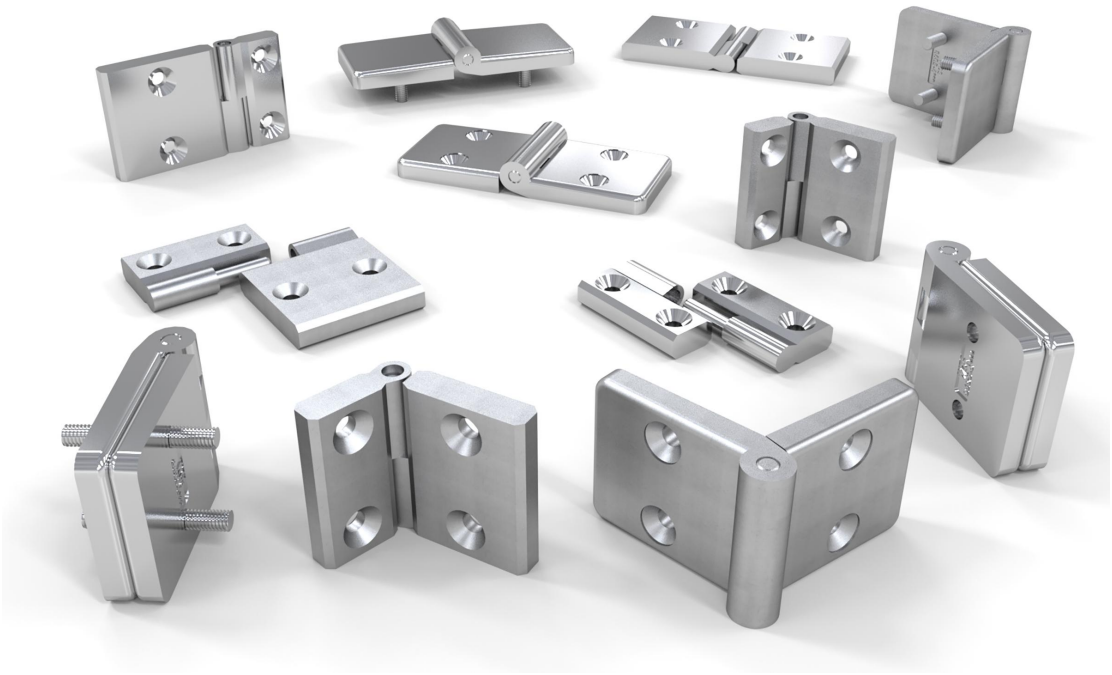
WDS Components Help Desk

New 316 Stainless Steel Hinges Add Durability And Corrosion Resistance

2022-11-08 - Mark Moody - Sales and Marketing Director - News and Media

We have expanded our range of leaf hinges, adding highly robust, anti-corrosion designs. We have also released new lift-off detachable hinges, allowing fast and simple door removal. Both of the new hinge types are manufactured from high quality 316 stainless steel.



The high grade stainless steel leaf hinge design (part number WDS 8605) has been developed for use on doors in hygienic applications, as well as marine environments, providing strong resistance to salt water corrosion. The durable hinges are also well suited to machinery and industrial cabinets, and their construction also means they can be used long-term in any outdoor environment.

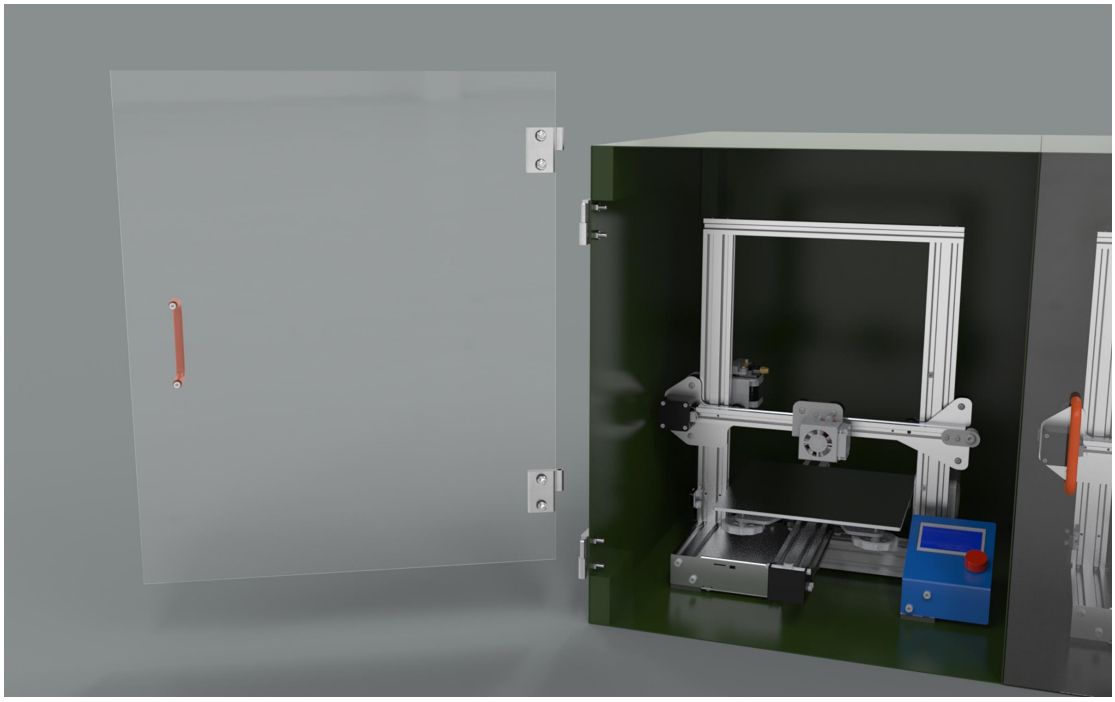
Made from 316 stainless steel, the hinges can be used in environments subject to regular washdown with aggressive detergents. The design provides long-term resistance to corrosion, and rounded edges prevent accumulation of bacteria, enabling an easier and more effective wash-down.

The new hinges are also available in a stud fitting that can be inserted directly into a door or panel and secured with a nut. This metric-size stud design removes the need for fitting with screws and doesn't leave the hinge exposed. This creates smooth edges without any crevices, adding to the hygienic credentials. This design also protects the hinge from removal, making it tamper-proof and well suited for protecting factory machinery or outdoor cabinets. Traditional countersunk designs that can accommodate screws or bolts are also now available in 316 stainless steel.

The hinges feature a high quality polished mirror finish, ideal for luxury and premium environments, as well as a matt style, which is more forgiving and ideal for concealing blemishes and hand prints. Hinge lengths are available in 30mm and 48mm, and the new range joins WDS' existing line up of hinges that are available in a variety of materials, designs, and sizes.

The new leaf hinges are also part of our stock guarantee programme that guarantees the availability of a specified order quantity in return for a 10% discount on any unavailable units. They are also competitively

priced, especially compared to specialist suppliers, such as traders to the marine market.



Alternatively, our new lift off, detachable hinges (WDS 8620), also made from 316 stainless steel, are designed for fast, simple access when door removal is required, for example to aid installation or maintenance procedures.

The design comprises two different leaves that can be removed with a simple lift off action, while firmly securing together when the top plate is positioned over the hinge pin. As the hinges include countersunk holes on both sides, it's a reversable design that can be used on left- or right-hand hinges, unlike most competing designs of detachable hinge that are designed for use on one side only. This saves time in design and adds ease and flexibility in ordering and on-site installation.

Also made from 316 stainless steel, the detachable hinges have a high quality mirror finish and are durable for long-life use. They're also rust-free and can be used in aggressive environments.

The hinges are 50mm long and are available in a wide range of countersunk hole position layouts. They are able to support a maximum weight of 50kg.

The detachable hinges are also available from our stock guarantee programme, and full details of both hinge designs, including free to download CAD images, can be found on our website.