

## **WDS presents new range of environmentally sustainable handles**

**23 April 2024**

**WDS Components has launched a new range of bow handles manufactured using a renewable biopolymer. The new handles are available in three styles and join the WDS range of hand knobs also produced from renewable sources. Development in biopolymer technology means the new products are as durable as standard plastic handles, making the range ideal for OEMs, as well as end users, with a focus on environmental sustainability.**

The new range of bow handles include a rear and front fix design (part number WDS 8499), as well as a top mounted bow handle with an extended cut away (part number WDS 8498). The designs are available in black, creating a sleek and modern look.

Sustainable manufacturing is achieved using a biopolymer derived entirely from renewable raw materials. As a result, the plastic is free from oil, and contributes to a lower CO<sub>2</sub> impact compared to petroleum-based plastics. The biopolymer also supports the conservation of finite fossil resources and crucially, at the end of their lifecycle, the handles can be recycled.

The handles' high durability also contributes to sustainability, enabling long life use before replacement is required. The biopolymer is tough, with fibreglass reinforcement adding resilience, supported by stainless steel threaded inserts. Combined, this gives the handles a minimum 2x safety factor, with a maximum load of 102 kg. The designs also include strong chemical resistance, enabling their use across a diverse range of locations, including outdoor environments.

The bow handle designs fit a variety of applications, from use on doors, plus machinery, as well as supporting medium-duty loads, and they can be quickly and easily installed. The top mounted bow handles span multiple hole centres from 94 mm to 179 mm, fixed by fasteners ranging from M6 to M8. The rear fix and front fix bow handles are available with hole centres including 100mm, 120mm, and 140mm, with each fixed by M5, M6, or M8 fasteners according to size.

Full technical specifications, including free to download CAD images, are available on [wdscomponents.com](http://wdscomponents.com), and online ordering is available with stock information provided. WDS can achieve high volume OEM orders, and international shipping to anywhere in the world is possible.

“Sustainability is important for WDS, and it’s increasingly important for many of our customers too,” says Mark Moody, Sales & Marketing Director, WDS Components. “Together with our existing hand knob range, the new biopolymer handles enable OEMs to deliver more sustainable solutions. We welcome enquiries from OEMs who are also seeking a wider variety of biopolymer and sustainably manufactured products.”

**Image Captions:**



**Image 1:** WDS Components new range of bow handles manufactured using a renewable biopolymer.

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## About WDS Components Ltd

WDS Components is the home of standard parts and machine accessories. Established in 1952 'Woodside Die Sinking Company' made jig and die parts to speed up production in tool rooms, WDS Components has grown from humble beginnings to become a leading European manufacturer and global distributor of high quality durable parts at competitive prices. We supply components, standard parts and machine accessories to original equipment manufacturers, maintenance engineers, small businesses and individuals all over the world. Over 98% of our range is available from stock and can be shipped the same day from our global distribution centre in the UK, using best in class worldwide logistics companies.

We provide unrivalled choice and unequalled availability.

WDS Components are proud to support some of the most prestigious engineering companies and brands in the world, who all trust WDS Components to service their needs.

We are committed to engineering excellence and continuous improvement. Our team of in-house engineers has expertise spanning several decades and is a blend of highly experienced and new generation graduate engineers who focus on the latest developments in design and manufacturing technology.

Our entire range of products is available to purchase on our website [WDS COMPONENTS.COM](https://www.wds-components.com) where designers and manufacturers alike can download 3D models of all components in the widest range of formats available.

WDS Components provide solutions for customers who require a wide and growing range of high quality, competitively priced products, coupled with incredible product availability and same day despatch, backed up by easily accessible technical support.

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