

Motorsport Wheels Catalogue 2018



BRAID

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The Fullrace and its technology is a compendium of all Braid's experience in competition throughout the years.

The Flowcast technology allows a suitable arrangement of the aluminium alloy structure increasing its mechanical characteristics, resulting in a lighter wheel, more resistant and a higher capacity of deformation at very strong impact, avoiding cracks.

The microwave profile on the inner rim flange developed by Finite Elements increases the stiffness on this area, while computer aided design work is completed with spokes dimensional optimization adding extra strength.

In short, it's a technological cutting-edge wheel with less weight and strong resistance.



FULLRACE B
7" x 14"
Gravel, Rally raid



FULLRACE N
5" x 15"
Snow, Ice



FULLRACE TR
6" x 15"
Gravel, Tarmac



FULLRACE TA **New!!!**
New 6"x15" Gravel, Tarmac
6 1/2" x 15", 7"x15"
Tarmac



FULLRACE T ACROPOLIS
6 1/2" x 15", 7" x 15"
Gravel



FULLRACE MAXLIGHT
7" x 15", 8" x 15"
Tarmac, Circuit



FULLRACE A
7" x 16" Tarmac
8" x 16"
Tarmac, Rallycross



FULLRACE T DAKAR
7" x 16"
Gravel, Raid 4x4



FULLRACE R
7" x 17"
Tarmac



FULLRACE A
7" x 17", 8"x17"
8"x18", 9"x18", **New 10"x18" New!!!**
Tarmac, Circuit

Fullrace A 8"x18" in dark grey colour only available from ET +10 to +70

BRAID



FULLRACE AC
10" x 18", 11"x18"
Tarmac, Circuit



FULLRACE A RALLYCROSS
8" x 17", 8"x18"
Irregular tarmac, Rallycross



FULLRACE A
Twin PCD option



FULLRACE A
Lightweight option

Available in all Fullrace sizes

Fullrace FlowForming

Flow Forming is the most advanced cast manufacturing technology to enter our racing wheel catalogue.

This process stretches and compresses the aluminium, increasing tensile strength and resulting in a cast wheel with properties near to those found in a forged wheel.

The result is lighter, stronger, with increased elongation to absorb greater impacts without breaking, as well as an increased load capacity over regular cast wheels.

Resuming, BRAID's Fullrace FF is a unique solution to a common enigma, how to make a wheel both very light and very strong.

Sizes: From 8"x18" to 13"x18" in 1/2" by 1/2"

flowforming technology



FULLRACE FF
Tarmac, circuit



Winrace

Monoblock wheel specially designed for competition. It is made with light alloy aluminium, heat treated for maximum resistance and low weight, accurately CNC machined to the required specifications.

These are provided with steel washers at the PCD fixing holes to resist continues wear, and direct centering holes.



WINRACE A
6" x13" Gravel
6" x 13", 7" x 13", 8 1/2" x 13"
Tarmac, Circuit

WINRACE TA
6" x 14"
Tarmac, Gravel

WINRACE N
5" x 16"
Snow, Ice

WINRACE N LARS
5 1/2" x 16"
Snow, Ice

WINRACE A
6 1/2" x 16", 7 1/2" x 16"
Tarmac



WINRACE T
7"x16"
Gravel, Raid 4x4

WINRACE T
7 1/2"x17"
Gravel, Raid 4x4

WINRACE T
8"x18"
Gravel, Raid 4x4



TCT Monoblock

The TCT (Techno Cast Technology) is a manufacturing technique only available in BRAID. It consists in fabricate cast wheels (Fullrace & Winrace) in any width without need of large orders, in very short time. It is manufactured under order only.

Available in diameter 13" to 18" and width from 4" to 13", in 1/2" by 1/2".



The Forged concept is the ultimate and peak of our racing wheels technology, surpassing the most stringent manufacturing knowledge, for an even higher performance, driving dynamic and structural integrity.

The mechanical and physical characteristics of a forged wheel are equally distributed throughout, on a molecular level, resulting in far greater strength and stiff with extremely weight reduction, improving immensely the performance of the wheel when faced with impacts and high levels of load stress.

**FORGED I +****FORGED SEVEN +****FORGED R****FORGED I****FORGED GT****FORGED FIVE****FORGED SEVEN****New!!!****New!!!****New!!!****Sizes**

Diameter:

13" to 22"

Width: 4 1/2" to 15"

in 1/2" by 1/2"

Application: circuit

**Forged Rallycross**

It is an Ultra-Light wheel to comply with FIA Rallycross Championship minimum weight, maintaining high stiffness and durability to endure the exceptional rallycross demands.
Size: 8"x17"

**Forged I Rally**

Asphalt rally wheel with hollow and spherical milling spokes in I-Beam structural shape to increase its resistance and performance, keeping the ultra-low weight characteristics of a forged wheel.

Sizes: from 8"x18" to 13"x18" in 1/2" by 1/2"



CAST FORGED

Continued involvement with leading edge technology and race performance is enabling us to rapidly increase the range of competition wheels covering our customer's demands.

This new technology Made-in-Braid, combines simultaneously Cast and Forged technologies, exploiting both method advantages, interacting the best of each techniques to create an advanced wheel, for tarmac and circuit application.

The Finite Elements and Computer Aided Design helped us to increase the stiffness and to reduce the weight, optimizing this wheel without compromising the strength.

Sizes: from 4"x13" to 15"x13" in 1/2" by 1/2"



Serie 1R



Serie 1FR



Serie 1FMR

3 part wheels made in light aluminium alloy with heat treatment. All widths and offsets possible.

Sizes:

Diameter: 13" to 22"

Width: 4 1/2" to 15"



Serie 6R



Serie 6FR



Serie 6FMR



Serie GT

Diameter: 16", 17", 18".

Width: 4 1/2" to 15".

Classic Concept



Serie 1RC



Serie 2RC

Sizes: Diameter: 10", 13", 14", 15". Width: 4 1/2" to 15"



Serie 4RC





FULLRACE T DAKAR
7"x16"
Gravel, Raid 4x4



FULLRACE T
6 1/2"x15", 7"x15"
Gravel, Raid 4x4



SERIE 1 R
3 pieces
Gravel, Raid 4x4

SERIE 1 R
2 pieces
Gravel, Raid 4x4

New!!!



WINRACE T 7"x16"
Gravel, Raid 4x4



WINRACE T 7 1/2"x17"
Gravel, Raid 4x4



WINRACE T 8"x18"
Gravel, Raid 4x4

- Anthracite colour
- Dark grey colour
(Only from ET0 to ET+59)



Forged 4x4



BRAID's heritage and engineering delivers the latest Forged 4x4 wheels made from aerospace grade forged aluminium alloy and optimized for performance and durability. Forged 4x4 wheels are stronger than regular cast wheels, and do not have any "voids" or air pockets that weaken the aluminium structure. Designed, engineered, and manufactured to and for high standard races. These are truly the pinnacle in strength-to-weight ratios.

Sizes: from diameter 17" to 22" and many different widths.

Beadlock A



TENRACE
BEADLOCK A



TENRACE +
BEADLOCK A



FULLRACE B
BEADLOCK A



FULLRACE T DAKAR
BEADLOCK A



WINRACE T
BEADLOCK A

Backed with years of experience in off-road 4x4 racing and aided with rigorous finite elements analysis, brings the most effective beadlock system to motorsport. The Beadlock A wheel is designed to clamp the tyre bead between the wheel itself on an outer ring. This is then bolted onto the wheel with the bead clamped between them.

List of standard wheels sizes available:

- | | |
|------------------------------------|-------------------------|
| Tenrace 5" x 10" (3+2) | Fullrace TA 8" x 15" |
| Tenrace 6" x 10" (3+3) | Fullrace T 7,5" x 15" |
| New Tenrace+ 8" x 10" (3+5) | Fullrace T 8" x 15" |
| Winrace TA 7" x 14" | Fullrace T 4x4 8" x 16" |
| Fullrace B 8" x 14" | Winrace T 4x4 8" x 16" |
| New Fullrace TA 7" x 15" | WinraceT 4x4 8,5" x 17" |
| Fullrace TA 7,5" x 15" | |



Beadlock B



The Beadlock B System is the premier ready-to-race option because of its fastest system to mount and dismount tires. Its main purposes are to (1) prevent the tire to rotate on the rim and (2) to secure the tire bead, blocking it to jump over the well.



TENRACE+
5" x 10" (3+2), 6" x 10" (3+3)



TENRACE+
8" x 10" (3+5)



TENRACE+
8" x 10" (6+2)

While maintaining all necessary structural integrity, we've been able to remove unwanted weight bringing you a Buggy Concept Wheel that means success with timeless and clean multi-spoke design. FEA testings ensures that these wheels may be light, but it will stand up to impacts just as well as all other BRAID wheels.



FULLRACE B
7"x14"
Gravel, Rally Raid



WINRACE TA
6"x14"
Gravel, Rally Raid



FULLRACE T ACROPOLIS
New 6"x15", 6 1/2"x15", 7"x15"
Gravel, Rally Raid



FULLRACE TA
6 1/2"x15", 7"x15"
Gravel, Rally Raid

The TCR was introduced in 2015 as a new and exciting global Touring Car racing championship and aimed to restore the 'Touring Car Pyramid' concept to compete at regional, national and international level.

Not only the cars looks impressive but they are capable of delivering a strong performance, while development and running costs are kept under control.

BRAID is directly involved with the series, developing, producing and delivering affordable and technically accurate wheels.

TCR minimum weight regulation is achievable with the TCR concept wheels, as well as optimum rigidity and extreme strength to improve handling and performance.



FULLRACE A TCR
10"x18"



FULLRACE AC TCR
10"x18"



FULLRACE FF TCR
10"x18"





FORMRACE 13"

BRAID delivers the latest in Formula Racing wheel designs, composites, rigid testing's that must pass stringent standards, and manufacturing process, such as Spin-Forging Technology to improve considerably the material properties and strength of the wheels.

These are very lightweight wheels, from only 2,8Kgs approx., specially designed for formula racing cars with low weight, on circuit competition.



WINRACE 13"



CASTFORGED 13"

Weight from 2,4 kg.



**TENRACE+
FSAE 10"**



STURACE 10"



STURACE 13"



WINRACE FSAE 13"



**STURACE
CARBON FIBER**

Innovation is a core value of BRAID WHEELS. The company has been involved in the Formula Student, world's most established educational motorsport competition, giving the students and young engineer graduates the opportunity to face real-life professional situations, offering our expertise and guidance, and helping them to choose the best wheels available for their needs, such as the Sturace Wheels.



The FSAE wheels are specially designed, developed and manufactured for and to Formula Student Competition vehicles. These wheels are made in size 10" and size 13", in any specification, with maximum weight reduction to meet the FSAE technical and lightweight requirements.

BRAID

**Carbon Fiber
Concept**



STURACE CARBON FIBER



Maybe our most advanced manufacturing technology yet, and obviously the lightest wheel a car can have.

Designed and manufactured using the highest carbon fiber grades and strongest resins, these wheels push the boundaries of rotation inertia, saving significant weight, without compromising strength, handling and performance.

Specially made for those Formula Student Teams that want to surpass the norms of performance with an ultimate goal in mind: to elevate their game. The Sturace Carbon Fiber wheels are available primarily in size 7x10" and in a wide range of offsets. Other widths by order.

Specially manufactured to fit classic and modern Porsche 911's, maintaining the essential of a classic design. Thanks to its engineering details, the BZ take its place as a full-fledged member of our collection, completed with racing DNA, and high quality standards typical of all our wheels. These wheels are available in diameter 15", 16", 17" and 18", in multiple widths and offset.

BZ Concept



BZ 15"



BZ 16"



BZ 17"



BZ 18"



Painted rim finish



RSR finish



BST Asphalt version

Available in 15" and 16"



BST - F



BST - R



BST - FT



BST - RT

New BRAID development to widen our classic wheel range.

Instantly recognizable, this iconic design was originally seen at the motorsport world during the eighties.

Although it was primarily made for the Group B Rally Cars, it is now available with BRAID in different widths, diameters and offsets, to suite most of the classic cars such as R5 Turbo, Lancia Stratos, Porsche 911, Audi Quattro, etc. These are available in 15" diameter for gravel rally, tarmac rally and circuit racing, and in 16" diameter for tarmac rally or circuit racing.

Sizes: Asphalt version from 6"x15" to 12"x15" and 6"x16" to 12"x16".

Gravel version from 5"x15" to 12"x15".

BST Gravel version

Available in 15"

Within our technological manufacturing facilities, BRAID has the capability to create wheels to exact customer requirements and specifications, cast and forged, for small series production. This capability extends to one-off wheel design for prototype and pre-production vehicles, as well as designed studio concept cars. For all the vehicle production stages, from the most aesthetic and primary stage of conception, through technical development, to full scale production, BRAID guarantees quality, fineness and reliability, making us the go-to partner for the leading vehicle manufacturers. These are custom made wheels, exclusively produced under contract and should not be offered nor sold directly to 3rd party customers.



BP

BR

BLM

BH

BG



Spacers



Screws



Central nut adapter



Special colours

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