

Stainless steel hinges from WDS suit cleanroom applications

WDS Component Parts Ltd. has introduced a range of stainless steel lift off hinges (or detachable hinges) for cleanroom environments where corrosion resistance is critical. The development of these new parts has been built on the company's experience in the medical and healthcare sectors, and provides a range of hinges that is suited to the broadest spread of cleanroom applications.

With plates and hinge pins manufactured in 316 stainless steel, the hinges are suited to use in environments that need to be disinfected and/or washed down regularly and reliably to prevent cleanroom contamination. The 316-stainless steel is an austenitic grade that contains molybdenum for improved corrosion resistance. This highly effective protection makes the hinges suitable to use in environments where harsh disinfectants of high pressure hosing will be used as part of the washdown process.

Available in polished or matt finishes, the stainless-steel lift off hinges have a 50x50mm footprint. The symmetrical layout with $\pm 120^\circ$ of motion enables either left or right-hand applications.

WDS already offers an extensive range of hinges and the new additions mean that virtually all possible application needs can be addressed. This means that designers and machine builders can meet all their hinge requirements from a single source, WDS's comprehensive website, <http://www.wdsltd.co.uk>, that details the company's entire product range, offers on-line ordering, 2D and 3D model downloads and supporting product information.

The hinges are available through WDS's international headquarters and logistics centre in Leeds, enabling the company to meet customer orders with the greatest flexibility and to guarantee product quality. The Leeds operation also includes a fully integrated telephone help centre, through which customers can access technical support and place orders.

Image Caption: WDS has introduced a range of stainless steel lift off hinges for cleanroom environments where corrosion resistance is critical.

About WDS

WDS are the UK's leading manufacturer of standard parts for use in machine build components, standard parts, jigs & fixtures, and consumer products. The range of products available from WDS grows daily and so has the methods available to designers and engineers for identifying, specifying and purchasing any of the 20,000+ parts currently held in stock. For example, WDS has made ordering workholding solutions cheaper and quicker by removing small order surcharges.

The WDS range covers five main divisions, Standard Parts, Machine Accessories, Spencer Franklin Hydraulic Workholding, Broaching and General & Modular Workholding.

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