Wixroyd
AN ESSENTRA COMPANY

Automotion
AN ESSENTRA COMPANY

Teknipart
AN ESSENTRA COMPANY



Tailored for **Transport**

Engineering components for transport applications

MADE IN BRITAIN

JOSCAR REGISTERED

SOCOTEC ISO 9001 ISO 14001 CERTIFIED

UKAS MANAGEMENT SYSTEMS 0063

wixroyd.com

automotioncomponents.co.uk

teknipart.co.uk

Contents

What you'll find in this catalogue 04

The Wixroyd Group Family 05

Applications

Aerospace 06

Defence 08

Rail 10

Automotive & EV 12

Agricultural & Off Highway 16

Specialist & Utility Vehicles 18

Material Matrix 20

Components

Components For Transport 22

Fastening & Joining 24

Access & Enclosures 26

Positioning & Retention 29

Linear Motion 31

Mechanical Movement 34

Vibration & Mounting 36

Lifting & Securing 38

@wixroydgroup

What you'll find **in this catalogue**

Find out more

wixroyd.com/**transport**

We've designed this catalogue with different areas of the Transport industry at the forefront of our thinking. We recognise the specific requirements each area needs and offer a **wide range of components to offer solutions to support product design, maintenance, and ongoing development.**

You will find a selection for each transport application and some commonly used products used in those areas, along with a wider selection of components to suit the many functions required in the manufacture and maintenance of transport systems.

- **Aerospace**
  Doors & Access Panels | Privacy Screens & Doors
  Landing Gear & Actuation
- **Automotive & EV**
  EV Systems | Vehicle Interiors | Boots
  Engines | Formula One | Lorries | Campervans
- **Defence**
  Land Vehicles | Naval Applications
  Aerospace Defence
- **Agricultural & Off-Highway**
  Tractors | Combine Harvesters
  Excavator Machines
- **Rail**
  Sliding Doors | Service Panels | Passenger Areas
- **Specialist & Utility Vehicles**
  Emergency Vehicles | Waste Management
  Utility Vehicles

This catalogue is just a small sample of what **The Wixroyd Group can offer.** If you can't find what you're looking for here, **browse our websites, or reach out to our team in Chichester** who will be able to support you in finding the correct solution.

Product codes are **colour coded** to identify **which brand** the product belongs to.

Use the product codes to **quickly find products on the relevant brand website.** Please note that product codes are **brand specific** and can only be searched on their **corresponding website.**

Wixroyd **Automotion Components**

Teknipart

The Wixroyd Group Accreditations

Our accreditations reflect our commitment to **quality, continuous improvement and responsible business practices.** From internationally recognised ISO certifications to industry-specific approval such as JOSCAR, these standards **provide our customers with confidence in our products, processes and service.**

MADE IN BRITAIN · JOSCAR REGISTERED · SOCOTEC ISO 9001 ISO 14001 CERTIFIED · UKAS MANAGEMENT SYSTEMS 0063

The Wixroyd Group **family**

The Wixroyd Group, part of Essentra PLC, is made up of three of the strongest UK brands for industrial components: **Wixroyd, Automotion Components and Teknipart.** Together we manufacture and supply innovative specialist components to provide solutions to product design and engineering challenges. With a reputation for high-quality products and technical support for businesses across multiple industries, we focus on **Delivering A Range of Endless Possibilities.**

Three companies one family

Our three companies each specialise in specific products and services and now you can place **one purchase order containing any items** across our three brands.

Wixroyd AN ESSENTRA COMPANY
wixroyd.com
0333 207 4497
- DESIGN ELEMENTS
- ACCESS COMPONENTS
- WORKHOLDING

Automotion AN ESSENTRA COMPANY
automotioncomponents.co.uk
0333 207 4498
- LINEAR COMPONENTS
- MECHANICAL COMPONENTS
- LINKAGES & ROTARY

Teknipart AN ESSENTRA COMPANY
teknipart.co.uk
0333 207 9969
- THREAD INSERTS
- SCREWS & WASHERS
- QUICK RELEASE PINS

Why buy with us?

- **HIGH** STOCK LEVELS
- **STREAMLINE** ORDERING PROCESS
- MADE IN **BRITAIN**
- **HIGH QUALITY** PRODUCTION
- **BESPOKE** CAPABILITIES
- TECHNICAL **SALES SUPPORT**

In-house manufacturing

Our range of precision fasteners, manufactured in-house at our Chichester site, includes shoulder screws, captive screws, vented screws and much more, in a wide selection of sizes and materials. **We can also provide bespoke parts to ensure all your project needs are met.**



Aerospace

The aerospace industry relies on precision-engineered components that deliver reliability, safety and weight-saving performance in demanding environments. From commercial aircraft and business jets to military and rotary-wing platforms, secure access and dependable operation are essential.

Our components are commonly used on doors and access panels, cabin privacy screens and doors, landing gear assemblies and actuation systems. Manufactured from aluminium, stainless steel and advanced composites, such as PEEK, these components provide the strength, durability and corrosion resistance required across modern aircraft.

Common Products

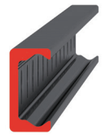
Page No.	
24	Captive Screws
24	Sealing Screws & Plugs
24-25	Titanium Screws
25	PEEK Fasteners
25	Thread Inserts
29	Ball Lock & Quick Release Pins
31	Linear Guideways
32	Linear Bearings
33	Telescopic Slides
34	Rod Ends
36	Anti-Vibration Components
37	Shock Absorbers



L2041
Aluminium Telescopic Slides



L1918T-C
Light Duty T Rails



S4000
Constant Torque Friction Hinges



32690
Index Plungers - Compact



Q0420
Torque Dampers - Compact





P0153.Ti
Captive C-sunk Hex. Screws



A1701
Compression Latches



S0523
Surface Mount Leaf Hinges



33620
Aviation Pip-Pin, Std. LA Handle



N0515.NP
TX C'sunk Head Screws



R3567
Heavy Duty Rod Ends - Male



R3402.A4
Stainless Clevis Joints

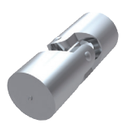




68020
Shock Absorbers - Adjustable



R3698
Single Universal Joints



P2102
Anti-Vibration Marine Mounts



Defence

Defence vehicles and equipment across land, sea and air rely on components built for demanding conditions. From access panels and hatches to equipment enclosures, our range supports secure fastening, controlled movement and vibration isolation.

The Wixroyd Group is JOSCAR-accredited, demonstrating that our business has met recognised supplier pre-qualification and compliance requirements for the defence, aerospace and security sectors.

JOSCAR REGISTERED

Common Products

Page No.	
24	Captive Screws
24	Sealing Screws & Plugs
25	Thread Inserts
25	PEEK Fasteners
26	Compression Latches
26	Cam Latches
27	Swing Handles
29	Ball Lock & Quick Release Pins
34	Rod Ends
36	Anti-Vibration Components
37	Shock Absorbers
38	Lifting Points & Shackles



SEA DEFENCE

A1603
Compression Latches - Flexi-System



P0173.P2
Seal Screws - Cap Head



63210
Stainless Double Swivel Rings



P2104
V-Shaped Marine Mounts



S2156
Concealed Pivot Hinges



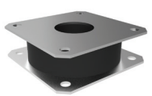


LAND DEFENCE

P0139
Shoulder Bolts - Hex. Head



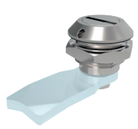
P2054
Anti-Vibration Pads



P0149.B2
Captive Screws - Button Head



A1210
Cam Latch - Flexi-System



33226.2
Ball Lock Pins - Single Acting - Safety Handle



33610
Aviation Pip-Pins - Standard T-Handle



P0100.2
Socket Cap Screws - M8-M20



AIR DEFENCE



R3416
Stainless Male Clevis Joints



61294
Anti-Vibration Fail-Safe Mounts



N0530.NP
Cap Head Vented Screws



Rail

The rail industry depends on durable, high-performance components that support safety, reliability and passenger comfort throughout their service life. Engineering hardware is widely used on sliding doors, access and service panels, and passenger seating across passenger, metro and light rail applications.

Manufactured from robust materials such as stainless steel, aluminium and PEEK, these components offer excellent durability, corrosion resistance and ease of maintenance. They help ensure dependable operation in demanding, high-cycle environments while meeting the needs of modern rail transport.

Common Products

Page No.	
24	Captive Screws
24	Sealing Screws & Plugs
26	Compression Latches
26	Cam Latches
27	Cam Locks
27-28	Hinges
29	Ball Lock & Quick Release Pins
33	Telescopic Slides
36	Anti-Vibration Components
37	Shock Absorbers
37	Machine Mounts



ACCESS & SERVICE PANELS

P0149.A4
Captive Screws - Button Head



P0175
Countersunk Seal Screws



S0523
Surface Mount - Leaf Hinges



A1611
Compression Latches - Flexi-System



A1103
Cam Latches Flexi-System





SLIDING DOORS

L1016.30
30mm Linear Guide Rails



L1706
Closed Linear Ball Bushings



33230
Clamp Lock Pins - Single Acting



L1016.UL
Unflanged Carriages - Low



PASSENGER SEATING



L1989
Stainless Medium Duty Full Extension



61042
Anti-Vibration Cylinders



68008
Shock Absorbers - Self Compensating



L2051
Stainless AISI 316 Slides



32712
Index Plungers - Pull Grip



61700
Anti-Vibration Bushes



Automotive & EV

Automotive and electric vehicle manufacturers rely on resilient, lightweight components that enhance performance, safety and user experience. Our components are used in EV charging access points, car boots and vehicle interiors, supporting secure access and smooth operation throughout the vehicle.

Manufactured from high-strength steel, aluminium and PEEK, these components offer excellent durability, corrosion resistance and weight-saving benefits. They are also commonly specified for storage compartments, seating systems, centre consoles and access panels across modern vehicle platforms.

Common Products

Page No.	
24	Captive Screws
24	Sealing Screws & Plugs
25	Thread Inserts
25	PEEK Fasteners
29	Ball Lock & Quick Release Pins
32	Linear Bearings
33	Ball Screws & Nuts
33	Telescopic Slides
34	Rod Ends
35	Precision Gears
35	Flexible Couplings
36	Anti-Vibration Components



S2010
Surface Mounts - Double Pivot



N0900
Spring Loaded Lid Stays



R3476
Stainless Ball & Socket Joints



Q3060
Rotary Dampers - Polycarbonate



L1992
Fully Telescopic Slides LTF





N0500.NP
Cap Head Hex. Socket Screws



33420
Quick Lift Pins - Self Locking



P0176
Integral Seal Bolts



32300
Spring Plungers - Smooth Model



P0134.A4
Ultra Low Head Shoulder Screws



S4006
Constant Torque - Friction Torque Hinges



32504
Index Plungers - T-Handle Grip



33194.2
Ball Lock Pins - Contoured Handle





L1918.N
Light Duty Sliders - Size 18



Q3031
Rotary Dampers



Automotive & EV

From passenger vehicles and electric cars to heavy-duty lorries, campervans and Formula One race cars, automotive applications demand components that combine durability, performance and reliability. Engineering components are widely used within engine compartments, vehicle access points, storage areas and interior fittings, where secure fastening and ease of maintenance are essential.

Manufactured from high-strength steel, aluminium and PEEK, these components offer excellent strength-to-weight ratios, corrosion resistance and long service life across both everyday and high-performance vehicle applications.

Common Products

Page No.

24	Captive Screws
24	Sealing Screws & Plugs
25	Thread Inserts
25	PEEK Fasteners
29	Ball Lock & Quick Release Pins
32	Linear Bearings
33	Ball Screws & Nuts
33	Telescopic Slides
34	Rod Ends
35	Precision Gears
35	Flexible Couplings
36	Anti-Vibration Components



A1241
Cam Latches - Flexi-System



B4750
Push To Close Paddle Latches



L2060
Drawer Slides - Full Extension



A1620
Compression Latches - Flexi-System



N2200
Door Stays - Heavy Duty





61340
Anti-Vibration Mounts



R3565
Stainless Heavy Duty Rod Ends - Male



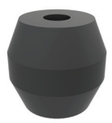
R3404
Stainless Clevis Joints with Pin



P0150.A4
Captive Screws - Pan Head



61830
Anti-Vibration Bushes



P0100.1
Socket Cap Screws - M2-M6



P0509.NP
Torx Low Cap Head Screws





R3577.A4
Stainless Low Cost Rod Ends



P0174
Button Head Seal Screws



R3535
Quick Release Ball Joints



Agricultural & Off-Highway

Agricultural and off-highway vehicles operate in some of the toughest environments, requiring durable components that withstand dirt, moisture, vibration and heavy use. Engineering hardware is widely used on tractors, combine harvesters, excavators and other construction equipment, supporting access panels, engine covers, storage compartments and operator cabs.

Manufactured from high-strength steel, stainless steel and advanced engineering polymers, these components provide excellent durability, corrosion resistance and reliable performance, helping to maximise equipment uptime across demanding agricultural and construction applications.

Common Products

Page No.	
24	Sealing Screws & Plugs
29	Ball Lock & Quick Release Pins
34	Rod Ends
34	Clevis Joints
35	Universal Joints
35	Ball & Socket Joints
35	Flexible Couplings
36	Anti-Vibration Components
37	Shock Absorbers
37	Machine Mounts
38	Lifting Pins
38	Lifting Points & Shackles



R3681
Stainless Telescopic Universal Joints



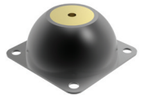
R3052
Oldham Coupling



34940
Heavy Duty Machine Mounts



61345
Anti-Vibration Dome Mounts



R3573
Low Cost Rod Ends - Male





R3686
Double Universal Joints



R3563
Stainless Heavy Duty Rod Ends - Male



R3402
Stainless Clevis Joints



33104.2
Ball Lock Pins - Single Acting



33424
Lifting Pins - Self Locking



R3575.M
Low Cost Rod Ends - Male



R3386
Steel Clevis Joints





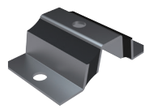
R3460
Ball & Socket Joints



68024
Shock Absorbers - Adjustable



61510
Anti-Vibration Mounts - V Shaped



Match the ant icon to the relevant website

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wixroyd.com

Automotion Components
automotioncomponents.co.uk

Teknipart
teknipart.co.uk

@wixroydgroup

Specialist & Utility Vehicles

Specialist and utility vehicles require dependable components that can withstand demanding operating conditions while ensuring safe, efficient operation. Our components are widely used on emergency vehicles, waste management equipment and utility transport vehicles, supporting access panels, equipment compartments, storage areas and service enclosures.

Manufactured from high-strength steel, stainless steel and advanced engineering polymers, these components deliver excellent durability, corrosion resistance and long-term reliability. They help keep essential vehicles operational, whether in public services, infrastructure maintenance or commercial transport applications.

Common Products

Page No.	
24	Captive Screws
24	Sealing Screws & Plugs
24-25	Titanium Screws
25	PEEK Fasteners
25	Thread Inserts
29	Ball Lock & Quick Release Pins
31	Linear Guideways
32	Linear Bearings
33	Telescopic Slides
34	Rod Ends
36	Anti-Vibration Components
37	Shock Absorbers



R3583
Plastic Rod Ends - Male



R3400
RH Clevis Joints With Retention Clip S/S



68001
Miniature Shock Absorbers, Self Compensating



61040
Anti-Vibration Cylinders



33220.2
Ball Lock Pins - Single Acting - L-Handle





P0163.A2
Captive Screws - Washer



A1661
Mini Compression Latches



L1986.43
Fully Telescopic Slides



33104.1
Ball Lock Pins - Single Acting



B1281
Swing Handles - Cam Control



R3550
Heavy Duty Rod Ends - Male



R3405
Stainless Clevis Joints With Pin





33420
Quick Lift Pins - Self Locking



63601
Load Rings - Side Pull - Male



J0170
Mini Draw Latches



Material Matrix

Choosing the right material is an important part of component selection. Factors such as strength, weight, corrosion resistance, temperature, wear and electrical insulation can all influence suitability for an application. Our material matrix provides a guide to materials commonly used across transport sectors, helping you compare options and identify materials worth considering for your application.

Material suitability depends on the **specific grade, component design, operating environment** and **application requirements**. This guide indicates materials commonly used in each industry and is **not a substitute for application-specific material selection.**

Features & Benefits	Stainless Steel	Steel	Aluminium
	Excellent corrosion resistance and durability. Suitable for demanding environments where strength, hygiene and long service life are important.	High strength, durability and wear resistance. A versatile choice for load-bearing and high-stress applications.	Very lightweight with good corrosion resistance and strength-to-weight ratio. Helps reduce component and vehicle weight.
Aerospace	✔	✔	✔
Defence	✔	✔	✔
Rail	✔	✔	✔
Automotive	✔	✔	✔
EV	✔	✔	✔
Agricultural	✔	✔	✔
Specialist & Utility	✔	✔	✔

Features & Benefits	Titanium	Bronze	Brass
	High strength-to-weight ratio with excellent corrosion and temperature resistance. Suitable where weight reduction and high performance are critical.	Good wear resistance, low friction and corrosion resistance. Particularly suited to moving, sliding and bearing applications.	Excellent machinability, good corrosion resistance and commonly specified for fittings, fasteners and electrical components.
Aerospace	✔	✔	
Defence	✔		
Rail		✔	
Automotive		✔	✔
EV			✔
Agricultural			
Specialist & Utility		✔	

Features & Benefits	Iron	PEEK	Nylon
	Strong, durable and wear resistant. Suitable for robust components where weight is less critical.	Lightweight, electrically insulating and highly resistant to chemicals and elevated temperatures. Suitable for demanding applications where metal alternatives may not be appropriate.	Lightweight, durable and resistant to wear and many chemicals. Provides a practical alternative to metal for many components.
Aerospace		✔	
Defence		✔	✔
Rail			✔
Automotive			✔
EV			✔
Agricultural	✔		✔
Specialist & Utility			✔

Features & Benefits	Polypropylene	Neoprene	Urethane
	Lightweight with good chemical and moisture resistance. Suitable for components exposed to fluids, chemicals and outdoor environments.	Flexible, resilient and resistant to weathering, oils and vibration. Useful for sealing, cushioning and vibration-control applications.	Tough, flexible and highly resistant to abrasion, impact and wear. Suitable for cushioning, damping and components exposed to repeated movement.
Aerospace			
Defence		✔	✔
Rail		✔	✔
Automotive	✔	✔	✔
EV	✔	✔	✔
Agricultural	✔	✔	✔
Specialist & Utility	✔	✔	✔

Components for transport

From fastening and access hardware to linear motion and load handling, our component range supports the mechanisms, assemblies and equipment used across the transport sector. Explore our product groups to find components for your application, with a range of materials, designs and configurations available.

Fastening & Joining — 24-25

Components for securing assemblies, joining parts and fastening panels, including screws, captive fasteners, thread inserts and sealing fasteners.

Access & Enclosures — 26-28

Hardware for opening, closing and securing doors, lids, panels and equipment compartments, including hinges, latches, locks, handles and stays.

Positioning & Retention — 29-30

Components for locating, adjusting and retaining parts in position, including index plungers, locating elements, ball lock pins and quick release pins.

Linear Motion — 31-33

Components that guide and support controlled straight-line movement, including linear rails, guideways, bearings, shafts, slides and positioning stages.

Mechanical Movement — 34-35

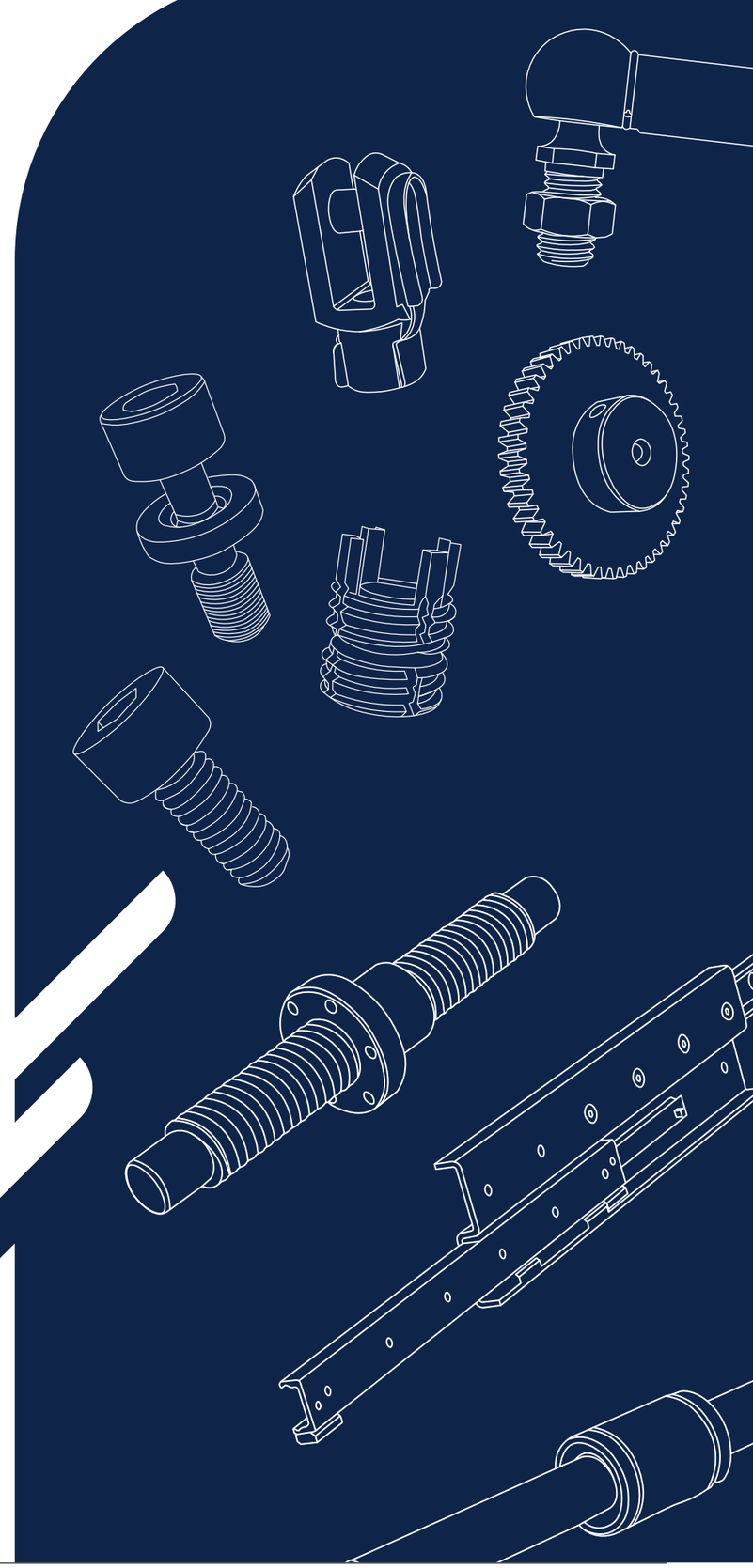
Components for transmitting motion and connecting moving parts, including rod ends, clevis joints, universal joints, ball and socket joints, and flexible couplings.

Vibration & Mounting — 36-37

Components for isolating vibration, reducing transmitted noise and supporting equipment, including anti-vibration mounts, bushes, pads and machine mounts.

Lifting & Securing — 38

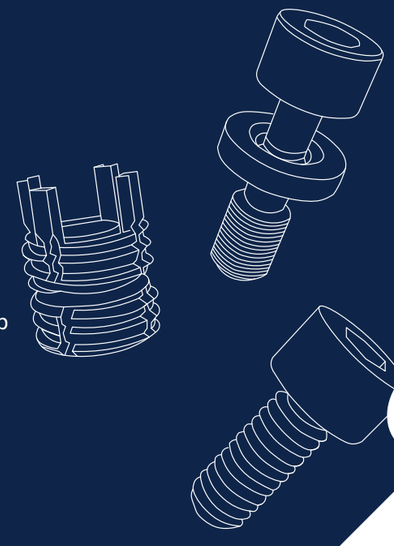
Components for lifting, handling and securing equipment, including lifting pins, lifting points, swivel rings, shackles and load rings.



Looking for a **specific component?**
Browse the product groups or contact our team for help identifying a suitable option for your application.

wixroyd.com/**transport**

Fastening & Joining



From lightweight **aerospace structures to heavy-duty off-highway machinery**, reliable fastening is essential to safety, performance and serviceability. These solutions help engineers create secure assemblies that resist vibration, environmental exposure and repeated maintenance cycles. Whether reducing weight, improving corrosion resistance, maintaining thread integrity or preventing loosening in demanding operating conditions, they support long-term reliability throughout the vehicle lifecycle.

Designed for applications where failure is not an option, they help manufacturers meet the challenges of modern transport engineering while improving assembly efficiency and reducing maintenance requirements.

Captive Screws



Cap Head Captive Screws

Generally to ISO 4762. Will comply with the Machinery Directive 2006/42/EC



Cheese Head Captive Screws

Generally to ISO 1207. Will comply with the Machinery Directive 2006/42/EC



Captive Screws with Washer

303 stainless steel. Generally to ISO 4762 Will comply with the Machinery Directive 2006/42/EC

Sealing Screws & Plugs



Pan Head Seal Screws

Slotted. 303 stainless steel. 316 available on request. Generally as DIN 85 A, ISO 1580



Countersunk Seal Screws

Hex socket. 303 stainless steel. 316 available on request. Generally as DIN 7991, ISO 10642



Cap Head Seal Screws

Stainless, with locking patch. Generally to DIN 912. Also available without locking patch

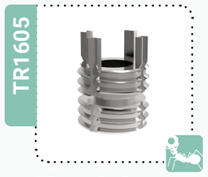
Match the ant icon to the relevant website

Wixroyd wixroyd.com

Automotion Components automotioncomponents.co.uk

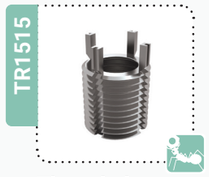
Teknipart teknipart.co.uk

Thread Inserts



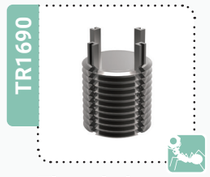
Threaded Inserts - Metric

Threaded insert. MS/NAS Heavy duty. Metric



Threaded Inserts - Metric

Heavy duty. Stainless steel (AISI 303) or equivalent. Passivated



Threaded Inserts - Solid - Metric

Heavy duty. Stainless steel (AISI 303) or equivalent. Passivated

Shoulder Screws



Cap Head Shoulder Screws

303/316 stainless steel, blackened 303/316, grade 2 titanium or grade 5 titanium. Also with locking patch



Ultra Low Head Shoulder Screws

Hex. drive. Available in stainless steel AISI 303/316 and blackened AISI 303/316



Hex. Socket Head Shoulder Screws

Blackened alloy steel. High grade strength 12.9. To DIN 7379

Specialist Screws



Self-Locking Cap Screws

To DIN 912. Can be manufactured to MIL spec on request (MIL-DTL-18240 and NAS1283)



Narrow Head Thumb Screws

Narrow head thumb screws 303, 316, 303 & 316 blackened



Cap Head Vented Screws

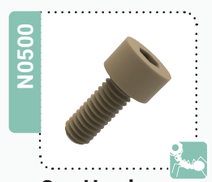
A2, A4. To DIN 912 (with central vent)

PEEK Fasteners



Slotted Cheese Head Screws

Natural polyetheretherketone (PEEK). Beige. UL94-V0 compliant. To DIN 84



Cap Head Hexagon Socket

Natural polyetheretherketone (PEEK). Beige. UL94-V0 compliant



Washers

Natural polyetheretherketone (PEEK). Beige. Generally to DIN 125. UL94-V0 compliant

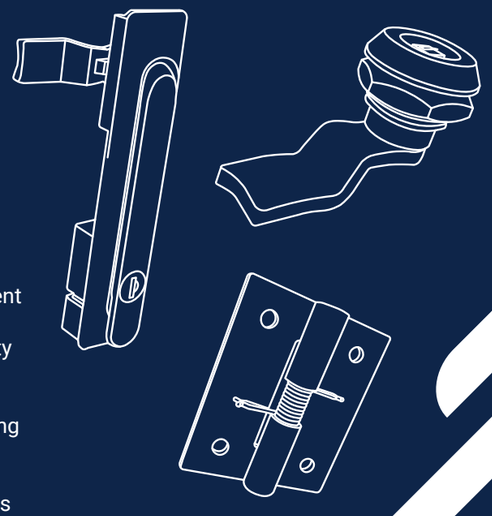
Match the ant icon to the relevant website

Wixroyd wixroyd.com

Automotion Components automotioncomponents.co.uk

Teknipart teknipart.co.uk

Access & Enclosures



Maintenance access must be quick, secure and dependable, particularly in applications where equipment is exposed to vibration, weather and frequent operation. These solutions help engineers design doors, panels and enclosures that balance accessibility with protection. From **driver cabins and battery compartments to service hatches and equipment housings**, they provide reliable security while supporting ease of maintenance and reduced downtime.

Durable construction, ergonomic operation and options for sealing and vibration resistance make them well suited to **demanding transport environments where safety and reliability are paramount.**

Cam Latches



A1021

Cam Latches - Flexi-System

Fixed grip. Ideal when water or other solutions may cause corrosion. Black polyamide



A1103

Cam Latches - Flexi-System

Fixed grip. Max. strength & corrosion resistance. Various insert driver types. Supplied with nut & sealing washer



A1203

Cam Latches - Flexi-System

Fixed grip. Finger knob actuates lock & also acts as a handle. Die cast zinc

Compression Latches



A1701

Compression Locks

Lever latch, adjustable grip, flush trigger. Zinc



A1603

Compression Latches - Flexi-System

Insert driver, fixed grip. Stainless steel



A1611

Compression Latches - Flexi-System

Adjustable grip type with extended stem. Die cast zinc

Cam Locks



A2324

Cam Locks - Clip Fixing

Fixed grip. One key type available. Die cast zinc with black powder coating



A2526

Cam Locks - Flexi-System

Padlockable. Reversible housing Die cast zinc with black coated finish, or stainless steel option



A2333

Mini Cam Locks

Fixed grip.Compact size. Two key types. Die cast zinc with bright chrome plate finish

Swing Handles



B1281

Swing Handles - Cam Control

Standard cylinder. With two keys. Universal left or right. 2mm max. panel thickness. Polyamide



B2082

Swing Handles - Rod Control

40mm Euro cylinder lock. With dust cover. All locks are keyed alike. 90° handle rotation. Die cast zinc



B1380

Swing Handles - Cam Control - Short

Standard cylinder, push button. Zinc

Paddle Latches



B4590

Cam Latches - Flush T-Handle

No lock option. Adjustable grip. Stainless steel



B4750

Push to Close Paddle Latches

Standard cylinder lock. Pull to open. Spring loaded, slam action handle. Stainless steel



B4713

Push to Close Paddle Latches

Standard cylinder lock. Pull to open. Slam action handle. Universal left or right. Steel

Hinges



S4032

Constant Torque Hinges

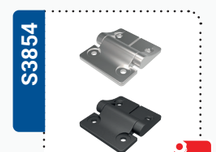
Screw mount. Ideal for mounting of monitor screens. Tilting angle 120°. Stainless steel



S0523

Surface Mount - Leaf Hinges

Stainless steel, AISI 304. For plain/flush mounted doors, as well as electrical panels and covers

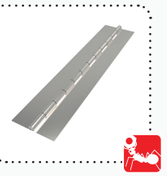


S3854

Friction Hinges - Natural & Black

Shaft rotation 270°. Steel and zinc with natural or black paint finish

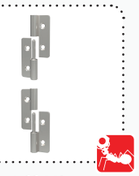
Hinges



S0050

Surface Mount - Piano Hinges

Weld-on. Stainless steel, satin finish



S2300

Lift-Off Hinges - Off-Set

Screw mount. Stainless steel, polished



S2172

Concealed Pivot Hinges - Lift-Off

45mm door return, weld and locking screw. Stainless steel

Door Lids & Stays



N2200

Door Stays - Heavy Duty

100° opening angle. Right and left versions available. With or without lock release wire. Stainless steel



N0950

Lid Stays

Left or right hand specific. Ideal for screwm or weld-on mounting. Steel, zinc plated



N0550

Lid Stays

Heavy duty, positive stop. Universal left or right hand application Stainless steel

Door Lids & Stays



N0855

Lid Stays - Upward Opening Lid

Ideal for screw or weld-on mounting. Right or left hand type. Steel, chrome plated



N0920

Lid Stays

Positive stop. Compact size. Stainless steel



N2050

Door Stays

Mechanically locks door when fully open. 100° opening angle. Steel with yellow zinc plating

Draw Latches



J0170

Mini Draw Latches

Compact size. High strength. Single key supplied. All parts from stainless steel



J0520

Toggle Latches

Draw length adjustable. Zinc plated or stainless steel

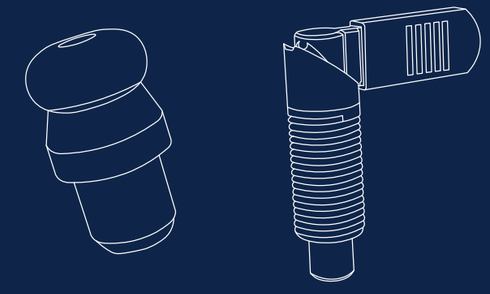


J0600

Toggle Latches

Adjustable. Supplied with counter strike. Steel or stainless steel

Positioning & Retention



Transport systems often rely on components that must be accurately positioned, securely retained and easily adjusted when required. These products provide **repeatable location, positive engagement and rapid operation**, helping engineers simplify assembly, maintenance and equipment reconfiguration. Ideal for **applications requiring frequent access or adjustment**, they improve efficiency while maintaining safety and reliability.

Designed to perform in environments subject to vibration, shock and heavy-duty use, they help ensure accuracy and consistency across a wide range of **transport vehicles and associated equipment.**

Ball Lock & Quick Release Pins



33060

Ball Lock Pins - Single Acting

Available in orange, grey, blue, black plastic. Also available in AISI 303) (see 33080)



33224

Ball Lock Pins - Mushroom Handle

Single acting, self-locking. Stainless steel 1.4305 (AISI 303). Also available in stainless steel 1.4542



33226

Ball Lock Pins - Single Acting - Safety Handle

Self-locking. Stainless steel 1.4305 (AISI 303). 303, 630 Also available in stainless steel 1.4542

Ball Lock & Quick Release Pins



33200

Ball Lock Pins - Single Acting - T-Handle

Self-locking. Stainless steel 1.4305 (AISI 303). 303, 630 Also available in stainless steel 1.4542



33620

Aviation Pip-Pin - Standard LA Handle

Single acting. Quick release pins. According to NASM 17986. Stainless steel



33630

Aviation Pip-Pin - Standard R Handle

Single acting. Quick release pins. According to NASM 17987. Stainless steel

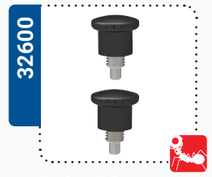
Index Plungers



32501

Index Plungers - Lever Grip

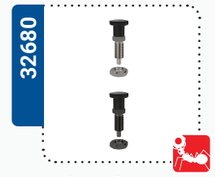
Locking. Stainless steel 1.4305 (AISI 303). Turn lever 180º to retract pin



32600

Index Plungers - Pull Grip

Mini, for thin walled parts. Extra fine thread. Steel or stainless steel



32680

Index Plungers - Pull Grip

Compact, non-locking. Free cutting steel or stainless steel

Spring Plungers



32305

Expander Fit Spring Plungers

Smooth body, with collar and ball. Stainless steel



32820

Side-Thrust Pins - with Seal

Aluminium. Steel, case hardened & galvanised, or thermoplastic (POM) white pin. Rubber (CR) seal



32100

Spring Plungers - with Ball

Slotted. Free cutting steel, blackened, body. Steel 1.3505, hardened ball bearing. Stainless steel spring

Spring Plungers



31500

Spring Plungers - with Ball

With hex. socket. Body: S/S 1.4305 (AISI 303). Ball: S/S 1.3505 (100Cr6), hardened



32300

Spring Plungers - Smooth Model

With collar and ball. Stainless steel, delrin or brass



32302

Expander Fit Spring Plungers

Smooth body. Thermoplastic POM, black. Temperature range -30°C to +50°C

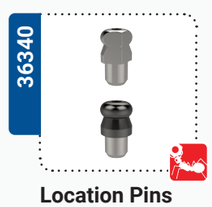
Locating Pins



36220

Locating & Seating Pins

Tool steel, hardened, ground. Bearing surface without centre. Produced to DIN 6321



36340

Location Pins

Ball end. Tool steel or stainless steel

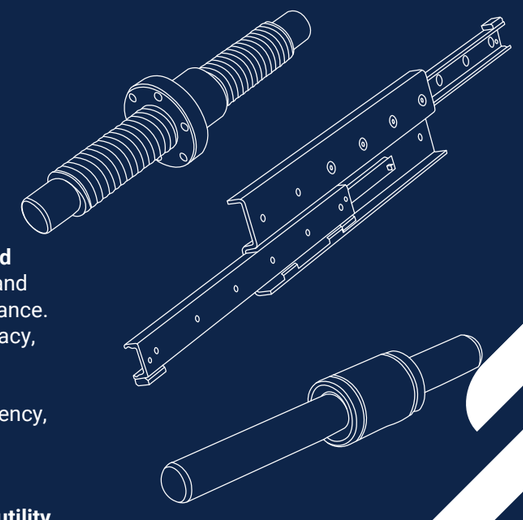


36300

Seating Pins

Tool steel (DIN 6321), hardened and ground

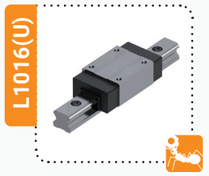
Linear Motion



Whether supporting **adjustable interiors, automated systems or specialist vehicle equipment**, smooth and controlled linear movement is essential to performance. These components are engineered to deliver accuracy, reliability and long service life under demanding operating conditions. By minimising friction and supporting precise motion, they help improve efficiency, user experience and system performance.

Suitable for applications ranging from **rail and aerospace interiors to agricultural machinery and utility vehicles**, they provide dependable operation wherever accurate positioning and smooth movement are critical.

Linear Guideways



L1016(U)

Unflanged Carriage & Rail

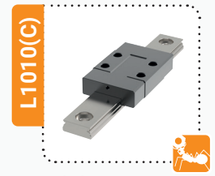
Sizes 15-55. Hardened and ground steel. Carriage with retained ball cage. Rear fixing also available



L1012(C)

Miniature Carriage & Rail

Wide version. Sizes 10-42. Hardened corrosion stainless steel



L1010(C)

Miniature Carriage & Rail

Standard width. Sizes 3-15. Hardened corrision resistant stainless steel

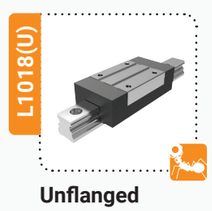
Linear Guideways



L1013

Miniature Rail Assembly

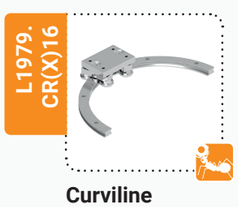
Rail and carriage. Hardened stainless steel. Max temperature +150°c



L1018(U)

Unflanged Carriage & Guide Rail

Sizes 15- 25. With retained ball cage. Rear fixing available. Flanged carriage also available. Aluminium

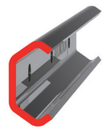


L1979, CR(X)16

Curviline Slider & Rail

Size 23 also available, as are variable radius rails. Stainless steel. Steel version available (L1978)

Linear Rails

L1971.T


Stainless X-Rails

T rail (master), for light duty loads. S/S (316L). Corrosion resistant FDA/ USDA compliant materials. U rail also available

L1971.SBT


Solid Body Steel Sliders

For T rail (master). Stainless steel (316L), water resistant rubber seals. U version also available

L1918.CSW


Light Duty Sliders - Size 18

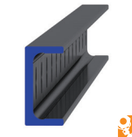
Also available in sizes 28-63. Replace "18" with required size. Solid body. Front body, no side seal

Linear Rails

L1928.N


Medium Duty Sliders - Size 28

Also available in size 18. Die cast aluminium

L1935.ULC35


Medium Duty - U Rail

Carbon steel. Raceways induction hardened and ground. Also available in sizes 18, 28, 43 & 63

L1001


Stainless Crossed Roller Rail Sets

Supplied in sets of 4 rails - with 2 roller cages and 8 end screws as standard

Bearings & Shafts

L1706


Closed Linear Ball Bushings

Hardened and ground body from bearing steel. Can be supplier for higher temperature applications up to +120°C

L1710


Stainless Ball Bushings

Stainless steel body (440C) with either a resin (POM) or stainless steel (316) retainer

L1718


Flanged Linear Ball Bushings

Circular flange. Hardened and ground body from bearing steel. Available in stainless steel (L1720)

Bearings & Shafts

L1770


Hardened Steel Shafts

Sizes 5 - 60 available. Carbon steel (070M55,Cf53 - DIN 1.1213)

L1722


Hardened Stainless Shafts

Sizes 5 - 60 available. Corrosion resistant stainless steel (440C, DIN 1.4112, X90 CrMo18)

L1750


Linear Carriages

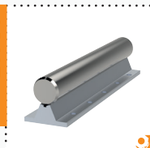
Closed. Supplied with nitrile rubber (NBR) end seals -UU as standard. Aluminium

Bearings & Shafts

L1772 & L1709


Stainless Shaft with Ball Bushing

Shafts available in sizes 6-60. Corrosion resistant S/S (440C, DIN 1.4112, X90 CrMo18) hardened

L1781


Shaft Support Rails

Available in sizes 12-80. Complete stainless (440C) and aluminium support. Surface hardness of shaft 60-65 HRC

L1779.A4


Shaft End Supports

S/S (AISI 316, 1.440). For mounting of std. shaft diameters, tolerance h6. Also available in aluminium

Ball Screws

L1370 & L1375


Flanged Ball Nut & Ball Screw

Available in sizes 16-80. Left hand version also available. Steel. Nuts to DIN 69051 form B

L1372


Centre Flanged Ball Nuts

Steel (16MnCr5 or 100Cr6), with Vulkolan seals. Produced to DIN 69051 form B

L1377(16) & L1377


Flanged Ball Nut & Ball Screw

Rolled, sizes 16-40. Nut to DIN 69051 form B. Black chrome steel (CF53 or C55R)

Lead Screws

L1325 & L1331


Flanged Bronze Nut & Lead Screw

Right hand thread. Rolled trapezoidal thread, S/S (AISI 304, A2). Manufactured to ISO 2901/2093, DIN103

L1320 & L1330


Cylindrical Bronze Nut & Lead Screw

Steel EN 10083-2 (C35, DIN 1.0501) or (C45, DIN 1.0503). To ISO 2901/2903 (DIN 103)

L1322


Stainless Lead Screws

S/S (AISI 316L, A4). Resistant to nearly all types of corrosion. Manufactured to ISO 2901/2093, DIN103

Telescopic Slides

L1994


Partially Telescopic Slides

Steel raceways, hardened. Balls - hardened steel. Zinc coating to ISO2081 (excluding raceways)

L2042


Aluminium Telescopic Slides

High quality grade aluminium (EN-AW-6082 T6, anodised), with steel ball bearings and cage

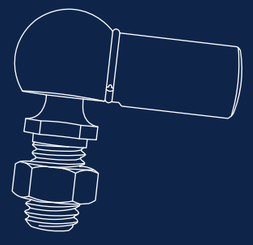
L1984

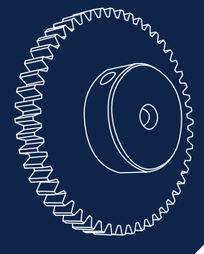

Fully Telescopic Slides

Sizes 28-63. Steel raceways hardened to 60 HRc. Zinc coating to ISO2081 (excluding raceways)

Mechanical Movement







Many transport systems depend on the controlled transfer of motion between moving components. These solutions help engineers manage articulation, compensate for misalignment and transmit power efficiently while maintaining smooth operation. Precision manufacturing and robust construction deliver reliable performance in applications subject to continuous movement, high loads and challenging environments.

From **steering and suspension systems to actuation, drive mechanisms and specialist vehicle equipment**, they help improve durability, reduce wear and support long-term operational reliability.

Rod Ends



R3570

Low Cost Rod Ends - Female

With teflon bearing race. Low carbon steel ball and housing. Brass bearing with PTFE composite lining



R3565

Heavy Duty Rod Ends - Male

Stainless steel DIN 1.4301 (AISI 304). Heavy duty rod ends, with integral spherical plain bearing



R3566

Heavy Duty Rod Ends - Female

Stainless steel DIN 12240-4 (AISI 304). With integral spherical plain bearing

Clevis Joints



R3387

Steel Clevis Joints With Retention Clips

With retention clip. Silver zinc plated. Right hand. Coarse or fine thread



R3385

Steel Clevis Joints

With retention clip. Silver zinc plated. Right hand. Coarse or fine thread



R3417

Stainless Male Clevis Joints

Stainless steel. Similar to DIN 71 752/DIN ISO 8140/CETOP standard

Universal Joints



R3687

Single Universal Joints

Unbored, solid ends. Steel. Plain bearing. To DIN 808



R3694

Stainless Single Universal Joints

Round bored or keyway. AISI 304. Plain bearing. To DIN 808



R3681

Stainless Telescopic Universal Joints

AISI 304. Plain bearing. To DIN 808. Zinc-plated available on request

Ball & Socket Joints



R3535

Quick Release Ball Joints

A2 stainless steel (AISI 303) or zinc-plated steel. Carbon steel shield and ball stud



R3470

Ball & Socket Joints

With sealing cap. Steel, silver zinc-plated. To DIN 71802 form CS. Supplied with hexagon nut



R3466

Stainless Ball & Socket Joints

Stainless steel A2 (AISI 303). To DIN 71802 form CS. Supplied with hexagon nut

Couplings



R3200

Rigid Shaft Couplings - One Piece

Steel or stainless steel. To fit h7 or h8 tolerance shafts. Keyways are standard to DIN 6885



R3220

Stainless Taper Bushes

Stainless steel (A2, AISI 303). Simple axial and radial fixing

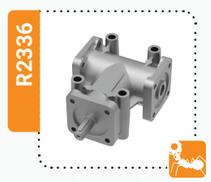


R3004

Beamed Coupling - Six Beam

Anodized aluminium (DIN 1725), black. One piece construction, no mechanical joints

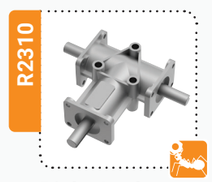
Gears



R2336

Right Angle Drives - Hollow 2 Shafts

Lightweight aluminium alloy housing. Case-hardened steel gears and shafts



R2310

Right Angle Drives - 3 Shafts

Right angle drives - 3 shafts, Ø20 shafts. Aluminium



R2342

Right Angle Drives - 4 Shafts

Lightweight aluminium alloy housing. Case-hardened steel gears and shafts

Vibration & Mounting



Vibration is a constant challenge across nearly every transport sector, affecting equipment longevity, passenger comfort and overall system performance. These components help isolate, absorb and control unwanted movement, protecting critical equipment from damage caused by shock, impact and vibration. By reducing transmitted loads and minimising mechanical stress, they contribute to improved reliability, lower maintenance costs and enhanced operational performance.

Suitable for everything from **EV battery systems and rail equipment to defence vehicles and agricultural machinery**, they help create more durable and dependable designs.

Anti-Vibration Components



P2004

Anti-Vibration Cylinders

Male:male. Rubber on silver zinc plated steel (rubber hardness - 55 Shore A)



P2103

Anti-Vibration Mounts

Rubber on silver zinc plated steel (rubber hardness - 60 Shore A)



P2102

Anti-Vibration Fail-Safe Mounts

Stainless steel (A4, 316). Rubber hardness 65-75 Shore A

Anti-Vibration Components



P2006

Anti-Vibration Cylinders

Male:female. Rubber on silver zinc plated steel (rubber hardness - 55 Shore A)



P2008

Anti-Vibration Cylinders

Female:female. Rubber on silver zinc plated steel (rubber hardness - 55 Shore A)



P2081

Anti-Vibration Washers

Rubber on silver zinc plated steel. Used where axial and radial loads are present

Shock Absorbers



68002

Self-Compensating

M14 - M20, non adjustable. STKM11A, hardened and blackened



68001

Self-Compensating - Miniature

M8-M12 non adjustable. STKM11A hardened and blackened steel



68020

Adjustable Shock Absorbers

M14 - M20. STKM11A, hardened and blackened

Rotary Dampers



Q3060

Rotary Dampers

Uni and bi-directional, continuous rotation up to 1500 gf.cm. Polycarbonate



Q3022

Rotary Dampers

Bi-directional, continious rotation up to 150 gf.cm. Polycetal and Polycarbonate



Q3044

Rotary Dampers

Bi-directional, continious rotation up to 400 gf.cm. Snap-in. Thermoplastic and polycetal

Machine Mounts



34900

Machine Mounts

Steel body with silver zinc plated thread. Synthetic rubber pad (65-70 Shore A) with anti-slide cavity



34950

Heavy Duty Mach. Mounts - Levelling

Galvanised steel, with rubber pad (90 Shore A)

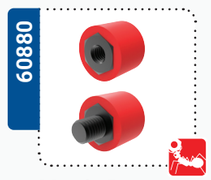


34940

Heavy Duty Machine Mounts

Coated steel body. Synthetic rubber base (75 Shore A)

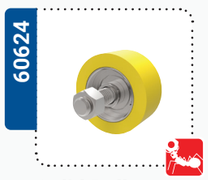
Rollers & Bumpers



60880

Metric Bumpers - Round

Male and female. Neoprene; flame, weather, oil, ozone & gasoline resistant. Urethane; highly abrasion resistant



60624

Solid Rollers

Stud mount. Bearings included. Nitrile, urethane or neoprene

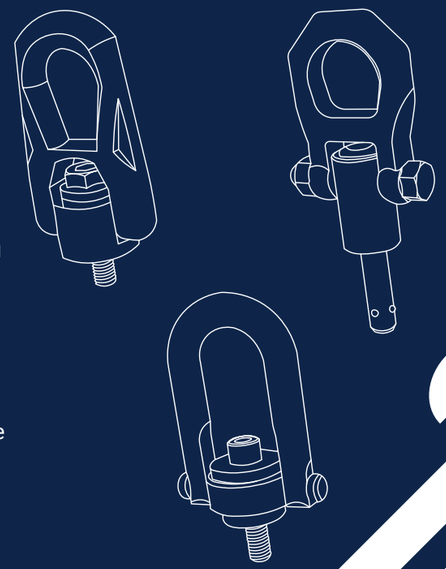


60644

Durasoft Rollers

Stud mount. Urethane bonded to a steel insert. Hardness from 35-80 durometer (Shore A). Bearings included

Lifting & Securing



Throughout manufacturing, maintenance and servicing operations, equipment must be lifted and handled safely, efficiently and with complete confidence. These solutions provide secure attachment points that simplify the movement, positioning and removal of valuable components and assemblies. Designed for demanding industrial and transport environments, they combine high strength with ease of use to support safe working practices and reduce maintenance time.

Whether used on **aerospace structures, rail vehicles, defence equipment or heavy machinery**, they help engineers and technicians work more safely and efficiently.

Lifting Points & Shackles



63050

Double Swivel Rings - Male

High tensile steel, strength class >8. Supplied with CE certificate



63204

Stainless Double Swivel Nuts

High tensile stainless steel (316L), strength class >8. Supplied with CE certificate



63571

Lifting Points - Double Swivel - Male

Standard bar, metric, coarse. Stainless steel, 300 series

Quick Lift Pins



33425

Quick Lift Pins - Threaded

Double swivel - metric. Steel or stainless steel



33420

Quick Lift Pins - Self-Locking

Stainless steel, precipitation hardened. Easy installation with plain drilled hole to H11 tolerance



3B430

Quick Lift Pins - Threaded

Heat treated steel or stainless steel (AISI 630) Corrosion protected. S/S suitable for external use

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automotioncomponents.co.uk

Teknipart
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Next Steps

Explore our range online or **speak to our team** about your transport application. Whether you need more product information or advice on finding the right component, we're here to help.

Find out more

Explore our product range, find components for your application and download datasheets and CAD models.

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