THE DYMAG BX-F
CARBON HYBRID AUTO WHEEL
TUNER PROGRAMME
Dymag has been a global pioneer in performance wheels for over 40 years, with a proven record in carbon hybrid technology. We introduced the world’s first carbon hybrid auto wheel in 2004 which was a sensation with OEMs and the aftermarket. It redefined performance by reducing unsprung weight by up to 40% compared to OE aluminium wheels without compromising safety.

Building on our rich legacy and experience in carbon hybrid technology, we have reinvented the wheel once again with our latest product – the Dymag BX-F carbon rim.

Dymag supplies a range of advanced modular BX-F carbon rims to the global premium performance and luxury wheel industry for integration into their product portfolios.

Established wheel companies, auto tuners and niche OEM auto manufacturers can now all offer their customers a range of exclusively styled and branded carbon hybrid wheels utilising Dymag’s state-of-the-art BX-F technology, shortening time to market by using Dymag’s proven safe technology on short lead time at a much-reduced cost.

The BX-F carbon rim benefits from all the patented safety and performance benefits of the ground-breaking BX Elite (BX-E) – already an established performance upgrade option for many leading OE supercars - but with far greater versatility in centrepiece styling options.

As well as stunning looks, the BX-F uses our patented technology that has passed the most stringent OEM performance and durability tests. It is also certified in applications to SAE/DOT; JWL and British Standards, and now meets the new TÜV carbon wheel test standard.

The Dymag BX-F is now available to tuners and wheel companies looking to super-charge their wheel portfolios with a significant performance upgrade through three innovative partnership models:

**Dymag design under licence**
Complete BX-F wheels are available in several Dymag designs can be licensed and co-branded

**Client bespoke design**
Dymag can work with partners who want a bespoke centrepiece design and coordinate manufacturing, assembly, testing, certification and distribution

**Rim only supply contract**
For those organisations with inhouse design and manufacturing capabilities, Dymag provides a rim only partnership

For more information and details about these options, please contact sales@dymag.com
**// Why Dymag?**

Global pioneer – world first carbon moto wheel in 1990 and first carbon hybrid auto wheel in 2004

Over 40 years of elite motorsport experience - Formula 1, Indy 500, Le Mans 24h, Isle of Man TT

Our carbon hybrid wheels are result of multi-million R&D programme in partnership with OEMs and leading UK centre of excellence for composites

All carbon hybrid auto wheels tested to exceed highest OE standards

Certified in applications to SAE/DOT; JWL and British Standards, with marginal cost of certifying new designs

TÜV compliant, although certification is more expensive than other national standards.

Carbon hybrid wheel provider to OEM partners including BAC and Fisker

Designed and manufactured in UK

**// Why carbon hybrid auto wheels?**

Lighter - weight loss where it matters.

Carbon hybrid rims reduce unsprung weight by up to 40% compared to forged aluminium OEM options. With a strong, lightweight rim and aluminium centrepiece, this also moves the mass to the centre of the wheel when in motion, improving all aspects of driving experience.

Faster – unparalleled performance.

With a lighter rotating mass comes improved performance. Carbon hybrid rims require less energy to get the wheel moving and when changing direction, so faster acceleration and game-changing road handling. The lightweight technology also improves braking, meaning better performance without compromising safety.

Stronger – without compromise.

Our BX Elite and BX-F have been developed with OEMs and exceed even the strictest OEM safety and durability tests, far tougher than anything in the aftermarket.

Designer – style and substance.

As the integrity of the carbon hybrid rim is so strong, we can use a lightweight forged aluminium centre that can be designed into a wide range of styles, colours and finishes. Twinned with the stunning exposed carbon of the rim, this offers a beautiful wheel with extraordinary performance and unlike anything else available in the aftermarket.
**The BX-F**

The latest creation – using all our decades of experience in carbon wheel technology

All the performance and safety benefits of BXE carbon hybrid wheel but even more versatility in styling options

Already adopted by leading wheel companies Forgeline and Brixton Forged

Growing range of fitments and sizes, including high-clearance options to accommodate ceramic brake technology such as Porsche GT3RS

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### Testing:

<table>
<thead>
<tr>
<th>Size</th>
<th>20 x 9</th>
<th>20 x 9.5*</th>
<th>20 x 12</th>
<th>21 x 12.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cornering Fatigue</td>
<td>600kg 4000nm</td>
<td>465kg 3466nm</td>
<td>600kg 4000nm</td>
<td>640kg 3945nm</td>
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<tr>
<td>Radial Fatigue</td>
<td>700kg</td>
<td>465kg</td>
<td>640kg</td>
<td>640kg</td>
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<tr>
<td>90° Impact</td>
<td>715kg</td>
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<tr>
<td>13° Impact</td>
<td>640kg</td>
<td>465kg</td>
<td>640kg</td>
<td>700kg</td>
</tr>
</tbody>
</table>

**Nom static load rating:** 640kg 465kg 640kg 640kg

### BX-F rim weights:

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight in kg</th>
<th>Weight in lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 x 9</td>
<td>4.6</td>
<td>10.1</td>
</tr>
<tr>
<td>20 x 9.5*</td>
<td>3.97</td>
<td>8.7</td>
</tr>
<tr>
<td>20 x 10</td>
<td>4.85</td>
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<tr>
<td>20 x 10.5</td>
<td>5.3</td>
<td>11.6</td>
</tr>
<tr>
<td>20 x 11</td>
<td>5.45</td>
<td>12</td>
</tr>
<tr>
<td>20 x 11.5</td>
<td>5.7</td>
<td>12.6</td>
</tr>
<tr>
<td>21 x 12.5</td>
<td>5.7</td>
<td>12.6</td>
</tr>
</tbody>
</table>

*20 x 9.5 is a lightweight lower rated high clearance front wheel for sports cars using ceramic brakes*
// The collaboration models

The three partnership models offer complete versatility and peace of mind to those looking to introduce this game-changing technology to their customers.

Dymag design under licence

The customer can licence and co-brand the BX-F with one of Dymag’s pre-approved centrepiece designs. This would suit brands who want to enter the market with their own branded product without any upfront design, development and certification costs.

Client bespoke design

The customer can work with Dymag on a bespoke BX-F centrepiece design. This would be provided to Dymag or one of our manufacturing partners to design and manufacture the entire wheel exclusively, including testing and certification. The client will be charged a design fee and certification costs for the centrepiece only.

Rim only supply contract

Customers with proven in-house wheel engineering capability can design and produce their own centrepieces and fit to pre-certified BX-F carbon rims purchased from Dymag directly or via one of our approved distributors.

Please contact sales@dymag.com

// Existing partners – Brixton Forged – Carbon+ Series

Dymag also has a strategic partnership with Brixton Forged with the BX-F rim. The Brixton Forged Carbon+ Series utilizes the highest quality APP 6061-T6 Aerospace grade forged aluminium faces combined with the ultralight Dymag BX-F carbon fibre rim and RAU Titanium assembly hardware.

Adam Majcherkiewicz co-founder of Brixton Forged Wheels comments:

"At Brixton, our performance-inspired philosophy has driven us to deliver the finest, lightweight performance wheels that look incredible. The partnership with Dymag is the next logical step for us; to combine their breakthrough, patented carbon BX-F rim with our new range of cutting-edge designs makes a compelling aftermarket offer."
// Existing partners – Forgeline – Carbon + Forged range

Dymag has been working with Forgeline for almost a year, providing the BX-F rim for their Carbon + Forged range. Forgeline Carbon+Forged wheels combine weight-optimized CNC-machined forged aluminium centres with the revolutionary Dymag BX-F carbon fibre rims to deliver the ultimate in technological advancement, exclusive styling, and unparalleled lightweight performance.

David Schardt, President of Forgeline, said:

“Our partnership with Dymag is a natural fit. Both companies have a long history of innovation, technological advancement, and a deep passion for motorsport. The engineering that goes into the testing and production of these wheels is very complex and it has been a pleasure working with their team and merging our respective capabilities. We look forward to using their flanged style carbon fibre rim and for the opportunity to employ their technology into our growing line of Carbon+Forged hybrid material wheels.”