



International Ltd.  
**dortrend**



## Anti-Ligature Range

Door Handles  
Fittings & Accessories

*Handles with care*

# INTRODUCTION

## **Dortrend - specialists in door fittings**

Established in the mid 70s Dortrend has developed into a respected innovator, manufacturer and designer of specialist door handles including fittings for the less physically able, anti bacterial handles and Anti ligature fittings.

We are pleased to publish the third version of our anti ligature catalogue detailing our wide range of products. What makes us unique is that as we manufacture our products to very high standards and tight tolerances in our factory in the UK, we can adjust them to the specific needs of the clients and staff of mental health units.

Our experience in manufacturing and the experience of our customers combined has resulted in many of the products illustrated in this brochure. However, we never stop striving to achieve better products and we are always pleased to receive input from the people using our products and working with them to improve their performance or design new products to meet specific needs.

We fully recognise that door fittings function and staff safety issues will vary widely between establishments and we have produced a range of options to cover most eventualities. A huge variety of designs have been produced and it would have been impossible to illustrate in this catalogue all the products we have developed for the mental health care market.

If you do not see what you require in this catalogue please contact our sales team and we will do our best to help you. We can offer all our products coated with TouchClean® anti bacterial coating to protect staff and clients from bacteria spread by contact with door fittings.

Another innovation from Dortrend.

## STANDARD FINISHES

Satin Stainless Steel SSS  
Polished and anodised aluminium AS

## SPECIAL ORDER

TouchClean® anti bacterial finish TC  
Polished brass PB  
Mirror polished stainless steel PSS  
Easy grip crinkle coated EPCR  
(for improved grip without assisting ligatures)  
Epoxy powder coated EP

## QUALITY

All our products have been tested in accordance with DHF (Door and Hardware Federation) Technical Specifications for “Door Mounted Anti-ligature Devices for Safety and Security Purposes” (TF001).

Our own in house tests also focus on the products ability to resist damage and maintain function if attacked. For details of DHF testing please see their website at [www.abhm.org.uk](http://www.abhm.org.uk). More information and short videos can be viewed on our website at [www.dortrend.co.uk](http://www.dortrend.co.uk).

We take every possible care to design our products to be ligature resistant, robust and visually attractive.

All dimensions, weights etc. given in this brochure are approximate.

Dortrend International Limited is continually refining and improving its product range, and therefore reserves the right to alter specification without prior notice, where this proves necessary for technical or other reasons.

Any items ordered from this brochure are subject to our standard terms and conditions of sale, which are printed in our current price list, a copy of which is available upon request.

Dortrend International Limited has taken maximum care designing these products. However the Company cannot guarantee that there are no circumstances in which self harm is not possible.

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**Dortrend International** has been the innovator in door furniture design for many years and was amongst the first to develop products for the healthcare industry, as well as anti-ligature products, to protect vulnerable patients and residents of homes, institutions and hospitals.

## Design Copyright

All the door handles and accessories in this catalogue are original designs of, and manufactured by, Dortrend. The copyright in all designs belongs to Dortrend International Ltd.

## Product Range

The range of products we offer is not limited to those shown in this catalogue as there are too many variants and possibilities to show.

We have therefore included the most commonly used examples: if you do not see what you want here please contact us to discuss your requirements.

## Latest products

Printed catalogues can get out of date due to the introduction of new ranges. We therefore advise customers to check our web site for the latest additions.

[www.dortrend.co.uk](http://www.dortrend.co.uk)

The web site shows details of the extensive range of other Dortrend products as well as those in this catalogue.

**Dortrend . . .**  
*Opening doors everywhere*

*Touch*  
+ *Clean*<sup>®</sup>

TouchClean<sup>®</sup> is an anti-bacterial and anti-viral coating that protects against hand borne organisms such as MRSA, e-coli, SARS, c-diff, etc. It is self cleaning too. All Dortrend products can be supplied with this coating to special order.

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# PULL HANDLES

## ANT25INFILPL



### ANT25INFILPL

An anti-ligature infill pull handle. 25mm dia. 250mm long on a plate 300mm long 75mm wide. Available in polished aluminium or satin stainless steel. Alternative sizes available to special order. Infill plate prevents the introduction of ligatures. Large diameter pull handle gives sufficient grip to pull door closed. It can be fixed back to back or face fixed.

### ANTFPISSS & ANTFPIAS

Satin stainless steel and polished aluminium respectively. This pull handle has passed relevant indicative fire tests using Lorient products intumescent pads (not supplied) The inside of the grip is curved to prevent the insertion of a part to attach a ligature. There is excellent grip and it can be fitted vertically or horizontally. Available in face fix or back to back, supplied complete with tamperproof fixings.

#### Options

A single flush pull in polished aluminium 170x150mm ANTFPI  
A pair of ANTFPIAS for back to back installation 170x150mm ANTFPIBBAS

## ANT2PL



### ANT2PL

Pull handle 25mm dia. on a plate. Plate size can be made to specification. Available in polished aluminium or satin stainless steel.

#### Options

Pull handle on plate 265 x 75mm (single) ANT2PL  
Pull handle on plate bolted through to pull handle on plate (pair) ANT2BBPL  
Pull handle on plate bolted through to finger plate ANT2BTP  
Pull handle on rose ANT2RR

## ANTFP1SSS



A single flush pull in polished aluminium 100x150mm ANTFPIAS  
A single pull in satin stainless for face fix 150x105mm ANTFPISSS

## ANT5PL



### ANT5PL

32mm x 150mm pull handle on plate 190mm x 65mm or to specification Available in polished aluminium or satin stainless steel.

#### Options

Back to back through plate holes using special tamperproof bolts ANT5PLBB This handle was designed to prevent barricading. It offers sufficient grip to close the door but not enough for it to be used to hold the door closed. Not recommended for use where a door closer or floor spring is fitted.

## ANTFPIAS



A pair of ANTFPISSS for back to back fixing (doors 44mm and above) ANTFPIBBSSS

# PULL HANDLES

## ANTNORTON



### ANTNORTON

An anti-ligature pull handle with smooth lines which discourage attachment of ligatures whilst having a 'non institutional' appearance.

Available in polished aluminium or nickel plates (imitation stainless steel).

#### Options

A single pull handle on a radiused plate  
190mm ANTNORTON

A pair of ANTNORTON for back to back fitting  
ANTNORTONBB

## ANTWH1BT300



### ANTWHI

A pull handle available in aluminium only  
The standard length is 300mm but it can be supplied in any length required from 150mm up to 2000mm.

This handle has been developed to give sufficient grip to open large doors equipped with door closing devices but with minimal opportunity to attach ligatures.

All handles come complete with tamperproof fittings.

#### Options

A single face fix pull handle  
ANTWHIFFAS

A single bolt through pull handle  
ANTWHIBTAS

A pair of back to back pull handles  
ANTWHIBBAS

### ANT2200SSS

A pull handle styled similarly to the ANTWHI profile but available in satin stainless steel only.

Width 63mm, length 200mm.

## ANTWH1EAS



### ANTWHIEAS

A pull handle with profile cylinder hole.  
Length 300mm.

Available in aluminium only.

The handle is radiused to prevent attachment of ligatures.

Ideal for use with roller bolt locks.

## ANTWH2200SSS



# LEVER HANDLES

**ANT19**



**ANT19**

A curved lever handle which features bolt through concealed fixing on the patient side

The lever sits on the door at a 45 degree angle and falls to vertical when pressurised.

This lever was developed to enable the less physically able to operate doors easily but it is also a very strong handle offering an excellent resistance to ligatures.

It was painstakingly developed using rapid prototype modelling to establish a good resistance to the attachment of ligatures.

We gratefully acknowledge the help and patience from the mental health professionals who helped us develop this product - without their advice it would have taken much longer.

It is recommended that this product is used in conjunction with an inverted lock. (See page 10). Due to the lever handle clashing with a turn when used in conjunction with cylinder or bathroom turn, we advise that this handle should be used with a heavily sprung DIN standard lock case.

Available in aluminium or satin stainless steel.

**ANTNS763**



**ANTNS7**



**ANT7**

An anti-ligature lever handle. The lever is set at a 45 degree angle. When pressure applied it falls to 90 degrees (vertical) causing the ligature to slip off. This lever bolts through the door so that no fixings are visible on client side of door. Available in aluminium, satin stainless steel, textured powder coated. Supplied with tamperproof fittings.

### Options

ANT7 lever on 63mm chamfered rose supplied in sets ANTNS763

ANT7 lever on 50mm rounded rose supplied in sets ANTNS7

ANT7BLIND half set (handed) bolting through to a blind rose.

# KNOB FURNITURE

**ANTI**



**ANTI**

Anti-ligature knob, which can be grooved if required, chamfered to allow maximum grip and ligature resistance.

Available in polished aluminium, satin stainless steel and crinkle powder coated finish.

**Options**

A pair of aluminium knobs 50mm dia. for bolt through installation - ANTIAS.

A pair of stainless steel knobs 50mm dia. for bolt through installation - ANTISSS.

A set of knobs 50mm dia. fixed to plates 200 x 150 which can be bolted through fixing holes of plate:

With keyhole - ANTIPKSSS.

Without keyhole - ANTIPLSSS.

**ANTIPKSSS**



**Anti-barricading cylinder**



We can convert most euro cylinders to clutch operation by adding our anti-barricading knob. Please contact us for details.

**ANT6**



**ANT6**

An anti-ligature knob set with double chamfer. Can be used in conjunction with anti-ligature lever handle in knob/lever combination.

Bolted through door for a concealed fixing.

Can be used in conjunction with blind rose as a set and also on a plate to customers' specifications.

Available in polished aluminium, satin stainless steel and crinkle powder coated finish.



# URNS & ESCUTCHEONS

**ANT1FM12CK**



**ANTLOK**

**ANT1FM12CK**

A bathroom set with clutch knob to prevent barricading.  
Key release included.  
Coin release to special order.

**ANTFM12**

A bathroom set.  
Key release included.  
Spindle size 8mm.  
Spare key for the release in stainless steel ANTLOK.

**ANTAT1FM12CL**



**ANTAT1FM12CL**

A bathroom set with clutch knob to prevent barricading.  
Key release included.  
Coin release to special order.

**ANTAT1FM12**

A bathroom set.  
Key release included.  
Spindle size 8mm.  
Spare key for the release in stainless steel ANTLOK.

**ANT350**



**ANT350**

A face fix profile escutcheon 50mm dia. Can be made in a range of thicknesses to suit cylinder and door specifications but normally supplied 10mm thick. Available in aluminium, satin stainless steel and textured powder coating.

**Options**

- A pair of bolt through escutcheons ANT350BB
- A single face fix escutcheon ANT350
- A single face fix blank escutcheon ANT350BL
- A blank escutcheon bolting through to profile escutcheon ANT350BLBB

**ANT363**



**ANT363**

A 63mm escutcheon with a chamfered edge which eliminates use as a ligature point. Available in aluminium or satin stainless steel. Supplied with tamper proof screws.

**ANT363BB**



**Options**

- A single face fix profile escutcheon ANT363
- A pair of escutcheons bolted through door using tamperproof bolts ANT363BB
- A blank escutcheon bolting through to a profile cylinder ANT363BLBB
- A blank face fix escutcheon ANT363BL
- A security escutcheon complete with lockable cover to prevent damage to profile cylinders ANT363ESC

**ANT363BL**



# WINDOW FITTINGS

## ANTPH2



### ANTPH2

A simple window pull handle length 150mm, width 34mm with chamfered sides to prevent ligature attachment. Available in aluminium, satin stainless steel and crinkle powder coated finish.

## ANTWIN2



### ANTWIN2

A handle for use with espagnolette windows. Handle is removable and can be kept on a keyring. Available in satin stainless steel only.

## ANTWIN52



### ANTWIN52

A 100mm x 22mm slim line window pull. Available in aluminium and crinkle powder coated finish. Can be supplied on a plate for face fixing.

## ANTWIN4



### ANTWIN4

A locking handle for use with espagnolette windows. The handle is set in a ball joint and swings freely on release. Available in satin stainless steel only.

## ANTWIN6



### ANTWIN6

A window pull with key hole length 150mm, width 22mm. Key supplied to operate espagnolette. Available in aluminium and crinkle powder coated finish.

# LOCKS, HINGES & COAT HOOK

**ANT222SSSML**



**ANT222SSSML**



**ANT222SSSML**

A mortice lock with anti-ligature knob in stainless steel. The locking cylinder is above the lever for easier entry.

**ANT222BLSSS**



**ANT222BLSSS**

A bathroom mortice lock in stainless steel.

For use with ANTATIFM12 and ANT7 or ANTHL9.

The turn is above the lever giving better access to the cylinder.

**ANTHGSSS**



**ANTHGSSS**



**ANTHGSSS**

A anti-ligature class 13 ball race hinge in stainless steel 100x75mm.

**ANTCHI**



**ANTCHI**

An anti-ligature coat hook 63mm dia. The "hook" is fixed in a ball joint held in place by a spring loaded ball bearing. It will take the weight of a normal coat but additional weight will cause it to collapse, releasing any ligature. Available in stainless steel and aluminium. Can be adjusted for various weights.

# PIVOT POINT PROTECTOR



◀ Typical damage caused when a double swing door is forced — Protector in place



**ANTPPSS**

A range of wood finishes can be applied to match the door, pine illustrated.

- Designed to repair existing damage or protect against damage at the pivot point on all timber doors.
- Proven to extend the life of a pivoting door.
- Quick and easy to fit saving time and money.
- Reduces maintenance and the need to replace damaged doors.
- Manufactured from high strength stainless steel.
- Satin stainless steel finish as standard suitable for corrosive atmospheres.
- Available in polished stainless steel, and RAL coloured coated finishes or wood finish effect (pine illustrated).
- Made to measure – suitable for all sizes of pivoting timber doors.
- Pivot Point Protector represents excellent value for money when compared with the possible cost of replacing doors that can typically cost over £650.
- Has passed an indicative fire test.



**FLUSH BOLT PROTECTOR**

## SECURITY SCREWS



All Dortrend Anti-ligature products are supplied with appropriate security fasteners.  
Note: We do not recommend the use of power drivers when installing these fixings.



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