WDS Components Help Desk

WDS Expands Connection Hardware Range

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WDS Expands Connection Hardware Range

WDS Components has expanded its range of connection hardware, giving engineers and purchasing teams access to a wider choice of components for fastening, tensioning, anchoring and rotational applications.

Designed for use across industrial, marine, construction, architectural, agricultural and renewable energy applications, the range includes shackles, turnbuckles, pivot swivels, ring eyelets, carabiners and R clips, with a variety of sizes, configurations and material options available.

Selected components are manufactured from 316 stainless steel; for applications exposed to moisture, weather or corrosive environments, this material’s corrosion resistance makes it appropriate for marine and outdoor applications, as well as engineering environments where component longevity and material performance are important considerations.

Connection Hardware For Equipment And Structures

Shackles, turnbuckles, pivot swivels ring eyelets, and carabiners cover a range of mechanical connection requirements, allowing engineers to specify components according to the function required within an assembly.

Shackles provide removable connection points for chains, cables, ropes and other assemblies. Where components need to be securely connected but readily detached for installation, adjustment or maintenance, these components provide a suitable solution. Stainless steel versions are available for applications requiring increased resistance to environmental exposure.

Turnbuckles are designed for controlled tensioning and adjustment of cables, ropes and rods. Their threaded adjustment mechanism enables tension to be set during installation and subsequently adjusted as required. Suitable for structural bracing, architectural systems, marine equipment and general engineering applications, WDS carry a variety of sizes and styles.

Where connected components require rotational movement, pivot swivels provide a mechanical connection that allows relative rotation while helping to minimise twisting within the assembly. This can be beneficial in applications where movement, flexibility or changes in orientation need to be accommodated without compromising the connection.

Ring eyelets provide dedicated attachment and anchoring points for cables, ropes and chains. Their compact design enables them to be incorporated into equipment and structures where a defined connection point is required, with stainless steel options available for demanding environments.

For applications requiring rapid installation and removal, carabiners and R clips provide simple mechanical retention. These components can be used to secure equipment, components and assemblies where regular access, adjustment or removal is required, helping to simplify maintenance and assembly operations.

Supporting Standardisation

The expanded components range also provides practical benefits beyond individual component selection. Engineers working across multiple equipment designs or projects can standardise connection hardware where appropriate, helping to simplify specifications and reduce the number of component variations required.

For purchasing departments, the ability to source multiple connection hardware types from a single supplier can reduce sourcing activity and simplify supplier management. This is particularly relevant for OEMs, machine builders and maintenance teams managing multiple component requirements across production or maintenance programmes.

WDS also provides downloadable CAD models and technical support, enabling components to be assessed and incorporated during the design process. Combined with WDS stock availability, this provides a route from initial component specification through to procurement and replacement requirements.

Key Launch Facts

• Shackles, turnbuckles, pivot swivels, ring eyelets, carabiners and R clips

• Available in a range of sizes and configurations

• 316 stainless steel options for corrosion-resistant applications

• Solutions for fastening, anchoring, tensioning and rotational movement

• Suitable for industrial, marine, architectural and outdoor environments

• Supports component standardisation across equipment and projects

• CAD models available for design and specification

• Technical support from WDS engineering teams

• Stock availability for production and maintenance requirements

For further technical information, material data, or ordering support, engineering teams are encouraged to visit www.wdscomponents.com or contact the WDS technical support team.