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### Established 1992

Turnstyle Designs have been creating door hardware for just over twenty years.

During that time we have grown from a one man band working from a small Devon barn to one of the regions larger employers, operating out of purpose built modern factory and offices.

The range started with five hand cast composite door knobs and has since grown into what you see here, with over 100 different designs, 30 different product types and over 30 different materials and finishes, giving a combined choice of over 2000 design and finish options.

We have spent the last twenty years working out how to improve our manufacturing and quality of production, constantly enhancing and refreshing our designs, and by listening to our customers, we believe we now offer the best service in the industry.

The business grows year on year, opening up new markets both geographically and by the type of industry. We export over 75% of our work to all around the globe and service many different industries including furniture makers, property developers, the marine industry, and the hospitality business.

We have a young and enthusiastic team of management and staff eager to continue growing the business. 2012 has seen a re-branding of the company along with new website and soon to follow a new, highly sophisticated MRP production software that will help us improve our manufacturing and tracking and ultimately our lead times.

New designs in new materials are in the pipeline as we continue to look forward and plan for the next twenty years.

Stephen Roberts
Founder and Owner



contents



### **DOOR LEVERS**







### **DOOR PULLS**



### **MISCELLANEOUS**

	Shagreen Collection	56
Carried States	Recess Shell Collection	57
	Custom work	58-61
	Bolts, front door and door stops	62
	Sliding door hardware	63

### WINDOW HARDWARE



### CABINET/FURNITURE HANDLES

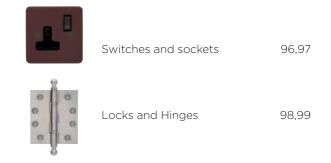
=	Recess Leather	70-73
	Saville Leather	74,75
	Saddle Leather	77
	Leather Straps	78,79
0 0	Framed Leather Bow and Mortice Wing	80,81
	Push Button	82,83
1	T bar mortice	85
	Amalfine™ Tone	86
Mary 1	Leather Amalfine™	87

### **CABINET/FURNITURE HANDLES**

~	Natural Amalfine	88,89
	Solid	90
	Combination Amalfine™	91

### **BATHROOM ACCESSORIES**

St James leather	93
Recess	92,93



Index Part numbers	102

materials

### Leather

Our leather is bought from some of the finest tanneries in the world in Tuscany, Italy. Only the very best full grained (top and strongest section), vegetable tanned (all natural), drum dyed, bridle or saddle leather. The cows are reared outdoors where the farmers do not use barbed wire, which dramatically reduces the scarring, (the cows also prefer it).

Leather like all natural materials will change with age, according to the situation, exposure to sunlight and usage or lack of. The more you use it, the better it looks, the oils from your hands feed the leather and create a unique patina. Like an old handbag or briefcase the character of the leather gets richer with age.



### Colour Variation

Vegetable tanning is an art rather than a science, please allow for some variations in colours from batch to batch and even from hide to hide in some cases. This is all part of the charm of using such a beautiful and natural material.



### Wear and Care

As with a good handbag or pair of shoes the leather will appreciate being fed from time to time, we recommend twice a year with a natural beeswax polish, or we can supply a recommended polish if you wish.

Do not clean with solvents, or chemicals, as this will not only affect the leather but also soak through and destroy the glue. Scratches and dents can be removed by a simple "boning" process that brings the oils back to the surface and repairs by simply working the leather area in circular motions with a boning tool (or the back of a spoon).

If the leather gets dirty use a small amount of soapy water, let it dry and finish with a natural wax. Try and remove dust if the handles are not being used, as dust dries out the leather.

With a small amount of care your handles will last for years and years to come.



### Amalfine™

Amalfine $^{\text{\tiny TM}}$  – our proprietary composite blends have become one of our trademarks.

Incredibly versatile and durable, each piece is hand cast and finished and will pass through at least eight pairs of hands before being finally packed for dispatch. Every piece is unique with its own individually crafted character and charm.

The finishes in the Amalfine™ range are more like materials than finishes, the colour runs throughout the design so unlike a surface finish it cannot wear off. Not suitable for exteior use.



### Turnstyle and the Environment

At Turnstyle Designs we endeavour to keep waste to a minimum and recycling to a maximum. All office stationery and inward packaging is re used and/or recycled, outward packaging is 98% recyclable, and our brochures are printed on FSC sourced paper, with vegetable inks.

We run our electricity from our own solar panels, and use energy efficient lighting throughout the building.

We manufacture locally thus reducing our carbon footprint for transport. We use only vegetable tanned leather, not chromium, and our composite fillers for the Amalfine™ range are by-products. Waste materials are recycled wherever possible.



Our environmental stance does not come from a marketing perspective but a real need and recognition that we all have to reduce consumption and think about every element of what we use and how we use it. The future of the planet lies with all of us as individuals, if we all contribute and improve our lifestyles and way of thinking, we, as a collective can and will make all the difference.

production production

### Leather production

Our Leather is bought in either "butts" or "sides" in 3-5mm thicknesses and then split down using our splitting machines to the desired thickness depending on the design and application.

All but a few of our leather products are hand stitched by our highly skilled and dedicated leatherworkers. Saddlers, Strap and Steel Framed ranges are machine stitched, by equally skilled craftsmen on specialised leather sewing machines.

All parts are bonded with specially formulated super strong glue. The hand stitching is not just decorative, but also assists the leather to bind to the metal work, drawing tight rather like a shoelace.

For a better understanding of how our leather is made please visit our website production movies.



ather bench assembly



i-----



Machine stitching leatherwork

### Amalfine<sup>™</sup> production

Using highly flexible silicone rubber moulds we are able to reproduce finger print detail from the masters we cast from and de mould the parts without a seam.

After de-moulding, each design is carefully machined down to remove excess material and where applicable to accurately fit its brass partner

After around 6-8 hours of various polishing stages the beautiful lustre will remain for many years to come.

Every piece is unique with its own individually crafted character and charm.

Turnstyle also offer Custom Casting and finishing service, please see pages 60 and 61 for full details.

For a better understanding of the process visit our website and view the production movies.

### www.turnstyledesigns.com



achining Amalfine™ lever grips



Rumble polishing Amalfine™ door knobs



Lead and timber master, to PU interim master, to finished product

### Brass and metal work production

Turnstyle uses a host of manufacturing processes to produce the best results, including hot forging, CNC machining, lathe and mill work. Brass is used for the vast majority of our products because of the fantastic finish we are able to apply to it. Whatever the method, it is the finishing that counts, and our finishes are superb.

We have worked with our platers for the past 12 years and have developed a very good relationship with them, Turnstyle has dedicated polishing sections and electro plating tanks to ensure consistently high quality polishing and plating.

As well as our large range of catalogue products we also offer custom manufacturing and finishing, please see pages 60 & 61 for further details.



Drilling flush plates



CNC machining

To view all our films showing our production processes please visit www.turnstyledesigns.com

### **Production and Quality Control**

Despite the exodus of British manufacturing to the East, Turnstyle Designs always have and always will, manufacture in the UK.

Where else can you find such a wealth of experience and craftsmanship across such a wide field of process and materials, that are needed to produce such a diverse collection of products?

Apart from the many hands and eyes that each product and process passes through during the manufacturing process, each and every product and component is quality checked in component form and after assembly.

The chances therefore of any of our product reaching a customer substandard or faulty is extremely remote. If, however you do find our product defective in any way, please contact us immediately for a replacement.



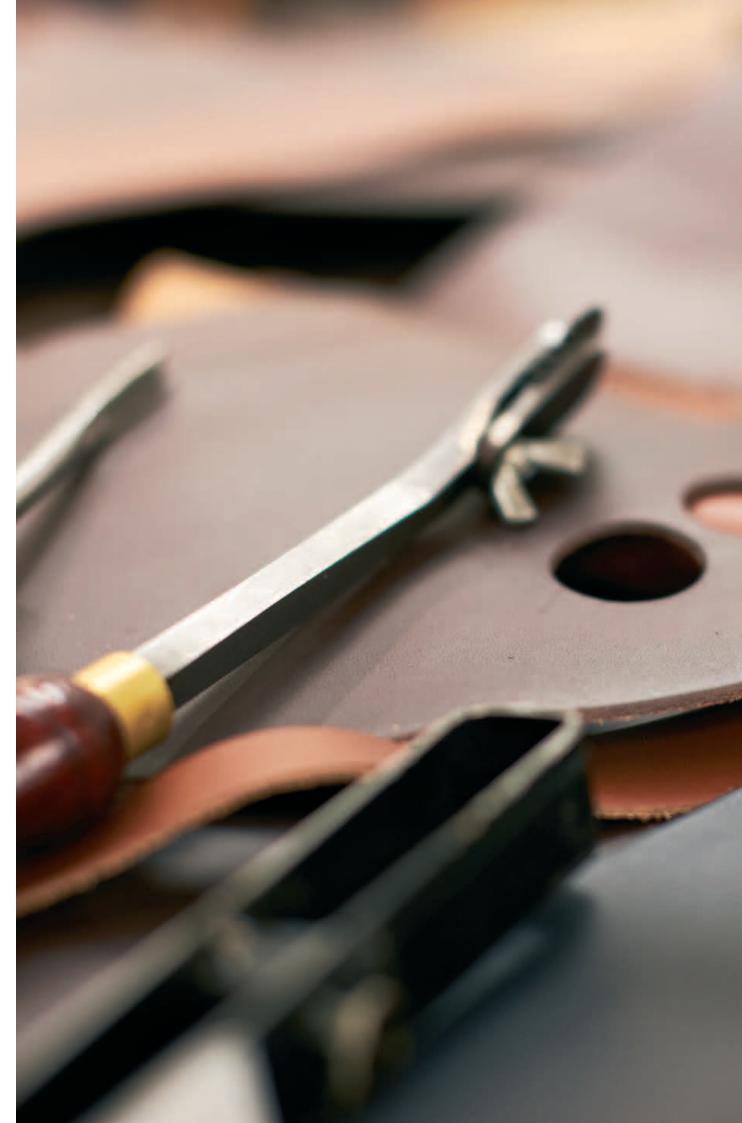
mponents storage



ver assembly



QA and assembly



finish combinations

### Amalfine™



Dyed marble, sealed to create a beautiful

# Ebony (EB)

and then hand finished and subtle sheen.

Cocoa (CO)





Black Bronze (BB) A deep black with a slightly reflective bronze













Sand (SA)

Shagreen products only



See pages 58 - 61 for details

### Leather



A rich reddy brown, sold with an off white natural stitch as standard, a richer contrasting patina

Chocolate (CT)

A classic dark brown,

great with Oaks and

Black (BL)

A solid classic, sold

with black stitching as

standard, a safe choice

with any background.

Racing Green (RG)

Reminiscent of great

dark, sold with an off

Made to order.

A cool blue, with

funky and bold.

Made to order.

Jazz Red (JR)

choice, sold with a

Made to order.

Tan (TN)

contrast white stitch.

A rich finish available

with a choice of stitching, white or

natural being the preferred choice. Made to order.

A beautiful and daring

chesterfields, deep and

white, natural stitch as

Yachting Blue (YB)

contrasting white stitch,

dark woods, sold with a

dark stitch as standard.







Satin Nickel (SN) Our most popular finish,

contemporary and complements all our composite and leather finishes perfectly. Co-ordinates well with satin stainless steel too An un-brushed satin to ensure a flat, even finish.



Polished Nickel (PN)

In lacquered classic finish, a peautiful blend with Ebony and Cocoa, not suitable for exterior use.



Dark Bronze (DB)

A rich dark "living" finish with a acquered patina over copper base. This finish is designed to change with age where handled, showing through base finishes which themselves will age.



# **Brass**









### For more metal finishes, see our custom work on pages 58 - 61

# finish combinations

### Leather and plated brass combinations



BRIGHT CHROME CHOCOLATE

BRIGHT CHROME CHESTNUT

BRIGHT CHROME RACING GREEN

BRIGHT CHROME YACHTING BLUE

BRIGHT CHROME JAZZ RED



SATIN NICKEL CHOCOLATE

SATIN NICKEL CHESTNUT

SATIN NICKEL RACING GREEN

SATIN NICKEL YACHTING BLUE

SATIN NICKEL JAZZ RED



POLISHED NICKEL CHOCOLATE

POLISHED NICKEL CHESTNUT

POLISHED NICKEL RACING GREEN

POLISHED NICKEL YACHTING BLUE

POLISHED NICKEL JAZZ RED













# Textured Amalfine™ and plated brass combinations



BRIGHT CHROME BLACK BRONZE

BRIGHT CHROME ALUPEWT

BRIGHT CHROME BONE

BRIGHT CHROME SILVER BRONZE





SATIN NICKEL BLACK BRONZE

SATIN NICKEL COCOA

SATIN NICKEL ALUPEWT

SATIN NICKEL BONE

SATIN NICKEL SILVER BRONZE





POLISHED NICKEL BLACK BRONZE

POLISHED NICKEL COCOA

POLISHED NICKEL ALUPEWT

POLISHED NICKEL BONE



















Smooth Amalfine<sup>™</sup> and plated brass combinations

BRIGHT CHROME FRONY

BRIGHT CHROME BLACK BRONZE

BRIGHT CHROME ALUPEWT

BRIGHT CHROME BONE

BRIGHT CHROME SAND



POLISHED NICKEL BONE





SATIN NICKEL SAND

SATIN NICKEL BONE

BRIGHT CHROME SILVER BRONZE SATIN NICKEL SILVER BRONZE





DARK BRONZE BONE

POLISHED NICKEL SILVER BRONZE DARK BRONZE SILVER BRONZE

finish combinations

Woven leather (available in tobacco only) and plated brass combinations









# Amalfine™ is not recommended for

Customise your handles.



### Tobacco Brown (TC)

Used on the Woven Barrel Door Lever, Slim Woven Door Pull and Woven Door Pull. Made to order. Other colours available subject to minium order

Leather is not recommended for exterior use.

### Hand stitched leather grips on solid brass shafts

Shown here on 52mm rose in Chestnut and Satin Nickel See below for rose/plate/finish options







Tube (stitch in) C1000 P x L (mm): 66 x 115 P x L (in): 2 19/32 x 4 17/32



Oval Angle (stitch in) C1013 P x L (mm): 65 x 116 P x L (in): 2 9/19 x 4 19/16





### **Grip finishes** (For finish details and combinations refer to pages 8 & 9)







### Hand stitched bridle leather grips, with a softer return to shaft

Shown with 52mm roses, in Chestnut leather and Polished Nickel

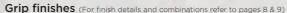


Goose Neck Plain Stitch CF1011 P x L (mm): 75 x 125 P x L (in): 2 31/32 x 4 15/16





Goose Neck Tube (stitch in) CF1000



(see p 28)

PLATE

TURN

(I) OPT

ROSE









### 19mm Barrel grips, with flush fitted, hand stitched and bonded bridle leather

Shown here in Chestnut leather with Satin Nickel





Barrel (stitch in) R1018 P x L (mm): 60 x 124 P x L (in): 2 3/8 x 4 7/8



Barrel Short (stitch in) R1020 PxL (mm): 60 x 124 PxL (in): 23/8 x 47/8



Woven Leather Barrel R2076









NICKEL

**Body finishes** 





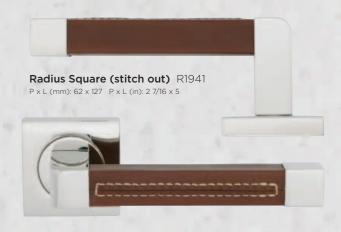
### Contemporary, chunky and angular, square profile softened by hand stitched leather grips and subtly polished off edges

Shown here in Chestnut and Polished Nickel





Square (stitch in) R1021





Radius Square (stitch in) R2030







PLATE

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)









NICKEL



**Grip finishes** (For finish details and combinations refer to pages 8 & 9)

solid door levers solid door levers

Solid single material brass door levers, suitable for exterior use, to co-ordinate with leather or Amalfine™ door levers on the interior

Option to mix plated finishes by rose and/or grips on some designs

Shown here on both square and round roses in Satin Nickel, see below for further options and finishes



Finishes (For finish details and combinations refer to pages 8 & 9)











P x L (mm): 55 x 128 P x L (in): 2 5/32 x 5 1/32



Finishes (For finish details and combinations refer to pages 8 & 9)





The softer retro Goose Neck shaft, available with all thirteen hand cast Amalfine™ grips available in six material/finish options and four brass plated finishes

Shown here on 52mm rose in the new Silver Bronze and Polished Nickel combination







Tube DF1332 P x L (in): 2 11/16 x 4 15/16



**Grip finishes** (For finish details and combinations refer to pages 8 & 9)

Ringtail DF1006 P x L (mm): 71 x 134 P x L (in): 2 25/32 x 5 9/32

Plain DF1002

P x L (mm): 76 x 125 P x L (in): 3 x 4 15/16



Twister DF1331 P x L (mm): 76 x 124 P x L (in): 3 x 4 25/32



Beehive DF1008 P x L (mm): 76 x 124 P x L (in): 3 x 4 7/8





PLATE

**Body finishes** 











Rope Tube DF1005 P x L (mm): 71 x 124 P x L (in): 2 25/32 x 4 7/8



Bamboo DF1001 P x L (mm): 71 x 121 P x L (in): 2 25/32 x 4 25/32



Deco Step DF1003 P x L (mm): 75 x 125 P x L (in): 2 31/32 x 4 15/16





Small Twister DF2751 P x L (mm): 72 x 122 P x L (in): 2 25/32 x 4 25/32



Centre Twist DF1007 P x L (mm): 72 x 116 P x L (in): 2 27/32 x 4 9/16



Shagreen Tube DF2005 P x L (mm): 71 x 124 P x L (in): 2 25/32 x 4 7/8





Rough Cut Tube DF2880 P x L (mm): 71 x 124 P x L (in): 2 25/32 x 4 7/8

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)

PLATE

o OPTIONS

(see p 28)





**Body finishes** 







### Beautiful hand cast lever grips grip set on elegantly waisted shafts

Shown here with 52mm round roses in the rich Cocoa and Satin Nickel



Plain D1002 P x L (mm): 66 x 115 P x L (in): 2 19/32 x 4 17/32



**Tube** D1332 P x L (mm): 64 x 115 P x L (in): 2 17/32 x 4 17/32



Ringtail D1006 P x L (mm): 65 x 118 P x L (in): 2 9/16 x 4 21/32



Rope D1004 P x L (mm): 68 x 114 P x L (in): 2 11/16 x 4 1/2



Twister D1331 P x L (mm): 68 x 114 P x L (in): 2 11/16 x 4 1/2



Beehive D1008 P x L (mm): 68 x 110 P x L (in): 2 11/16 x 4 11/32



ROSE

PLATE

**Body finishes** 











Rope Tube D1005 P x L (mm): 64 x 117 P x L (in): 2 17/32 x 4 19/32



Bamboo D1001 P x L (mm): 65 x 110 P x L (in): 2 9/16 x 4 11/32



Deco Step D1003 P x L (mm): 68 x 110 P x L (in): 2 11/16 x 4 11/32



ROSE

o OPTIONS (see p 28)







Centre Twist D1007 P x L (mm): 67 x 110 P x L (in): 2 5/8 x 4 11/32



Also available in SAND (SA) Shagreen Tube D2005 P x L (mm): 64 x 116 P x L (in): 2 17/32 x 4 9/16



Rough Cut Tube D2880 P x L (mm): 64 x 116 P x L (in): 2 17/32 x 4 9/16

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)

(CO)

PLATE











**Body finishes** 







NICKEL

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)





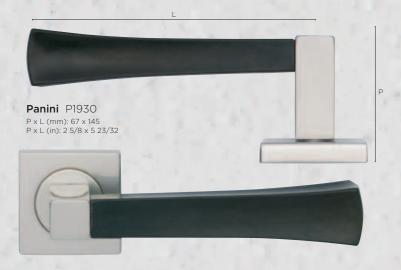




NICKEL

### Deliberately oversized, two bold designs that will make a statement on any door

Shown here in Cocoa and Satin Nickel









PLATE

### **Grip finishes** (For finish details and combinations refer to pages 8 & 9)



22











**Body finishes** 



NICKEL



# Hand cast grips set flush within 19mm Ø brassware, contemporary but versatile

See pages 8-9 to see how the finishes work together

Shown here in Alupewt and Bright Chrome



Rough Cut P1015 P x L (mm): 60 x 124 P x L (in): 2 3/8 x 4 7/8



Bamboo Barrel P2856 P x L (mm): 60 x 124 P x L (in): 2 3/8 x 4 7/8



Barrel P1333 P x L (mm): 60 x 124 P x L (in): 2 3/8 x 4 7/8



Shagreen P1019 P x L (mm): 60 x 124 P x L (in): 2 3/8 x 4 7/8





TURN (III)

ROSE

PLATE o o SNOI (see p 28)

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)











**Body finishes** 









### Round turn and release sets



Snib turn and release set \$1041



Half moon turn and release set \$1042 Rose dia. 52mm (2 3/64")



Egg Amalfine™ turn and release set D1043



Half moon combination leather turn and release set C1044







Half moon leather turn and release set B1295

### Square turn and release sets







Snib turn and release set S1046 Rose W x H: 52 x 52mm (2 3/64" x 2 3/64")







Half moon turn and release set \$1420 Rose W x H: 52 x 52mm (2 3/64" x 2 3/64")

### Round escutcheons







**Euro** S1421

Slotted S1422

Blank S1423 Dia x P (mm): 52 x 10 Dia x P (mm): 52 x 10 Dia x P (mm): 52 x 10 Dia x P (in): 2 3/64 x 13/32 Dia x P (in): 2 3/64 x 13/32 Dia x P (in): 2 3/64 x 13/32 Dia x P (in): 2 3/64 x 13/32

### Square escutcheons





Slotted S1672 H x W x P (mm): 52 x 52 x 10 H x W x P (in): 2 3/64 x 2 3/64 x 13/32 H x W x P (in): 2 3/64 x 2 3/64 x 13/32

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)

















**Body finishes** 





Virtually all Turnstyle door levers are interchangeable with our four rose options, completely changing the design and character of the lever



52mm Round Rose

Self sprung and through bolted

Push button privacy also available



45mm Round Rose

Self sprung and face fixed



52mm Square Rose

Self sprung and through bolted

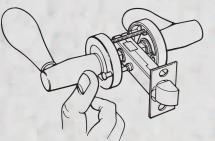
Push button privacy also available



64mm Pre-bore Rose

Unsprung and through bolted, North American configuration for pre-bore doors

Push button privacy also available



### **Push Button Privacy Set**

Easy to fit, discreet locking solution for bedrooms and bathrooms. Set includes locking stainless steel latch and lever set of your choice. Simply push the button from the interior to lock exterior lever, depress interior lever to release. Emergency release on exterior.

Available with most lever options.

Backset 60mm (2 3/8")

### **Options**



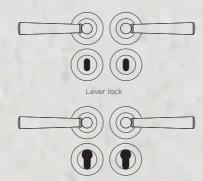
Passage or full dummy pair







Half Dummy / Passage right



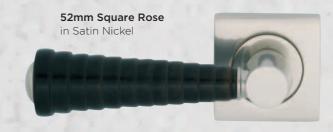
Euro profile cylinder





















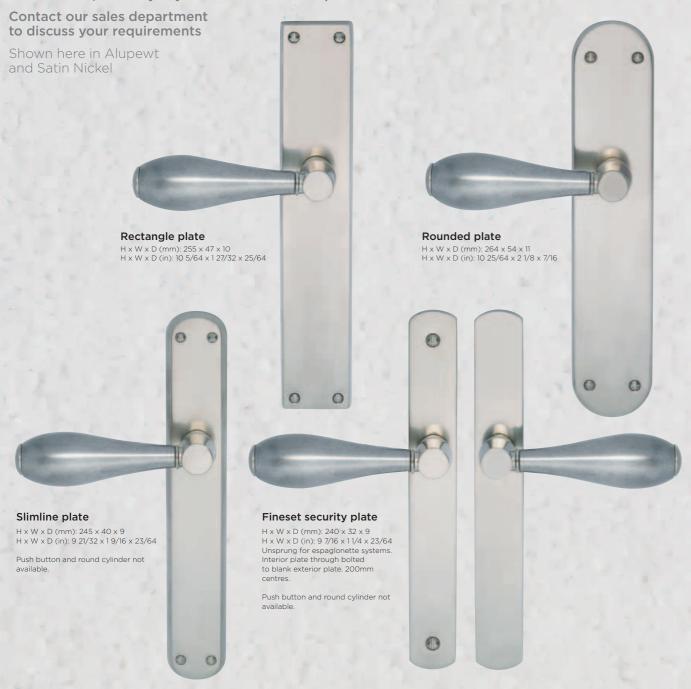
52mm Square Rose in Polished Nickel

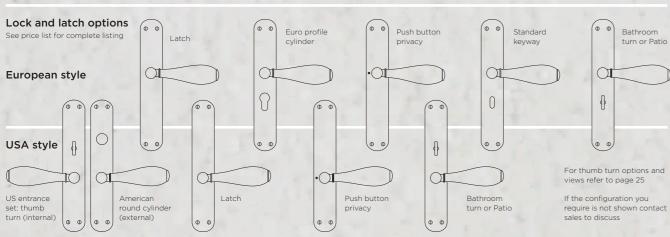


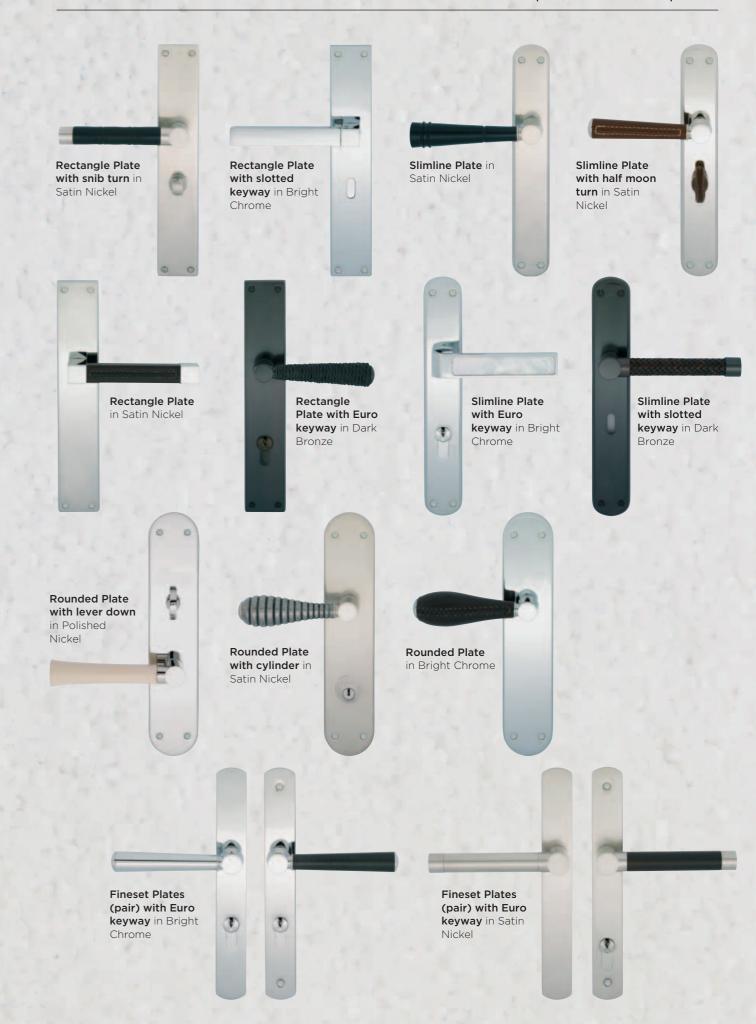




Four distinctly different back plates that can be used with any of our door levers in any finish combination, with any key hole or thumb turn option

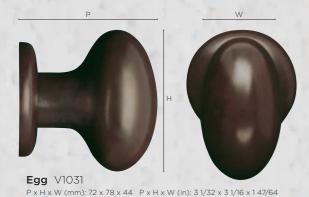






### Hand cast Amalfine™ mortice door knobs traditional shapes in a contemporary material

Shown here set on cast 64mm round roses in the delicious Cocoa





Mushroom V1032 P x Dia (mm): 62 x 60 P x Dia (in): 2 7/16 x 2 5/16



**Ball** V1033 P x Dia (mm): 64 x 55 P x Dia (in): 2 1/2 x 2 3/16



Deco Step V1034 P x Dia (mm): 70 x 54 P x Dia (in): 2 3/4 x 2 1/8

### Turn and release set







Egg composite turn and release set V1428

### Escutcheons





**Euro** V1425 Slotted V1426 Dia x P (mm): 53 x 10 Dia x P (in): 2 3/32 x 13/32 Dia x P (mm): 53 x 10 Dia x P (in): 2 3/32 x 13/32

Finishes (For finish details and combinations refer to pages 8 & 9)



The most challenging of all our leather work, the leather has to be wet moulded with a five ton press, bonded and then hand stitched around every contour, hours and hours of highly skilled work.

Shown here in Chocolate leather with coordinating thumb turns and escutcheons



Madrid B1038 P x Dia (mm): 75 x 58 P x Dia (in): 3 x 2 1/4

Hand stitched bridle leather over solid brass base

### 64mm dia. round rose

Shown here in Chocolate



Lords B1039 P x Dia (mm): 85 x 50 P x Dia (in): 3 3/8 x 2



Twickenham B1040 P x H x W (mm): 72 x 62 x 42 P x H x W (in): 3 1/32 x 2 7/16 x 1 11/16

### Turn and release set







Half moon leather and release B1295 Rose dia. 50mm (1 31/32")

### **Escutcheons**





**Euro** B1425 Dia x P (mm): 53 x 10 Dia x P (in): 2 3/32 x 13/32

Slotted B1426 Dia x P (mm): 53 x 10 Dia x P (in): 2 3/32 x 13/32

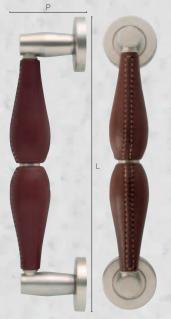
Finishes (For finish details and combinations refer to pages 8 & 9)



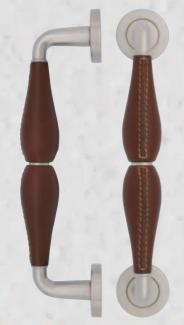


Hand stitched leather grips with solid brass shafts and roses, suitable for furniture cupboards as well as interior doors, available through bolted, back to back fixed, or face fixed without roses

Shown here in Chestnut and Satin Nickel



Plain Stitch C1061 L x P (mm): 285 x 70 L x P (in): 11 7/32 x 2 3/4



Goose Neck Plain Stitch CF1061 L x P (mm): 300 x 70 L x P (in): 11 13/16 x 2 3/4



**Tube Split** (stitch out) C1497 L x P (mm): 268 x 66 L x P (in): 10 9/16 x 2 5/8



**Tube Split** (stitch in) C1496 L x P (mm): 268 x 66 L x P (in): 10 9/16 x 2 5/8



**Tube Long** (stitch out) C1063 L x P (mm): 265 x 66 L x P (in): 10 7/16 x 2 5/8



Tube Long (stitch in) C1064 L x P (mm): 265 x 66 L x P (in): 10 7/16 x 2 5/8

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)



**Body finishes** 









Plain Stitch Large C1575 L x P (mm): 352 x 70 L x P (in): 13 7/8 x 2 3/4



(stitch out) C1498 L x P (mm): 352 x 68 L x P (in): 13 7/8 x 2 11/16 Centres 300mm



Oval Angle (stitch out) C1294 L x P (mm): 280 x 66 L x P (in): 11 1/32 x 2 5/8



(stitch in) C1610 L x P (mm): 280 x 66 L x P (in): 11 1/32 x 2 5/8 Centres 228mm



Goose Neck Tube Split (stitch out) CF1497 L x P (mm): 284 x 67 L x P (in): 11 3/16 x 2 5/8

Centres 237mm



Goose Neck Tube Split (stitch in) CF1496 L x P (mm): 284 x 67 L x P (in): 11 3/16 x 2 5/8 Centres 237mm



Goose Neck Tube Long (stitch out) CF1063 L x P (mm): 281 x 67 L x P (in): 11 1/16 x 2 5/8 Centres 234mm



Goose Neck Tube Long (stitch in) CF1064 L x P (mm): 281 x 67 L x P (in): 11 1/16 x 2 5/8 Centres 234mm

Grip finishes (For finish details and combinations refer to pages 8 & 9)









NICKEL



Three diameters of our classic Barrel design, 19,25 and now 32mm, bonded and hand stitched with stitch out as a feature or stitch facing in. Rear or face fixed or back to back pairs.

Shown here in Chocolate and Satin Nickel



Barrel (stitch in) Ø25mm R1070



see below for length options and dimensions

The 1500mm Large Barrel can have the middle leg centred or 2/3rds set. Custom lengths available for all diameters.

Shown here in Chestnut and Satin Nickel



Barrel (stitch out) Ø25mm R1075 see above for dimensions

Large Barrel (stitch out)

Ø32mm R2598

see below for length options and dimensions

Large Barrel Ø32mm is available in 500mm, 1000mm or 1500mm lengths (stitch out shown here)



500 Large Barrel Ø32mm 2 legs (stitch out) R2598 (stitch in) R2645

500 Centres 500mm (19 11/16") L x P (in): 24 7/16 x 3

1000 Large Barrel Ø32mm 2 legs (stitch out) R2598 (stitch in) R2645

1000 Centres 1000mm (39 3/8") L x P (in): 44 1/8 x 3



**1500** Centres 1500mm (59 1/16") L x P (mm): 1620 x 76 L x P (in): 63 25/32 x 3



**Grip finishes** (For finish details and combinations refer to pages 8 & 9)



36













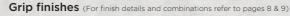
# **Body finishes**













Ø19mm R1073











**Body finishes** 



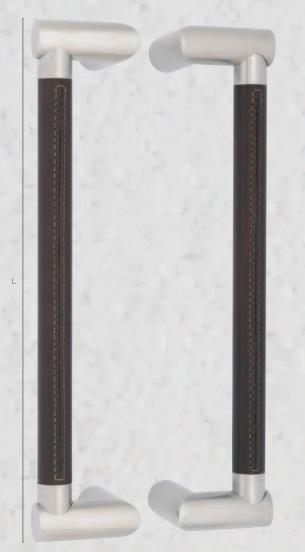
NICKEL

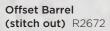


Offset 22mm diameter Barrel door pulls

Suitable for pull or sliding doors, available in face or rear fixing or back to back pairs and with or without back plates

Shown in Chocolate and Satin Nickel





200 Centres 200mm (7 7/8") L x P (mm): 225 x 65 L x P (in): 8 27/32 x 2 9/16 **300** Centres 300mm (11 13/16") L x P (mm): 325 x 65 L x P (in): 12 25/32 x 2 9/16 400 Centres 400mm (15 3/4") L x P (mm): 425 x 65 L x P (in): 16 3/4 x 2 9/16



### Offset Barrel (stitch in) R2673

200 Centres 200mm (7 7/8") L x P (mm): 225 x 65 L x P (in): 8 27/32 x 2 9/16 **300** Centres 300mm (11 13/16") L x P (mm): 325 x 65 L x P (in): 12 25/32 x 2 9/16 400 Centres 400mm (15 3/4") L x P (mm): 425 x 65 L x P (in): 16 3/4 x 2 9/16

### **Grip finishes** (For finish details and combinations refer to pages 8 & 9)



### **Body finishes**



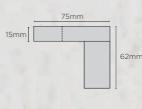
Offset Recess Square door pulls, three stitch options, face, side or rear, whatever you fancy. Three choices of fixings set on or off back plates, and available in three standard lengths or custom lengths.

Shown in Chestnut and Satin Nickel



Offset Square (face stitch out) R2676

200 Centres 200mm (7 7/8") L x P (mm): 225 x 62 L x P (in): 8 7/8 x 2 15/32 300 Centres 300mm (11 13/16") L x P (mm): 325 x 62 L x P (in): 12 13/16 x 2 15/32 400 Centres 400mm (15 3/4") L x P (mm): 425 x 62 L x P (in): 16 3/4 x 2 15/32



### Offset Square (side stitch out) R2682

200 Centres 200mm (7 7/8") L x P (mm): 225 x 62 L x P (in): 8 7/8 x 2 15/32 300 Centres 300mm (11 13/16") L x P (mm): 325 x 62 L x P (in): 12 13/16 x 2 15/32 **400** Centres 400mm (15 3/4") L x P (mm): 425 x 62 L x P (in): 16 3/4 x 2 15/32



### Grip finishes (For finish details and combinations refer to pages 8 & 9)



### **Body finishes**









1 inch (25mm) solid brass legs complemented with flush fitted, hand stitched and bonded bridle leather With long or short grips and front or rear fixed or back to back pairs

Three standard lengths or custom

Shown here in Chocolate and Satin Nickel



Square Short (stitch in) 25mm (1") R1067

200 Centres 200mm (7 7/8") L x P (mm): 225 x 65 L x P (in): 8 27/32 x 2 9/16

**300** Centres 300mm (11 13/16") L x P (mm): 325 x 65 L x P (in): 12 25/32 x 2 9/16 **400** Centres 400mm (15 3/4") L x P (mm): 425 x 65

L x P (in): 16 3/4 x 2 9/16

**Grip finishes** (For finish details and combinations refer to pages 8 & 9)



















R1068

200 Centres 200mm (7 7/8")

**300** Centres 300mm (11 13/16") L x P (mm): 325 x 65

**400** Centres 400mm (15 3/4") L x P (mm): 425 x 65

L x P (in): 12 25/32 x 2 9/16

L x P (in): 16 3/4 x 2 9/16

L x P (mm): 225 x 65 L x P (in): 8 27/32 x 2 9/16

Square Long (stitch in) 25mm (1")



NICKEL

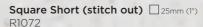
**Body finishes** 





Shown here in Chestnut and Satin Nickel





200 Centres 200mm (7 7/8") L x P (mm): 225 x 65 L x P (in): 8 27/32 x 2 9/16 300 Centres 300mm (11 13/16") L x P (mm): 325 x 65 L x P (in): 12 25/32 x 2 9/16 **400** Centres 400mm (15 3/4") L x P (mm): 425 x 65



Square Long (stitch out) 25mm (1") R1074

200 Centres 200mm (7 7/8") L x P (mm): 225 x 65 L x P (in): 8 27/32 x 2 9/16 **300** Centres 300mm (11 13/16") L x P (mm): 325 x 65 L x P (in): 12 25/32 x 2 9/16 **400** Centres 400mm (15 3/4") L x P (mm): 425 x 65 L x P (in): 16 3/4 x 2 9/16

Grip finishes (For finish details and combinations refer to pages 8 & 9)









Italian woven leather bonded over two diameters of pulls (16mm or 22mm) set between two simple brass legs

Available in Tobacco from stock or contact our sales department to view other finishes (subject to minimum orders)

Three standard lengths or custom



### Slim Woven Barrel Ø16 R2235

 Centres 200mm (7 7/8") L x P (mm): 222 x 63 L x P (in): 8 3/4 x 2 1/2 Centres 300mm (11 13/16") L x P (mm): 322 x 63 L x P (in): 12 11/16 x 2 1/2 Centres 400mm (15 3/4") L x P (mm): 422 x 63 L x P (in): 16 5/8 x 2 1/2



### Woven Barrel Ø22 R2077

 Centres 200mm (7 7/8") L x P(mm): 228 x 63 L x P (in): 8 31/32 x 2 1/2 Centres 300mm (11 13/16") L x P (mm): 328 x 63 L x P (in): 12 29/32 x 2 1/2 Centres 400mm (15 3/4") L x P (mm): 428 x 63 L x P (in): 16 27/32 x 2 1/2

### **Body finishes**









# Solid brass bodies recessed with flush fitted bonded bridle leather Available as single or back to back pairs Ski pull available also with 52mm round rose

Shown here in Chocolate and Satin Nickel



L x P x W (in): 6 5/16 x 1 3/8 x 6 5/16



Rectangle R1084 L x P x W (mm): 300 x 35 x 80 L x P x W (in): 11 13/16 x 1 3/8 x 3 5/32

### Woven grip finishes (For finish details and combinations refer to pages 8 & 9)



44



Grip finishes (For finish details and combinations refer to pages 8 & 9)



**Ski** R1080

L x P (in): 10 13/16 x 2 3/8 Centres 226mm











**Body finishes** 







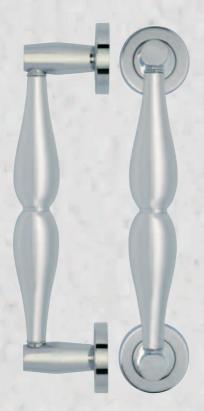
solid door pulls solid door pulls

Solid Brass pulls available in four different plated finishes Grips and Roses can be made in contrasting alternative finishes Face or rear fixed or back to back pairs

Shown here in Bright Chrome



**Tube** S1336 L x P (mm): 275 x 59 L x P (in): 10 27/32 x 2 11/32 Centres 223mm



Plain S1056 L x P (mm): 280 x 65 L x P (in): 11 1/32 x 2 9/16 Centres 228mm



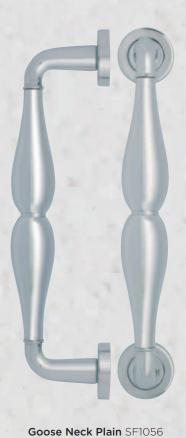
Oval Angle S1065 L x P x W (mm): 280 x 60 x 24 L x P x W (in): 11 1/32 x 2 3/8 x 31/32 Centres 228mm



**Ski** S1081 L x P x W (mm): 275 x 59 x 25 L x P x W (in): 10 27/32 x 2 11/32 x 1 Centres 226mm



Goose Neck Tube SF1336 L x P (mm): 290 x 70 L x P (in): 11 9/16 x 2 3/4 Centres 245mm



L x P (mm): 290 x 78 L x P (in): 11 9/16 x 3 1/16 Centres 245mm

Finishes (For finish details and combinations refer to pages 8 & 9)









NICKEL (SN)

Finishes (For finish details and combinations refer to pages 8 & 9)







NICKEL



Solid Square and Barrel designs, available in standard centres or custom lengths

Face, rear or back to back fixing

Shown here in Bright Chrome



### Solid Barrel S1340 Ø25mm

**300** Centres 300mm (11 13/16") L x P (mm): 400 x 65 L x P (in): 15 3/4 x 2 9/16 **400** Centres 400mm (15 3/4") L x P (mm): 500 x 65 L x P (in): 19 11/16 x 2 9/16 500 Centres 500mm (19 11/16") L X P ( mm): 600 x 65 L x P (in): 23 5/8 x 2 9/16

Finishes (For finish details and combinations refer to pages 8 & 9)

### Solid Square S1690 25mm (1")

**300** Centres 300mm (11 13/16") L x P (mm): 325 x 65 L x P (in): 12 25/32 x 2 9/16 400 Centres 400mm (15 3/4") L x P (mm): 425 x 65 L x P(in): 16 3/4 x 2 9/16 **500** Centres 500mm (19 11/16") L x P (mm): 525 x 65 L x P(in): 20 21/32 x 2 9/16



50



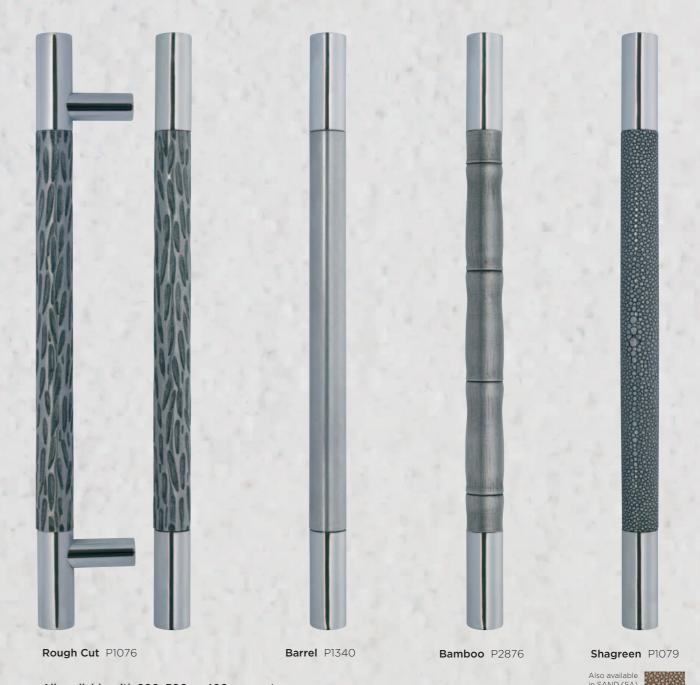
NICKEL

## Hand cast grips in four distinct designs

Three stock lengths or custom lengths with additional legs

Face, rear or back to back pair fixing

Shown here in Alupewt and Bright Chrome



### All available with 200, 300 or 400mm centres

Grip finishes (For finish details and combinations refer to pages 8 & 9)

200 Centres 200mm (7 7/8") L x P (mm): 300 x 65 L x P (in): 11 13/16 x 2 9/16

**300** Centres 300mm (11 13/16") L x P (mm): 400 x 65 L x P (in): 15 3/4 x 2 9/16

**400** Centres 400mm (15 3/4") L x P (mm): 500 x 65 L x P (in): 19 11/16 x 2 9/16

# **Body finishes**









Softer goose neck shafts give the pulls a more classic feel, suitable for cupboards or interior doors, with co-ordinating cabinet pulls and door levers

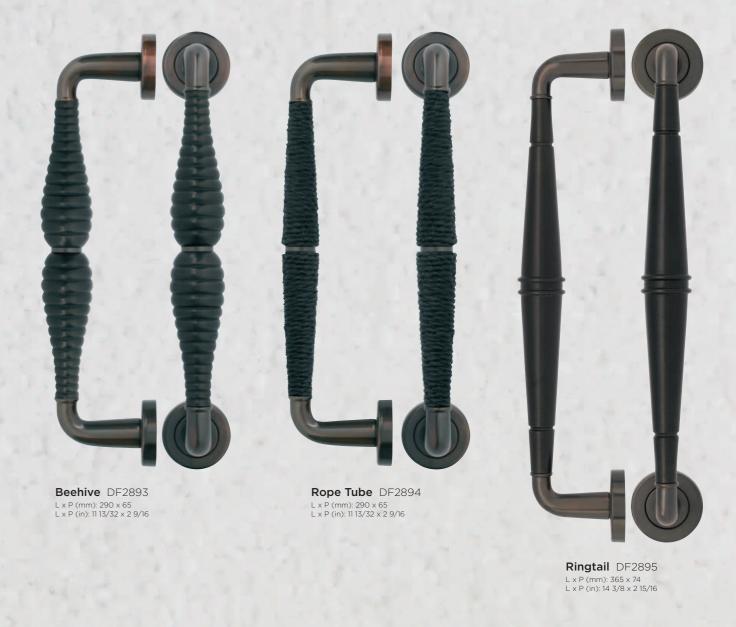
Face, rear or back to back pair fixings

Handmade, therefore centres and lengths may vary

See page 55 for full range of grips

Shown here on smaller 45mm rose in Black Bronze and Dark Bronze





















**Body finishes** 







Grip finishes (For finish details and combinations refer to pages 8 & 9)











**Body finishes** 







A few new designs added for 2013 along with the new Silver Bronze finish Face, rear or back to back pair fixing

Handmade, therefore centres and lengths may vary

Shown here on 52mm rose in Alupewt and Satin Nickel



Plain D1056 L x P (mm): 280 x 66 L x P (in): 11 1/32 x 2 5/8



Plain Large D1057 L x P (mm): 352 x 66 L x P (in): 13 7/8 x 2 5/8



Ringtail D1053 L x P (in): 13 25/32 x 2 15/16

# **Body finishes**







Rough Cut Tube D2881 L x P (mm): 275 x 64 L x P (in): 10 27/32 x 2 17/32





D1051



Rope Tube D1052 D1336 L x P (mm): 280 x 64 L x P (in): 11 1/32 x 2 17/32 L x P (mm): 275 x 64 L x P (in): 10 27/32 x 2 17/32



D1049 L x P (mm): 260 x 65 L x P (in): 10 1/4 x 2 9/16



D1054 L x P (mm): 277 x 68 L x P (in): 10 29/32 x 2 11/16

### **Grip finishes** (For finish details and combinations refer to pages 8 & 9)



D1055

L x P (mm): 277 x 68 L x P (in): 10 29/32 x 2 11/16







D1050

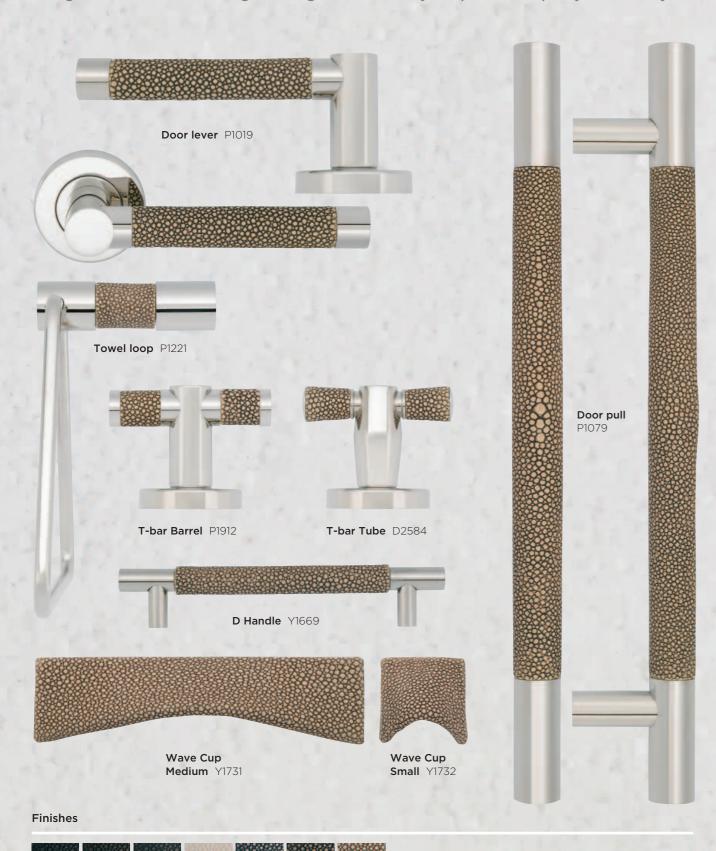


**Body finishes** 



**Grip finishes** (For finish details and combinations refer to pages 8 & 9)

Incredible facsimile of Shagreen (sting ray skin) hand cast and finished in the new Sand finish, a far greener alternative to using real Shagreen without any compromise to quality or durability



# Shown below in Mother of Pearl and Bright Chrome

inlaid and bonded



### Shown below in Paua and Satin Nickel

Solid brass body recessed with real Paua or Mother of Pearl (all sustainably sourced and certified)





**Rectangle** RS1201 L x P x W (mm): 75 x 19 x 25 L x P x W (in): 3 x 3/4 x 1



**Square** RS1200 L x P x W (mm): 40 x 19 x 40 L x P x W (in): 1 19/32 x 3/4 x 1 19/32



**Large Circle** RS1204 Dia x P (mm): 60 x 19 Dia x P (in): 2 3/8 x 3/4



**Small Circle** RS1202 L x P x W (mm): 34 x 19 x 34 L x P x W (in): 1 11/32 x 3/4 x 1 11/32

Shell grip finishes (For finish details and combinations refer to pages 8 & 9)



**Body finishes** 





NICKEL





DARK BRONZE (DB)

For full technical specifications contact our sales department or visit www.turnstyledesigns.com

BONE (BN)

56

ALUPEWT

leather custom work leather custom work

As well as our extensive range of catalogue products we can also design and produce to customers' specifications.

Custom leather requests come in a number of forms, from a simple change of stitch, by colour or stitch type, to a different sized door pull or cabinet pull right up to a completely custom part made either with or without

Here are a few key facts to bear in mind when considering commissioning us to make custom leather

### Stitching

For hand stitched parts we can offer a number of stiching details from the type of stitch work, the number or stitches per inch to the colour of the thread.

Shown here are some of the hand stitched options available.







### Types of leather

We manufacture all our catalogue handles out of the very finest Italian vegetable tanned bridle or saddle leather. This has a number of advantages over Chromium tanned leather.

As well as being better for the environment and using only natural materials to tan the leather retains its natural oils, it remains in a more natural state and is therefore much tougher than Chromium tanned leathers, it also repairs much easier, simply by "boning" (rubbing a boning tool, or even the back of a spoon, the oils re surface and scratches and dents are removed. We can also finish the edges of our handles so they are wet rubbed into a clean edge, again this cannot be done with Chromium tanned leather or faux leathers. Likewise with Veg tanned leather we can wet mould the leather to forms, this again is not possible with Chromium leathers.

However, due to the limitations on colour ranges in the veg tanned leather we are able to use customers leather or source leathers for our clients that are Chromium tanned and use them where the edges are not exposed in the Recess Leather range of products. This is also possible for the huge range of faux leathers and materials currently on the market.

If you are wishing to use your own supply of leather please contact our sales staff to discuss, we will ask for a sample so we can evaluate the suitability of the leather and to which design it would be suitable for.

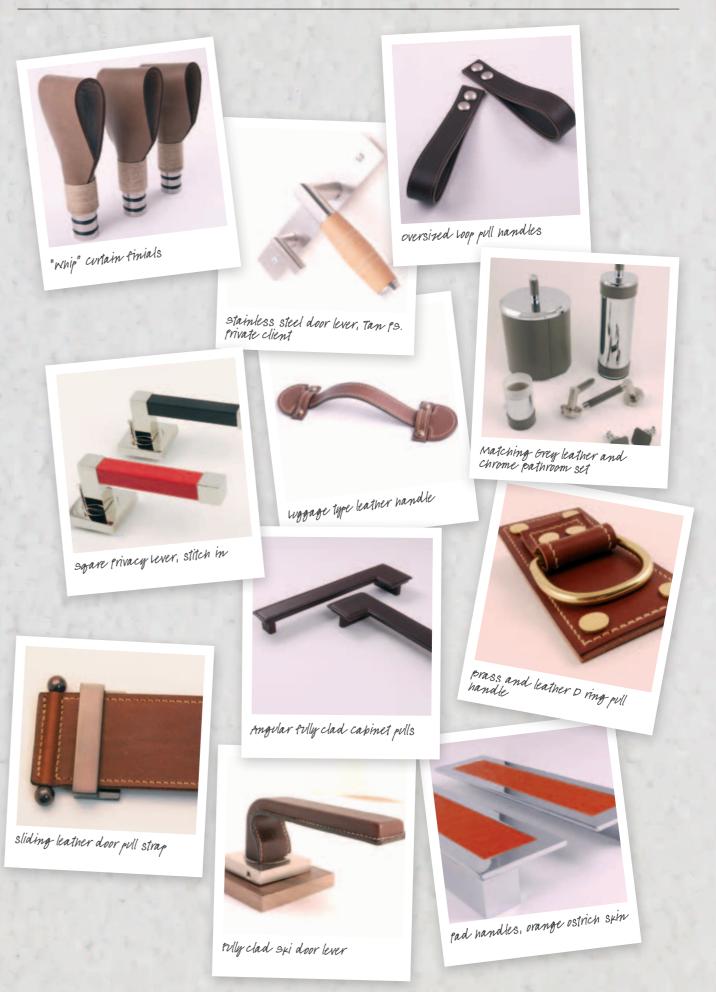


### Colour of thread

58

Just by changing the colour of the thread you can dramatically change the look of a design.





For many more examples of custom work visit www.turnstyledesigns.com

### Custom metal work

Turnstyle Designs works primarily with brass. Brass is a beautiful metal to work with in as much as it machines and casts very well and once polished produces a very good base to apply a myriad of electro plated and hand applied finishes, making it one of the most versatile metals to work with. It is also non-ferrous and therefore, like bronze will not rust.

### Machined work

We have a dedicated design engineer team working with CAD packages, who are happy to discuss your requirements and advise the most effective both in design and cost way to produce your idea. Wherever possible when custom work is required we will see if we can work with or adapt an existing stocked component, thus keeping costs down for the client. Failing that we will analyse the design and create a completely custom part to your requirement. We can offer 3D prototyping during the process to assist with final approval.



Amalfine™ is Turnstyle's family of hand cast composite materials, that have been developed and improved since the company started in 1992.

Amalfine™ is the perfect medium for customization, it is incredibly versatile, the moulds are inexpensive to produce thus making it ideal for low volume custom casting, depending on what medium is added to the blend, the range of finishes is limited only by your imagination, from wood and metal to something completely unique.

The silicone rubber moulds pick up the finest detail from the master and reproduce it perfectly. Door levers and pulls are cast around steel cores for added strength.

Contact our sales department to discuss your requirement and find out more about this wonderful material and process.







We work with both automatic CNC machines and hand set lathes and mills, the CNC machines are more suitable for larger runs of over 100 pcs, due to the cost of setting up the machine.

Investment (lost wax) and sand casting process are also available for designs that are not suitable for machining.

### **Custom Metal finishing**

As well as the custom metal finishes shown here we are usually able to match the clients sample, from a precious metal finish to PVD.





# Solid brass plated selection of hardware designed to complement our levers and pulls Shown in Satin Nickel

### Bolts and hooks



**Dust excluder socket** 



Dia (mm): 42 Dia (in): 15/8



Silent cabin hook X1126

H x W (mm): 126 x 35 H x W (in): 4 31/32 x 1 3/8 (other sizes available)



# Door stops



Pedestal X1125 H x W (mm): 75 x 41 H x W (in): 3 x 15/8



Hooded X1123



Wall or Floor mounted X1124

### Magnetic door stops



Square (Wall Mounted) X2596 P x W (mm): 82 x 38 P x W (in): 3 1/4 x 1 1/2



Round (Wall/Floor Mounted) X2046 P x Dia (mm): 55 x 34 P x Dia (in): 2 3/16 x 1 3/8

### Front door



Recessed letter plate F1127 H x W (mm): 108 x 305 (Aperture 222 x 54mm) H x W (in): 4 1/4 x 12 (other sizes available)



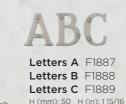
Interior letter plate flap F1130  $H \times W$  (mm):  $102 \times 305$  $H \times W$  (in):  $4 \frac{1}{32} \times 12$  (other sizes available)



Centre door knob F1128 Dia x P (in): 3 5/32 x 4 1/8



Numbers 1 F1884 Numbers 2 F1885 Numbers 3 F1886 H (mm): 76 H (in): 2 15/16







Ring door knocker F1129 H x W (in): 5 1/8 x 4 17/32

### Finishes (For finish details and combinations refer to pages 8 & 9)





NICKEL



### Sold as singles or pairs, with or without locks and latches Shown in Bright Chrome

### Flush Pulls H x W x D (mm) 100 x 50 x 19





Kidney S1406 Plain S1405



Push Button Sliding Edge Door Pull K2693 Lockable version also available



Pocket Edge Door Pull S1407

## 



Blank (single) - Face Fix S1955 Blank (pair) - Through Bolt S1955



Pair with turn - Through Bolt S1955



Set with turn & release - Through Bolt S1955



Set with turn and leather inset - Through Bolt R1955

Grip finishes (For finish details and combinations refer to pages 8 & 9)



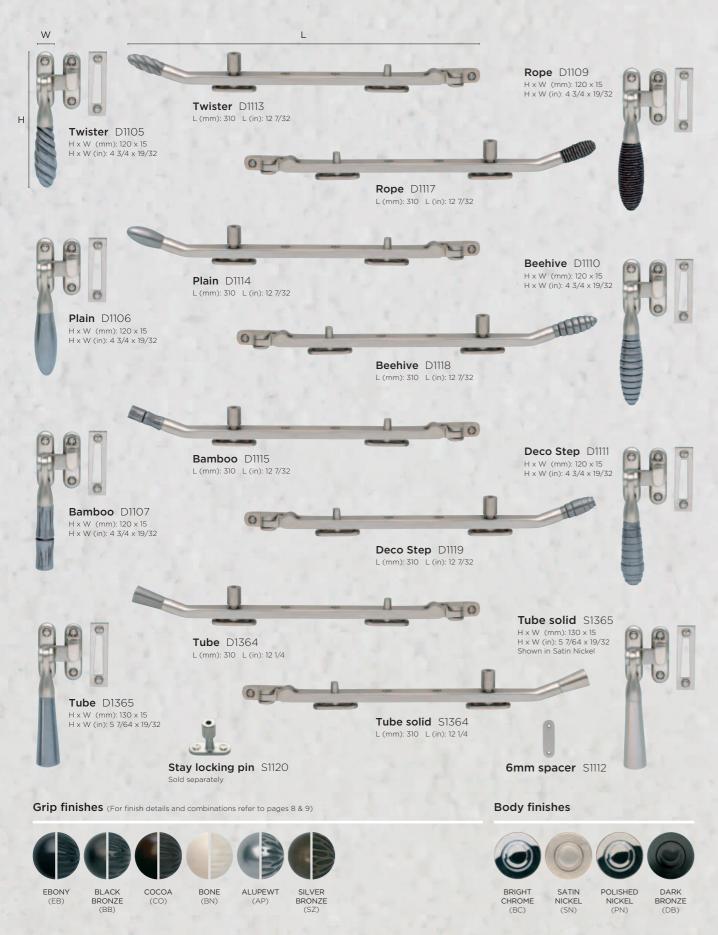
## **Body finishes**





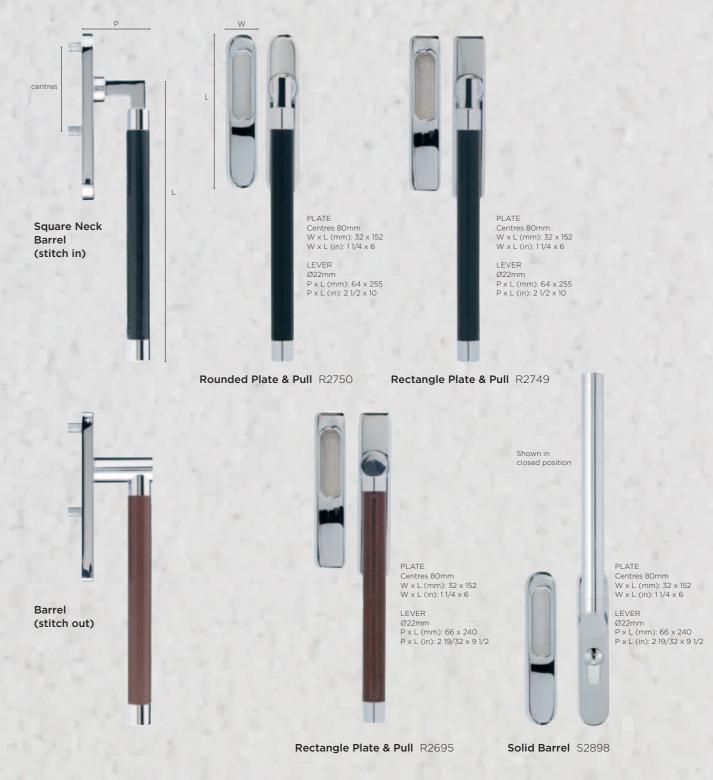
NICKEL

Solid brass with hand cast grips and tips to coordinate with the Amalfine™ range of levers Supplied with two standard pins Shown in Alupewt and Satin Nickel



Leather wrapped or solid oversized lever pulls with through bolted flush handles, for lift and slide / patio type doors

Shown in open position in Bright Chrome and Black Leather







# **Body finishes**











Use any of our door levers in conjunction with our Tilt and Turn mechanisms and roses, designed to work with most multipoint casement window systems.

Supplied with 7mm spindle ratchet keep

Shown below on oval rose with a selection of grip and brass bodies



D1329

finish shown AP/SN

C1395

finish shown CN/SN

L x P (mm): 145 x 64 L x P (mm): 140 x 65 L x P (mm): 140 x 65 L x P (mm): 155 x 59 L x P (in): 5 1/2 x 2 9/16 L x P (in): 5 1/2 x 2 9/16 L x P (in): 5 1/2 x 2 9/16 L x P (in): 6 1/8 x 2 3/4 L x P (in): 6 1/8 x 2 3/4

P1408

finish shown BN/PN

R1100

finish shown CT/DB

Shown below on rectangle rose with a selection of grip and brass bodies

Tube

S1328

finish shown SN

D1104

finish shown BB/BC L x P (mm): 148 x 63 L x P (in): 5 13/16 x 2 1/2



Leather and Amalfine™ finishes (For finish details and combinations refer to pages 8 & 9)

For grip finishes, refer to relevant door lever pages

### **Body finishes**







# cranked window handles

Hot forged brass shafts and plates available with Combination Amalfine™, solid or leather grips Brass and steel cam lock, compatible with most multipoint casement systems, fitted with 7mm spindle Shown here with a selection of grips and finishes. Levers are handed (right handed shown) All styles available in non-locking version





(finish shown EB/SN) L x P (mm): 152 x 60 L x P (in): 5 31/32 x 2 3/8 (finish shown CO/DB) L x P (mm): 157 x 60 L x P (in): 6 3/16 x 2 3/8

Small Twister

D1086



Ringtail D1090 (finish shown CO/PN) L x P (mm): 155 x 63 L x P (in): 6 7/64 x 2 17/32



Rope Tube

D1087





Tube

D1366

(finish shown BN/BC) L x P (mm): 160 x 58 L x P (in): 6 5/16 x 2 9/32

(finish shown CN/SN) L x P (mm): 168 x 67 L x P (in): 6 5/8 x 2 5/8



Tube

S1366

(finish shown SN) L x P (mm): 165 x 58

Bamboo D1781



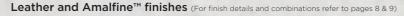
**Shagreen Tube** 

D2517

D1779

Centre Twist

(finish shown AP/SN) L x P (mm): 160 x 60 L x P (in): 6 5/16 x 2 3/8 (finish shown CO/DB) L x P (mm): 152 x 60 L x P (in): 5 31/32 x 2 3/8



For grip finishes, refer to relevant door lever pages

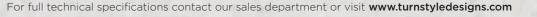
68

### Shaft and plate finishes









# CNC machined solid brass recessed with flush fitted bonded bridle leather Custom lengths of D handles available subject to minimum quantities

Shown here in Chestnut with Satin Nickel







L x P (in): 2 3/8 x 1 19/32

L x P (mm): 60 x 31

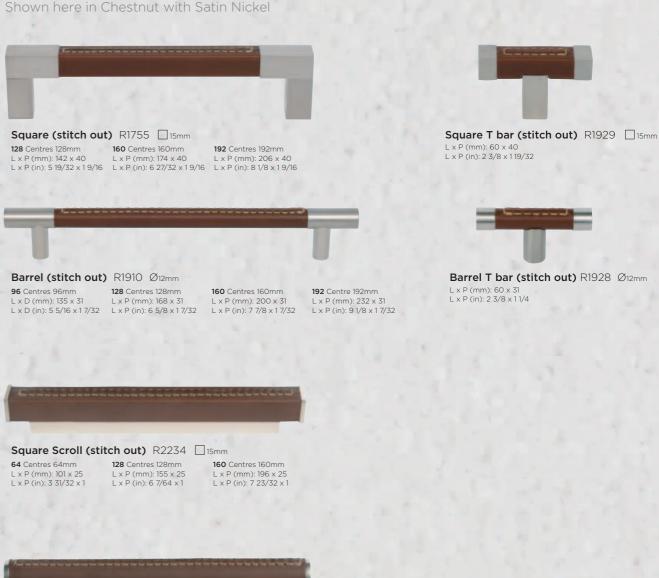
L x P (in): 2 3/8 x 1 1/4





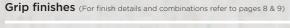






CNC machined brass legs and bars with hand stitched (in or out) bridle leather grips

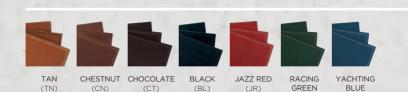
Custom length D handles available subject to minimum quantities

















# Knobs to co-ordinate with D handles Solid brass with bonded, flush fitted leather

Shown here in Chestnut with Satin Nickel



Square R1200 L x P x W (mm): 40 x 19 x 40 L x P x W (in): 1 19/32 x 3/4 x 1 19/32



Rectangle R1201 L x P x W (mm): 75 x 19 x 25 L x P x W (in): 2 31/32 x 3/4 x 1



Cylinder R1206 Dia x P (mm): 19 x 35 Dia x P (in): 3/4 x 1 13/32



**Dive** R2153 L x P x W (mm): 75 x 22 x 34 L x P x W (in): 2 31/32 x 7/8 x 1 11/32



Ledge R2154 L x P x W (mm): 55 x 22 x 38 L x P x W (in): 2 3/16 x 7/8 x 1 1/2



Small Circle R1202 P x D (mm): 19 x 34 P x D (in): 3/4 x 1 11/32



Large Circle R1204 P x D (mm): 19 x 60 P x D (in): 3/4 x 2 3/8



Small Semi Circle R1203 L x P x W (mm): 34 x 19 x 17 L x P x W (in): 1 11/32 x 3/4 x 21/32



Large Semi Circle R1205 L x P x W (mm): 60 x 19 x 30 L x P x W (in): 2 3/8 x 3/4 x 1 3/16













**Body finishes** 









SATIN NICKEL

Fully covered hand stitched bridle leather handles, a luxurious complement to any piece of furniture

Shown here in Chocolate leather



Slim Case H1877 Centres 128mm L x P x W (mm): 184 x 26 x 31 L x P x W (in): 7 1/4 x 11/32 x 17/32



**Scalloped Square Large** H1874 L x P x W (mm): 85 x 24 x 85 L x P x W (in): 3 3/8 x 31/32 x 3 3/8



Scalloped Square Medium H1875 L x P x W (mm): 66 x 24 x 66 L x P x W (in): 2 5/8 x 31/32 x 2 5/8



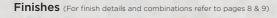
**Scalloped Square Small** H1876 L x P x W (mm): 53 x 20 x 53 L x P x W (in): 2 1/16 x 13/16 x 2 1/16



Large Wing H2886 LxPxW (mm): 82 x 22 x 42 LxPxW (in): 3 1/4 x 7/8 x 1 21/32



Small Wing H2887 L x P x W (mm): 44 x 22 x 40 L x P x W (in): 13/4 x 7/8 x 119/32







Wave Large H1196 L x P x W (mm): 235 x 29 x 50 L x P x W (in): 9 1/4 x 1 5/32 x 1 31/32



Wave Medium H1195 LxPxW (mm): 170 x 28 x 50 LxPxW (in): 6 23/32 x 11/8 x 1 31/32



Wave Small H1194 L x P x W (mm): 50 x 22 x 50 L x P x W (in): 1 31/32 x 7/8 x 31/32





Bench 128

Centres 128mm L x P x W (mm): 140 x 30 x 26
L x P x W (in): 5 1/2 x 1 3/16 x 1 1/32



Centres 64mm L x P x W (mm): 75 x 30 x 26 L x P x W (in): 2 31/32 x 1 3/16 x 1 1/32



Curve H1193 (available in 96mm and 128mm centres)

Curve 128

Centres 128mm L x P x W (mm): 170 x 29 x 25
L x P x W (in): 6 11/16 x 1 5/32 x 1



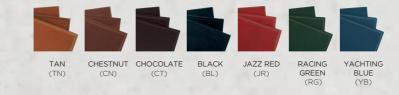
**Button** H1190 Dia x P (mm): 45 x 26 Dia x P (in): 1 25/32 x 11/32



Wave handles shown in Chestnut

Button small H1191 Dia x P (mm): 35 x 22 Dia x P (in): 1 3/8 x 7/8

Finishes (For finish details and combinations refer to pages 8 & 9)



# saddle leather cabinet handles

# End stitched, sitting proud of zamak die cast handles and pulls

Shown here in Chestnut and Matt Nickel and Stainless Steel





Centres 160mm L x P x W (mm): 170 x 29 x 10 L x P x W (in): 6 11/16 x 1 5/32 x 13/32



 96 Centres 96mm
 160 Centres 160mm

 L x P x W (mm): 104 x 30 x 17
 L x P x W (mm): 168 x 30 x 17

 L x P x W (in): 4 3/32 x 1 3/16 x 21/32
 L x P x W (in): 6 5/8 x 1 3/16 x 21/32







Centres 128mm L x P x W (mm): 192 x 30 x 17 L x P x W (in): 7 9/16 x 1 3/16 x 21/32



Saddle Bar T1170 (available in Satin Stainless) Ø14.5mm 

 96 Centres 96mm
 128 Centres 128mm

 L x P (mm): 137 x 32
 L x P (mm): 168 x 32

 L x P (in): 5 13/32 x 1 1/4
 L x P (in): 6 5/8 x 1 1/4



Full Covered Bar T1168 (available in Satin Stainless)  $\emptyset$ 14.5mm 128 Centres 128mm 160 Centres 160mm L x P (mm): 135 x 37 L x P (in): 5 5/16 x 115/32 L x P (in): 6 5/8 x 115/32 L x P (in): 9 1/16 x 115/32

Roll Top T1176

L x P x W (mm): 45 x 30 x 16 L x P x W (in): 1 25/32 x 1 3/16 x 5/8

Rectangle T1178

L x P x W (mm): 70 x 20 x 20 L x P x W (in): 2 3/4 x 25/32 x 25/32

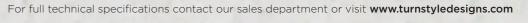
Full Covered T Bar T1285 Ø14.5mm L x P (mm): 60 x 30 L x P (in): 2 3/8 x 1 3/16

# **Body finishes**











Button range of strap handles available with or without stitching, available with face or through bolt fixings

Custom lengths available to order subject to minimum quantity

# **Leather Stitched Strap**

Shown here in Chestnut and Antique Bronze



Button (stitched) Large U1185 Centres 160mm L x P x W (mm): 200 x 26 x 25



Button (stitched) Medium U1186



Button (stitched) Small U1187 Centres 160mm L x P x W (mm): 130 x 26 x 25 L x P x W (in): 5 1/8 x 1 x 1

**Leather Plain Strap** Shown here in Chestnut and Bright Chrome



(Strap 30mm, Bow 40mm) with dome nut Wood screws also available, please specify



Button (stitched) Loop U1189 L x P x W (mm): 80 x 26 x 25 L x P x W (in): 3 1/8 x 1 x 1



Button (unstitched) Large UP1185 Centres 160mm L x P x W (mm): 200 x 26 x 25 L x P x W (in): 7 7/8 x 1 x 1



Button (unstitched) Medium UP1186 Centres 128mm L x P x W (mm): 168 x 26 x 25 L x P x W (in): 6 5/8 x 1 x 1



Button (unstitched) Small UP1187 Centres 160mm L x P x W (mm): 130 x 26 x 25



Button (unstitched) Loop UP1189 L x P x W (mm): 80 x 26 x 25 L x P x W (in): 3 1/8 x 1 x 1

**Button finishes** 

# **Grip finishes** (For finish details and combinations refer to pages 8 & 9)









# Square range of strap handles, stitched or plain, solid brass end caps fitted with an anti twist location pin to ensure the square stays....square.

Custom lengths available to order

# **Leather Stitched Strap**

Shown here in Chestnut and Satin Nickel



Square Loop (stitched) U1882 L x P x W (mm): 80 x 26 x 30 L x P x W (in): 3 1/8 x 1 x 1 3/16



Square Tab (stitched) U1881 L x P x W (mm): 62 x 26 x 30 L x P x W (in): 2 7/16 x 1 x 1 3/16

# Leather Plain Strap

L x P x W (mm): 158 x 26 x 30 L x P x W (in): 6 3/8 x 1 x 1 3/16

Shown here in Chestnut and Satin Nickel





Square Loop (unstitched) UP1882 L x P x W (mm): 80 x 26 x 30 L x P x W (in): 3 1/8 x 1 x 1 3/16



Square Tab (unstitched) UP1881 L x P x W (mm): 62 x 26 x 30 L x P x W (in): 2 7/16 x 1 x 1 3/16

Grip finishes (For finish codes and combinations refer to pages 8 & 9)



# **End finishes**









# Rear fixed, machine stitched bridle leather wrapped over steel frames

# **Bow Plain**

Shown here in Chestnut leather



Large AP1180 Centres 160mm

L x P x W (mm): 186 x 26 x 25 L x P x W (in): 7 11/32 x 1 1/32 x 1



**Medium** AP1181 Centres 128mm L x P x W (mm): 158 x 26 x 25 L x P x W (in): 61/4 x 11/32 x 1



**Small** AP1182 Centres 96mm L x P x W (mm): 122 x 26 x 25 L x P x W (in): 4 13/16 x 1 1/32 x 1



# Mortice wing machine stitched sleeves, conceal edge fitted

Shown in Chestnut Leather



Large Mortice Wing L1185

L x P (mm): 200 x 25



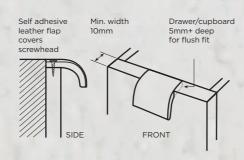
**Medium** L1186 L x P (mm): 60 x 25 L x P (in): 2 3/8 x 1



**Small** L1187 L x P (mm): 28 x 25 L x P (in): 11/8 x 1



**Roll End** L1188 L x P (mm): 57 x 53 L x P (in): 2 1/4 x 2 3/32



# Finishes (For finish details and combinations refer to pages 8 & 9)



# Stitched leather over steel frames fitted with Button detail

Shown in Chestnut and Antique Bronze



**Bow Button Large** A1180 Centres 160mm L x P x W (mm): 186 x 26 x 25 L x P x W (in): 7 11/32 x 1 1/32 x 1



All Strap and Bow handles supplied with M5 bolt (Strap 30mm, Bow 40mm) with dome nut. Wood screws also available, please specify



**Bow Button Medium** A1181 Centres 128mm L x P x W (mm): 158 x 26 x 25 L x P x W (in): 6 1/4 x 1 1/32 x 1



**Bow Button Small** A1182 Centres 96mm L x P x W (mm): 122 x 26 x 25 L x P x W (in): 4 13/16 x 1 1/32 x 1





Brass Framed Cup A1183 L x P x W (mm): 152 x 23 x 60 L x P x W (in): 6 x 31/32 x 2 3/8



ESTNUT CHO



D RACING YAC

**Button finishes** 









# Hand stitched leather pulls fitted with Turnstyle quality, brass slam latch mechanism or plastic push to lock latch

# Button, latch and keep plated to match

Shown in Tan leather and Polished Nickel buttons



Large Wing H2011 L x P x W (mm): 82 x 22 x 42 L x P x W (in): 3 1/4 x 7/8 x 1 21/32



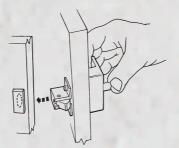
Small Wing H2012 L x P x W (mm): 44 x 22 x 40 L x P x W (in): 1 3/4 x 7/8 x 1 19/32



Large Wave H2221 L x P x W (in): 9 1/4 x 1 5/32 x 1 31/32



Small Wave H1948 L x P x W (mm): 50 x 22 x 50 L x P x W (in): 1 31/32 x 7/8 x 31/32



Latch options

Sprung Latch and Stop/Keep



Solid brass, with brass stop/keep. Simple to fit, durable, quiet and reliable. Operates by pushing to

# Savile Lift & Pull Cabinet Handles Suitable for case thickness of 10 to 25mm Simple one hand operation



Circle H2010 Dia x P (mm): 38 x 6 Dia x P (in): 11/2 x 1/4



Square H2009 L x P x W (mm): 40 x 6 x 40 L x P x W (in): 119/32 x 1/4 x 119/32





# Leather Composite Push Button Cabinet Handle



Rectangle D LC1950 L x P x W (mm): 110 x 24 x 21 L x P x W (in): 4 11/32 x 15/16 x 27/32



# **Grip finishes** (For finish details and combinations refer to pages 8 & 9)















**Body finishes** 



# **Recess Leather and Solid Push Button Cabinet Handles**

Shown here in Chestnut and Satin Nickel



L x P x W (mm): 55 x 22 x 38 L x P x W (in): 2 3/16 x 7/8 x 1 1/2



**Dive** R1990 L x P x W (mm): 75 x 22 x 34 L x P x W (in): 2 31/32 x 7/8 x 1 11/32

# Solid Push Button Cabinet Handles

Shown here in Satin Nickel



Ledge S1989 L x P x W (mm): 55 x 22 x 38 L x P x W (in): 2 3/16 x 7/8 x 1 1/2



Small Wing S2012 L x P x W (mm): 40 x 20 x 36 L x P x W (in): 1 19/32 x 13/16 x 1 13/32



**Dive** \$1990 L x P x W (mm): 75 x 22 x 34 L x P x W (in): 2 31/32 x 7/8 x 1 11/32



Large Wing S2011 L x P x W (mm): 78 x 20 x 38 L x P x W (in): 3 1/16 x 13/16 x 1 1/2

# Latch options



Sprung Latch and Stop/Keep



reliable. Operates by pushing to

Push Button Positive Lock (Ledge and Dive only)



For clients requiring a locking solution, positve lock.

# Grip finishes (For finish details and combinations refer to pages 8 & 9)













**Body finishes** 





Various grip designs available on the following roses, sprung or unsprung, suitable for cupboards, doors and windows

Shown here with Combination Amalfine™ - Tube grip



52mm Round Rose



45mm Round Rose



52mm Square Rose

Designs available



60x30mm Oval Rose



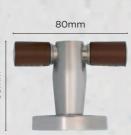
60x30mm **Rectangle Rose** 



Solid Tube S1686



Combination Amalfine™ Tube D1686



Tube - side view



Solid Barrel S2017



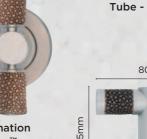
Recess Amalfine™ Rough Cut P2359



Combination Amalfine™ Bamboo D1291



Combination Amalfine™ Shagreen D2584







Recess Amalfine™ Shageen P1912



For grip finishes, refer to relevant door lever pages

Combination Leather Combination Leather



Tube (stitch in) C1481 Tube (stitch out) C1290

Leather and Amalfine™ finishes (For finish details and combinations refer to pages 8 & 9)





(stitch in) R1913

Recess Leather Barrel Recess Leather Barrel (stitch out) R1911

**Body finishes** 





For full technical specifications contact our sales department or visit www.turnstyledesigns.com

# Bold and beautifully simple hand cast and finished in Amalfine™

Shown here in Cocoa and Bone

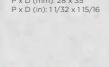


Ringed Bowl Z1728 P x D (mm): 25 x 68 P x D (in): 1 x 2 11/16



Large Panini Z1723 P x D (mm): 28 x 35 P x D (in): 1 1/32 x 1 15/16







Large Bowl Z1727 P x D (mm): 29 x 68 P x D (in): 1 3/2 x 2 11/16



Small Panini Z1726 P x D (mm): 26 x 34 P x D (in): 11/32 x 111/32



Medium Bowl Z1729 P x D (mm): 23 x 57 P x D (in): 29/32 x 2 1/4







# Hand cast from hand stitched originals, cast in Amalfine™

A more cost effective option for the hand stitched look, the handles will not age like real leather Shown here in Mocha



Large Sliced LC1868 Centres 96mm L x P x W (mm): 160 x 20 x 49 L x P x W (in): 6 5/16 x 13/16 x 1 15/16



Rectangular D LC1178 Centres 96mm L x P x W (mm): 110 x 23 x 23 L x P x W (in): 411/32 x 29/32 x 29/32



Square D LC1361 Centres 96mm L x P x W (mm): 111 x 34 x 18 L x P x W (in): 4 3/8 x 1 11/32 x 23/32



Large Square Top LC1883 L x P x W (mm): 49 x 29 x 49 L x P x W (in): 1 15/16 x 1 5/32 x 1 15/16



Finishes (For finish details and combinations refer to pages 8 & 9)

Ball Stitched LC1748 P x D (mm): 33 x 44 P x D (in): 1 5/16 x 1 23/32



Flat Top LC1866 L x P x W (mm): 45 x 23 x 49 L x P x W (in): 125/32 x 29/32 x 19/32



Egg Stitched LC1749 L x P x W (mm): 48 x 42 x 27 L x P x W (in): 17/8 x 121/32 x 11/16



Mushroom LC1871 P x Dia (mm): 79 x 85 P x Dia (in): 3 1/8 x 3 5/16



Stitched Block LC1873 L x P x W (mm): 20 x 32 x 18 L x P x W (in): 25/32 x 1 1/4 x 23/32



Large Tapered Cylinder LC1869 P x D (mm): 37 x 34 P x D (in): 115/32 x 111/32



Small Tapered Cylinder LC1918 P x D (mm): 30 x 29 P x D (in): 1 3/16 x 1 5/32

Finishes (For finish details and combinations refer to pages 8 & 9)













For full technical specifications contact our sales department or visit www.turnstyledesigns.com





87

# Cabinet handles hand cast in fine detail to coordinate with the Amalfine™ ranges

Shown below in Alupewt



**Ball** N1131 P x D (mm): 27 x 29 P x D (in): 11/16 x 15/32



Large Ball N1284 P x D (mm): 36 x 38 P x D (in): 113/32 x 11/2



L x P x W (mm): 49 x 25 x 29 L x P x W (in): 127/32 x 1 x 1 5/32



Smooth Ball N1145 P x D (mm): 44 x 32 P x D (in): 123/32 x 11/4



Small Deco N1135 Deco Step N1134 P x D (mm): 24 x 29 P x D (in): 15/16 x 1 5/32 P x D (mm): 32 x 39 P x D (in): 11/4 x 117/32



Deco T N1148 L x P x W (mm): 51 x 32 x 20 L x P x W (in): 2 x 11/4 x 25/32



Deco Strip N1136 L x P (mm): 31 x 40 L x P (in): 1 7/32 x 1 9/16



Small Rope N1143 L x P (mm): 39 x 32 L x P (in): 117/32 x 11/4



Large Rope N1142 L x P (mm): 42 x 38 L x P (in): 11/2 X 17/8



Coffee Bean N1133 L x P x W (mm): 41 x 29 x 32 L x P x W (in): 15/8 x 15/32 x 11/4



Beaten N1132 L x P (in): 1 3/16 x 1 17/32



L x P x W (in): 3 21/32 x 1 25/32 x 1 5/32



L x P x W (in): 3 1/32 x 1 11/16 x 1 1/32



Bamboo T N1147 L x P x W (in): 2 9/16 x 1 9/16 x 9/16



Whale Tail T N1154 L x P x W (mm): 94 x 41 x 23 L x P x W (in): 3 11/16 x 1 5/8 x 29/32

Finishes (For finish details and combinations refer to pages 8 & 9)















Groove Twist T N1506 L x P x W (mm): 68 x 40 x 14 L x P x W (in): 2 11/16 x 1 9/16 x 9/16



Rough Cut T N1151 L x P x W (mm): 68 x 38 x 14 L x P x W (in): 2 11/16 x 1 1/2 x 9/16



L x P x W (mm): 70 x 42 x 20 L x P x W (in): 2 3/4 x 1 7/8 x 25/32



Groove Twist Egg N1138 L x P x W (in): 2 x 1 13/32 x 15/16



Groove Twist Ball N1137 P x D (mm): 44 x 32 P x D (in): 1 23/32 x 1 1/4



Rough Cut Ball N1144 P x D (in): 123/32 x 15/16



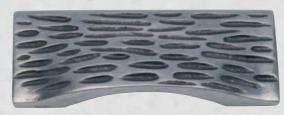
Ringtail N1140 P x D (in): 1 9/16 x 1 1/2



Small Ringtail N1141 P x D (mm): 25 x 23 P x D (in): 29/32 x 1



Groove Twist Cup N1155 L x P x W (mm): 104 x 22 x 40 L x P x W (in): 4 3/32 x 7/8 x 1 9/16



Rough Cut Cup N1156  $L \times P \times W \text{ (mm): } 100 \times 23 \times 40 \quad L \times P \times W \text{ (in): } 3 \text{ } 15/16 \times 29/32 \times 1 \text{ } 9/16$ 



Smooth Cup N1157 L x P x W (mm): 100 x 22 x 40 L x P x W (in): 3 15/16 x 7/8 x 1 9/16



Wave Cup Medium N1731 L x P x W (mm): 160 x 28 x 41 L x P x W (in): 6 19/64 x 1 3/32 x 1 5/8



Wave Cup Small N1732 P x D (in): 1/32 x 15/8



P x D (mm): 36 x 22 P x D (in): 1 13/32 x 7/8

Finishes (For finish details and combinations refer to pages 8 & 9)













Shagreen finishes

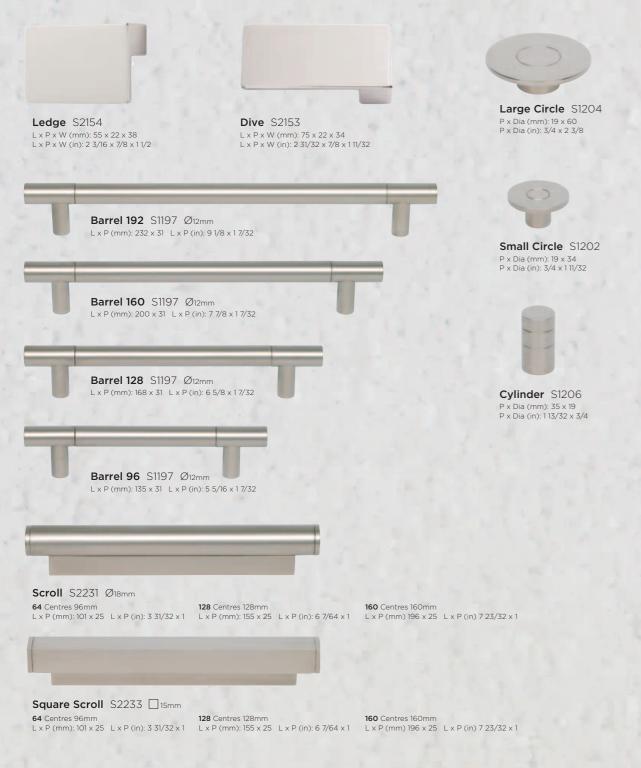






# New for 2013, solid brass engineered knobs and pulls, finished in our classic four electro plated finishes

Custom length D handles available subject to minimum quantity



# Finishes (For finish details and combinations refer to pages 8 & 9)



# Amalfine™ grip set between solid brass ends. All D handles have 128mm centres Supplied with M4 x 30 bolts Shown here in Cocoa and Polished Nickel Groove Twist Y1159 Ø15mm LxP(mm): 168 x 35 LxP(in): 65/8 x 13/8



**Rough Cut** Y1161 Ø15mm L x P (mm): 168 x 35 L x P x W (in): 6 5/8 x 1 3/8



**Ringtail** Y1162 Ø15mm L x P (mm): 168 x 35 L x P (in): 6 5/8 x 1 3/8



Also available

**Shagreen** Y1669 Ø15mm LxP(mm): 168 x 35 LxP(in): 65/8 x 13/8



**Bamboo** Y2879 Ø15mm L x P (mm): 168 x 35 L x P (in): 6 5/8 x 1 3/8

L x P (mm): 168 x 35 L x P x W (in): 6 5/8 x 1 3/8

Plain Y1163 Ø15mm





Body finishes







IED DARK EL BRONZE



# Stitched and bonded bridle leather on steel frame with brass arms

Shown here in Black on Bright Chrome



# **Grip finishes** (For finish details and combinations refer to pages 8 & 9)



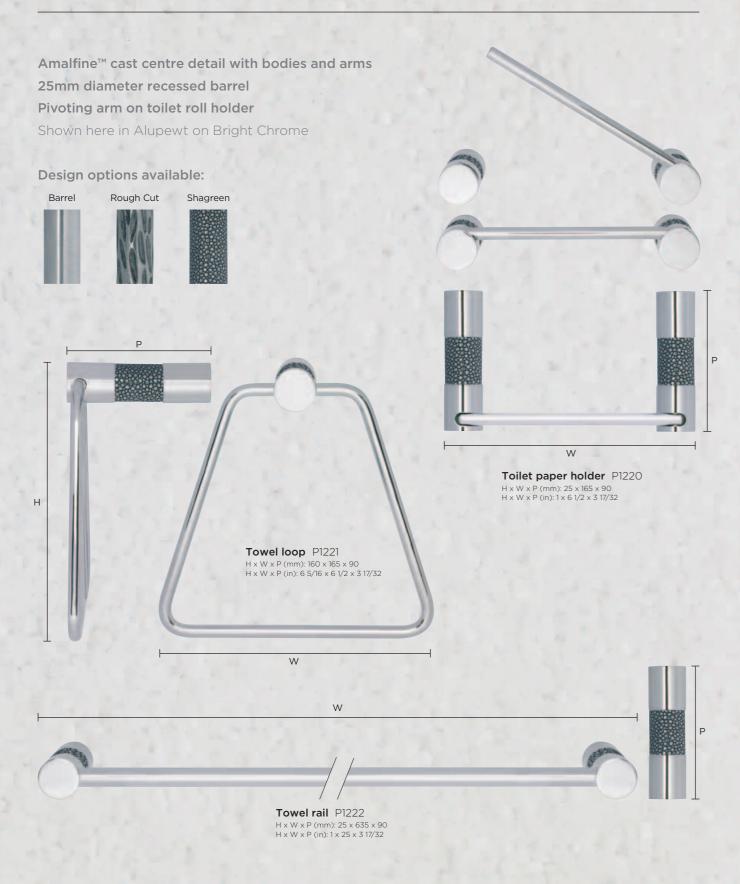
# **Body finishes**

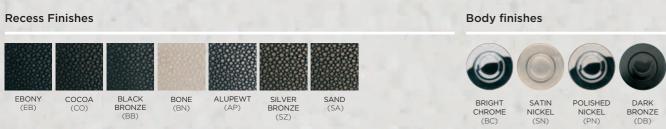






SATIN NICKEL (SN)





# Stitched and bonded bridle leather detail with brass arms

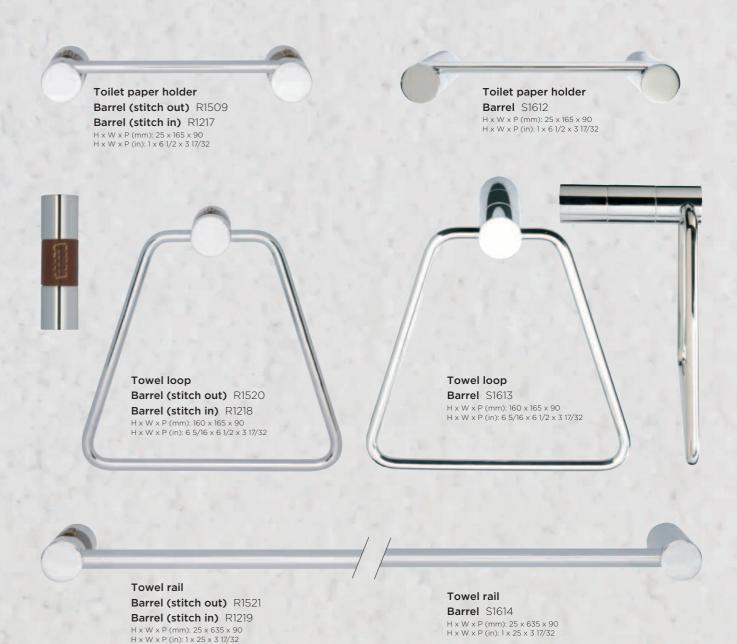
# 25mm diameter recessed barrel

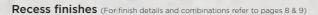
# Stitched Out or Stitched In versions available

Shown below in Chestnut and Bright Chrome

# Solid brass centres

Shown below in Bright Chrome







Body finishes







SHED DARK KEL BRONZE N) (DB)

# BSI tested and approved, high quality switches and sockets

# Other electrical configurations and continental fittings available on request

Shown here in Satin Nickel with Satin Chrome switches



Toggle switches



Single E1315 20 amp 2 way 20 amp intermediate H x W (mm): 85 x 85



Double E1316 20 amp 2 way 20 amp intermediate H x W (mm): 85 x 85



Triple E1317 20 amp 2 way H x W (mm): 85 x 145



**Rocker switches** 



Single E1318 20 amp 2 way 20 amp intermediate H x W (mm): 85 x 85



Double E1319 20 amp 2 way



Triple E1320 20 amp 2 way H x W (mm): 85 x 145



Dimmer switches



Single E1321 400va 2 way push on/off H x W (mm): 85 x 85



Double E1322 400va 2 way push on/off H x W (mm): 85 x 85



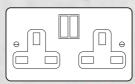
Triple E1323 400va 2 way push on/off H x W (mm): 85 x 145



Sockets



Single E1324 13 Amp switched H x W (mm): 85 x 85



Double E1325 13 Amp switched H x W (mm): 85 x 145

# Plate Finishes (For finish details and combinations refer to pages 4 & 5)







NICKEL



SATIN

NICKEL





Switch finishes



# Technically adapted for bridle leather wrapping, BSI tested and approved Other electrical configurations and continental fittings available on request

Shown here in Chestnut with Dark Bronze switches



Toggle switches



Single Q1315 20 amp 2 way 20 amp intermediate H x W (mm): 88 x 88



Double Q1316 20 amp 2 way 20 amp intermediate H x W (mm): 88 x 88



Triple Q1317 20 amp 2 way H x W (mm): 88 x 148



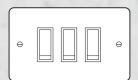
**Rocker switches** 



Single Q1318 20 amp 2 way 20 amp intermediate H x W (mm): 88 x 88



Double Q1319 20 amp 2 way 20 amp intermediate H x W (mm): 88 x 88



Triple Q1320 20 amp 2 way H x W (mm): 88 x 148



Dimmer switches



Single Q1321 400va 2 way push on/off H x W (mm): 88 x 88



Double Q1322 400va 2 way push on/off H x W (mm): 88 x 88



Triple Q1323 400va 2 way push on/off H x W (mm): 88 x 148



Sockets



Single Q1324 13 Amp switched H x W (mm): 88 x 88



Double Q1325 13 Amp switched H x W (mm): 88 x 148

# Leather Finishes (For finish details and combinations refer to pages 4 & 5)







SATIN

NICKEL

Switch finishes

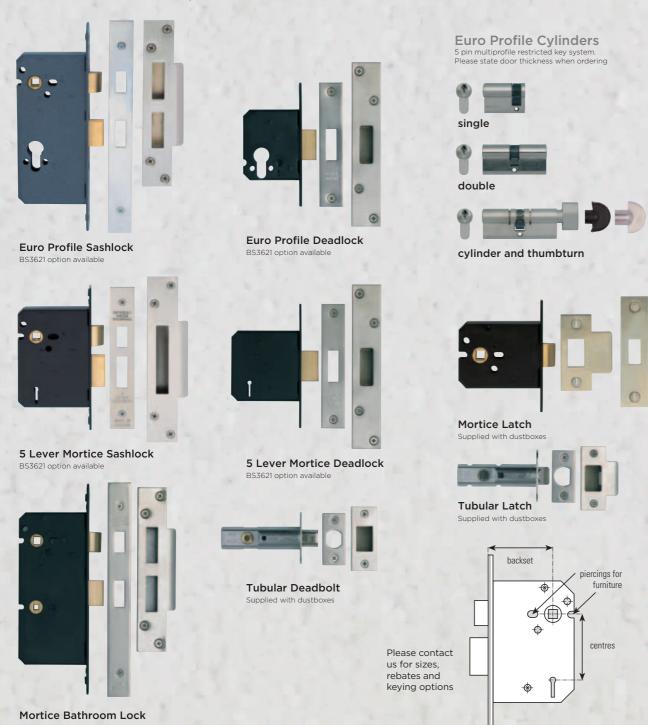


97

As well as the examples shown, we are able to supply a wide range of European manufactured locks, latches and cylinders, for all applications and finished to compliment our hardware.

All tubular latches and privacy deadbolts supplied with dust boxes. For North Amercian customers we work with Accurate Locks to supply our American configured locks to complement our door hardware.

Please contact our sales department for further information.



# Finishes (For finish details and combinations refer to pages 8 & 9)



98

# Marine standard stainless steel high performance hinges Tested to EN1935: 2002 **CERTIFIRE** approved

# We recommend 3 hinges per door for durability and fire safety

As well as the stock hinges shown we are able to supply a wide range of alternative hinges for all applications, please contact our sales department for more information

# Stainless steel



Slimline X1226 H x W x D (mm): 102 x 76 x 2.5 H x W x D (in): 4 x 3 x 3/32 Butt Dia. 10mm Max loading 120kg Based on 3 hinges per door



Slimline projection X1227 H x W x D (mm): 102 x 102 x 2.5 H x W x D (in): 4 x 4 x 3/32 Butt Dia. 10mm Max loading 120kg Based on 3 hinges per door



Shrouded bearing X1807 H x W x D (mm): 102 x 76 x 2.5 H x W x D (in): 4 x 3 x 3/32 Max loading 220lb Based on 3 hinges per door



Loadmaster X1229 H x W x D (mm): 102 x 89 x 2.5 H x W x D (in): 4 x 3 1/8 x 3/32 Butt Dia, 16mm Max loading 160kg Based on 3 hinges per door

# Solid brass

## Plated to match hardware



**Traditional DPBW Butt** H x W x D (mm): 102 x 76 x 3.5 H x W x D (in): 4 x 3 x 1/8 Butt Dia, 10mm Max loading 40kg Based on 3 hinges per door



Parliament X1231 H x W x D (mm): 102 x 64 x 102 H x W x D (in): 4 x 2 1/2 x 4 Butt Dia. 12.5mm Max loading 30kg Based on 3 hinges per door



Bearing finial (ball) X1232 H x W x D (mm): 102 x 89 x 2.5 H x W x D (in): 4 x 3 1/2 x 3/32 Max loading 80kg Based on 3 hinges per door



X1287 H x W (mm): 50 x 38 H x W (in): 2 x 1/2 Butt Dia. 6.5mm Max loading 20kg Based on 3 hinges per door

# Solid Brass Finishes (For finish details and combinations refer to pages 4 & 5)

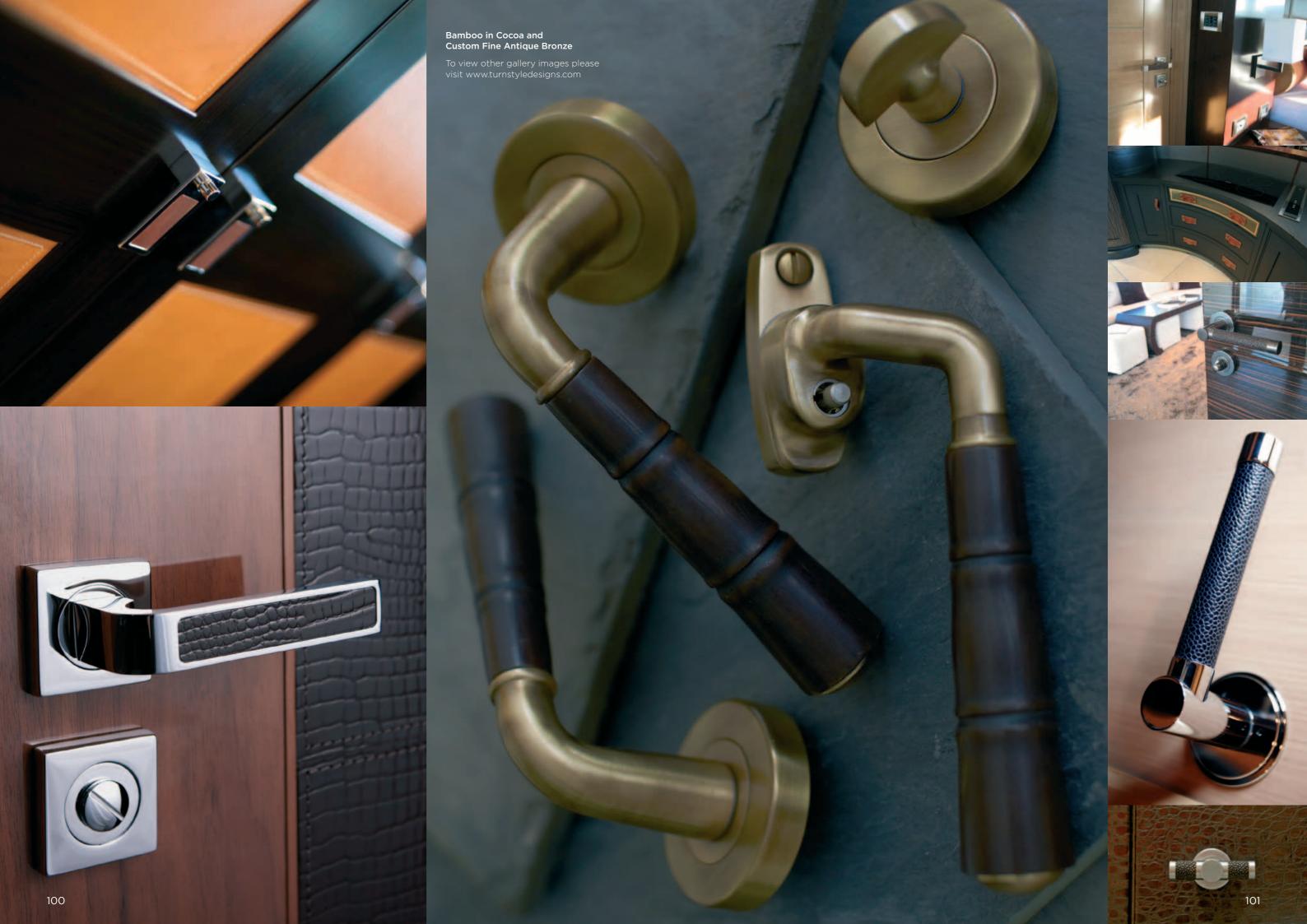




Stainless Steel Finishes

ANTIQUE STAINLESS POLISHED BRONZE STEEL STAINLESS





Part Code Page	Part Code Page	Part Code Page	Part Code Page	Part Code Page	Part Code Page	Part Code Page	Part Code Page
A1180 81	<u>C1610</u> 35	D1107 64	DF1008 18	H1191 75	LC1883 87	P1079 51	R1072 43
A1181 81	C2813 11	D1109 64	DF1331 18	H1192 75	LC1918 87	P1220 94	R1073 37
A1182 81	C2818 11	D1110 64	DF1332 18	H1193 75	LC1950 82	P1221 94	R1074 43
A1183 81	CF1000 11	D1111 64	DF1842 52	H1194 75	N1131 88	P1222 94	R1075 37
A1184 81	CF1011 11	D1113 64	DF2005 19	H1195 75	N1132 88	P1333 23	R1080 45
AP1180 80	CF1012 11	D1114 64	DF2567 67	H1196 75	N1133 88	P1340 51	R1084 45
AP1181 80	CF1061 34	D1115 64	DF2569 67	H1874 74	N1134 88	P1408 67	R1100 67
AP1182 80	CF1063 35	D1117 64	DF2751 19	H1875 74	N1135 88	P1912 85	R1173 70
AP1184 80	CF1064 35	D1118 64	DF2880 19	H1876 74	N1136 88	P1930 22	R1197 70
B1038 31	CF1496 35	D1119 64	DF2891 52	H1877 74	N1137 89	P1931 22	R1198 70
B1039 31	CF1497 35	D1291 85	DF2892 52	H1948 82	N1138 89	P2017 85	R1199 70
B1040 31	D1001 21	D1329 67	DF2893 53	H2009 82	N1139 88	P2359 85	R1200 73
B1295 25	D1002 20	D1331 20	DF2894 53	H2010 82	N1140 89	P2856 23	R1201 73
B1295 31	D1003 21	D1332 20	DF2895 53	H2011 82	N1141 89	P2876 51	R1202 73
B1425 31	D1004 20	D1336 55	E1315 96	H2012 82	N1142 88	Q1315 97	R1203 73
B1426 31	D1005 21	D1337 54	<u>E1316</u> 96	H2221 82	N1143 88	Q1316 97	R1204 73
<u>C1000</u> 10	D1006 20	D1364 64	<u>E1317</u> 96	H2886 74	N1144 89	Q1317 97	R1205 73
<u>C1010</u> 10	D1007 21	D1365 64	E1318 96	H2887 74	N1145 88	Q1318 97	R1206 73
<u>C1011</u> 10	D1008 20	D1366 69	<u>E1319</u> 96	J1207 93	N1147 88	Q1319 97	R1217 95
<u>C1012</u> 10	D1043 25	D1686 85	<u>E1320</u> 96	J1208 93	N1148 88	Q1320 97	R1218 95
C1013 10	D1049 55	D1779 69	<u>E1321</u> 96	J1209 93	N1149 89	Q1321 97	R1219 95
C1044 25	D1050 55	D1781 69	<u>E1322</u> 96	J1212 93	N1150 88	Q1322 97	R1342 45
C1061 34	D1051 55	D2005 21	E1323 96	K2693 63	N1151 89	Q1323 97	R1509 95
C1063 34	D1052 55	D2517 69	<u>E1324</u> <u>96</u>	L1185 80	N1153 88	Q1324 97	R1520 95
<u>C1064</u> <u>34</u>	D1053 54	D2570 67	<u>E1325</u> <u>96</u>	L1186 80	N1154 88	Q1325 97	R1521 95
C1091 69	D1054 55	D2584 85	<u>F1127</u> <u>62</u>	L1187 80	N1155 89	R1018 12	R1755 71
C1092 69	D1055 55	D2630 55	F1128 62	L1188 80	N1156 89	R1020 12	R1910 71
C1290 85	D1057 54	D2880 21	<u>F1129</u> <u>62</u>	LC1178 87	N1157 89	R1021 13	R1911 85
<u>C1294</u> <u>35</u>	D1058 54	D2881 55	<u>F1130</u> <u>62</u>	LC1361 87	N1284 88	R1022 13	R1913 85
C1395 67	D1085 69	DF1001 19	F1884 62	LC1748 87	N1506 89	R1023 12	R1928 71
C1414 10	D1086 69	DF1002 18	F1885 62	LC1749 87	N1731 89	R1024 12	R1929 71
C1481 85	D1087 69	DF1003 19	F1886 62	LC1866 87	N1732 89	R1025 13	R1941 13
<u>C1496</u> <u>34</u>	D1090 69	DF1004 18	F1887 62	LC1868 87	N1733 89	R1067 42	R1955 63
C1497 34	D1104 67	DF1005 19	F1888 62	LC1869 87	P1015 23	R1068 42	R1989 83
C1498 35	D1105 64	DF1006 18	F1889 62	LC1871 87	P1019 23	R1069 36	R1990 83
C1575 35	D1106 64	DF1007 19	<u>H1190</u> 75	LC1873 87	P1076 51	R1070 36	R2030 13

Part Code	Page	Part Code	Page	Part Code	Page	Part Code	Page
R2076	12	S1120	64	S2153	90	V1031	30
R2077	44	S1197	90	S2154	90	V1032	30
R2153	73	S1202	90	S2231	90	V1033	30
R2154	73	S1204	90	S2233	90	V1034	30
R2231	70	S1206	90	S2545	67	V1425	30
R2232	71	S1328	67	S2785	15	V1426	30
R2233	70	S1332	15	S2898	65	V1428	30
R2234	71	S1333	14	S2899	67	X1121	62
R2235	44	S1336	46	SF1002	15	X1122	62
R2542	67	S1340	50	SF1056	47	X1123	62
R2598	37	S1364	64	SF1332	15	X1124	62
R2645	36	S1365	64	SF1336	47	X1125	62
R2672	38	S1366	69	T1167	77	X1126	62
R2673	38	S1405	63	T1168	77	X1226	99
R2676	39	S1406	63	T1169	77	X1227	99
R2678	39	S1407	63	<u>T1170</u>	77	X1229	99
R2682	39	S1420	25	<u>T1174</u>	77	X1230	99
R2695	65	S1421	25	T1176	77	X1231	99
R2749	65	S1422	25	T1178	77	X1232	99
R2750	65	S1423	25	T1285	77	X1287	99
RS1022	57	S1424	25	T1361	77	X1807	99
RS1080	57	S1429	14	T1880	77	X2046	62
RS1200	57	S1526	14	<u>U1185</u>	78	X2569	62
RS1201	57	S1612	95	<u>U1186</u>	78	Y1159	91
RS1202	57	S1613	95	<u>U1187</u>	78	Y1161	91
RS1204	57	S1614	95	<u>U1189</u>	78	Y1162	91
S1002	15	S1672	25	U1684	79	Y1163	91
S1010	14	S1686	85	<u>U1881</u>	79	Y1669	91
S1022	14	S1690	50	<u>U1882</u>	79	Y2879	91
S1041	25	S1955	63	UP1185	78	<u>Z1723</u>	86
S1042	25	S1989	83	UP1186	78	Z1726	86
S1046	25	S1990	83	UP1187	78	Z1727	86
S1056	46	S2011	83	UP1189	78	Z1728	86
S1065	46	S2012	83	UP1684	79	Z1729	86
S1081	47	S2017	85	UP1881	79	<u>Z1730</u>	86
S1112	64	S2037	14	UP1882	79		



printed on FSC paper using vegetable based inks





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