wear of the pads.

The **EXCEPTIONAL RIGIDITY** of these calipers is partly due to the machining technique used, and partly due to the method of assembly of the two parts of the caliper : this minimizes the longitudinal opening of the caliper, when working. The consequences are : incisive braking with a very short response time, constant lever pressure and constant lever travel.

**Each type of caliper is specifically designed for each motorcycle. The caliper is mounted directly on the fork without adapter and so ensures a perfectly rigid fastening very close to the fork legs.**

The original master cylinder is suitable, despite its disadvantages, because the great gain of rigidity and precision of the caliper minimizes the brake fluid volume required for braking.

**BERINGER® calipers are available in several types to answer any kind of use :**

**AEROTEC® type:** The **AEROTEC® caliper** was developed from the knowledge acquired from different competitions in which Beringer® has been involved. Thanks to innovative patents and technical solutions, this caliper has the advantage of reacting more quickly (reduction of hysteresis) and not causing taper wear of brake pads. Performances are better, but this is not the only advantage. They bring an exceptional feeling to the braking. See the characteristics page 22. You will find the AEROTEC® technology in :

- **AEROTEC® 6 piston caliper (with two pads)**

The 6 piston AEROTEC® has replaced the famous 6-pad BERINGER® caliper that started it all.

- **AEROTEC® radial 4 piston caliper**

The new radial 4 piston calipers present the same characteristics as the 6 piston AEROTEC® calipers, and feature a radial type mount.

- **AEROTEC® 2 piston caliper**

This 2 piston AEROTEC® caliper is dedicated to ATVs

**BERINGER 4 piston calipers** They have a classic guiding of the pads. Intended for small and middle-sized sport bikes, for Supermoto or for bikes which do not need to dissipate great braking energy, these calipers represent an economical option to the 6 piston calipers while maintaining excellent quality, weight and performance characteristics .

**BERINGER 2 piston ultra light calipers: 305g** are intended for racing sport bikes. They are granted the technological innovations of its cousins with 4 or 6 pistons. Their main use is replacing the rear calipers to improve the rear braking to the maximum of its possibility:

- rear braking for racing (superbike and endurance)
- rear braking for sport, highway and tuned bikes
- front braking for race scooters
- direct mounting on bracket with a center to center distance of 84mm (italian bikes)



## Technical innovations:

### • Reduction of hysteresis

Thanks to the **AEROTEC**® patented chrome-plated brake pad guiding system and its location in a neutral zone where there is no deformation, hysteresis is dramatically reduced.

### • More aggressive and stronger

Only 16.5 bars of line pressure are necessary to reach an equivalent torque, against 20 bars with another caliper. A gain of 20%!

### • Improved control

Actually compared to another racing caliper, the error of control is reduced to 17% against 53%. In order to reach again the same torque after having released the brake, 14 bars are necessary with BERINGER caliper and 12 bars with the other systems.



## Better behavior :

### • No pad taper:

The AEROTEC® system avoids slanted wear, even when the pads are new or worn.

### • A better feeling

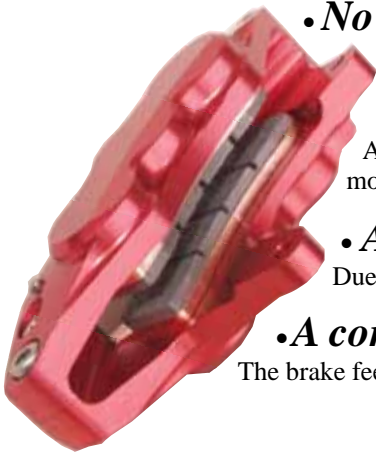
As the pads are not taper worn, they do not touch the disc when you release the brake. There are no more vibrations.

### • A longer brake pad life

Due to the optimisation of the pad wear, life time, efficiency and endurance are improved.

### • A constant braking feeling

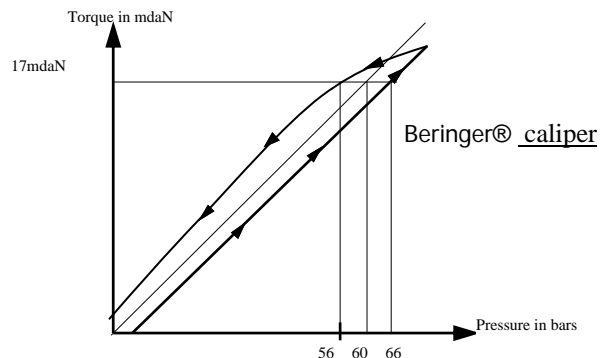
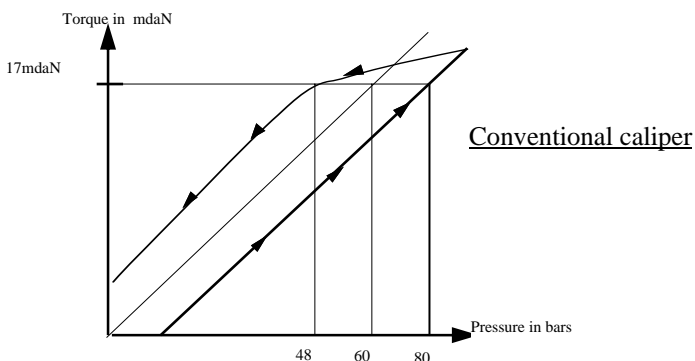
The brake feeling is constant whatever the pad's wear or the temperature conditions.



## Brake pad guides : the patent and hysteresis

The patented chrome-plated brake pad guiding system greatly reduces hysteresis of the caliper. The brake pads are mounted on supports equipped with two lugs. These lugs easily slide on the chrome-plated guide bars, even during intensive use under difficult conditions. Thanks to this system and their location in a neutral zone where there is no deformation, hysteresis is dramatically reduced. Only 16.5 bars are necessary to reach an equivalent torque, against 20 with another caliper. A gain of 20%! Actually compared to another racing caliper, the error of control is reduced to 17% against 53%. In order to reach again the same torque after having released the brake, 14 bars are necessary with BERINGER caliper and 12 bars with the other systems.

In this way (see graph), when pressure is put on the brake lever, with a Beringer® caliper a torque of 17 mdaN can be obtained with a pressure of 66 bars, instead of 80 on a standard system.



When the lever is released, to obtain these same 17 mdaN, 56 bars are needed with Beringer® against 48 with a traditional system: the control error is reduced to 17% against 53 % be-



# AEROTEC® CALIPERS: 6 piston and RADIAL 4 & 6 P



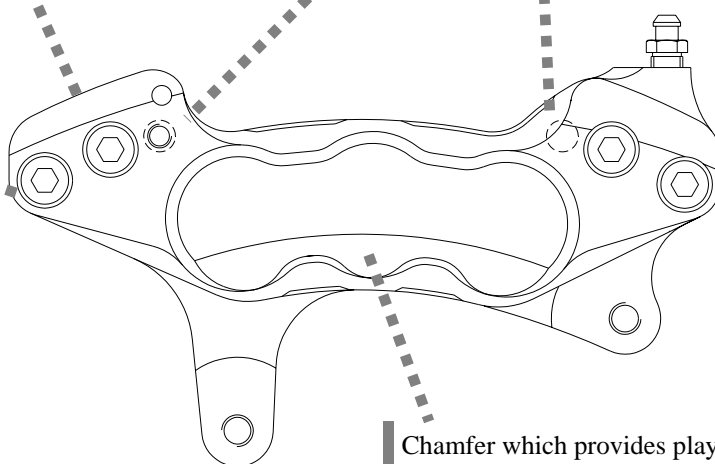
Machined on CNC from a billet of an aeronautic high performance alloy used on the wings of supersonic planes.

AEROTEC® chromium-plated guides of the pads

Important chamfer allowing an easy removal of the wheel or the caliper **without removing the pads.** (wheels 17" and 16.5")

Low head screw included into the body

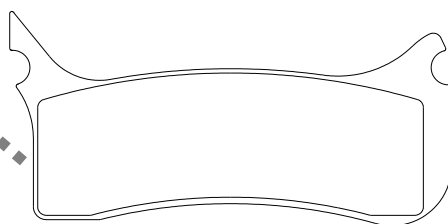
**Direct mounting on original or racing fork for the 6 piston and the 4 piston radial calipers.**



Chamfer which provides play between the caliper and the spokes

The AEROTEC® patented system to guide the pads on the chromium-plated and ground guides allows to reduce considerably the hysteresis of the caliper.

Special designed pads sliding without friction on the chromium-plated guides.





In 1997 BERINGER was innovating by creating a caliper studied and developed with input from major racing teams who already used BERINGER® braking parts. In 2002, BERINGER® has developed the **ENDURANCE AEROTEC® 6P CALIPER** to increase its performance (15 % more rigidity, mounting on forks with 90mm and 40mm center distances).

This caliper, combined with the BERINGER® Aeronal disc remains the must for over half of the Superbike and Superproduction-class field in the World Endurance Championship. Since



2004, it is also available in **4P AEROTEC® RADIAL ENDURANCE** version.

These two calipers are specifically designed with the constraints of distance racing in mind and features :

## direct mounting on original and "racing" forks

## staggered titanium pistons with magnets :

- weight savings
- constant and plane wear of the pads (compensation angles and patented AEROTEC® guides)
- Improved thermal insulation between pads and pistons as titanium is twice less heat conductive as stainless steel which allows a temperature reduction of 20 degrees Celsius which in turn reduces the risk of brake fluid boiling.
- pads remain in contact with the magnet-equipped pistons during wheel changes (the setting of the magnets allows to limit the thermal flux)



## one piece racing 'endurance' pads, 12mm thick

- improved pad life and longer stretches between pad changes

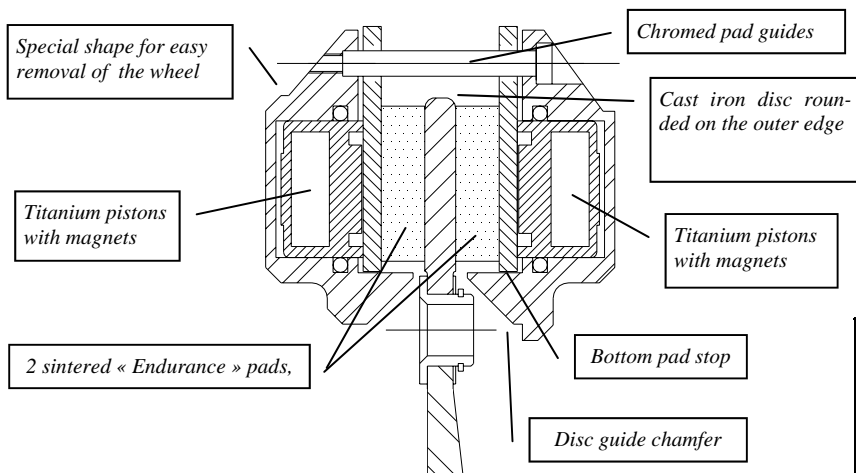
## disc guiding into the caliper when installing the wheel

→ eliminates the need for chamfering the lower edge of the pads thereby increasing the available braking surface and pad life

lower pad stops → the built-in ridge in the caliper allows to drop the pads in while ensuring a perfect positioning each time

## special section making easier the moving back of the front wheel

- The ENDURANCE AEROTEC® 6P CALIPER is available with two center distances: 40mm and 90mm
- and the 4P AEROTEC® RADIAL CALIPER is available with 108mm x 22mm



## **SPECIAL AFTER-SALE SERVICE FOR BERINGER ENDURANCE PARTS:**

- complete overhaul at the factory of the calipers, master cylinders and discs: disassembling, test, adjustment, replacement of worn parts, rebuilding, test
- individual help, advices
- help during races

**Ask for our special ENDURANCE CATALOGUE**



# Brake/Clutch systems for QUADS

patents LIGHTEC® and AEROTEC®

Official supplier



Quality and Performance

- Caliper AEROTEC®
- Radial AEROTEC® master cylinder
- Disc LIGHTEC®
- Clutch lever AEROTEC®
- Proportioning valve AEROTEC®




AEROTEC®  
PATENTS





# Brake/clutch systems for ATVs retail prices without tax

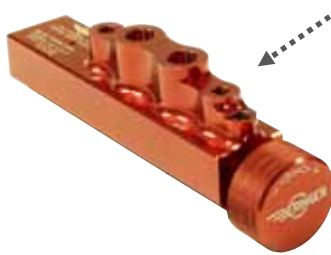
PARTS FOR ATVs	SUZUKI LTR 450	POLARIS 500 Predator	POLARIS Outlaw	YAMAHA Raptor & 450YFZ 2005	YAMAHA YFZ 2006- 2007	HONDA 400EX & 450TRX	POLARIS Sportsman		Unit price
RADIAL AEROTEC® <b>brake</b> m. cylinder with built-in reservoir (15cc) (with fluid level visual)	BRO-12-2 for twist grip throttle BRO-12-5 for trigger						CRO14		386,29
Cable <b>clutch</b> AEROTEC®	CC-2			CC-2					245,82
Hydraulic AEROTEC® <b>clutch</b> m. cylinder with built-in reservoir (15cc)			CRO-9						386,29
Option: Parking brake for new hydraulic brake master cylinder									40,00
12.7 <u>ultra-light</u> rear <b>braking</b> master cylinder : 74g entirely mounted with rod ends (aircraft quality) +bracket + screws	MCQS	MCQP	MCQP2	MCQY	MCQY	MCQH			272,16
<b>KIT RESERVOIR 15cc</b> (small reservoir + engraved solid aluminium cap with same anodise color as the master cylinder with logo BERINGER+ hose+ stainless steel bracket + aluminium spacer + bolts)	BO1								39,51
<b>Proportioning valve</b> front/rear	LIM1-FH30-S1								193,14
<b>Left front caliper</b> AEROTEC® machined from billet with pads	2S01A	2P1A	2P2A	2Y01A	2Y01A	2H01A			258,99
<b>Right front caliper</b> AEROTEC® machined from billet with pads	2S11A	2P1A	2P2A	2Y11A	2Y11A	2H11A			258,99
<b>Rear caliper</b> AEROTEC® machined from billet with pads	2Y02A	2P1A	2P1A	2Y02A	2Y02A	2P1A			258,99
<b>Front braking disc</b> floating Ø193	S1D	P1D	P1D	Y1D	Y1D	H1D			188,75
<b>Rear braking disc</b> flottant Ø193	S2D	P2D	P2D	Y2D	Y3D	H2D			188,75
<b>Bracket for rear caliper</b> with associated hardware	S004	P001	P001	No bracket direct fitting	Y008	H005			31,61
<b>Complete braking system front and rear, separated circuits</b> (3 discs, 3 calipers, 1 front m. cyl, 1 rear m. cyl with bracket, hoses, rear bracket, 1 reservoir kit)	TAS1	TAP1	TAP2	TAY1	TAY2	TAH1			1962,17
<b>Complete integral braking system</b> (3 discs, 3 calipers, 1 front m. cyl, 1 rear m. cyl with bracket, proportioning valve, rear bracket, hoses)	TAIS1	TAIP1	TAIP2	TAIY1	TAIY2	TAIH1			2131,61
<b>Hoses: front bundle</b>	HOFS1	HOFP1	HOFP1	HOFY1	HOFY2	HOFH1			71,99
<b>Hoses: rear bundle</b>	HORS1	HORP1	HORP1	HORY1	HORY2	HORH1			35,99
<b>Hoses: complete bundle for integral braking system</b>	HOIS1	HOIP1	HOIP1	HOIY1	HOIY2	HOIH1			143,1
<b>Braking and clutch electrical switch kit</b>	CS1								3,51
<b>Braking pads</b> AEROTEC® for BERINGER caliper : semi racing (enduro, road) (patented)	1158S1								39,51
<b>Braking pads</b> AEROTEC® for BERINGER caliper : racing (superquader) (patented)	1158R2								39,51
<b>lever</b> for BERINGER AEROTEC® master cylinder	LEVER-2 for BRO-12-2 or LEVER-5 FOR BRO-12-5								115,8
<b>lever</b> for BERINGER AEROTEC® cable clutch	LEVIERCC-2								115,8
<b>Repair kit</b> for BERINGER AEROTEC® CALIPER (all parts except the aluminium body)	KITREPAEQ								39,51
<b>Repair kit</b> for BERINGER AEROTEC® master cylinder: all parts except the aluminium body)	REPKITBRO-12								109,74

**WARNING:** diameters of BERINGER discs are not original ones.  
BERINGER calipers must be mounted with BERINGER discs only.

**FINISH of the parts:** RED ANODISE is the standard colour for QUAD parts.

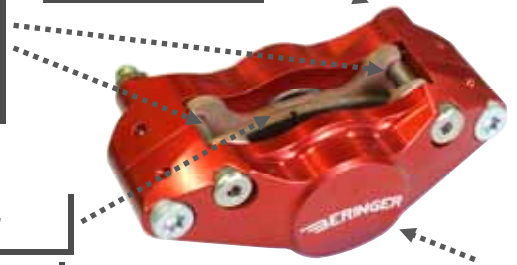
# Brake/clutch systems for ATVs

Adjustable proportioning valve (low hysteresis) for balanced braking



The patented AEROTEC® brake pad guiding system uses chrome-plated guides to considerably reduce the caliper hysteresis and brake pad drag.

Radial mounting



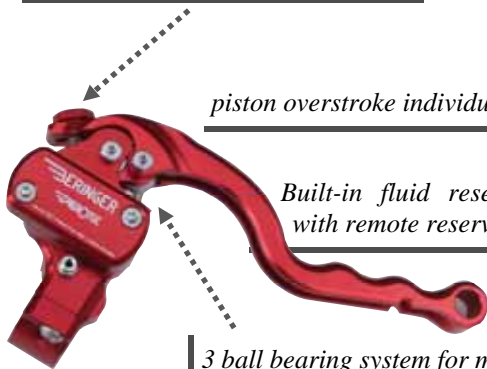
Patented AEROTEC® sintered pads



Stainless steel pistons for thermal insulation of the caliper (available in titanium)

Thumb wheel to adjust lever reach

Rear master cylinder: it is designed to be mounted in series with a front master cylinder and a pressure limiter/proportioning valve (linked braking system).



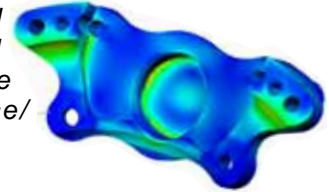
piston overstroke individually optimized in the factory

Built-in fluid reservoir (also available with remote reservoir)

3 ball bearing system for minimum hysteresis

3D FEM

The brakes are optimized with a powerful 3D FEM software guaranteeing the optimum performance/weight ratio.



## Plumbing diagram of the ATV linked braking system

Plumbing diagram of the integral braking system for QUADS

Brake master cylinder BRO-10

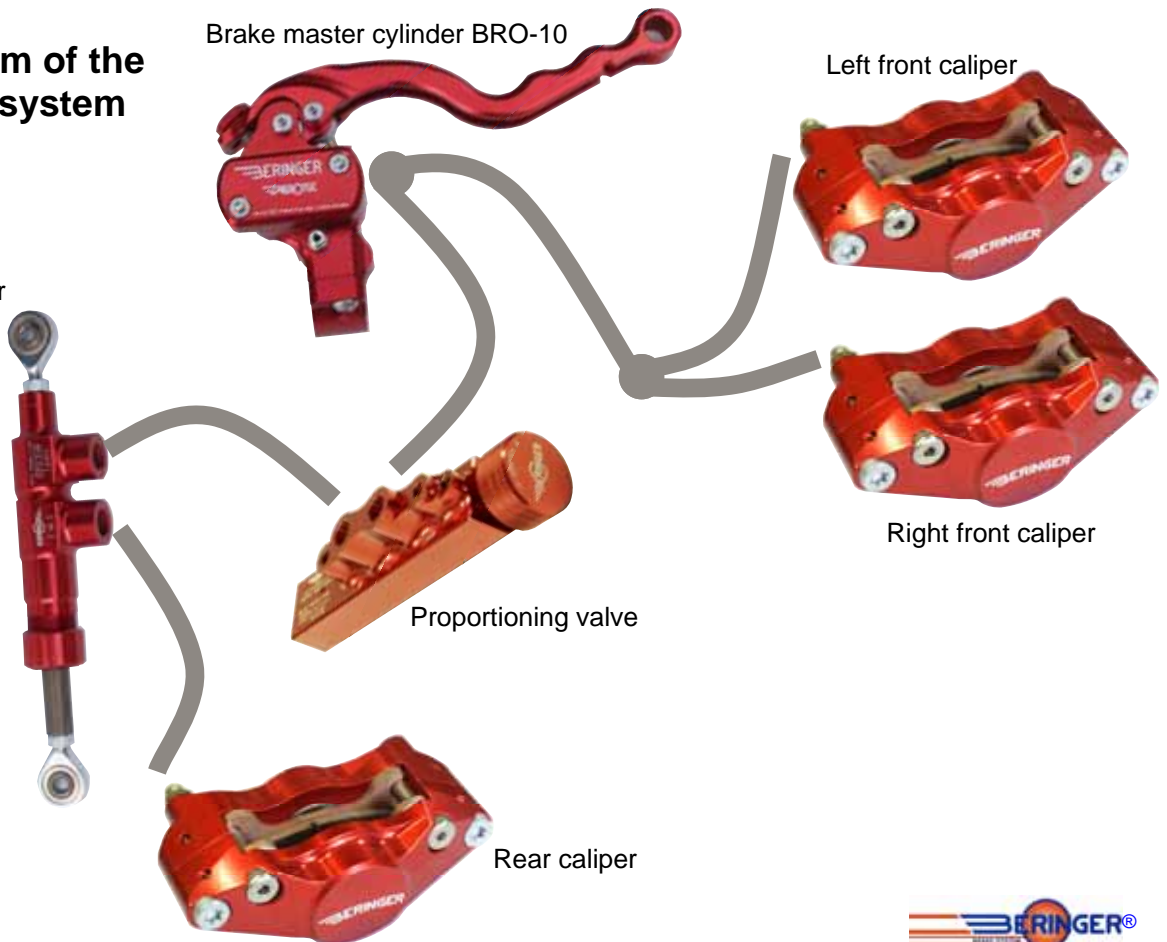
Left front caliper

Rear master cylinder

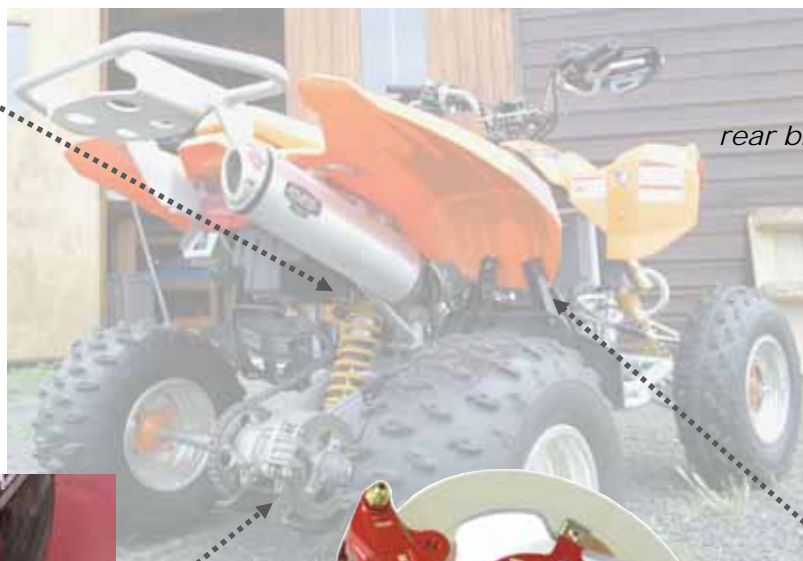
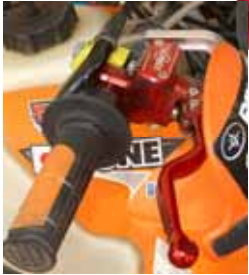
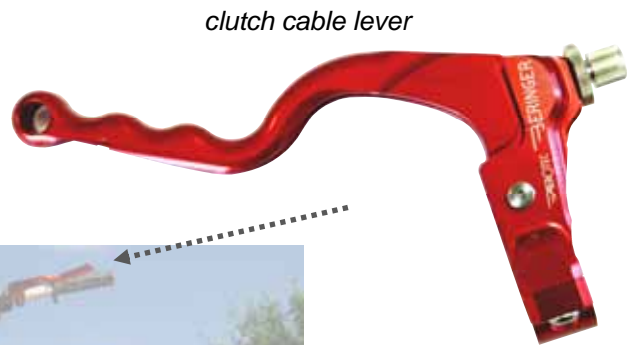
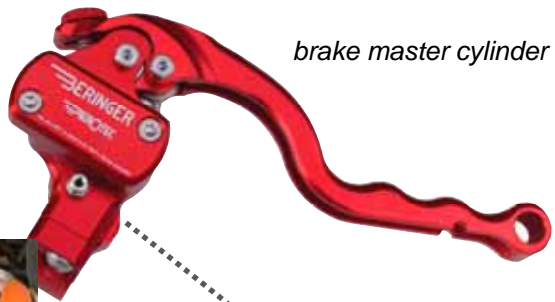
Right front caliper

Proportioning valve

Rear caliper



# Brake/clutch systems for ATVs



rear brake master cylinder



disc + caliper + bracket





# An advanced technology: the COMPETITION

**Stéphane Morin**  
FRA



**Jeremie Warnia**  
FRA



**Yannick Sartoretto**  
FRA



**Romain Couprie** FRA



**Yoan Ciclet**



**Jean Michel Abfalter**  
FRA



**Mathieu Ternynck**  
FRA



**Team LIGIER**  
FRA



**Betty Kraft**  
1st woman in quad  
Dakar 2009



**Mathieu Bonnard**  
FRA



Photo Polaris/Maindru