



Your
**Material
Matrix**

Start every application
with the right material

Inside this catalogue

This catalogue has been designed to help you explore the wide range of materials available across our product offering, with guidance to support material selection for different applications and industries.

Inside, you'll find:

- ▶ An **industry matrix** highlighting commonly used materials by sector
- ▶ A **features and benefits matrix** comparing material properties
- ▶ A **product/material matrix** showing product availability by material
- ▶ **Dedicated material sections** featuring products available in each material

The catalogue includes a selection of products available in materials such as steel, stainless steel, brass, bronze, aluminium and titanium, alongside many others available across our wider range. **See page 49 for more information.**

We have included products from all 3 of our brands; **Wixroyd, Automotion Components and Teknipart**. They have been brought together into one catalogue, making it easier to source components across multiple product areas with a **single purchase order**.

Our three specialist brands make up The Wixroyd Group, manufacturing and supplying industrial components that support product design and engineering across a wide range of industries.

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



Wixroyd



Automotion Components



Teknipart

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.

See page 50 for more information about our three brands.



wixroyd.com



automotioncomponents.co.uk



teknipart.co.uk

Contents

Matrices

Industry Matrix	4
Product Matrix	6
Features & Benefits	8

Product Series

Stainless Steel	9
Steel	16
Aluminium	25
Titanium	30
Bronze	32
Brass	33
Iron	36
PEEK (Polyether ether ketone)	39
Nylon	40
Plastic	43
Neoprene	47
Urethane	48
Other Materials	49

Industry Matrix

Designed as a practical reference for engineers, this matrix helps identify which materials are typically used across a range of industries.

It supports early-stage design and specification by providing a **clear overview of material suitability in real-world applications.**

Industries

	Stainless Steel	Steel	Aluminium	Titanium
Manufacturing	•	•	•	
Automotive	•	•	•	
Transport	•	•	•	•
Defence	•	•	•	•
Medical	•			•
Energy	•	•	•	•
Food & Beverage	•			
Electrical	•		•	•
Aerospace	•		•	•
Packaging	•		•	
Conveyor System	•		•	
Construction	•	•	•	
Marine	•		•	•
Chemical	•			
Laboratory	•			
Agriculture	•	•	•	
Oil & Gas	•			•

Bronze	Brass	Iron	PEEK	Nylon	Polypropylene & Polyethelene	Neoprene	Urethane
•		•		•			•
•		•		•		•	•
		•				•	
			•				
			•		•		
•	•		•		•	•	
	•		•		•		
	•		•	•	•		
•			•				
				•	•		
					•		•
		•				•	
•					•		
•			•		•		
			•		•		
				•	•		•
•			•				

Product Matrix

A quick reference to support material selection across our product range. This matrix highlights which product groups are available in each material, helping to **narrow down suitable component options early in the design process.**

○ Wixroyd
● Automotion
● Teknipart

	Stainless Steel	Steel	Aluminium	Titanium
Anti-Vibration	●	●		
Ball & Socket Joints	●	●		
Ball Lock Pins & Quick Release Pins	●			
Ball Screws, Lead Screws & Nuts	●	●		
Blanking Plugs	●			
Cam Latches	●	●		
Captive, Sealing & Shoulder Screws	●	●		●
Catches & Latches		●		
Clevis Joints	●	●		
Fasteners	●	●	●	●
Flexure Pivot Bearings	●			
Grips, Handles & Handwheels	●	●	●	
Hinges	●	●		
Levelling Feet & Precision Levelling Adjusters	●	●		
Lid & Door Stays	●	●		
Lifting Pins, Lifting Bolts & Swing Bolts	●	●		
Linear Components	●	●	●	
One Touch Fasteners	●	●	●	
Right Angle Gear Boxes			●	
Spacers	●	●		
Spring & Index Plungers	●	●		
Standard Screws	●			●
Thread Inserts	●	●		
Thrust Screws	●			
Thumb Screws	●	●		
Universal Joints & Rod Ends	●	●		

Features & Benefits

This matrix compares key material features and benefits to support informed selection during the design process.

It helps you quickly understand how different materials perform in terms of **strength, corrosion resistance, weight and other critical properties.**

	Stainless Steel	Steel	Aluminium	Titanium	Bronze	Brass
Tensile Strength	High	High	Med	V High	High	Med
Temperature Resistance	High	High	Med	V High	High	Med
Chemical Resistance	High	Low-Med	Med	V High	High	Med
Corrosion Resistance	V High	Low	High	V High	High	Med
Electrical Conductivity	High	High	High	Low	High	High
Wear/Abrasion	High	High	Med	High	High	Med
Machinability	Med	High	High	Low	High	High
Weight	High	High	Low	Low	High	Med
Friction (Low = Good)	Med	Med	Med	Med	Med	High
Cost	Med	Low	Med	V High	High	Med
	Iron	PEEK	Nylon	Polypropylene & Polyethelene	Neoprene	Urethane
Tensile Strength	High	High	Med-High	Low-Med	Med	High
Temperature Resistance	High	V High	Med	Low-Med	Med	Med
Chemical Resistance	Low	V High	Med	V High	High	High
Corrosion Resistance	Low	V High	Med	V High	High	High
Electrical Conductivity	High	Low	Low	Low	Low	Low
Wear/Abrasion	High	V High	High	Med	Med	V High
Machinability	Med	Med	High	High	Med	Med
Weight	High	Low	Low	V Low	Low	Low
Friction (Low = Good)	Med	V High	High	V High	High	V High
Cost	Low	V High	Low	Low	Low-Med	Med-High

Stainless Steel

SST



Stainless steel is a critical material widely used across industries such as **automotive, aerospace, food processing, as well as chemical and medical manufacturing** due to its excellent combination of **strength, durability, and resistance to corrosion**.

Its chromium content forms a passive oxide layer that protects against environmental degradation, making it particularly **suitable for harsh or hygienic environments**. Favoured by engineers for applications requiring **long service life, low maintenance, and high reliability**, such as structural components, pipelines, medical instruments, and processing equipment.

Additionally, its aesthetic finish, temperature resistance, and recyclability contribute to its growing use in both **functional and design-driven applications**.

Key material characteristics

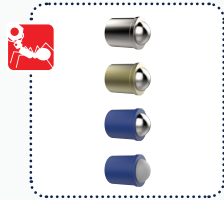
- High tensile strength and good fatigue resistance
- A range of grades for tailored properties
- Good formability and weldability
- Excellent performance at both high and low temperatures
- Strong resistance to scaling and oxidation under heat exposure



**Chrysler Building,
New York City, USA**

The Chrysler Building contains **stainless steel** cladding, creating a durable, reflective crown assembled from prefabricated sections.

Spring Plungers



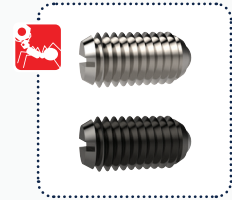
32300
Spring Plungers

Body: 1.4303 (305)
Spring: 1.4568 (631)



31500
Spring Plungers

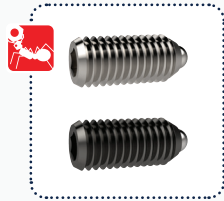
Body: 1.4305 (303)
Ball: 1.3505



32100
Spring Plungers

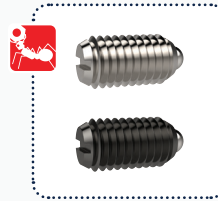
Body: 1.4305 (303)
Ball: 1.3505 (52100)

Spring Plungers



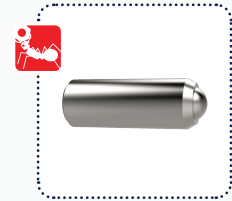
31600
Spring Plungers

Body & Pin: 1.4305 (303)



32150
Side-Thrust Pins

Body & Pin: 1.4305 (303)



32280
Spring Plungers

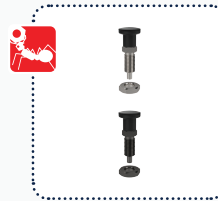
Body: 1.4305 (303)
Ball: 1.3505 (52100)

Index Plunger & Pins



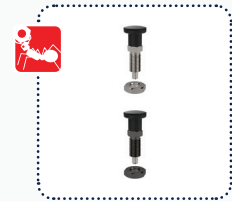
32600
Index Plungers - Pull Grip

Body & Pin: 1.4305 (303)



32680
Index Plungers - Pull Grip

Body & Pin: 1.4305 (303)



32690
Index Plungers - Compact

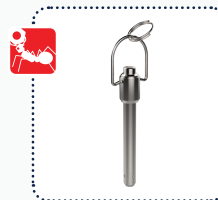
Body & Pin: 1.4305 (303)

Ball Lock Pins & Quick Release Pins



33200.1
Ball Lock Pins - Single Acting - T-Handle

Pin: 1.4305 (303)
Ball: 1.3541 (420C)



33630
Aviation Pip-Pin Standard R Handle

To NASM 17987



33060
Ball Lock Pins - Single Acting Plastic Handle

Pin: 1.4542 (630)
Ball: 1.3541 (420C)

Match the ant icon to the relevant website



Wixroyd
wixroyd.com



Automotion Components
automotioncomponents.co.uk



Teknipart
teknipart.co.uk



Quick Lift Pins



33420
Quick Lift Pins
- Self Locking

Pin & Body: 1.4542
(630)



33440
Locating
Bushes - for
Quick Lift Pins

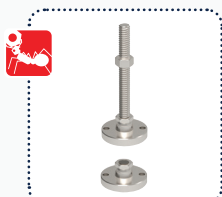
Body: 1.4542 (630)



33442
Locating
Bushes - Plain

Body: 1.4542 (630)

Levelling Feet



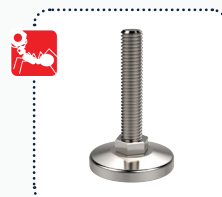
34713
Levelling Feet
- Bolt Down,
Heavy Duty

Pad & Bolt: 1.4305
(303)



34741
Levelling Feet

Bolt: 1.4305 (303)



34615
Mini Levelling
Feet

1.4301 (304) or 1.440
(316)

One Touch Fasteners



33940
One-Touch
Fastener -
Cam Locking

Body: 1.4305 (303)



33942
One-Touch
Fastener -
Cam Locking

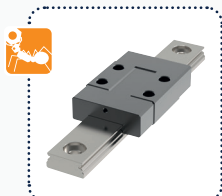
Body, Pin & Knob:
1.4305 (303)



33949
One-Touch
Fastener -
Cam Locking

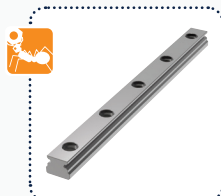
Also available in steel

Linear Guideways



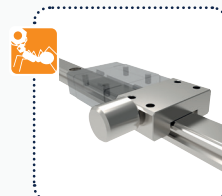
L1010.C
Miniature Rail
Carriages

Corrosion resistant
1.425 (440C)



L1010
Miniature
Linear Rails

Corrosion resistant 1.425
(440C). Size 3-42mm



L1010.CL
Manual
Clamps for
Miniature Rails

Corrosion resistant
1.425 (440C)

Match the ant icon to
the relevant website



Wixroyd
wixroyd.com



Automotion Components
automotioncomponents.co.uk



Teknipart
teknipart.co.uk

Linear Shaft Bars



L1772
Hardened
Shafts

Corrosion resistant 1.425 (440C). Size 6-60mm



L1773
Shafts

Size 6-60mm. 1.4305 (303)



L1774
Shafts

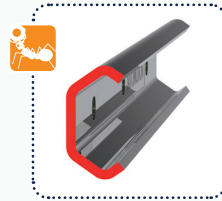
Size 6-60mm. 1.440 (316)

Long Linear Rails



L1971.SBT
Solid Body
Sliders

Body: 1.440 (316)
Rollers: 1.4125 (440C)



L1971.T
X-Rails

1.440 (316) Corrosion resistant



L1971.S
Fixing Screws

1.440 (316)

Lead Screws & Nuts



L1322
Lead Screws

1.440 (316)
ISO 2901/2093



L1341
Cylindrical
Nuts

1.4305 (303)



L1349
High Helix
Lead Screws

1.4301 (304)

Captive Screws



P0154
Captive Screws
- Cap Head

1.4305 (303) or 1.440 (316) Blackened A2 & A4



P0168
Threaded
Captive Washers

1.4305 (303) or 1.440 (316) Blackened A2 & A4



P0161
Captive Thumb
Screws

1.4305 (303) or 1.440 (316) Blackened A2 & A4

Match the ant icon to the relevant website



Wixroyd
wixroyd.com



Automotion Components
automotioncomponents.co.uk



Teknipart
teknipart.co.uk



Shoulder Screws



P0130

Shoulder Screws - Cap Head

1.4305 (303) & 1.440 (316)
Blackened A2 & A4



P0134

Ultra Low Head - Shoulder Screws

1.4305 (303) & 1.440 (316)
Blackened A2 & A4



P0130.P2

Shoulder Screws - Cap Head

1.440 (316). Locking Patch: 1.4305 (303)

Standard Screws



P0208

Ultra Low Head Cap Screws

1.4305 (303) & 1.440 (316)
Blackened A2 & A4



P0207

Extra Low Head Cap Screws

1.4305 (303) & 1.440 (316)
Blackened A2 & A4



P0200

Socket Cap Screws

A2 & A4. To DIN 912, ISO 4762

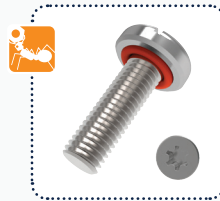
Sealing Screws & Plugs



P0173

Cap Head Seal Screws

1.4305 (303) or 1.440 (316)



P0172

Pan Head Seal Screws

1.4305 (303) or 1.440 (316)



P0176

Integral Seal Bolts

1.4305 (303) or 1.440 (316)

Thumb Screws



P0435

Thin Head Thumb Screws

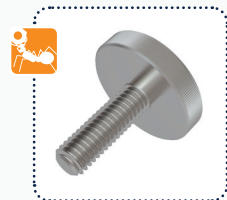
1.4305 (303) or 1.440 (316)
Blackened A2 & A4



P0437

Narrow Head Thumb Screws

1.4305 (303) or 1.440 (316)
Blackened A2 & A4



P0405

Flat Knurled Thumb Screws

1.4305 (303) or 1.440 (316)

Match the ant icon to the relevant website



Wixroyd
wixroyd.com

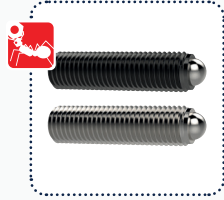


Automotion Components
automotioncomponents.co.uk



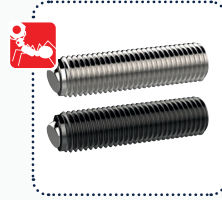
Teknipart
teknipart.co.uk

Thrust Screws



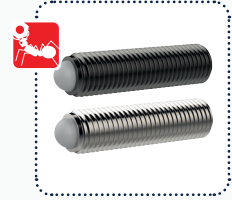
34041
Thrust Screws
- Ball Ended

Body: 1.4305 (303)



34053
Thrust Screws
- Ball Ended

Body: 1.4305 (303)



34042
Thrust Screws
- Ball Ended

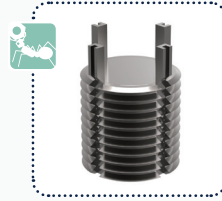
Body: 1.4305 (303)

Thread Inserts



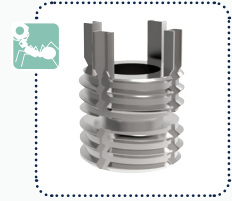
TR1515
Threaded
Insert - Metric

Inserts: 1.4305 (303)
Keys: 1.4310 (301)



TR1690
Threaded
Insert - Solid
Metric

Inserts: 1.4305 (303)
Keys: 1.4310 (301)



TR1605
Threaded Insert
MS/NAS -
H Duty Metric

Inserts: 1.4305 (303)
Keys: 1.4310 (301)

Rod Ends



R3576
Low Cost Rod
Ends

1.4305 (303) or 1.440
(316)



R3565
Heavy Duty Rod
Ends - Male

Housing: 1.4301 (304)
Joint Ball: 1.440 (316)



R3614
Rod Ends With
Stud

Body: 1.4301 (304)

Universal Joints



R3695
Single Universal
Joints

1.4301 (304)



R3694
Single Universal
Joints

1.4301 (304)



R3681
Telescopic
Universal Joints

1.4301 (304)

Match the ant icon to
the relevant website



Wixroyd
wixroyd.com



Automotion Components
automotioncomponents.co.uk



Teknipart
teknipart.co.uk



Flexure Pivot Bearings



R4000
Flexure Pivot Bearings

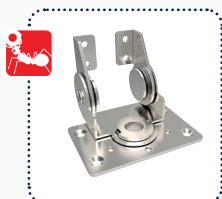
Body: 1.4005 (416)



R4002
Flexure Pivot Bearings

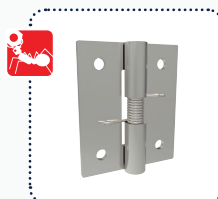
Body: 1.4005 (416)

Hinges



S4032
Constant Torque Hinges

Body & Base: 1.4016 (430)



S4202
Spring Hinges

1.4301 (304)



T2300
Glass Door Hinges - Inset Type

Hinge Body: 1.4301 (304)

Lid & Door Stays



N2200
Door Stays - Heavy Duty

1.4301 (304)



N0550
Lid Stays

1.4301 (304). Satin finish



N0640
Lid Stays - With Locking

1.4301 (304). Satin finish

Pull Handles



78890
Pull Handles

1.440 (316). Mirror finish



78910
Pull Handles - Oval Type

1.4301 (304). Dull blasted



78900
Pull Handles - Bar Type

1.4305 (303). Matt gloss finish

Match the ant icon to the relevant website



Wixroyd
wixroyd.com



Automotion Components
automotioncomponents.co.uk



Teknipart
teknipart.co.uk

Steel

ST



Steel is one of the most fundamental engineering materials, extensively used in industries such as **construction, infrastructure, automotive, energy, and machinery** due to its **strength, adaptability, and cost-effectiveness**.

Its ability to be alloyed and heat-treated allows engineers to **tailor mechanical properties for specific applications**, from load-bearing structural frameworks to precision-engineered components. Steel's durability and versatility make it essential for **bridges, buildings, pipelines, and manufacturing equipment**, where performance, safety, and scalability are critical.

Its widespread availability and recyclability also **support sustainable engineering practices**.

Key material characteristics

- Good machinability for manufacturing processes
- Wide range of hardness levels through heat treatment
- Relatively low material cost compared to alternatives
- Predictable and consistent mechanical behavior
- Good impact resistance under dynamic loading conditions

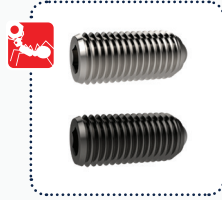


**Golden Gate Bridge,
San Francisco, USA**

Steel cable towers enable Golden Gate Bridge's strength, flexibility, suspension design, spanning the turbulent strait.

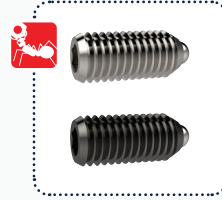


Spring Plungers



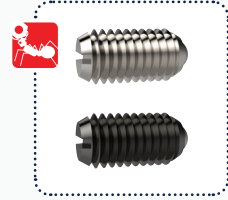
31500
Spring Plungers

Body: 1.4305 (303)
Ball: 1.3505 (52100)



31600
Spring Plungers

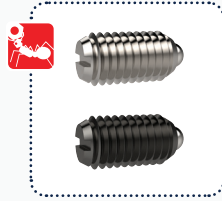
Body & Pin: 1.4305 (303)



32100
Spring Plungers

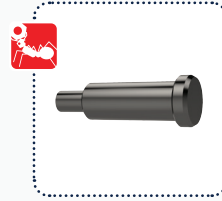
Body: 1.4305 (303)
Ball: 1.3505 (52100)

Spring Plungers



32150
Spring Plungers

Body & Pin: 1.4305 (303)



32400
Spring Plungers

Steel body & pin



32810
Side-Thrust Pins

Steel pin & spring

Index Plunger & Pins



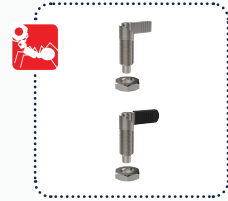
32460
Index Plungers - Precision

Pin, Body & Bush: case-hardened steel



32480
Index Plungers - Precision

Pin, Body & Bush: case-hardened steel



32501
Index Plungers - Lever Grip

Body & Pin: 1.4305 (303)

One Touch Fasteners



33914
One Touch Fasteners - Ball Locking

Body & Button: steel, nickel plated



33916
One Touch Fasteners - Ball Locking

Body & Shank: steel, nickel plated



33947
One Touch Fasteners - Cam Locking

Body & Shank: steel, nickel plated

Match the ant icon to the relevant website



Wixroyd
wixroyd.com

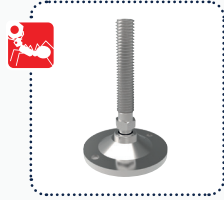


Automotion Components
automotioncomponents.co.uk



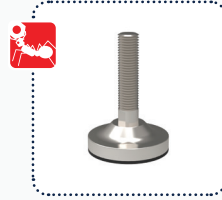
Teknipart
teknipart.co.uk

Levelling Feet



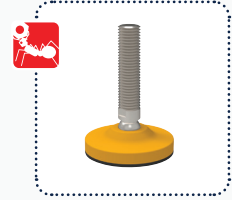
34702
Levelling Feet - Bolt Down

Pad & Bolt: mild steel, nickel plated



34703
Levelling Feet

Galvanised steel 1.425 (440C)



34705
Levelling Feet

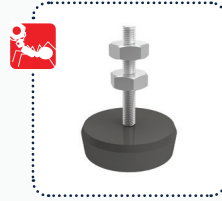
Steel 1.425 (440C)

Levelling Feet



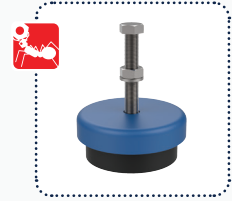
34723
Levelling Feet

Bolt: galvanised steel 1.425 (440C)



34900
Machine Mounts

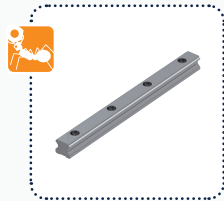
Steel body with silver zinc plated thread



34940
Heavy Duty Machine Mounts

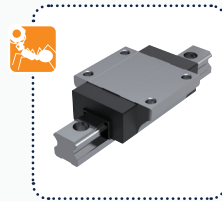
Coated steel body. Synthetic rubber base

Linear Guideways



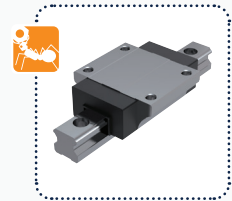
L1016
Linear Guide Rails

Hardened and ground steel (typically 60 HRc)



L1016.F
Flanged Carriages - Standard

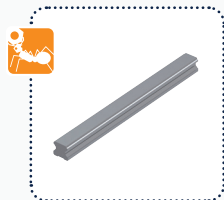
Hardened and ground steel. With retained ball cage



L1016.F-NC
Flanged Carriages - Standard

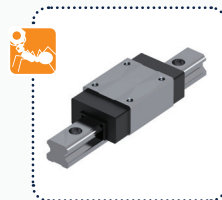
Hardened and ground steel. No ball cage

Linear Guideways



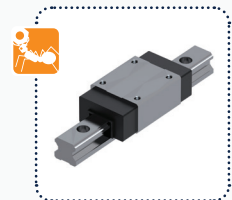
L1016.RF15
Linear Guide Rails

Hardened and ground steel (typically 60 HRc)



L1016.U
Unflanged Carriages - Standard

Hardened and ground steel



L1016.UL
Unflanged Carriages - Low

Hardened and ground steel

Match the ant icon to the relevant website



Wixroyd
wixroyd.com



Automation Components
automotioncomponents.co.uk



Teknipart
teknipart.co.uk

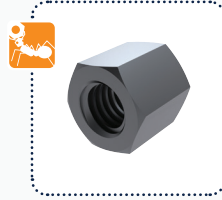


Lead Screws & Nuts



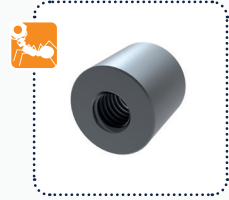
L1320
Lead Screws

Steel 1.0501 (C35) or
1.0503 (C45)



L1338
Hexagon Nuts

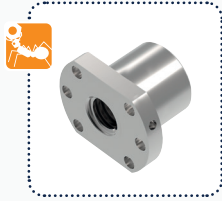
Steel 1.0737
(EN10277-3)



L1339
Cylindrical
Nuts

Steel 1.0737
(EN10277-3)

Ball Screws & Nuts



L1370
Flanged Ball
Nuts

Steel (16MnCr5 or
100Cr6)



L1372
Centre Flanged
Ball Nuts

Steel (16MnCr5 or
100Cr6)



L1375
Ball Screws

Steel 1.1213 (CF53)
or 1.1209 (C55R)

Linear Bearings



L1706
Closed Linear
Ball Bushings

Hardened and ground
body from bearing steel



L1712
Long Linear
Ball Bushings

Hardened and ground
body from bearing steel



L1718
Flanged Linear
Ball Bushings

Hardened and ground
body from bearing steel

Linear Bearings



L1722
Long Flanged
Linear Ball
Bushings

Hardened and ground
body from bearing steel



L1723
Long Flanged
Linear Ball
Bushings

Hardened and ground
body from bearing steel



L1730
Long Centre
Flange Linear
Ball Bushings

Hardened and ground
body from bearing steel

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the relevant website



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wixroyd.com



Automation Components
automotioncomponents.co.uk



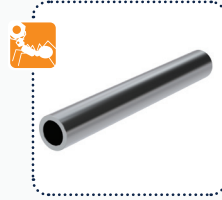
Teknipart
teknipart.co.uk

Linear Shaft Bars



L1770
Hardened
Shafts

Carbon steel 1.1213 (CF53)



L1771
Hardened
Hollow Shafts

Carbon steel 1.0601
(C60)

Long Linear Rails



L1918.CSW
Light Duty
Sliders

Zinc plated body



L1970.SBT
Solid Body
Sliders

(BS1449-HR1), zinc
plated



L1970.T
X Rails

(BS1449-HR1), zinc
plated

Shoulder Screws



P0138
Shoulder Bolts -
Hex. Head

Black alloy, strength
8,8



P0136
Shoulder Screws -
Hex. Socket Head

Black alloy, strength
12,9



P0144
Pan Head
Shoulder Screws

To DIN 923

Thumb Screws



P0400
Knurled Thumb
Screws

Zinc plated or
blackened



P0403
Knurled Thumb
Nuts

Zinc plated or
blackened



P0405
Flat Knurled
Thumb Screws

Zinc plated or
blackened

Match the ant icon to
the relevant website



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teknipart.co.uk



**Lifting Pins,
Bolts, Swing
Bolts, Points
& Shackles**



P4002
Swivel Eye
Bolts - Male

High tensile, strength
class >8



P4005
Double Swivel
Rings - Male

High tensile, strength
class >8



P4008
Double Swivel
Shackles - Male

High tensile, strength
class >8

**Lifting Pins,
Bolts, Swing
Bolts, Points
& Shackles**



P4012
Double Swivel
Lifting Points

High tensile, strength
class >8



P4015
Triple Swivel
Rings - Male

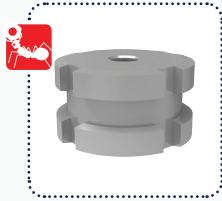
High tensile, strength
class >8



63501
Lifting Points -
Double Swivel
- Male

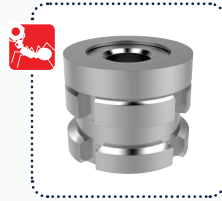
Forged alloy steel
(4140)

**Precision
Levelling
Adjusters**



62000
Precision
Adjusters

Type 42 CrMo4 V,
1.7225, zinc plated



62040
Tilt Head
Precision
Adjusters

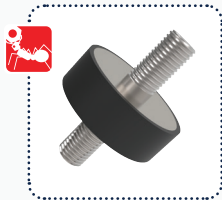
Type 42 CrMo4 V,
1.7225, zinc plated



62042
Tilt Head
Precision
Adjusters

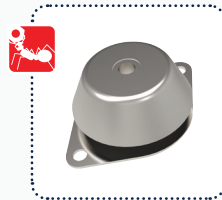
Type 42 CrMo4 V,
1.7225, zinc plated

**Anti
Vibration**



61040
Anti-Vibration
Cylinders

Silver zinc plated



61280
Anti-Vibration
Mounts

Silver zinc plated



61926
Spring Vibration
Dampers
- Five Spring

High tensile with
sylomer anti-slide base

Match the ant icon to
the relevant website



Wixroyd
wixroyd.com

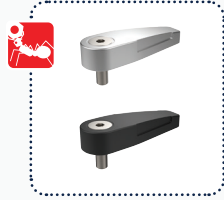


Automotion Components
automotioncomponents.co.uk



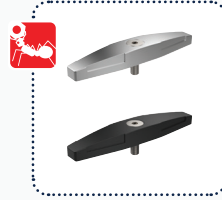
Teknipart
teknipart.co.uk

Retaining Catches



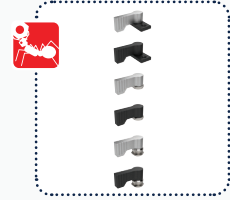
73900
Retaining Catches

Die-cast zinc



73902
Retaining Catches

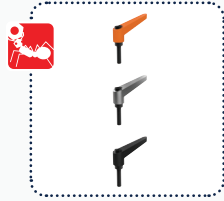
Die-cast zinc



73906
Retaining Catches

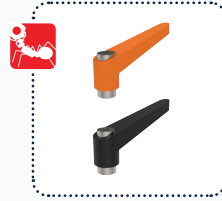
Die-cast zinc

Clamping Levers



74430
Adjustable Clamping Levers

Handle: die-cast zinc



74440
Adjustable Clamping Levers

Handle: die-cast zinc



74460
Adjustable Clamping Levers

Handle: die-cast zinc

Pull Handles



78700
Pull Handles

Precision ground & chromium plated



78780
Pull Handles - Offset

Precision ground & chromium plated



79570
Pull Handles - Collapsible

Precision ground & chromium plated

Hinges



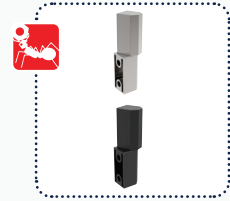
S1131
Surface Mount - Leaf Hinges

Die-cast zinc



S2404
Lift-Off Hinges - Off-Set

Die-cast zinc



S2500
Lift-Off Hinges - In Line

Die-cast zinc

Match the ant icon to the relevant website



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automotioncomponents.co.uk



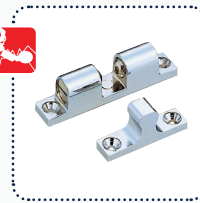
Teknipart
teknipart.co.uk



Catches & Latches



E1600
Push Lock -
Spring Loaded
Cams
Die-cast zinc



E4000
Tension
Catches
Zinc alloy



E4300
Tension
Catches
Zinc alloy

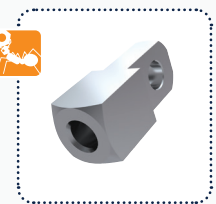
Clevis Joints



R3385
Clevis Joints
1.0718 (11SMnPb30k),
silver zinc plated



R3387
Clevis Joints
with Retention
Clips
1.0718 (11SMnPb30k),
silver zinc plated



R3420
Mating Piece
for Clevis
Joints
1.0718, silver zinc
plated

Clevis Joints



R3435
Clevis
Retention Clips
Silver zinc plated



R3440
Safety
Fasteners
(SLM)
Silver zinc plated



R3450
Clevis Pins
9SMnPb28, silver
zinc plated

Ball & Socket Joints



R3460
Ball and
Socket Joints
To DIN 71802 form CS



R3470
Ball and
Socket Joints
To DIN 71802 form CS



R3490
Ball and
Socket Joints
9sMnPb28, silver zinc
plated

Match the ant icon to
the relevant website



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wixroyd.com



Automotion Components
automotioncomponents.co.uk



Teknipart
teknipart.co.uk

Rod Ends



R3550
Heavy-Duty
Rod Ends -
Male
DIN ISO 12240-4



R3551
Heavy-Duty
Rod Ends
- Female
DIN ISO 12240-4



R3553
Heavy-Duty
Rod Ends -
Male
DIN ISO 12240-4

Rod Ends



R3570
Low Cost Rod
Ends - Female

Low carbon steel.
Silver zinc plated



R3571
Low Cost Rod
Ends - Male

Low carbon steel.
Silver zinc plated



R3610
Rod Ends with
Stud - Female

Zinc plated. DIN ISO
12240-4 series K

Universal Joints



R3680
Telescopic
Universal
Joints
9SMnPb28k, no.10718,
greased. To DIN 808

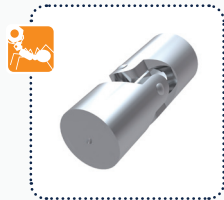


R3693
Universal Joints
- Quick Change
Coupling
9SMnPb28k, no.10718.
To DIN 808



R3685
Double
Universal
Joints
9SMnPb28k, no.
10718. To DIN 808

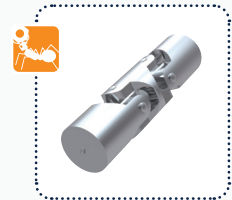
Universal Joints



R3687
Single
Universal
Joints - Solid
9SMnPb28k, no.
10718. To DIN 808



R3688
Single
Universal
Joints
9SMnPb28k, no.10718.
To DIN 808/7551



R3683
Double
Universal
Joints
9SMnPb28k, no.
10718. To DIN 808

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 **Wixroyd**
wixroyd.com

 **Automotion Components**
automotioncomponents.co.uk

 **Teknipart**
teknipart.co.uk

Aluminium

Al



Aluminium is a **highly versatile engineering material** widely used in industries such as **aerospace, automotive, construction, and packaging** due to its **lightweight nature, corrosion resistance, and excellent strength-to-weight ratio.**

It is particularly **beneficial in transport applications** where reducing mass improves fuel efficiency and performance, as well as in **construction where durability and low maintenance are important.**

Engineers also value aluminium for its conductivity and ease of fabrication, making it **suitable for everything from structural components to electrical systems and heat exchangers.**

Key material characteristics

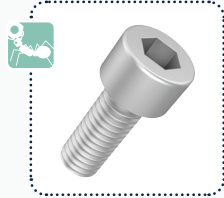
- Low density compared to most structural metals
- Excellent thermal and electrical conductivity
- High reflectivity of heat and light
- Good recyclability with minimal loss of properties
- Non-toxic and suitable for food-safe applications



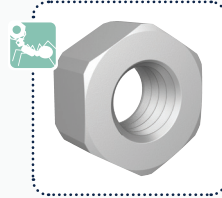
Aircraft Panels

Aluminium is used in aircraft panels for lightweight strength, corrosion resistance, to withstand stress temperature changes.

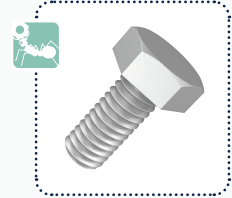
Fasteners

**A0020.A7**Hex. Socket
Head Cap
Screws

DIN 912, 7075

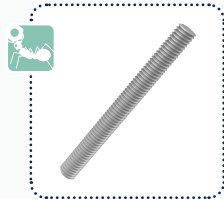
**A0501**

Hex Nuts

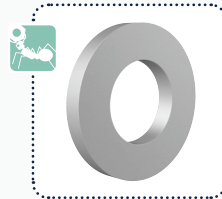
6061 (standard),
7075 (high tensile)**A0013.A6**Hexagon Head
Screw

6060 standard grade

Fasteners

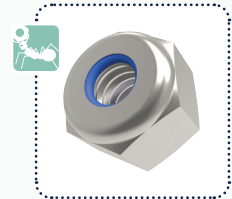
**A0491.A6**Threaded
Studs

Standard grade

**A0400.A0**

Flat Washers

H14, similar to A7

**A0504.A7**Prevailing
Torque Hex.
Thin Nuts

DIN 985, high tensile

Grips

**70040**

Palm Grips

DIN 6335 polished or
unpolished**70120**

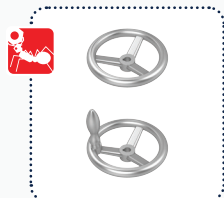
Star Grips

DIN 6336 polished or
unpolished**73132**

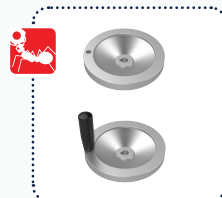
T-Handle Grips

Aluminium, plastic
coated

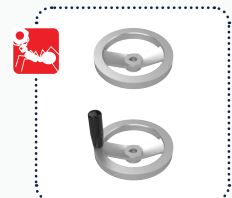
Handwheels

**77120**

Handwheels

Deburred. Hub machined.
Rim polished**77400**Disc Type
Handwheels

Mould casting

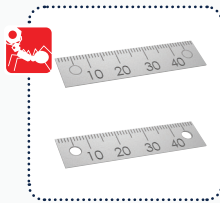
**77300**Handwheels
- 2 Spoke

Mould casting

Match the ant icon to
the relevant website**Wixroyd**
wixroyd.com**Automotion Components**
automotioncomponents.co.uk**Teknipart**
teknipart.co.uk



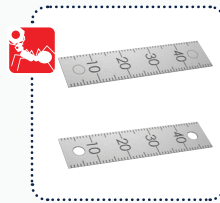
One Touch Fasteners



33975

Scale Plates -
Single Scale

With etched graduation/
markings



33976

Scale Plates -
Double Scale

With etched graduation/
markings

Pull Handles



78030

Pull Handles
- Oval

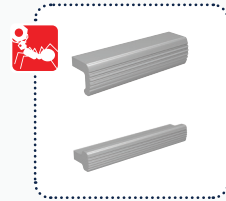
Flat-oval profiled
AlMgSi 0.5



78120

Pull Handles

Profiled aluminium Al
Mg Si 0,5



79620

Ledge Pulls

Profiled aluminium Al
Mg Si 0,5

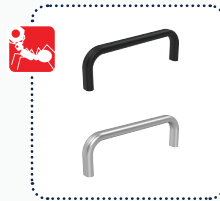
Pull Handles



78000

Cabinet
Handles

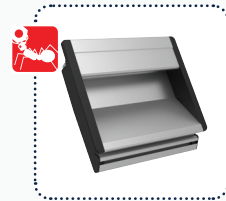
Rear mounting



78020

Pull Handles
- Oval

Oval aluminium, Al
Mg Si 0,5



79500

Recessed Pull
Handles

Profiled aluminium

Linear Bearings



L1750

Linear
Carriages

Closed



L1751

Linear
Carriages

Closed



L1765

Ceramic
Closed Linear
Bearings

Self-lubricating

Match the ant icon to
the relevant website



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automotioncomponents.co.uk



Teknipart
teknipart.co.uk

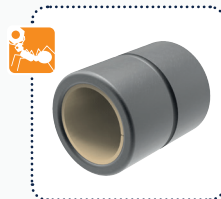
Linear Bearings



L1767

Ceramic
Open Linear
Bearings

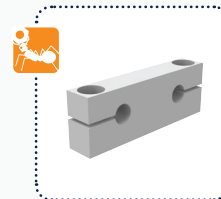
Self-lubricating



L1769

Thin Wall
Ceramic Linear
Bearings

Self-lubricating

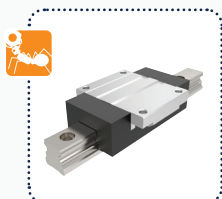


L1760

End Blocks for
Twin Shafts

Clearance and tapped
hole fixing

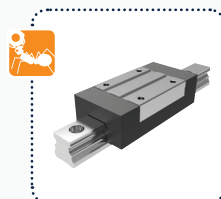
Linear Guideways



L1018.F

Flanged
Carriages

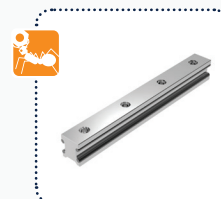
X46Cr13 hardened to F35,
tensile strength 350N/mm²



L1018.U

Unflanged
Carriages

X46Cr13 hardened to F35,
tensile strength 350N/mm²

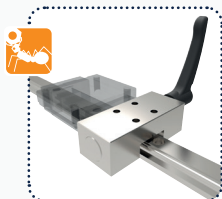


L1018

Linear Guide
Rails

AlMgSi0.5, anodized
12-15µ

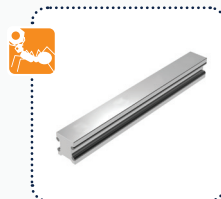
Linear Guideways



L1016.CL

Rail Clamps

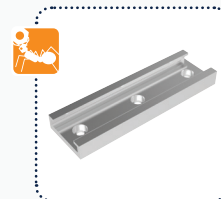
Manual



L1018.25R

Linear Guide
Rails

Rear fixing. AlMgSi0.5,
anodized 12-15µ



L1301

Mini Slide Rail

9-micron anodized
film

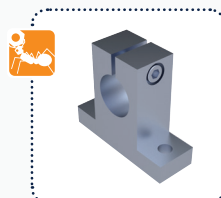
Linear Shaft Supports



L1752

Open Linear
Ball Bushing
Carriages

Unflanged



L1779.AL

Shaft End
Supports

P40, 6060



L1755

Flanged Linear
Carriages

Open

Match the ant icon to
the relevant website



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automotioncomponents.co.uk



Teknipart
teknipart.co.uk



Linear Shaft Bars



L1778
Shafts

EN AW 6061/6060

Linear Tables



L1024
Ball Slide
Assemblies

Carriage (clear anodized)
and base (black anodized)



L1038
Anti-Creep
Ball Slide
Assemblies

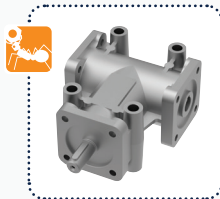
Carriage (clear anodized)
and base (black anodized)



L1026
Crossed Roller
Slides

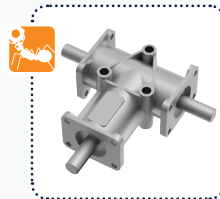
Black anodized

Right Angle Gear Boxes



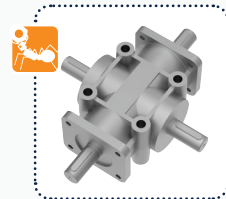
R2336
Right Angle
Drives - Hollow
2 Shafts

Lightweight aluminium
alloy housing



R2307
Right Angle
Drives
- 3 Shafts

Lightweight aluminium
alloy housing



R2342
Right Angle
Drives
- 4 Shafts

Lightweight aluminium
alloy housing

Match the ant icon to
the relevant website



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teknipart.co.uk

Titanium

Ti



Titanium is a high-performance engineering material widely used in **aerospace, medical, marine, and chemical processing industries** due to its **exceptional strength-to-weight ratio, corrosion resistance, and biocompatibility**.

It is particularly **valuable in aerospace and automotive sectors for reducing weight while maintaining structural integrity**, and in **medical applications for implants** due to its compatibility with the human body. Engineers also rely on titanium in **aggressive environments where durability and resistance to chemical attack are critical**.

Key material characteristics

- Low density relative to strength
- Excellent fatigue resistance under cyclic loading
- High melting point and good performance at elevated temperatures
- Strong resistance to stress corrosion cracking
- Good compatibility with composite materials



Medical

Titanium is used in joint replacements because it is strong, lightweight, corrosion-resistant, and biocompatible, integrating well with bone.

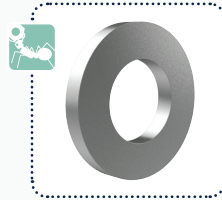


Fasteners



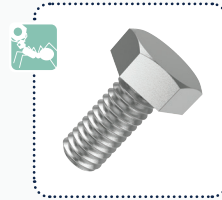
T0010.91T
Socket Cap
Screws

Grade 2 or Grade 5



T0400.12T
Flat Washers

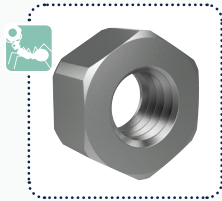
DIN 125 A. Grade 2 or
Grade 5



T0013.93T.2
Hex Head Set
Screws

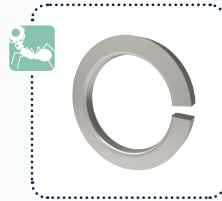
Grade 2 or Grade 5.
DIN 933

Fasteners



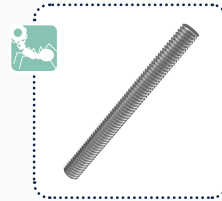
T0501
Hexagon Full
Nuts

Grade 2 or Grade 5.
DIN 934



T0403
Spring Lock
Washers

Grade 2 or Grade 5.
DIN 127



T0491.T2
Threaded Rods

Grade 2. DIN 975

Captive
Screws



P0160.Ti
Captive Thumb
Screws

Grade 2 or Grade 5



P0154.Ti
Captive Screws
- Cap Head

Grade 2 or Grade 5

Shoulder
& Standard
Screws



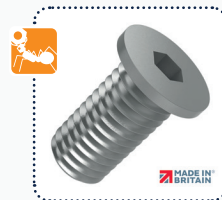
P0130.T5
Shoulder
Screws
- Cap Head

ASTM B348 grade 5;
Ti6Al4V



P0208.Ti
Ultra Low Head
Cap Screws

ASTM B348 grades
2 or 5



P0207.Ti
Extra Low
Head Cap
Screws

ASTM B348 grades
2 or 5

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the relevant website



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teknipart.co.uk

Bronze

BRZ



Bronze is a copper - tin alloy widely used in **marine, construction, and mechanical applications** due to its **corrosion resistance, durability, and low friction**.

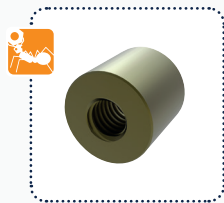
It is especially valuable in saltwater environments and in components such as **bearings and bushings** where **smooth, long-lasting performance is required**.

Its **good machinability and reliability** make it suitable for demanding engineering applications.

Key material characteristics

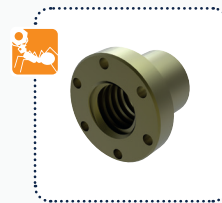
- Low friction coefficient
- Good wear resistance in sliding applications
- Non-sparking properties
- Excellent machinability
- Good thermal conductivity

Lead & Screw Nuts



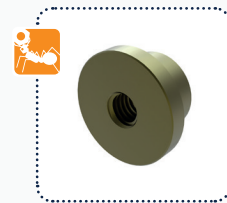
L1330
Cylindrical Nuts

CuSn7ZnPb. To ISO 2901/2903 & DIN 103



L1331
Flanged Nuts

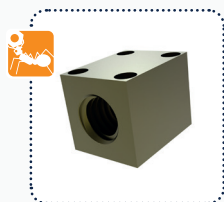
CuSn7ZnPb



L1332
Plain Flanged Nuts

CuSn7ZnPb

Lead & Screw Nuts



L1334
Square Nut with Through Holes

CuSn7ZnPb

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Brass

BS



Brass is a copper-zinc alloy widely used in **electrical, automotive, and decorative industries** due to its **excellent machinability, corrosion resistance, and aesthetic appeal**.

It is particularly **useful in fittings, valves, and electrical connectors** where precision and reliability are essential. Engineers favour brass for its ability to be **easily formed and machined into complex shapes** while maintaining good strength and conductivity.

Key material characteristics

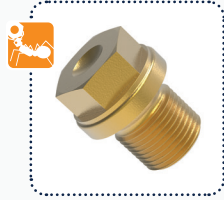
- Good acoustic properties
- Easy to cast and form
- Low melting point compared to steel
- Good corrosion resistance in water systems
- Non-ferrous and non-magnetic



Mechanical Pocket Watch

Brass is used in mechanical situations because it is durable, easy to machine, corrosion-resistant, and has low friction.

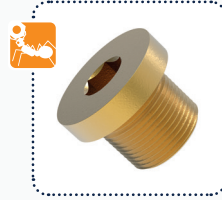
Blanking Plugs



P0182

Blanking Plugs
Heavy Duty

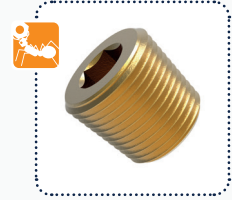
To DIN 910



P0183

Blanking Plugs
with Collar

To DIN 908



P0184.NPT

Blanking Plugs
- Dry Seal

To DIN 906

Fasteners



B6003.B0

Hexagonal
Pillars

CZ 121. Bright nickel-
plated



B1084.B0

Swing Bolts

To DIN 444 B

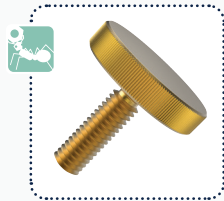


B0020.B0

Hexagon
Socket Head
Cap Screws

Cu3 Cuzn39pb3.
To DIN 912

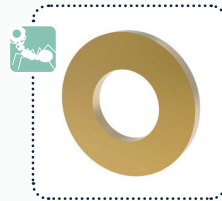
Fasteners



B0106.B0

Flat Knurled
Thumb Screws

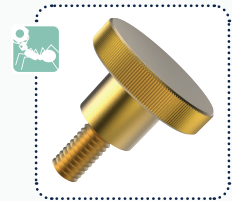
Cu3 Cuzn39Pb3.
To DIN 653



B0409.B0

Large Diameter
Washers

To DIN 9021, ISO
7093



B0100.B0

Knurled Thumb
Screws

To DIN 464

Hinges



T2200

Glass Door
Hinges

Glass to Glass Type.
Nickel, chrome or gold finish



T2220

Glass Door
Hinges

Inset Type. Nickel,
chrome or gold finish



T2240

Glass Door
Hinges

Overlay Type. Nickel,
chrome or gold finish

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the relevant website



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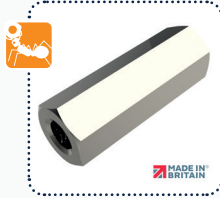
Automotion Components
automotioncomponents.co.uk



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teknipart.co.uk



Spacers



P0060.BR

Hexagonal
Spacers

Brass 2.0402. Bright
nickel-plated



P0061.BR

Hexagonal
Pillars

Brass CZ 121. Bright
nickel-plated

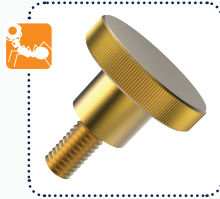


P0065.BR

Clearance
Spacers

Bright nickel-plated

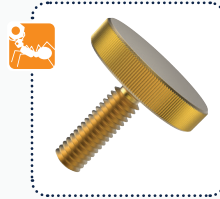
Thumb Screws



P0400.BR

Knurled Thumb
Screws

To DIN 464

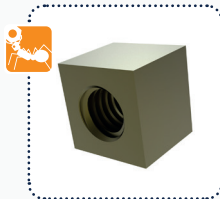


P0405.BR

Flat Knurled
Thumb Screws

To DIN 653

Lead Screws & Nuts

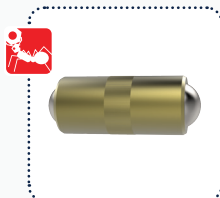


L1335

Square Nuts

EN 12164, CW614N-M

Spring Plungers



32350

Spring
Plungers

Doubled ended

Match the ant icon to
the relevant website



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teknipart.co.uk

Iron

Fe



Iron is widely used in **construction and manufacturing**, particularly as the base material for steel production, making it **fundamental to modern engineering**.

It is valued for its **strength, availability, and excellent castability**, which allows it to be formed into complex shapes for a wide range of applications.

Iron is especially suitable for **heavy-duty and structural uses, such as machinery, infrastructure, and load-bearing components**, where durability, stability, and long service life are essential.

Key material characteristics

- High compressive strength
- Good vibration damping capacity
- Excellent castability
- Good wear resistance in certain forms
- Magnetic properties

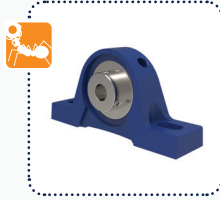


Eiffel Tower, Paris, France

Iron used in the Eiffel Tower, provides structural strength, lightweight framework, enabling unprecedented height stability.



Bearing Mounts



L1860
Pillow Block
Bearing Units

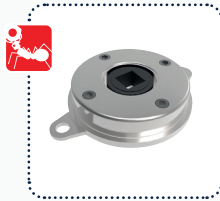
Cast iron (FG20 or
FG25)



L1864
Oval Flanged
Bearing Units

Cast iron (FG20 or
FG25)

Disk Dampers



Q3200
Disk Dampers

Bi-directional. Iron (SPFC)

Cranked & Revolving Handles



75200
Cranked
Handles

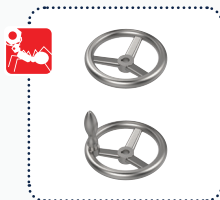
In malleable or
nodular cast iron



75220
Cranked
Handles

In malleable or
nodular cast iron

Handwheels



77100
Handwheels

Grey cast iron GG

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the relevant website



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Grips



70000
Palm Grips

Cast iron GG20,
bright



70020
Palm Grips

Cast iron GG20,
plastic-coated



70100
Star Grips

GG20 cast iron, bright

Clamping Levers



74000
Clamping
Levers

Malleable iron



74100
Double
Clamping
Levers

Malleable iron



PEEK (Polyether ether ketone)

PEEK



PEEK is a **high-performance thermoplastic** used in **aerospace, medical, oil and gas, and automotive industries** for its **strength, chemical resistance, and ability to operate at high temperatures.**

It is often used as a **lightweight alternative to metals** in demanding applications such as **implants and high-performance components** where durability and stability are essential.

Key material characteristics

- Very high continuous operating temperature
- Excellent creep resistance
- High dimensional stability
- Resistant to radiation
- Good electrical insulation properties

Fasteners



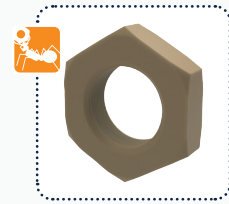
P0500.NP
Cap Head
Hexagon Socket

Polyether-ether-ketone
Natural. Beige



P0501.NP
Hexagonal Head
Set Screw

Polyether-ether-ketone
Natural. Beige



P0502.NP
Hexagon Nuts

Polyether-ether-ketone
Natural. Beige

Fasteners



P0504.NP
Male-Female
Hexagonal
Spacers

Polyether-ether-ketone
Natural. Beige



P0508.NP
Ultra Low Head
Cap Screws

Polyether-ether-ketone
Natural. Beige



P0509.NP
Torx Low Cap
Head Screws

Polyether-ether-ketone
Natural. Beige

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the relevant website



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Nylon

PA



Nylon is an engineering thermoplastic commonly used in **automotive, manufacturing, textiles, and consumer goods** due to its **strength, flexibility, and wear resistance**.

It is widely used for components such as **gears, bearings, and fasteners** where **low friction and durability are required**. Engineers value nylon for its **balance of toughness and lightweight properties**, making it suitable for replacing metal in certain applications.

Key material characteristics

- Good abrasion resistance
- High impact strength
- Self-lubricating properties
- Absorbs moisture from environment
- Electrically insulating



Aerospace

Nylon is used in aerospace for lightweight strength, durability, flexibility, resistance, cables, fasteners, insulation and interior components.



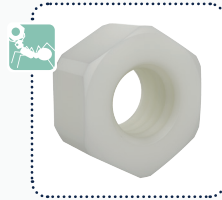
Fasteners



N0001.84N

Slot Cheese Machine Screws

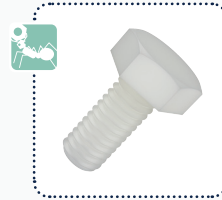
PA 6/66 standard.
To DIN 84



N0500.N0

Hexagon Full Nuts

PA 6/66 standard.
To DIN 84

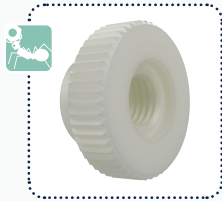


N0010.93N

Hexagon Head Set Screws

To DIN 933, ISO 4017

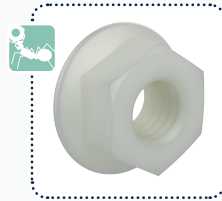
Fasteners



N0100.10N

Knurled Nuts

PA 6/66 standard



N0523.N0

Full Nuts With Flange

To DIN 6923

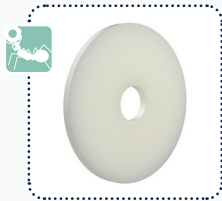


N0400.04N.1

Plain Washers

Various sizes

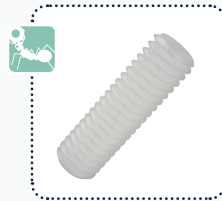
Fasteners



N0401.90N

Flat Penny Washers

PA-6/66. To DIN 9021



N0028.55N

Enclosed Slotted Screw Set Flat Point

PA-6/66. To DIN 551



N0427.N0

Shoulder Washers

Standard

Fasteners



N0013.11N

Slot Countersunk Screws

PA 6/66 standard.
To DIN 963



N0004.85N

Slot Pan Screws

PA 6/66 standard.
To DIN 85



N0510

Wing Nuts

To DIN 315 AF

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Fasteners



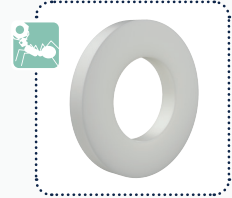
N0511
Wing Nuts

PA 6/66 natural white



N0025.25N
Phillips Pan
Screws

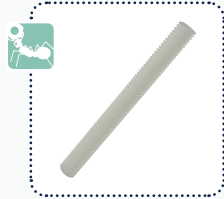
PA 6/66 standard.
To DIN 7985



N0403.12N
Flat Washers

To DIN 125 A

Fasteners



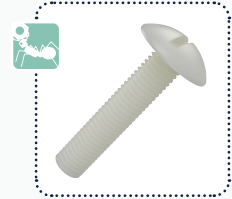
N0390.97N
Threaded
Studs

PA 6/66 standard.
To DIN 975



N0016.96N
Slot Raised
Countersunk
Screws

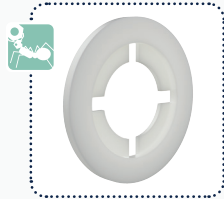
PA 6/66 standard.
To DIN 964



N0053.73N
Slot Mushroom
Machine Screws

PA 6/66 standard

Fasteners



N0434.21N
Retaining
Washers

PA 6/66 standard



N0007.91N
Socket Cap
Screws

PA 6/66 standard.
To DIN 912

**Levelling
Feet**



34721
Levelling Feet

Pad: polyamide
reinforced nylon



34741
Levelling Feet

Pad: polyamide
reinforced nylon

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the relevant website



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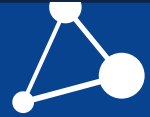
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automotioncomponents.co.uk



Teknipart
teknipart.co.uk

Plastic

ABS/PA/POM



Thermoplastics such as **polyethylene** and **polyamide (nylon)** are widely used in engineering across industries including **automotive, packaging, construction, and consumer goods** due to their **versatility, lightweight nature, and ease of processing**.

Polyethylene is commonly used for **pipng, containers, and insulation** because of its **chemical resistance and durability**, while **polyamide** is favoured for mechanical components like **gears and bearings** due to its **strength and wear resistance**.

Engineers choose these materials for applications where **corrosion resistance, reduced weight, and efficient manufacturing are important**, making them suitable alternatives to metals in many designs.

Key material characteristics

- Wide range of density and stiffness options depending on type
- Good resistance to impact and environmental stress cracking
- Low moisture absorption (polyethylene) vs higher absorption (polyamide)
- Good electrical insulation properties across most grades
- Compatible with high-volume manufacturing methods such as injection moulding



Whale of the Wharf,
London, UK

Plastics are used in Whale Wharf sculpture for lightweight durability, weather resistance, enabling recycled materials form structure.

Cam Latches



A1021
Cam Latches
- Flexi-System

Body: polyamide
plastic, black



A1203
Cam Latches
- Flexi-System

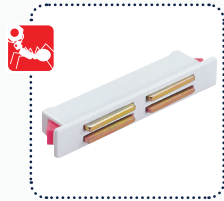
Type two: body &
handle: polyamide



A1520
Panel Latches

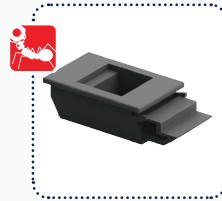
Insert driver - low
profile

Catches & Latches



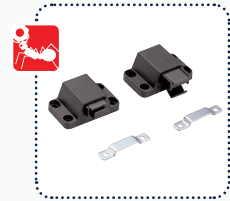
E5400
Magnetic
Catches

ABS plastic



E2031
Slide Latches
- Flush

ABS plastic



E2800
Touch Latches

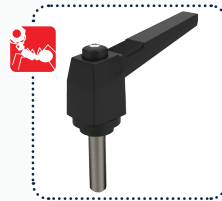
ABS plastic

Clamping Levers



74760
Adjustable
Clamping
Levers

Matt thermoplast



74820
Adjustable
Clamping
Levers

Matt thermoplast



74780
Adjustable
Clamping
Levers

Matt thermoplast

Cranked & Revolving Handles



75150
Rotating
Handles

Thermoplastic, black
matt



75360
Cranked
Handles

Thermoplastic, black
matt



75160
Rotating
Handles

Thermoplastic, black
matt

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the relevant website



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Grips



72430
Knurled Knobs

Thermoplastic, black matt



70660
Three Lobed Knobs

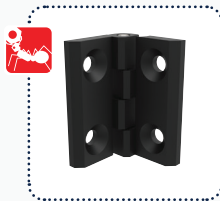
Thermoplastic, black matt



70610
Star Grips

Thermoplast (PA 6)

Hinges



S0563
Surface Mount - Leaf Hinges

Polyamide



S4002
Adjustable Torque - Friction Hinges

Polyamide



S1120
Surface Mount - Leaf Hinges

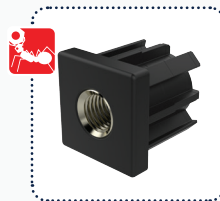
Polyamide, DIN-EN ISO 1043-1 PA 6 GFR 30

Levelling Feet



34723
Levelling Feet

Polyamide reinforced by fibre glass



34694
Threaded Insert - Square

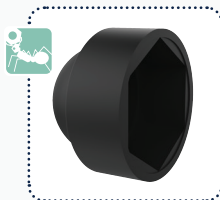
Polyamide reinforced by fibre glass



34726
Levelling Feet - Heavy Duty

Polyamide reinforced by fibre glass

Fasteners



N0540
Nut Covers

Polyethylene (PE)



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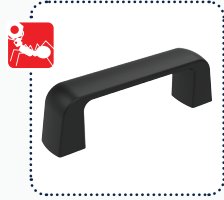


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Pull Handles



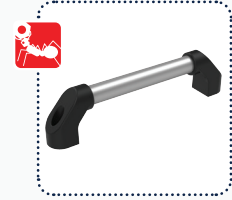
79180
Pull Handles

Thermoplastic, black matt



79120
Pull Handles

Solid thermoplastic PA 6



79250
Pull Handles

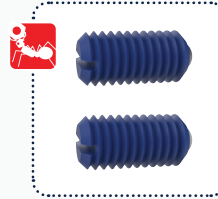
Polyamide PA6

Spring Plungers



32302
Expander Fit Spring Plungers

Thermoplastic POM



32000
Spring Plungers

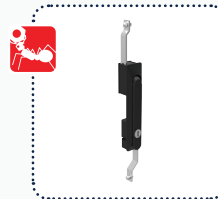
Thermoplastic POM

Swing Handles



B1281
Swing Handles - Cam Control

Polyamide PA6



B2181
Swing Handles - with Rod Control

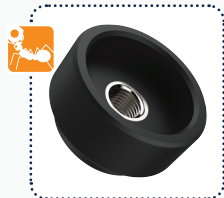
Polyamide (PA)



B1088
Swing Handles - Cam Control

Type two: Polyamide PA6

Thumb Screws



P0441
Knurled Nuts

Thermoplastic (PA), black



P0440.ZP
Knurled Thumb Screws

Thermoplastic (PA), black



P0440.A2
Knurled Thumb Screws

Thermoplastic (PA), black

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Neoprene

CR



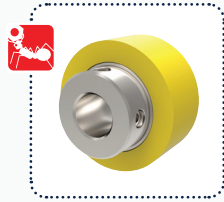
Neoprene is a synthetic rubber used in **marine, automotive, and industrial applications** for its **resistance to weathering, chemicals, and oils.**

It is commonly used in **seals, gaskets, and insulation** where **durability and flexibility** are required in **harsh environments.**

Key material characteristics

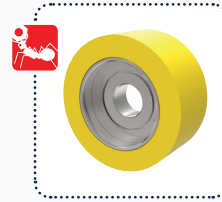
- Good flexibility over a wide temperature range
- Resistant to UV and ozone degradation
- Moderate tensile strength
- Good flame resistance
- Maintains properties under compression

Material Handling



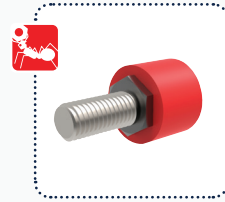
60626
Solid Rollers

Shaft drive



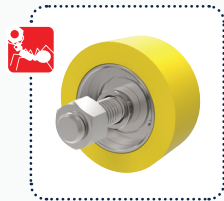
60622
Solid Rollers

Bearing mount



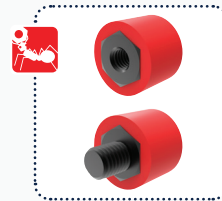
60890
Metric Bumpers with Hex Shoulder
Round. Male

Rollers & Bumpers



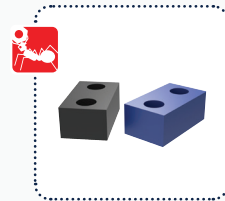
60624
Solid Rollers

Stud mount



60880
Metric Bumpers - Round

Male and female



60900
Metric Bumpers

Rectangular and square

Match the ant icon to the relevant website



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Urethane

PU



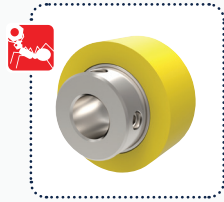
Urethane, or polyurethane, is a **versatile polymer used across automotive, construction, and industrial applications** due to its **durability, flexibility, and abrasion resistance**.

It is commonly used in components such as **seals, wheels, and coatings where resilience and impact resistance are required**, with the ability to range from soft to rigid forms depending on the application.

Key material characteristics

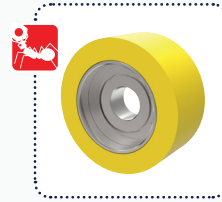
- Excellent abrasion resistance
- High elasticity and resilience
- Good load-bearing capability
- Resistant to oils and solvents
- Good tear strength

Material Handling



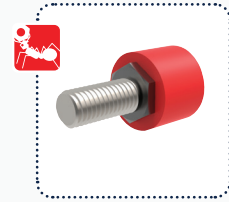
60626
Solid Rollers

Shaft drive



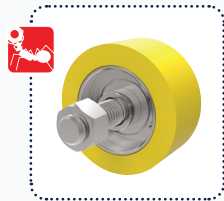
60622
Solid Rollers

Bearing mount



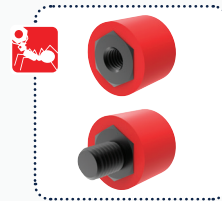
60890
Metric Bumpers with Hex Shoulder
Round. Male

Rollers & Bumpers



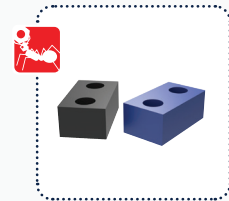
60624
Solid Rollers

Stud mount



60880
Metric Bumpers - Round

Male and female



60900
Metric Bumpers

Rectangular and square

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Other Materials

Alongside the core materials featured throughout this catalogue, a wider range of materials are also available across our product offering or make up a product.

These materials are selected to support specific application requirements, including **durability, flexibility, wear resistance, sealing performance and electrical conductivity.**

Additional materials you will come across in our product range:

- **Alloy**
- **Nitrile**
- **Silicone**
- **Polyacetal**
- **Copper**
- **Rubber**
- **Carbide**

Material	Key Features & Benefits	Common Industries	Products
Alloy	High strength, durability, wear resistance	Aerospace, automotive, manufacturing	Grippers
Copper	Excellent electrical and thermal conductivity, corrosion resistant	Electrical, electronics, energy	Coolant nozzles, washers
Nitrile	Oil and fuel resistant, flexible, good sealing properties	Automotive, hydraulics, pneumatics	Material handling, rollers
Rubber	Shock absorption, flexibility, vibration reduction, good sealing properties	Industrial, transport, machinery	Anti-vibration, levelling feet, rod ends, toggle clamp accessories, universal joints
Silicone	High temperature resistance, flexible, weather resistant	Food processing, medical, electronics	Anti-vibration components
Carbide	Extremely hard, wear resistant, high performance in demanding environments	Tooling, manufacturing, engineering	Grippers & rest pads
Polyacetal	Lightweight, low friction, good dimensional stability, good strength	Automation, machinery, engineering	Standard spur gears, catches, latches, hinges

The Wixroyd Group family

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.

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.**

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Whether you're refining a design, reviewing specifications or looking for a suitable material alternative, our technical team can help.

We can discuss your application requirements, material considerations or product options across the Wixroyd Group range.

We can help with:

- ✓ Material selection guidance
- ✓ Product suitability and availability
- ✓ Application and specification support
- ✓ Alternative material options
- ✓ Cross-brand product enquiries
- ✓ Bespoke, custom designs

Request a call back today and speak to a member of our technical team.



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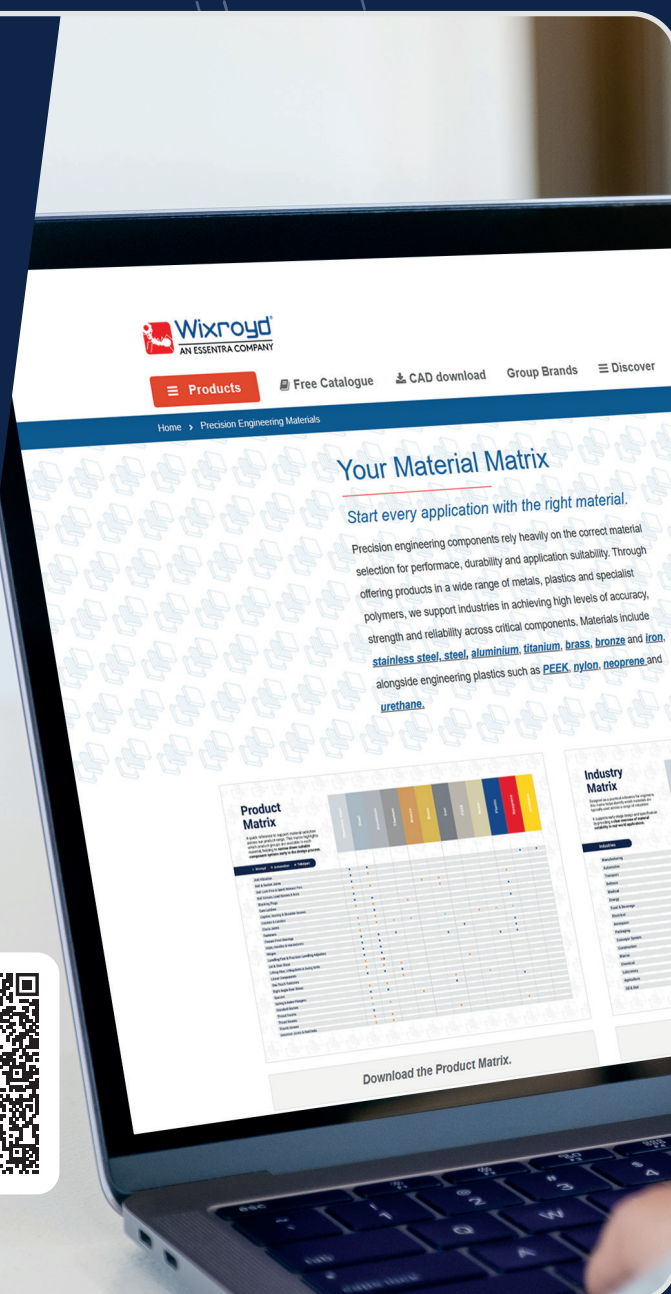
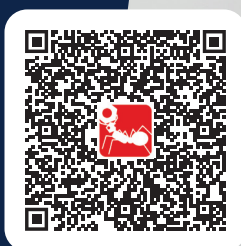
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