

GEMMA
HYDRAULIC BRAKES

Hydraulic brake

professional manufacturer

www.gemma.com.tw





GEMMA

HYDRAULIC BRAKES

Quality
Integrity
Efficiency

GEMMA is a professional hydraulic disc brake brand manufacturer which was registered in Taiwan, including professional developing and sales teams. Major sales' markets are in USA / CANADA / EU / AUSTRALIA / NEW ZEALAND.

Our company owns a state-of-the-art production line and testing equipment, in order to ensure quality, each batch of products will go through repeated inspection, testing and debugging, it can solve the rationing problem of market demand and greatly improve the trouble caused by hydraulic brake to customers, at present, it can fully meet the delivery requirements of customers.

GEMMA insists on continuous technological innovation to create value for customers, it owns GA-900 , GA-1000 and 2022 new model G3 " 4 pistons" hydraulic disc brakes.

GEMMA all products' hoses are made in Jagwire. Quality assurance

GEMMA's current global agents are located in CANADA, FRANCE , POLAND , ITALY and SWEDEN.

G3

2022 New Type

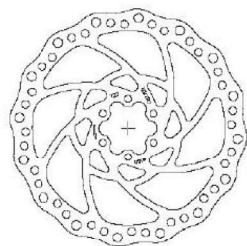
Four-Piston

professional hydraulic disc brake
especially for off road / moped type ELECTRIC BIKE

Sintered Pad



G11



G180



2.3mm

SYSTEM

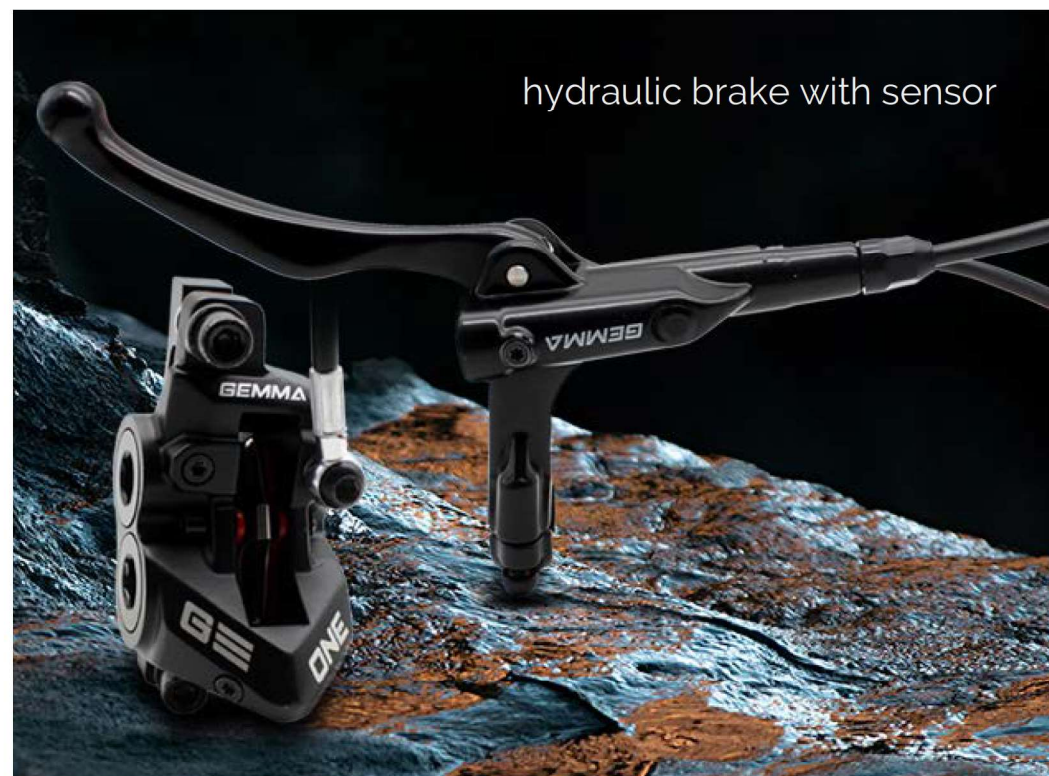
Open system, 4-piston
Recommend for e-bike with mid-motor
Easy installation, adjustment and maintenance
be good braking effect for bikes with large torque and strong power

CALIPER

4-Piston, Forged Aluminum body
Free angle of hose connector for varied frames
Easy installation & maintenance from top
Finish : Black

WEIGHT

Front wheel - 395 grams / Rear wheel - 301 grams
(Exclude rotor, adapter & mounting bolts)



LEVER

Forged aluminum lever / Cast aluminum bracket
I-Spec II & Matchmaker compatible
Reach adjustment
Two pieces hinged bracket
4 finger blade
Finish : Black

ROTOR

Wave type (G180), 2.3mm thickness
High heat dispersion & heat tolerance
Diameter : Ø180mm
Also available : Ø203mm

PADS

Durable and high performance sintered pad
Replacement : Ceramic/Resin

G3-1

2022 New Type

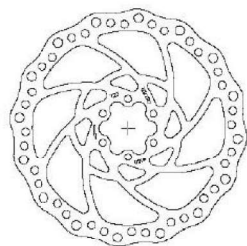
Four-Piston

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SYSTEM

Open system, 4-piston
Recommend for e-bike with mid-motor
Easy installation, adjustment and maintenance
be good braking effect for bikes with large torque and strong power

CALIPER

4-Piston, Forged Aluminum body
Easy installation & maintenance from top
Finish : Black

WEIGHT

Front wheel - 251 grams / Rear wheel - 271 grams
(Exclude rotor, adapter & mounting bolts)



LEVER

Forged aluminum lever / Cast aluminum bracket
I-Spec II & Matchmaker compatible
Reach adjustment
Two pieces hinged bracket
4 finger blade
Finish : Black

ROTOR

Lightweight airflow type (G180)
High heat dispersion & heat tolerance
Diameter : Ø180mm
Also available : Ø203mm

PADS

High performance metal ceramic compound
Replacement : Sintered/Resin

GA-1000

hydraulic brake with sensor



Caliper : Aluminum Forged

Lever : 3.Fingers

Adapter : IS mount and POST mount

Rotor : 140mm--180mm

Material : aluminum Alloy

Pads : Semi-metallic compound(standard)

Ceramic (made in china)

Resin (imported from Taiwan)

Finish : Black

Net Weight : 315 g/set

oil hose : length can be customized

Brake sensor : waterproof two pins cable / normal SM-2A

GA-1000D

hydraulic brake with sensor



Caliper : Aluminum Forged
Lever : 4Fingers
Adapter : IS mount and POST mount
Rotor : 140mm--180mm
Material : aluminum Alloy

Pads : Semi-metallic compound(standard)
Ceramic (made in china)
Resin (imported from Taiwan)
Finish : Black
Net Weight : 325g/set
oil hose : length can be customized
Brake sensor : waterproof two pins cable / normal SM-2A

2022 New Type

GA-2000



SYSTEM

Open system, Dual piston
Designed for recumbent or 3 - wheel cargo bikes
Easy installation, adjustment and maintenance

CALIPER

Forged Aluminum body
Easy pads replace from top
Finish : Black

WEIGHT

529 grams / set
(Exclude rotor, adapter & mounting bolts)



LEVER

Forged aluminum lever / Cast aluminum bracket
Adjustable angle reservoir tank
Lock Device Mechanism
Reach adjustment

Two pieces bracket
4 Finger blade
Finish : Black

ROTOR

Round type (G160)
High heat dispersion & heat tolerance
Diameter : Ø160mm
Also available : Ø180mm
Weight : 118 grams

PADS

High performance metal ceramic compound
Also available : Sintered Pad(ALLTS)

GA-900

hydraulic brake without sensor



Caliper : Aluminum Forged

Lever : 3.Fingers

Adapter : IS mount and POST mount

Rotor : 140mm--180mm

Material : aluminum Alloy

Pads : Semi-metallic compound(standard)

Ceramic (made in china)

Resin (imported from Taiwan)

Finish : Black

Net Weight : 305g/set

oil hose : length can be customized

GA-900D

hydraulic brake without sensor



Caliper : Aluminum Forged

Lever : 4Fingers

Adapter : IS mount and POST mount

Rotor : 140mm--180mm

Material : aluminum Alloy

Pads : Semi-metallic compound(standard)

Ceramic (made in china)

Resin (imported from Taiwan)

Finish : Black

Net Weight : 305g/set

oil hose : length can be customized

GA-950

hydraulic brake without sensor



Caliper : Aluminum Forged
Lever : 3.Fingers
Adapter : IS mount and POST mount
Rotor : 140mm--180mm
Material : aluminum Alloy

Pads : Semi-metallic compound(standard)
Ceramic (made in china)
Resin (imported from Taiwan)
Finish : Black
Net Weight : 305g/set
oil hose : length can be customized

GA-500

hydraulic brake without sensor



Caliper : Aluminum Forged

Lever : 3.Fingers

Adapter : IS mount and POST mount

Rotor : 140mm--180mm

Material : aluminum Alloy

Pads : Semi-metallic compound(standard)

Ceramic (made in china)

Resin (imported from Taiwan)

Finish : Black

Net Weight : 316g/set

oil hose : length can be customized



GA-5D

For E-bike

Lever: 4. Fingers & rubber grip

Integrated bell

Adjustable sensor control designed

Cast aluminum lever & bracket

Left hand side

Material: aluminum Alloy

Finish: Black / Silver

Weight of one piece: 143g

GA-2D

For E-bike

Lever: 4 Fingers

Material: aluminum Alloy

Finish: Black

Weight of one piece: 105g

Adjustable sensor control





GA-320

For Folding Lithium Battery E-Bike

FEATURES

1. Mechanical Disc Brake
2. Two-piece, Die-casting alloy caliper body
3. Specially designed for folding Lithium battery E-bike
4. Metal ceramic compound available according to the durability requirements of the pad
5. For a comfortable distance of handle bar and short distance braking effect, A 3.5~4 fingers electric control lever with 20-25mm distance of travel is required ceramic compound available according to the durability requirements of the pad

Weight: F:210g R:213g

Rotor: F: Φ 203/ Φ 180/ Φ 160/ Φ 140

R: Φ 180/ Φ 160/ Φ 140

Note: 51mm dimension for IS Mount

74.2mm dimension for Post Mount



GA-730

For E-Bike

FEATURES

1. Mechanical Disc Brake
2. Two-piece, Die-casting alloy caliper body
3. Suitable for Lithium battery E- bike electric bicycle
4. Multi-layer internal drive structure, effectively increase the braking force
5. Metal ceramic compound available according to the durability requirements of the pad

Weight: F:222g R:226g

Rotor: F: Φ 203/ Φ 180/ Φ 160/ Φ 140

R: Φ 180/ Φ 160/ Φ 140

Note: 51mm dimension for IS Mount

74.2mm dimension for Post Mount

GA-610

FLAT MOUNT



A1

F: $\Phi 160/\Phi 140$



A2

R: $\Phi 160$



FEATURES

1. Mechanical Disc Brake
2. Flat mount for Road Bike
3. Two-piece design, Die-casting alloy caliper body
4. Multi-layer internal drive structure, effectively increase the braking force
5. Compatible with 160mm and 140mm rotor only

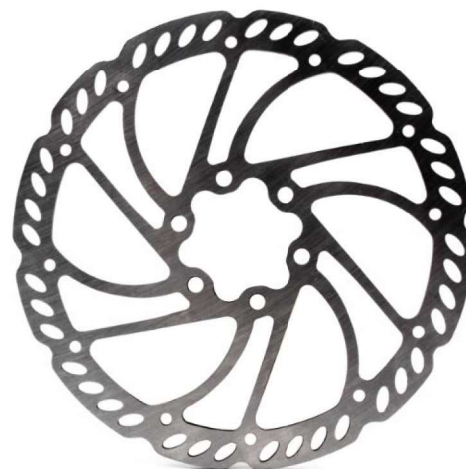
Weight: 157g

Rotor: F: $\Phi 160/\Phi 140$

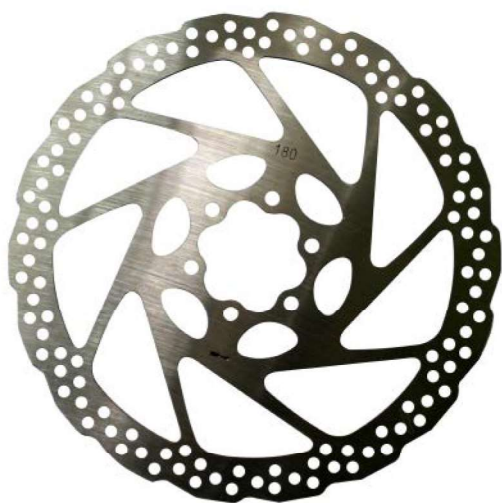
R: $\Phi 160/\Phi 140$



BR-160 Φ 160mm
BR-180 Φ 180mm



AR-160 Φ 160mm
AR-180 Φ 180mm
AR-203 Φ 203mm



CR-160 Φ 160mm
CR-180 Φ 180mm



DR-160 Φ 160mm
DR-180 Φ 180mm



G-1



G-2



G-3



G-4