



INDUSTRIAL MANUFACTURING SINCE 1923



OVERVIEW CATALOGUE

# **Industrial manufacturing since 1923**

In the early twentieth century Rencol developed engineered plastic solutions ranging from electric car batteries and recharging stations to the plastic "Joylight" internal combustion engine.

By the 1970s our focus on components had emerged and the Rencol name became synonymous with high quality knobs, handles and handwheels.

# Today, Rencol continues to grow, adapt and innovate:

- Our product range is extensive, industry-standard and growing.
- Our manufacturing partners are in key international locations, each chosen for their expertise, compatibility with our values and cost effectiveness.
- Our distribution network is worldwide and expanding.
- Our global supply chain has been in successful continuous operation for over a decade.
- Our personnel are experienced, knowledgeable and committed to our customers

Rencol's flexible manufacturing capabilities, engineering expertise, global supply chain and market knowledge allow us to develop cost-effective product solutions that exceed our customers' expectations.



# **Modifications & Custom Components**

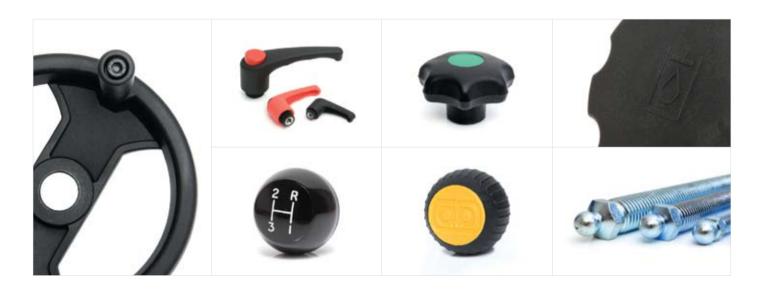
Diverse manufacturing capabilities and experienced on-site technical personnel allow Rencol to offer a wide range of product modifications and custom product solutions. We regularly adapt standard components or manufacture custom products to suit our customers' specific requirements. New tooling can be produced quickly and cost effectively with a typical MOQ of just 500 pieces.

# **Manufacturing processes**

Plastic & Metal Injection Moulding / Die casting / Machining / Forging / Stamping / Rapid Prototyping / 3D Printing

# **Modifications & custom options**

Thread size & length / RAL Colours / Engraving / Pad-Printing & Screen-Printing / TPE Over mould / Materials / Finishes / Logos



# For more information

Visit **www.rencol.com** to request a quotation, view full product specifications and find contact details for our international distributors. To check price and availability, request free samples, place an order, progress an order or speak to an advisor:

Call our customer service team on: +44 (0)117 916 0090

Or email: sales@rencol.com

Our opening hours:

Monday to Friday 8.30am to 5.00pm (GMT)

# **Technical Specifications**

# Thermoplastic

Material: Nylon 6 / Polypropylene (PP)

Working temperatures: Nylon up to 130°C peak and 80°C

continuous use. Polypropylene maximium 70°C.

Resistant to: alcohols, esters, aromatic hydrocarbons, diluted alkalis, ketones, oils, fuels, grease, fats, weatherability (including

UV light - excludes coloured Nylon) and salt water.

With PP also avoid halogenated hydrocarbons and flammable

materials (can hold static charge).

# **Reinforced Thermoplastic**

Material: Nylon 6 glass filled

Working temperature: up to 180°C peak, 110°C continuous use. Resistant to: alcohols, esters, aromatic hydrocarbons, diluted alkalines, ketones, oils, fuels, grease, fats, weatherability (including UV light) and salt water.

## **Duroplast**

Material: Phenolic Based Duroplast (PF) Working temperature: -30°C to 160°C

Resistant to: diluted mineral acids, alcohols, chlorinated hydrocarbons, aromatic hydrocarbons, detergents, grease, oils, weatherability (including UV light). Avoid high pressure or high impact loads (can shatter).

# **Soft-Touch Mouldings**

Material: Polypropylene substrate, TPE over-mould. Rencol has standard parts already available in this design, used particularly extensively in both industrial and special needs market products.

#### **Brass**

Material: BS2874 CZ121. Especially recommended for any materials likely to have continued exposure to temperatures below -30°C, where most steel grades become brittle. Also used as a marine grade material when nickel plated.

#### Zinc Plated Steel

Material: EN1A leaded-bright zinc passivated.

#### Stainless Steel

Material: BS970 303-S31. Standard grade is 304. For medical, catering or marine use recommended grade is 316 - has high chloride resistance

## **Aluminium**

Grades are 3061 and A380. Others available on request.

#### Colours

Colour options include black, red, yellow, green, blue, white and grey. Other colours are available on request. If you would like to see the colours before ordering, samples can be provided free of charge.

# **Thread Depths**

Wherever possible thread depths are a minimum of 1.5 x the diameter of the thread

#### **Tolerances**

In general, our products are produced to the following tolerances:

Bore sizes:  $\pm$  0.1mm (0.004in)

Outside dimensions: ± 0.5mm (0.020in)
Male thread length: ± 1mm (0.040in)



Rencol Components is **ISO 9001:2008 Certified**Our components are **REACH & RoHS Compliant** 

# Key

Colour options

**HD** Heavy Duty

ss Stainless Steel

Soft Touch TPE over mould

Visible (fixing from above)

Concealed (fixing from below)

# Bridge Handles & Pull Handles

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# **Bridge Handles & Pull Handles**

#### Please note:

DBC measurement refers to 'distance between centres' of the plain bore or female threaded fixings.



# Model 01V BH 🦫 💟

Reinforced matt finish black nylon. Moulded bore, fixing from above. 93.4 / 117 / 132 / 179mm DBC. 6.5mm up to 8.5mm bore size. Coloured caps on request.



# Model 01C BH 🦫 🤇

Reinforced matt finish black nylon. Threaded brass inserts. 93.4 / 117 / 132 / 179mm DBC. M6 up to M12. Coloured caps on request.



## Model 02 BH V

Reinforced matt finish black nylon. Moulded bore, fixing from above. 93.5 / 117 / 132 / 179mm DBC. 6.5mm up to 8.5mm bore size.



# Model 03 BH V

Reinforced matt finish black nylon. Moulded bore, fixing from above. 93.5 / 117 / 132 / 179 / 225mm DBC. 6.5mm up to 8.5mm bore size.



# Model 04 BH <a>BH</a>

Reinforced matt finish black nylon. Threaded brass inserts. 117 / 160mm DBC. M5 up to M6.



# Model 05 BH V

Reinforced matt finish black nylon. Moulded bore, fixing from above. 117mm DBC. 8.5mm bore size.



# Model 06 BH V

Matt finish black Ultramid B3K. Moulded bore, fixing from above. 120 / 150mm DBC. 6.5mm bore size.



# Model 07 BH

Reinforced matt finish black nylon. Threaded brass inserts. 94 / 117 / 120 / 132 / 150 / 179mm DBC. M5 up to M8.



## Model 08C BH []

Black powder coated aluminium. Machined threads. 100 / 112 / 128 / 160 / 192mm DBC. M6 up to M8.



### Model 08V BH V

Black powder coated aluminium. Machined threads, fixing from above. 116 / 132 / 164 / 196mm DBC. 6.4mm bore size



## Model 09 BH V

Matt finish black Ultramid B3K. Moulded bore, fixing from above. 92 / 120 / 145mm DBC. 5.3mm up to 6.5mm bore size. Comes with cover caps.



# Model 10 BH []

Gloss finish black duroplast. Threaded brass insert. 113 / 150mm DBC. M6 to M8.



## Model 11 BH

Polished chrome plated steel. Machined threads. 88 / 96 / 120 / 180 / 235mm DBC. M3 up to M5. Complete with dress rings.



# Model 12 BH [6]

Anodised silver aluminium. Machined threads. 100 / 125 / 130mm DBC. M6 thread.



#### Model 13 BH []

Anodised black or natural aluminium. Machined threads. 55 / 88 / 120 / 180 / 235mm DBC. M5 thread. Complete with screws and washers.



#### Model 14 BH

Anodised black or silver aluminium. Machined threads. 55 / 88 / 100 / 120 / 180 / 235mm DBC M5 thread



# Customer service you can rely on

Our experienced and friendly customer service team can guide you through pre-purchase options and provide up-to-date information on manufacturing and shipping schedules. Perhaps you need advice on the best component for your application? Or a bespoke solution? Our team is here to help!



# Model 15 BH SS [6]

Electro polished stainless steel. Machined threads. 195 / 300mm DBC. M6 thread.



# Model 16 BH 😵 💟

Black/black or orange/black nylon. Two-part moulding with base and cap. Moulded bore and fixing from above. 95.5mm DBC 6.5mm bore size



# Model 17 BH [

Matt silver anodised aluminium. Machined thread. 90 / 120mm DBC. M6 thread



# Model 18 BH HD V

Reinforced matt finish black nylon. Moulded bore fixing from above. 140mm DBC. 6.5mm bore size



## Model 19 BH []

Highly polished chrome plated steel. Male thread. 100 / 120 / 180mm DBC. M10 thread.



# Model 20 BH HD V

Black reinforced nylon and silver metal tube. Moulded bore fixing from above. 210 / 250mm DBC.



# **Clamping Handles & Levers**



# Model 01F CH 🦫

Black or orange 15% glass filled nylon handle with brass insert. Black, red, orange or grey cap. 43 / 65 / 83 / 104mm length. M5 up to M16.



# Model 01M CH 🦫

Black or orange 15% glass filled nylon handle with zinc plated steel thread. Black, red, orange or grey cap. 43 / 65 / 83 / 104mm length. M5x15mm up to M16x50mm.



## Model 02F CH 🦫

Black or orange 15% glass filled nylon handle with brass insert. Black, red, orange or grey cap. 43 / 65 / 83 / 104mm handle length. M5 up to M16.



## Model 02M CH 🦫

Black or orange 15% glass filled nylon with zinc plated steel thread. Black, red, orange or grey cap. 43 / 65 / 83 / 104mm length. M5x10mm up to M16x50mm.



## Model 03F CH 🧆

Black or orange 15% glass filled nylon handle with blackened steel insert. Allen key fixing screw. 42 / 65 / 83mm handle length. M5 up to M12.



# Model 03M CH 🦫

Black or orange 15% glass filled nylon handle with steel thread. Allen key fixing screw. 42 / 65 / 83mm handle length. M6x16mm up to M12x63mm.



# Model 04F CH 🔷 HD

Black or orange die cast zinc handle with blackened steel insert. Allen key fixing screw. 42 / 65 / 78 / 92 / 108mm handle length. M4 up to M16.



# Model 04M CH 🕯 🖽

Black or orange die cast zinc handle with steel thread. Allen key fixing screw. 42 / 65 / 78 / 82 / 108mm handle length. M5x16mm up to M16x40mm.



# Model 05F CH HD SS

Stainless steel polished handle and stainless steel insert. Allen key fixing screw. 42 / 65 / 78 / 92 / 108mm handle length. M5 up to M16.



# NEW Model 05M CH HD SS

Stainless steel polished handle and stainless steel thread. Allen key fixing screw. 42 / 65 / 78 / 92 / 108mm handle length. M6x20mm up to M16x40mm.



# **Experience & flexibility**

Experienced on-site personnel in the UK, USA & China, combined with access to a wide range of manufacturing processes enable us to you offer great flexibility in product development, supply chain management and international shipping.



# **Cranking Handles & Adjustable Levers**



#### Model 05F ATL

Blackened steel handles with duroplast knob and zinc plated steel insert. 96 / 110mm overall length. M8 up to M10.



## Model 05M ATL

Blackened steel handles with duroplast knob and mild steel thread. 70 / 96 / 110mm overall length. M8x25mm up to M12x50mm.



## Model 06 CR HD

Cast iron crank with polished steel side handle and square fixing hole. 100 / 125 / 160 / 200mm overall length. 12mm up to 19mm square bore size.



#### Model 07 CR

Black matt finish nylon with brass insert and revolving fixed side handle. 65 / 80 / 110 / 140 / 185mm overall length. M8 up to M16.



#### Model 08 CR

Black matt finish nylon with brass insert and indexing mechanism. Folding and revolving side handle. 65 / 80 / 110mm overall length. M8 up to M16.



#### Model 09 CR

Black matt finish nylon. With brass insert. Folding and revolving side handle. 65 / 80 / 110 / 140 / 185mm overall length. M8 up to M16.



# Mature supply chain & distribution

Our supply chain has been operating successfully for well over a decade. Consolidated weekly sea-freight and bi-weekly air-freight from international manufacturing locations ensure consistent and reliable stock levels. Stocked items are available in the UK for next day delivery and worldwide in just two to six working days.



# **Index Plungers & Cam Plungers**



#### Model 01 IP

Black matt finish knob, burnished steel body and locking nut. With or without a 90 degree locking rest position. M10x1.0mm up to M16x1.5mm thread.



#### Model 02 IP SS

Black matt finish knob, burnished steel or stainless steel body and locking nut. With a 90 degree locking rest position. M10x1.0mm up to M16x1.5mm thread.



#### Model 03 IP

Black matt finish knob and zinc plated steel fixing plate. With or without a 90 degree locking rest position. 6mm or 8mm plunger diameter.



# Model 04 CP HD SS

Burnished steel or stainless steel body and locking nut. Plastic cap an option. 8mm up to 12mm plunger diameter. M20x1 5mm thread size



#### Model 05 IP

Nickel plated housing with stainless steel pin. With lift ring and locking nut. M6 up to M12. 4mm up to 8mm plunger diameter



# Model 06 IP SS

Burnished steel or stainless steel body. M3 up to M20. Slot for flat head screwdriver adjustment.



# Model 07 IP

Zinc plated or stainless steel body. Zinc plated head. With or without a 90 degree locking rest position. M10x1.0mm up to M12x1.75mm. 6mm or 7mm plunger diameter.



#### Model 08 IP

Bright chrome or black powder coated finish aluminium and steel. 17mm knob diameter. M10 fixing thread. 6.2mm plunger diameter. 90 degree locking rest position.



# **Levelling Feet & Accessories**

#### Please note:

Our levelling feet are listed here as components but are also available as assembled combinations.



## Model 01 LF

Black glass reinforced nylon. Ø 30 / 40 / 45 / 50 / 60 / 80 / 100 / 120mm. 15mm ball socket.



# Model 01BD LF

Black glass reinforced nylon. Ø 60 / 80 / 100 / 120mm. 6 / 9 / 9.5mm bolt-down bore size. 15mm ball socket.



## Model 02 LF HD

Black die cast zinc. Ø 29 / 39 / 44 / 49 / 59 / 79 / 99 / 119mm. 15mm ball socket



#### Model 02BD LF FID

Black die cast zinc. Ø 59 / 79 / 99 / 119mm. 9mm bolt-down bore size. 15mm ball socket.



#### Model 03 LF IID SS

Stainless steel. Ø 29 / 39 / 44 / 49 / 59 / 79 / 99 / 119mm. 15mm ball socket



# Model 03BD LF HD SS

Stainless steel. Ø 79 / 99 / 119mm. 9mm bolt-down bore size. 15mm ball socket



# Model 04 LF

Black matt finish polypropylene base with zinc plated steel thread. Ø 25 / 38mm. M8x15mm, M8x24mm and M8x38mm thread.



#### NEW Model 05 LF

Black matt finish polypropylene base with zinc plated steel thread. Ø 34mm.
M8x38mm thread.



NEW

#### Model 01 TR SS

Zinc plated steel, stainless steel on request. 25mm to 250mm thread length. M8 up to M24. 15mm ball end



#### Model 01 ASP

TPE Rubber anti-slip and antivibration plate. Water and oil resistant. With or without holes Ø 30 / 40 / 45 / 50 / 60 / 80 / 100 / 120mm



#### Model 01SS TB SS

Black matt glass reinforced nylon. Stainless steel insert. 30 / 40 / 50 / 60mm. M10 up to M20.



#### Model 01NPB TB

Black matt glass reinforced nylon. Nickel plated brass insert. 30 / 40 / 50 / 60mm. M8 up to M24.



# **PVC Handle Grips**



#### Model 01 PG



Gloss red or black flexible PVC. 85 / 95 / 110 / 115mm length. 19mm up to 25mm bore size.



# Model 02 PG 🦫



Gloss red or black flexible PVC. 75 / 80 / 160 / 180mm length. 5x20mm or 5x25mm bore size



# Visit our website for more information

Featuring detailed material specifications, dimensions, weights, and MOQs. Utilise our online Quote Cart to request price and availability for your selection of components.



# **Plastic & Metal Handwheels**



#### Model 01 HW

Black matt finish nylon with zinc plated steel insert. Ø 100 / 125 / 150 / 175 / 200mm. Pilot bore machinable up to 16mm or 20mm bore.



## Model 01H HW

Black matt finish nylon with zinc plated steel insert. Revolving fixed handle. Ø 100 / 125 / 150 / 175 / 200mm. Pilot bore machinable up to 16mm or 20mm bore.



#### Model 01FH HW

Black matt finish nylon with zinc plated steel insert. Revolving folding handle. Ø 100 / 125 / 150 / 175 / 200mm. Pilot bore machinable up to 16mm or 20mm bore.



#### Model 01FFH HW

Black matt finish nylon with zinc plated steel insert. Revolving flush folding handle. Ø 80 / 100 / 125 / 150 / 175 / 200mm. Pilot bore machinable up to 16mm or 20mm bore.



#### Model 02 HW

Black matt finish nylon with zinc plated steel insert. Ø 100 / 130 / 160 / 200 / 250mm. Pilot bore machinable up to 16mm or 20mm bore.



#### Model 02H HW

Black matt finish nylon with zinc plated steel insert. Revolving fixed handle. Ø 100 / 130 / 160 / 200 / 250mm. Pilot bore machinable up to 16mm or 20mm bore.



#### Model 02FH HW

Black matt finish nylon with zinc plated steel insert. Revolving folding handle. Ø 130 / 160 / 200 / 250mm. Pilot bore machinable up to 16mm or 20mm bore.



#### Model 02FFH HW

Black matt finish nylon with zinc plated steel insert. Revolving flush folding handle. Ø 130 / 160mm. Pilot bore machinable up to 16mm or 20mm bore.



# Model 03S HW HD

Black gloss finish pressed steel with machined bore and keyway. Ø 125 / 160 / 200 / 250mm. 11 / 12 / 14 / 17mm bore



# Model 03SS HW HD SS

Matt finish pressed stainless steel with machined bore and keyway. Ø 160 / 200 / 250mm. 12 / 14 / 17mm bore.



## Model 04 HW HD

Polished die cast aluminium with machined bore and keyway. Ø 125 / 140 / 160 / 200mm. 12 / 14 / 18mm bore. Duroplast rotating handle.



# **Plastic & Metal Hinges**



# Model 01 HI

Black or white acetal polymer with zinc plated steel countersunk screw. Adjustable tension. 43 / 65mm length. 5.2mm up to 5.5mm hole size.



#### Model 02 HI

Black nylon with mild steel zinc plated pin and brass insert. 30 / 54mm length. M5 up to M6.



# Model 03 HI

Black nylon with mild steel zinc plated pin. 48 / 64mm length. 7mm bore size.



# NEW

NEW

# **Plastic Handles & T-Handles**



#### Model 01F PH

Black matt finish nylon with brass insert. 40 / 50 / 60 / 71 / 80mm across. M5 up to M12.



## Model 01M PH

Black matt finish nylon with zinc plated thread. 40 / 50 / 60 / 71 / 80mm across.

M5x15mm up to M12x40mm.



## Model 02F PH

Black matt textured duroplast with brass insert. 72mm across. M8 up to M10.



## Model 02M PH

Black matt textured duroplast with zinc plated steel thread. 72mm across. M8x25mm up to M10x35mm.



#### Model 03M PH

Black matt finish nylon with zinc plated revolving steel thread. 55 / 67 / 77 / 87 / 97mm length. M6 up to M12.



#### Model 04M PH

Black gloss finish duroplast with zinc plated steel thread. Allen key adjustment. 65 / 95mm length. M8 up to M10.



#### Model 05F PH

Black matt finish nylon with moulded thread. 40 / 50 / 65 / 80 / 90mm length. M6 up to M12.



#### Model 05M PH

Black matt finish nylon with zinc plated thread. 40 / 50 / 65 / 80 / 90mm length. M6 up to M12.



#### Model 05SF PH

Black matt finish nylon. 40 / 50 / 65 / 80 / 90mm length. 8mm up to 16mm (H9 tolerance) self fixing bore.



#### Model 06ST PH

Black matt finish nylon with zinc plated steel thread. 82 / 90mm length.

M6x17mm and M8x17mm



#### Model 06TA PH

Black matt finish nylon with zinc plated steel thread. Revolving and folding spring loaded thread. 50 / 70mm length.

M9x17mm and M10x17mm.



# Model 07F PH

Black gloss finish duroplast with moulded thread. 60 / 80 / 100mm across. M6 up to M12.



#### Model 08F PH

Black gloss finish duroplast with moulded thread. 40 / 60 / 80 / 95 / 110mm. M6 up to M12.



#### Model 08M PH

Black gloss finish duroplast with zinc plated steel thread. 40 / 60 / 80 / 95 / 110mm. M5 up to M12.



# Model 08CB PH

Black gloss finish duroplast with moulded clearance bore. 40 / 60 / 80 / 95 / 110mm. 5mm up to 12mm bore size.



#### Model 09 PH

Black gloss finish duroplast with revolving zinc plated steel thread. 21 / 25mm. M8x12mm up to M12x23mm.



# Modifications are our speciality

Extensive manufacturing capabilities allow us to offer costeffective bespoke and modified product solutions. Our inhouse engineers work with you to select the most suitable manufacturing process, material and finish to meet your specific requirements.



# **Plastic & Metal Knobs**



## Model 01F PK 51

Polypropylene inner substrate with over moulded black TPE outer Brass female insert Ø 28 / 40 / 50 / 60mm M5 to M12.



# Model 01M PK 51

Polypropylene inner substrate with over moulded black TPE outer. Zinc plated steel male thread, Ø 28 / 40 / 50 / 60mm. M5x10mm to M12x50mm.



# Model 01T PK 51

Polypropylene inner substrate with over moulded black TPF outer. Tapped right through brass insert. Ø 28 / 40 / 50 / 60mm M5 to M12



# Model 02F PK

Black matt finish nylon or polypropylene with brass, stainless or zinc plated steel inserts. Ø 28 / 40 / 50 / 60mm. M5 up to M12.



#### Model 02M PK

Black matt finish nylon or polypropylene with zinc plated or stainless steel thread Ø 28 / 40 / 50 / 60mm M5x10mm up to M12x50mm.



# Model 02T PK

Black matt finish nylon or polypropylene with tapped right through brass, stainless or zinc plated steel inserts. Ø 28 / 40 / 50 / 60mm. M5 up to M12.



# Model 03F PK



Black matt finish nylon with brass insert. Ø 30 / 40 / 50 / 60 / 75mm. M5 up to M16.



#### Model 03M PK 🦫



Black matt finish nylon with zinc plated steel thread. Ø 30 / 40 / 50 / 60 / 75mm. M5x15mm up to M12x50mm.



#### Model 03T PK



Black matt finish nylon with tapped right through brass insert. Ø 30 / 40 / 50 / 60 / 75mm. M5 up to M12.



#### Model 04F PK

Graphite grey matt nylon with brass insert. Ø 30 / 40 / 50 / 60mm M6 up to M12.



#### Model 04M PK

Graphite grey matt nylon with zinc plated steel thread. Ø 30 / 40 / 50 / 60mm. M6x20mm up to M12x40mm.



# Model 05F PK

Black matt finish nylon or polypropylene with brass or zinc plated steel inserts. Ø 28 / 40 / 50 / 60mm M5 up to M10.



#### Model 05M PK

Black matt finish nylon or polypropylene with zinc plated steel thread. Ø 28 / 40 / 50 / 60mm. M5x10mm up to M10x40mm.



# Model 05T PK

Black matt finish nylon with with tapped right through brass insert. Ø 28 / 40 / 50 / 60mm M5 up to M10



#### Model 06F PK

Black gloss finish duroplast with brass protuding insert. Ø 32 / 44mm M5 up to M10.



#### Model 06M PK

Black gloss finish duroplast with zinc plated steel thread. Ø 32 / 44 / 57 / 70mm. M6x15mm up to M12x50mm.



#### Model 06T PK

Black gloss finish duroplast with tapped right through brass insert. Ø 32 / 44 / 57 / 70mm. M6 up to M12.



# Model 07F PK 🦫



Black matt finish polypropylene with brass insert. Ø 30 / 40 / 50 /60/80mm. M6 up to M16. Add a logo to coloured cap (tooling & MOQ apply).



#### Model 07M PK

Black matt finish polypropylene. Zinc plated steel thread. Ø 30 / 40 / 50 / 60 / 80mm. M6x10mm up to M16x50mm. Add logo to coloured cap (tooling & MOQ apply).



#### Model 08F PK

Black matt finish nylon with brass insert. Ø 32 / 44 / 57mm. M5 up to M10.



## Model 08M PK

Black matt finish nylon with zinc plated steel thread.
Ø 32 / 44 / 57mm.
M6x25mm up to M10x30mm.



## Model 09F PK

Black matt finish nylon with brass insert. Ø 26 / 32 / 40mm. M5 up to M10.



#### Model 09M PK

Black matt finish nylon with zinc plated steel thread.
Ø 26 / 32 / 40mm.
M5x10mm up to M8x40mm.



#### Model 10F PK

Black matt finish nylon with brass or zinc plated steel insert. Ø 28 / 40 / 50 / 60mm. M5 up to M10.



#### Model 10M PK

Black matt finish nylon or polypropylene with zinc plated steel thread. Ø 28 / 40 / 50 / 60mm. M5x10mm up to M10x40mm.



# Model 10T PK

Black matt finish nylon or polypropylene with tapped right through brass insert. Ø 28 / 40 / 50 / 60mm. M5 up to M10.



#### Model 11F PK

Black matt finish nylon or polypropylene with brass or zinc plated steel insert. Ø 38 / 50 / 60mm.
M6 up to M12.



#### Model 11M PK

Black matt finish nylon or polypropylene with zinc plated or stainless steel thread.
Ø 38 / 50 / 60mm. M6x20mm up to M12x30mm.



#### Model 11T PK

Black matt finish nylon or polypropylene with tapped right through brass or stainless steel insert. Ø 38 / 50 / 60mm. M6 up to M10.



### Model 12F PK

Black matt finish nylon or polypropylene with brass or zinc plated steel insert. Ø 28 / 40 / 50 / 60mm. M5 up to M10.



#### Model 12M PK

Black matt finish nylon or polypropylene with zinc plated steel thread. Ø 28 / 40 / 50 / 60mm. M5x10mm up to M10x40mm.



## Model 12T PK

Black matt finish nylon with tapped right through brass insert.
Ø 28 / 40 / 50 / 60mm.
M5 up to M10.



#### Model 13M PK

Black matt finish nylon with zinc plated steel thread. Ø 25mm. M4x10mm up to M5x20mm.



#### Model 14M PK

Black matt finish nylon with zinc plated steel thread.
Ø 21mm. M5x10mm up to M6x20mm.



#### Model 15F PK

Black matt finish nylon with brass insert. Ø 28 / 40 / 50 / 60mm. M5 up to M10.



#### Model 15M PK

Black matt finish nylon with zinc plated steel thread.
Ø 28 / 40 / 50 / 60mm.
M5x10mm up to M10x40mm.



#### Model 15T PK

Black matt finish nylon with tapped right through brass insert. Ø 28 / 40 / 50 / 60mm. M5 up to M10.



#### Model 16F PK

Reinforced matt finish black nylon with brass insert. Ø 35 / 45mm. M5 up to M10.



#### Model 16M PK

Black matt finish Ultramid B3K with zinc plated steel thread. Ø 35 / 45mm.
M5x15mm up to M8x30mm.



#### Model 17AF PK

Black gloss finish duroplast with moulded thread. Ø 16 / 19 / 25 / 32 / 38 / 44 / 51mm. M4 up to M20.



## Model 17BF PK

Black gloss finish duroplast with brass insert. Ø 25 / 32 / 38 / 44 / 51mm. M6 up to M16.



# **Model 18AF PK**

Black matt finish nylon with moulded thread. Ø 15 / 20 / 25 / 32 / 38 / 45 / 50mm. M4 up to M12.



#### Model 18BF PK

Black matt finish nylon with brass insert. Ø 25 / 32 / 38mm. M6 up to M10.



#### Model 19AF PK

Black matt finish nylon with self-fixing thread. Ø 20 / 25 / 32 / 38 / 50mm. 5mm up to 12mm and 0.1875in up to 0.5in.



#### Model 20AF PK

Black gloss finish duroplast with self-fixing tolerance ring. Ø 19 / 25 / 32 / 38 / 44 / 51mm. 5mm up to 16mm and 0.1875in up to 0.625in.



#### Model 21F PK

Black matt finish nylon with moulded thread.
Ø 22 / 27 / 32 / 37mm.
M4 up to M10.



#### Model 21M PK

Black matt finish nylon with zinc plated steel thread.
Ø 22 / 27 / 32 / 37mm.
M5x10mm up to M10x30mm.



#### Model 21SF PK

Black matt finish nylon with self-fixing bore.
Ø 22 / 27 / 32 / 37mm.
5mm up to 10mm.



#### Model 22F PK

Black gloss finish duroplast with moulded thread. Ø 22 / 28 / 35mm.
M6 up to M12.



#### Model 22SF PK

Black gloss finish duroplast with self-fixing tolerance ring. Ø 22 / 28 / 35mm.
6mm up to 10mm.



#### Model 23F PK

Black matt finish nylon with moulded thread. Ø 15 / 18 / 24 / 28 / 31mm. M5 up to M12.



## Model 23SF PK

Black matt finish nylon with self-fixing bore.
Ø 15 / 24 / 28 / 31mm.
5mm up to 12mm.



#### Model 24F PK

Black matt finish nylon with brass insert. Ø 15.5 / 20.5mm. M4 up to M5.



#### Model 24M PK

Black matt finish nylon with zinc plated steel thread.
Ø 15.5 / 20.5mm.
M4x10mm up to M6x15mm.



# Model 25F PK

Black matt finish nylon with brass insert. Ø 15 / 20 / 25mm. M4 up to M8.



#### Model 25M PK

Black matt finish nylon with zinc plated steel thread.
Ø 15 / 20 / 25mm.
M4x10mm up to M8x25mm.



#### Model 26F PK

Graphite grey matt finish nylon with brass insert.
Ø 20 / 25 / 30mm.
M4 up to M8.



#### Model 26M PK

Graphite grey matt finish nylon with zinc plated steel thread. Ø 20 / 25 / 30mm.
M4x10mm up to M8x40mm.



#### Model 27F PK

Black matt finish nylon with brass insert. Ø 15 / 19 / 22 / 25mm. M4 up to M8.



#### Model 27M PK

Black matt finish nylon with zinc plated steel thread.
Ø 15 / 19 / 22 / 25mm.
M4x10mm up to M8x20mm.



## Model 28M PK

Black matt finish nylon with zinc plated steel thread.
Ø 21mm. M5x10mm up to M6x20mm



# Model 29SAM PK ঌ

Red, grey or black spun matt finish acetal thermoplastic with push-fit assembly to socket head screws. Ø 10 / 13 / 16 / 19 / 26mm. M3 up to M8.



#### Model 29SAI PK 🦫

Red, grey or black spun matt finish acetal thermoplastic with push-fit assembly to socket head screws. Ø 10 / 13 / 16 / 19 / 26mm. #6 up to #10 and 0.25in up to 0.3125in.



#### Model 30SAM PK 🥾

Red, grey or black textured matt finish acetal thermoplastic with push-fit assembly to socket head screws.

Ø 38mm. M6 up to M10.



#### Model 30SAI PK 🦫

Red, grey or black textured matt finish acetal thermoplastic with push-fit assembly to socket head screws. Ø 38mm. 0.25in up to 0.375in.



# Model 31SAM PK 🦫

Red, grey or black textured matt finish acetal thermoplastic with push-fit assembly to socket head screws. Ø 26 / 30 / 38 / 45mm. M5 up to M10.



#### Model 31SAI PK 🦫

Red, grey or black textured matt finish acetal thermoplastic with push-fit assembly to socket head screws. Ø 26 / 30 / 38 / 45mm. #10 and 0.25in up to 0.375in.



#### Model 32M PK

Gloss finish black duroplast. Zinc plated steel thread. Ø 18 / 22 / 26mm. M4x20mm up to M8x30mm.



#### Model 33F PK

Black gloss finish duroplast with brass insert. Ø 38 / 50mm. M6 up to M8.



#### Model 33M PK

Black gloss finish duroplast with zinc plated steel thread. Ø 38 / 50 / 60mm. M6x13mm up to M10x40mm.



#### Model 34F PK

Black gloss finish duroplast with brass insert. Ø 50mm. M8 up to M10.



# Model 35D PK

Black matt finish nylon with spring clip to fit 6mm D-Shaft. Ø 40mm



#### Model 36F PK

Black matt finish nylon with brass insert. Ø 50mm. M6.



#### NEW Model 36M PK

Black matt finish nylon with zinc plated steel thread. Ø 50mm. M6x20mm up to M8x25mm.



# NEW

#### Model 37M PK

Black matt finish nylon with zinc plated steel thread. Ø 28mm. M6x15mm or M6x25mm.



# NEW

Model 01F MK HD SS

Matt finish stainless steel with machined thread. Ø 40 / 50 / 60mm. M6 up to M12.



# Model 01T MK HD SS

Matt finish stainless steel with tapped right through machined thread. Ø 40 / 50 / 60mm. M8 up to M12.



#### Model 02F MK HD SS

Matt finish pressed stainless steel with machined thread. Ø 40 / 50 / 60mm. M8 up to M12.



## Model 03F MK HD

Highly polished aluminium with machined thread. Ø 40 / 50 / 60mm. M6 up to M12.



#### Model 03T MK HD

Highly polished aluminium with tapped right through machined thread. Ø 40 / 50 / 60mm. M6 up to M12.



#### Model 04F MK HD SS

Highly polished stainless steel with machined thread. Ø 31mm. M6.



# Model 05F MK HD SS

Matt finish stainless steel with machined thread.
Ø 25 / 36mm.
M6 up to M8.



## Model 05M MK ID SS

Matt finish stainless steel with stainless steel thread.
Ø 25 / 36mm.
M6x20mm up to M10x40mm.



## Model 06F MK HD SS

Matt finish stainless steel with machined thread. Ø 45 / 57mm. M6 up to M10.



#### Model 07 MK HD SS

Highly polished stainless steel with machined thread or plain bore. Ø 16 / 20 / 25 / 32 / 38 / 44 / 50mm. M4 up to M10 threads. 4mm up to 10mm plain bore.



#### NEW Model 08 MK IID

Highly polished aluminium with machined thread or plain bore. Ø 16 / 20 / 25 / 32 / 38 / 44 / 50mm. M4 up to M10 threads. 4mm up to 10mm plain bore.



# NEW

# Beyond knobs, handles and handwheels!

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