WDS Components Help Desk

New range of environmentally sustainable handles

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WDS presents new range of environmentally sustainable handles

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 CO2 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, 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.”