

SUNSTAR

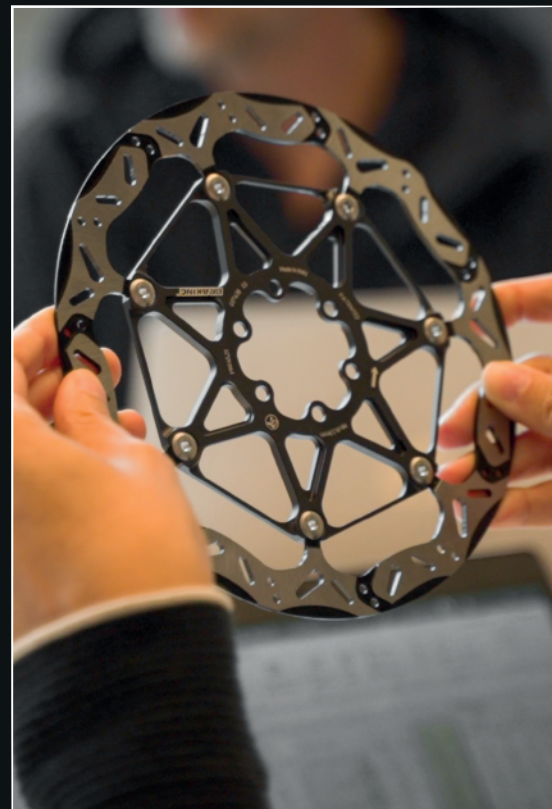
***BRAKING***

SUNSTAR  
**BRAKING**



**Sunstar Engineering Europe GmbH**  
*Via Luciano Manara, 2 - 20812 LIMBIATE MB - ITALY*

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**BRAKING**



**Sunstar Engineering Europe Gmbh**  
*Via Luciano Manara, 2 - 20812 LIMBIATE MB - ITALY*

*The braking system is a primary component in every motorcycle. Its role is crucial to the bike's performance and safety through the complex interaction of materials, shapes, and weights. Among the world leaders of brake disks, there is Sunstar Engineering Europe GmbH. Through very high quality and Italian engineering expertise, the company secured 133 world championships in Supersport, Superbike, Motocross, Supercross, and Enduro with their Braking brand products. The brand was born in 1990 in the Brianza area of Italy as a production company of aftermarket disc brakes. Today, the international Braking brand is appreciated by experts in the motorcycle sector, continuing to add championships to its impressive motorsports heritage.*

*In 1998, Braking industrialized a revolutionary brake disk concept, the first non-round motorcycle brake rotor in history (known by the fans as a "Wave disk"). The idea of a Wave disk helped to solve some typical problems that occurred with round disks during Motocross races. But they immediately understood that the market appreciated these disks not only for their performance but especially for their unusual style. Braking signaled the beginning of a new age for brake disks, products that combined style and performance.*

*In 2004, Sunstar, a Japanese multinational company and global leader of brake disks supplying motorcycle original equipment manufacturers, acquired the Braking company and brand to reinforce Sunstar's position in the aftermarket and motorsports. The conclusion of this fusion was the formation of Sunstar Engineering Europe, establishing them as a world leader of motorcycle braking systems and current holder of the Braking intellectual property.*

*Sunstar's rationalization of production processes brought a relocation of less sensitive products while maintaining Italy as a center of manufacturing and engineering excellence. In Sunstar Engineering Europe, 20 employees produce sales of 15 million EUR per year distributed in more than 50 countries. Every Braking product is engineered in Limbiate, Italy, by Sunstar Engineering's staff in compliance with the requirements of all application users – motocross, road, enduro, race, and bicycle. Engineered and made in Italy remain a vital part of the company's DNA.*

*Today, by market request, Sunstar Engineering Europe continues to incorporate new products into its lineup, including complete brake systems, disk rotors, brake pads, brake system hydraulic components, gears, chains, sprockets, and drive sprockets.*



1990 > *Braking has been established in 1990 for the purpose of manufacturing and selling brake disks for the after-market.*

1998 > *Braking launches the first WAVE® disk in trial racing.*

1999 > *Braking starts commercial activities in Germany.*

2000 > *Braking starts commercial activities in USA.*

2000 > *Braking is certified under the regulation “UNI EN ISO 9002”*

2000 > *Braking launches the first WAVE® disk for after market.*

2000 > *Braking reaches 25 world title victories*

2000 > *Braking moves to the Briosco site.*

2001 > *Braking launches its perimetral kit to after market.*

2002 > *Braking launches the first BATFLY® disk in off road racing.*

2004 > *Braking is certified under the regulation “UNI EN ISO 9001”*

2004 > *Braking enters the Sunstar family*

2005 > *Kawasaki introduce a WAVE® disk as original equipment to its street applications*

2005 > *Braking reaches 50 world title victories*

2005 > *Braking and Sunstar Engineering Europe merge into Braking-Sunstar SPA*

2006 > *Braking launches wheel business in cooperation with OZ*

2007 > *Braking launches the first KRINOX racing disk*

2008 > *Braking launches the first OPEN PIN disk*

2009 > *Braking launches the first CAM CONTROL master cylinder*

2010 > *Braking reaches 78 world title victories*

2010 > *Braking launches the first range of WAVE® disks and pads for downhill bicycle*

2013 > *Braking reaches 92 world title victories*

2014 > *Braking reaches 96 world title victories and moves to the current Limbiate side.*

2016 > *Braking reaches 110 world title victories*

2017 > *Braking reaches 113 world title victories*

2018 > *Braking launches the new products for bicycle and reaches 119 world titles victories*

2019 > *Braking reaches 122 world titles victories*

2020 > *Braking launches the new MTB complete system INCAS 2.0*

2021 > *Braking reaches 133 world racing titles*

2022 > *Braking reaches 140 world title victories*

2022 > *Braking launches the new on road rotor Epta stage 0*

2022 > *Braking launches the new MTB stage 0 rotor*

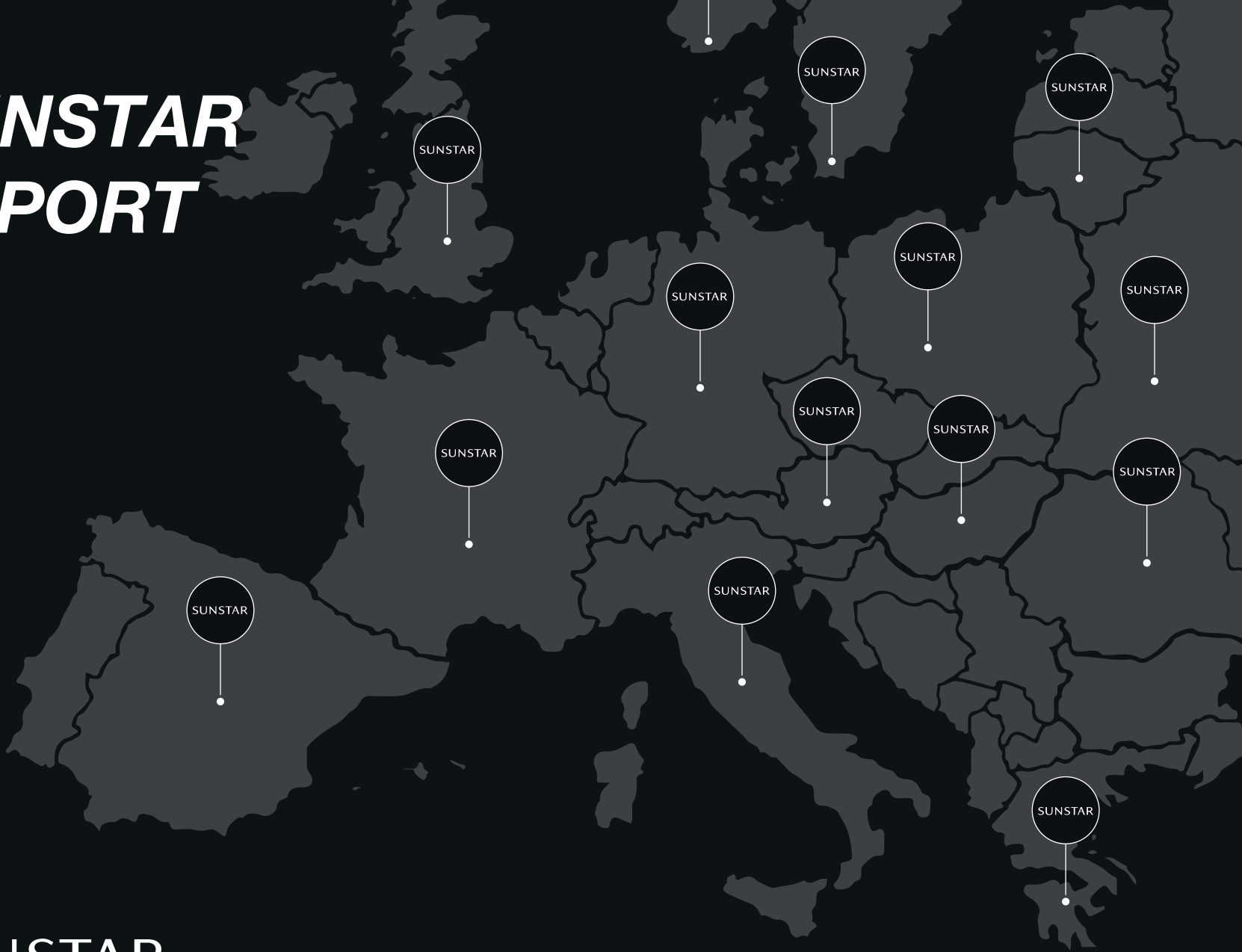
2022 > *Braking launches the new onroad rotor for bicycle LightWave*



# ***BRAKING EXPORT***



# SUNSTAR EXPORT



SUNSTAR

SUNSTAR  
**BRACING**

*Always on top*



RACING TITLES

**140**

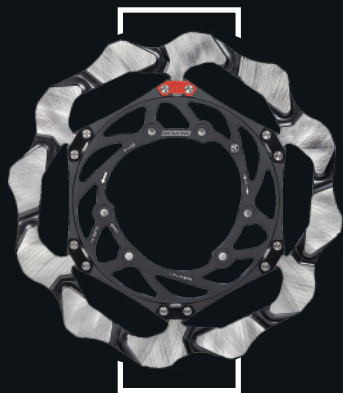




SUNSTAR  
**BRAKING**

**BRAKING DISCS**  
**OFF ROAD**

**BRAKE DISC BATFLY  
EPTA FRONT**



**BRAKE DISC BATFLY  
SEMI-FLOATING 3 PINS FRONT**



**BRAKE DISC WAVE  
FIX FRONT**



**BRAKE DISC WAVE  
FIX REAR**



**BRAKE DISC WAVE  
FULL FIX REAR**



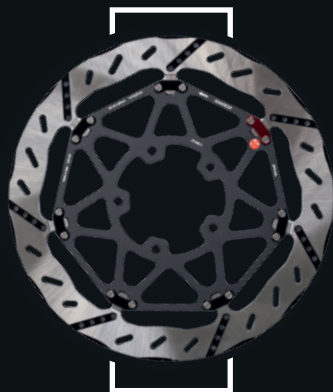
**BRAKE DISC BATFLY  
SERIES REAR**



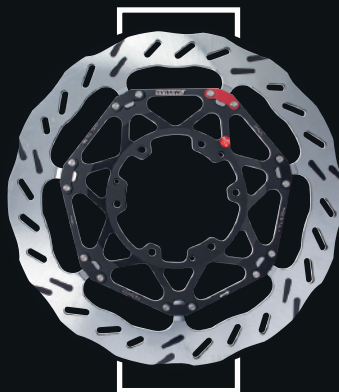
SUNSTAR  
**BRAKING**

**BRAKING DISCS  
ON ROAD**

**BRAKE DISC  
EPTA STAGE 0**



**BRAKE DISC  
EPTA FRONT**



**BRAKE DISC SK2 WAVE  
FLOATING FRONT**



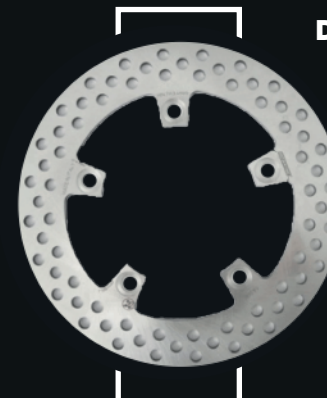
**DISC FLOATING  
STX FRONT**



**DISC WAVE FIX  
REAR**



**DISC ROUND  
FIX REAR**





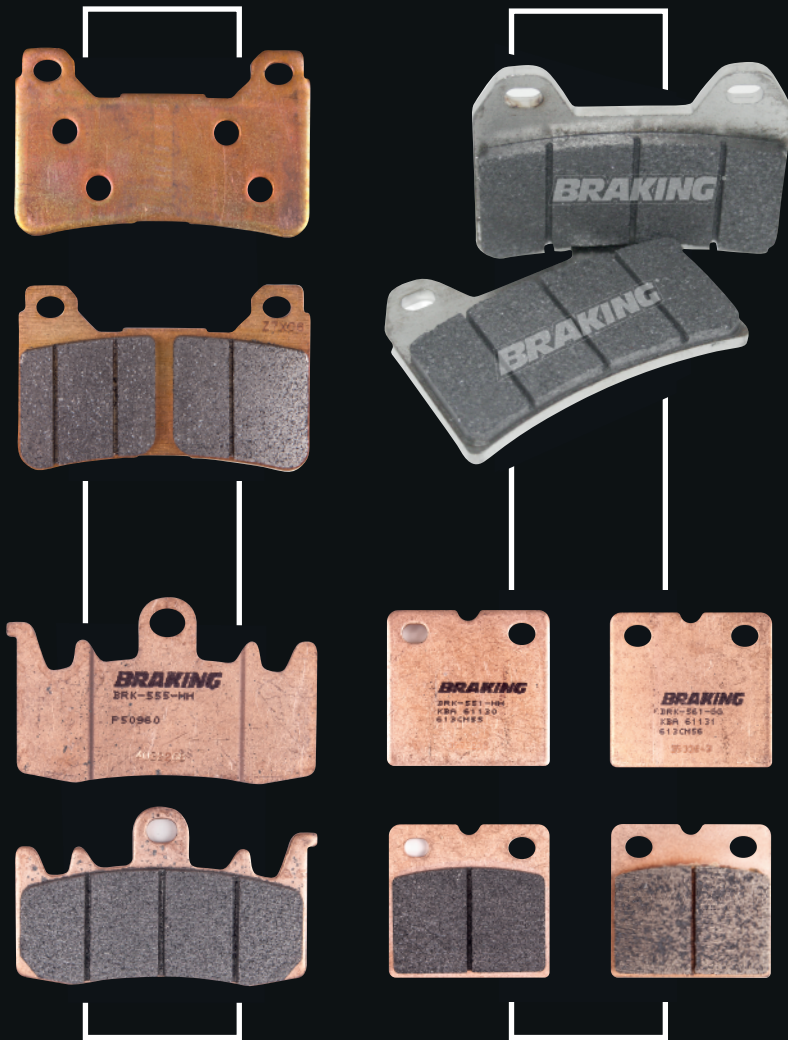
## RADIAL MASTER CYLINDER RS-B1

AVAILABLE: Ø 19-16-13

The entry level radial master cylinder with full machined lever system. It comes in Ø13, Ø16 and Ø19.

<b>SERIES &gt;</b>	RS-B1
<b>DESCRIPTION &gt;</b>	M-CYLINDER BRAKE FRONT CAST
<b>PART NO. &gt;</b>	MC3601 (Ø13); MC9601 (Ø19); MC6601 (Ø16) MC9603 (Ø19); MC6603 (Ø16)
<b>CHARACTERISTICS &gt;</b>	<ul style="list-style-type: none"><li>• RADIAL TYPE</li><li>• SILVER FOLDING LEVER FULLY MACHINED (MC9601-MC6601-MC3601)</li><li>• MULTI-ADJUST BLACK BRAKE LEVER (MC9603-MC6603)</li><li>• OIL RESERVOIR INCLUDED</li><li>• SWITCH STOP (DON'T FIT ON BMW MODEL) AND MIRROR CONNECTION INCLUDED</li></ul>
<b>ACCESSORIES &gt;</b>	TX - RX LINES & FITTINGS MULTI-ADJUST LEVER (PART NO.: KR0106R) LEFT REMOTE CONTROL (PART NO.: KR0024)

# SUNSTAR **BRAKING**



## **BRAKING PADS**

*The combination of pads and disks creates the clutch system that represents the performance fulcrum in the brake world. BRAKING® offers a wide range of compound that together with the different disks can satisfy every need.*

*Every products of the BRAKING® pads range follows a precise division to make easy the customer choice. Easy choice to obtain a better performance, in dry or wet conditions, hot or cold amind maintain it ovet time.*

*Range of more than 10 compounds produced, by the best Japanese and European experts, from the sintered to the semi-metallic tecnology.*



# SUNSTAR

## SUNSTAR SPROCKETS



REAR  
SPROCKET  
STEEL



WORKS-Z REAR  
SPROCKET  
STEEL



DRIVE  
SPROCKET



REAR  
SPROCKET  
ERGAL



WORKS-Z REAR  
SPROCKET  
STEEL BLACK



SUNSTAR  
TRANSMISSION KIT

SUNSTAR  
**BRAKING**



# BRAKING BICYCLE ELEMENTS



**CARBO-METALLIC PAD**



**ORGANIC PAD**



**RACE PRO TOUR ROAD PAD**



**RACE WORLD CUP PAD**

## ORGANIC PAD

*Semi-metallic organic versatile pad. Excellent braking at low temperatures, extremely low pad noise, and good compromise between wear and sensitivity.*

## ROAD PAD – PRO TOUR ROAD

*A new pad expressly dedicated to the ROAD world and designed together with our professional riders. It allows excellent braking performance and quietness at all temperatures and a longer life than standard. Recommended for road and gravel use.*

## OFF ROAD PAD - WORLD CUP

*A new pad with a compound developed specifically to ensure excellent performance on the most difficult terrain. Great for enduro, downhill and e-bikes.*

SUNSTAR  
**BRAKING**



**BRACING BICYCLE  
ELEMENTS**

**LIGHTWAVE**



**EPTA STAGE 0**



**S3 BATFLY**



**WFIX BATFLY**



**WFIX**

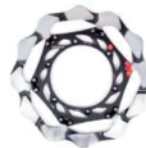




**BRAKING WEB SITE**



AZIENDA   PRODOTTI ▾   DISTRIBUTORI   OUTLET   TEAM & PILOTI ▾   DOWNLOAD ▾   CONTATTI   CATALOGO   🔍



SUNSTAR  
**BRAKING**  
EPTA OFF-ROAD DISC

**NEW LAYOUT  
EASIER AND INTUITIVE**

←  
**4 banners  
4 categories**



**Jeremy Seewer**  
Team Monster Energy  
Yamaha Factory racing



**Ben Watson**  
Team Monster Energy  
Yamaha Factory racing



**Glenn Goldenhoff**  
Team Monster Energy  
Yamaha Factory racing

→  
**4 banners  
4 categories**



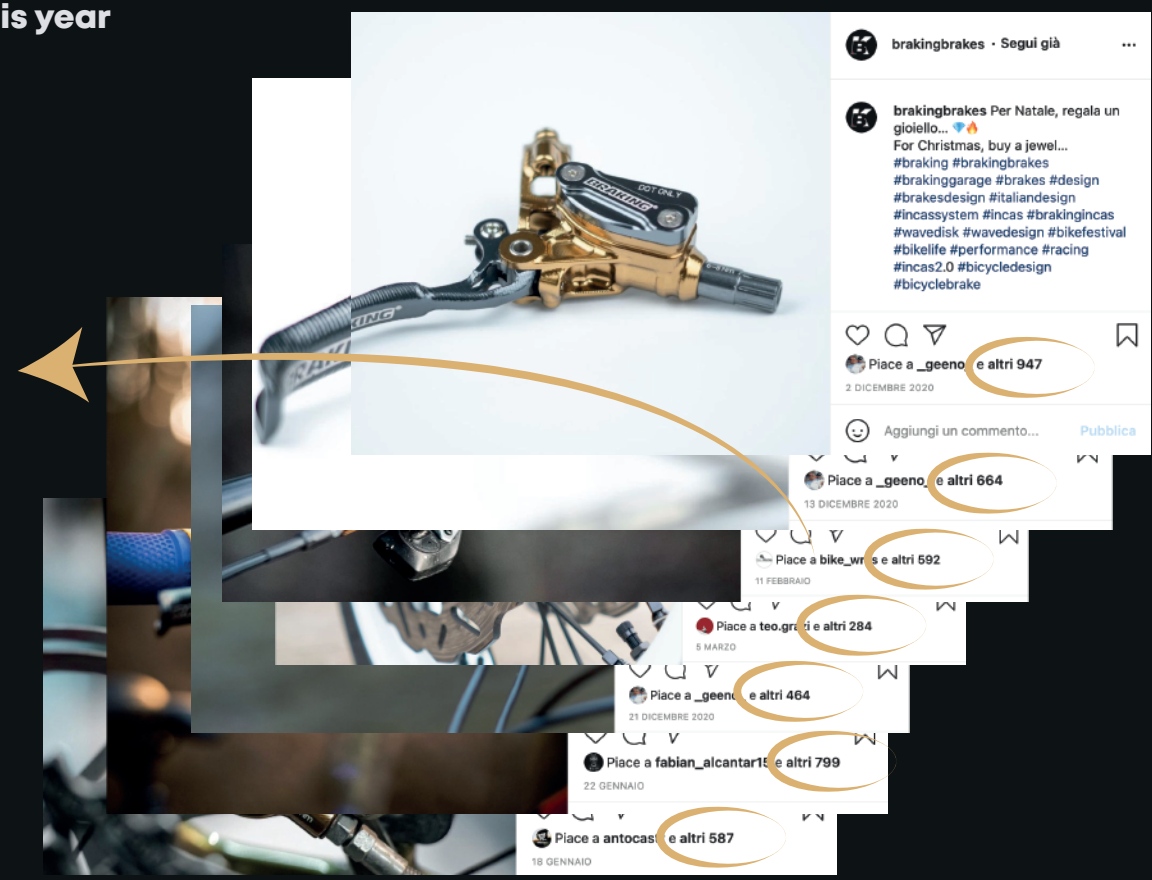
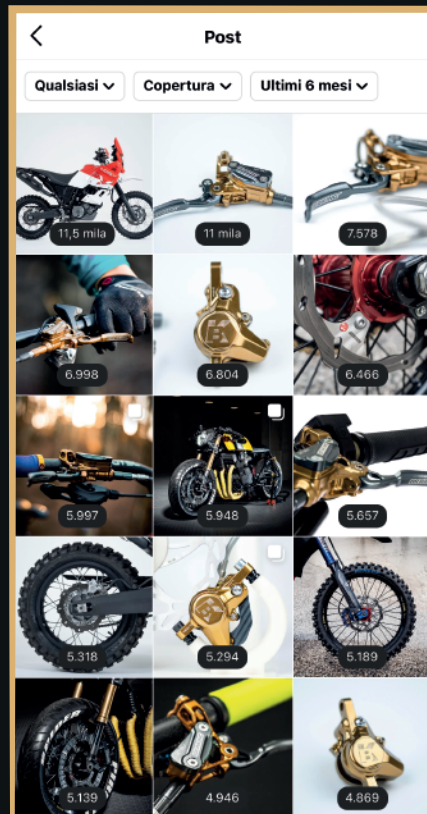
# SUNSTAR **BRAKING**

# SOCIAL MEDIA INSIGHTS



**OUR BEST SOCIAL**  
Excellent analytics during this year

## SOCIAL NETWORK



SUNSTAR  
**BRAKING**



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