

# LIKO

Catalog 2025  
Hinges • Handles • Accessories



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**LIKO HARDWARE COMPANY LIMITED**

# LIKO

LIKO GROUP begins its business since 1996 as a stainless steel raw material supplier, supplying raw material such as SUS 201, SUS 202, SUS 304, SUS 316 and SUS 430 to metal intensive industries. Leveraging on its material trading background, LIKO has been accumulating vast amount of experience both in technical and managerial field in terms of material specification, material market behavior, physical performance of material as well as their production and machining property.

From 2003, LIKO expands its business scope to OEM manufacturing and devotes resources to the manufacturing facilities for the machining and production of materials, handles, hinges, kettles and kitchenware. LIKO, as a direct manufacturer and exporter, became a highly potential qualified direct supplier to the global door hardware buyers.

In 2009, LIKO setup its own brand name "LIKO" for the hardware ODM market targeting at high-end retail and project-base customers. With the unique design, user friendly and certified new products, the brand "LIKO" has emerged as a mark of excellence recognized worldwide.

## LIKO Positioning

LIKO, the direct manufacturing and exporting supplier, aims at the medium and upper end of the door hardware market. At LIKO, we value the following quality:

- Professional Service (before-sales & after-sales)
- Innovation
- Production and Product Application
- Supplying Value Chain
- Customer Satisfaction

LIKO welcomes those who values Long Term and Sustainable Strategic Partnership & Alliance.



## Why Choose LIKO

### ***Innovative and Certificated Products***

LIKO has strived to create a more comprehensive range of product lines and services to get closer to the complete one stop solution that is now demanding. Also, LIKO has in place current certificate of conformity to fire and performance for the "LIKO" brand handle system and hinge.

### ***Direct Supply Chain, Manufacture & Export***

LIKO owns its factories occupied more than 48,000m<sup>2</sup> land area in China, including material, handles, hinges, kettles and kitchenware factories. Therefore, we are able to achieve DIRECT manufacturing, DIRECT monitoring, DIRECT management, and DIRECT exporting.

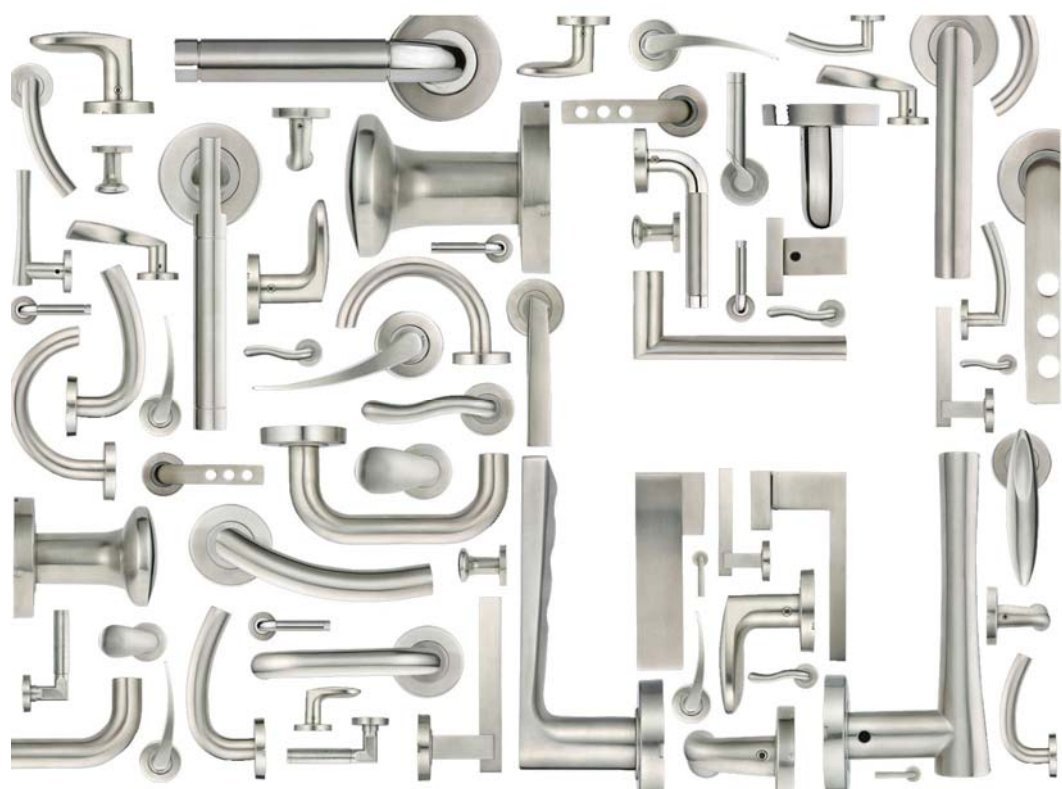
### ***Expertized Technical Engineers & Quality Control Crews***

LIKO is more than happy to employ who those having over 10 years experienced experts, including sophisticated engineers, experienced workers and responsible QC staffs, as a result, to achieve a production capacity of over 100,000 sets of handles and 300,000 pairs of hinges on an average monthly basis. That is why we made successful long-term business development with clients from worldwide, such as Europe, America, Asia Pacific and Middle East...etc.

### ***Consistent Stock Level & Reliable Back-up***

A consistent stock level of stainless steel would definitely be another crucial factor to success. We store more than 2,000 tons of stainless steel on an average monthly basis, it ensures a stable and continual supply of raw material, thus, steady and reliable delivery could be guaranteed, in addition to minimize the cost of outsourcing.





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# Certificates



**ISO 9001:2015**  
Quality Assurance Management



**ISO 14001:2015**  
Environment Management



**ISO 45001:2018**  
Occupational Health & Safety



**UKCA Certificates** by Warrington  
EN1935 grade 7/13/14



**CE Certificates** by Warrington  
EN1935 grade 7/13/14



**Certifire** by Warrington  
240min fire test



UKCA Certificates by intertek  
EN1935 grade 7/13



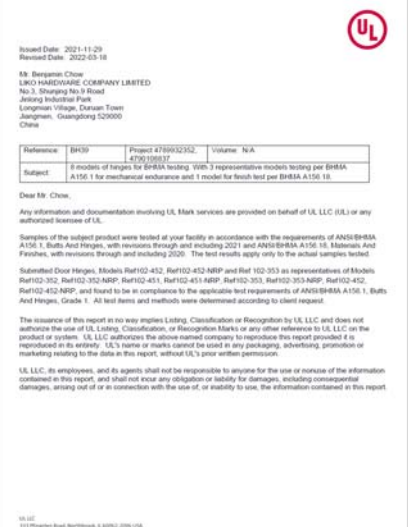
CE Certificates by intertek  
EN1935 grade 7/13



EN 1906 Grade 4  
For Dualforce handle system with  
120min fire test



UL Certificate  
UL 10C Fire Tests



ANSI Grade 1 Certificated  
A156.1-2021 Butts and Hinges



BHMA Certificated Hinge  
A156.1-2021 Butts and Hinges

# Technical Information



LIKO offers more than 1000 different hinges references and produces more than 1.5 million hinges every single year.

In 2010, LIKO had proudly introduced WeldCap technology (patent number: 200920309771.3), with the help of this technology, the endcap can be welded on the hinge steadily, invisibly and being hold securely, thus, the falling off problem due to being operated for long period could then be solved.

Besides, in order to fulfill the international standard for architectural building hardware, our hinges were tested to conform the EN1935:2002, EN1634-1, UL10C & ANSI Grade 1 tested at UL, UKCA, CE and Certifire certified at Warrington.

**WELD CAP®** enable the endcap to be welded internally, it gives steadily performance and is invisible from outside.

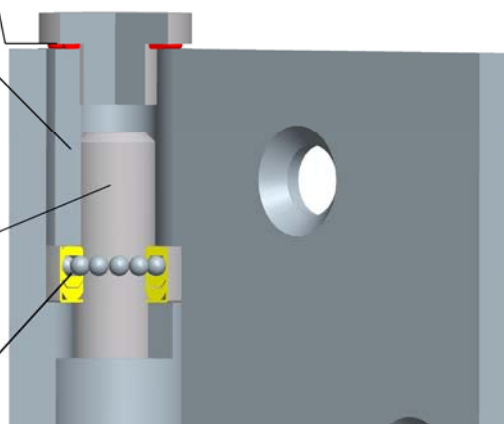
Compared to the traditional gnarled endcap, the weldcap technology can give more than 3 times pulling intensity than gnarled endcap.

In most of the certified hinge, security pin is used, the weldcap technology can give even better pulling intensity and at the same time nicer surface finish.

EN 1935:2002, EN1634-1:2008 Certification - The hinge was tested on 120kg door with a 200,000 cycle test and fire rated for 120 minutes.

High quality damping grease (with melting pt. > 140 °C) is used, it avoids the leakage of grease and assures the performance under extreme condition.

Lubricated Ball Bearings are used to ensure smooth operation of hinge leaves when fitted to the door.



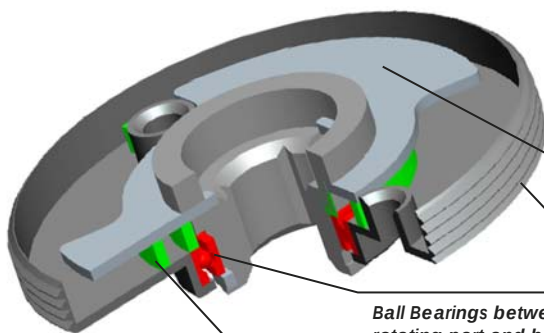


Dual-force system is specially designed for heavy duty usage. The system has been tested in accordance with the specification of EN1906 and was classified in the highest category - Grade 4 - for high frequency use, cycle tested for 200,000 times. It has also been fire tested for 120min which suitable to use in any kind of household and commercial door solution.



It was designed to fit most of the handles shown in this catalog or combination of knob handles. With the help of flat sprung and ball bearings, it gives stable and reliable performance on any different lever handles.

Also, the system was made with an effective and fast mounting system, the special base design will make no damages or scratches on your door.



With its up-to-date design and worthwhile value, it totally fulfills the demand of the modern architectural constructions.

*Ball Bearings between rotating part and base part is to ensure smoothly movement and gives durable performance.*

*Flat sprung system to ensure enough returning force for both solid and tube handle.*

*The whole system is made by Stainless Steel which provide grade 4 classification in the EN1906 standard and 120min fire tested, which suitable to use in any kind of household and commercial door solution.*

*Stainless Steel threading base system gives a very strong basement to fit the screws. The threading rose gives a very user friendly way during installation and the special base design will make no damages or scratches on your door.*

# Maintenance

All LIKO's products were made by corrosive resistant stainless steel or other metal alloy treated with protective coatings. It may quickly deteriorate if surface is broken. To prolong the life and maintain the original beauty of the finish, it is important to avoid the use of paint-removing solvents, acids or other strong caustic cleaning solution.

All products in this catalog are liable to wear and tear by uses. Depending on the daily frequency of use and the area for which the product has been specified, eventually corrosion from atmospheric and construction dirt. This is not caused by the material itself, but appears at the surface of the product due to the rust discoloration from other materials deposit which requires scouring.

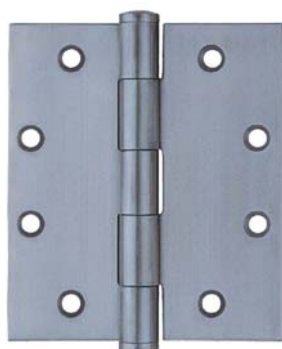
To prevent this corrosion you have to maintain the products regularly by maintain the hardware in good shape and condition for longer lasting, you have to clean it periodically with a damp cloth. Do not use aggressive cleaning or abrasive products.

To keep your fittings in good condition we further advise you as follow:

- ☐ Ensure the products are installed and used correctly.
- ☐ Repair any defects on doors and windows immediately.
- ☐ Take protective action such as installing door stopper to prevent hinges, closers and lever handles against damage.

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**::HINGES**



## Plain Butt Hinge

REF:: 101

Materials:: Stainless Steel/ Steel/ Brass

**WELDCAP®**



Radius corner  
Square corner

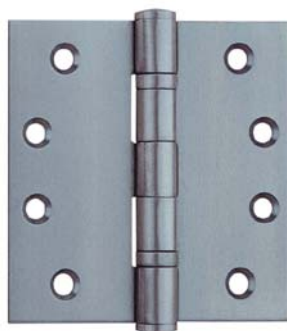


Wooden door fixing  
Metal door fixing



Fix pin  
Loose pin

| Reference | Size                | Specification                |
|-----------|---------------------|------------------------------|
| 101/101   | 2.0" x 2.0" x 1.5mm | Knuckle Dia. $\Phi$ 8mm      |
| 101/102   | 2.5" x 2.5" x 1.5mm | 3 pieces per door. <25 kg    |
| 101/103   | 3.0" x 2.0" x 1.5mm |                              |
| 101/201   | 2.0" x 2.0" x 2.0mm | Knuckle Dia. $\Phi$ 11mm     |
| 101/202   | 2.5" x 2.5" x 2.0mm | 3 pieces per door. 25-40kg   |
| 101/203   | 3.0" x 2.0" x 2.0mm |                              |
| 101/204   | 3.0" x 2.5" x 2.0mm |                              |
| 101/205   | 3.0" x 3.0" x 2.0mm |                              |
| 101/206   | 3.5" x 3.5" x 2.0mm | Knuckle Dia. $\Phi$ 12mm     |
| 101/207   | 4.0" x 3.0" x 2.0mm |                              |
| 101/251   | 3.0" x 3.0" x 2.5mm |                              |
| 101/252   | 3.5" x 3.5" x 2.5mm |                              |
| 101/253   | 4.0" x 3.0" x 2.5mm | Knuckle Dia. $\Phi$ 14mm     |
| 101/301   | 3.5" x 3.5" x 3.0mm |                              |
| 101/302   | 4.0" x 3.0" x 3.0mm |                              |
| 101/303   | 4.0" x 3.5" x 3.0mm |                              |
| 101/304   | 4.0" x 4.0" x 3.0mm | 3 pieces per door. 60-80kg   |
| 101/305   | 4.5" x 4.0" x 3.0mm |                              |
| 101/306   | 5.0" x 3.0" x 3.0mm |                              |
| 101/307   | 5.0" x 4.0" x 3.0mm |                              |
| 101/351   | 4.0" x 4.0" x 3.5mm | Knuckle Dia. $\Phi$ 15mm     |
| 101/352   | 4.5" x 4.0" x 3.5mm | 3 pieces per door. 80-120kg  |
| 101/353   | 4.5" x 4.5" x 3.5mm |                              |
| 101/401   | 4.5" x 4.0" x 4.0mm | Knuckle Dia. $\Phi$ 16mm     |
| 101/402   | 4.5" x 4.5" x 4.0mm | 3 pieces per door. 120-150kg |



## 2 Ball Bearings Butt Hinge

REF:: 102/200-400

Materials:: Stainless Steel/ Steel/ Brass

**WELDCAP® BHMA CERTIFIED**



UK  
CA CE UL



Radius corner  
Square corner

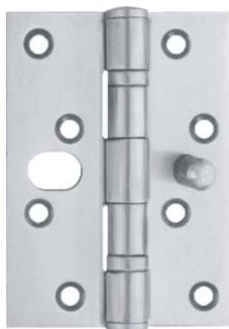


Wooden door fixing  
Metal door fixing



Fix pin  
Loose pin

| Reference | Size                | Specification                |
|-----------|---------------------|------------------------------|
| 102/201   | 2.0" x 2.0" x 2.0mm | Knuckle Dia. $\Phi$ 11mm     |
| 102/202   | 2.5" x 2.5" x 2.0mm | 3 pieces per door. 25-40kg   |
| 102/203   | 3.0" x 2.0" x 2.0mm |                              |
| 102/204   | 3.0" x 2.5" x 2.0mm |                              |
| 102/205   | 3.0" x 3.0" x 2.0mm |                              |
| 102/206   | 3.5" x 3.5" x 2.0mm | Knuckle Dia. $\Phi$ 12mm     |
| 102/207   | 4.0" x 3.0" x 2.0mm |                              |
| 102/251   | 3.0" x 3.0" x 2.5mm |                              |
| 102/252   | 3.5" x 3.5" x 2.5mm |                              |
| 102/253   | 4.0" x 3.0" x 2.5mm | Knuckle Dia. $\Phi$ 14mm     |
| 102/301   | 3.5" x 3.5" x 3.0mm |                              |
| 102/302   | 4.0" x 3.0" x 3.0mm |                              |
| 102/303   | 4.0" x 3.5" x 3.0mm |                              |
| 102/304   | 4.0" x 4.0" x 3.0mm | 3 pieces per door. 60-120kg  |
| 102/305   | 4.5" x 4.0" x 3.0mm |                              |
| 102/308   | 4.5" x 4.5" x 3.0mm |                              |
| 102/306   | 5.0" x 3.0" x 3.0mm |                              |
| 102/309   | 5.0" x 3.5" x 3.0mm | Knuckle Dia. $\Phi$ 15mm     |
| 102/307   | 5.0" x 4.0" x 3.0mm |                              |
| 102/351   | 4.0" x 4.0" x 3.5mm |                              |
| 102/352   | 4.5" x 4.0" x 3.5mm |                              |
| 102/353   | 4.5" x 4.5" x 3.5mm | 3 pieces per door. 80-120kg  |
| 102/401   | 4.5" x 4.0" x 4.0mm |                              |
| 102/402   | 4.5" x 4.5" x 4.0mm | Knuckle Dia. $\Phi$ 16mm     |
|           |                     | 3 pieces per door. 120-160kg |



| Reference | Size                | Specification               |
|-----------|---------------------|-----------------------------|
| 102/801   | 3.5" x 3.5" x 3.0mm | Knuckle Dia. $\Phi$ 14mm    |
| 102/802   | 4.0" x 3.0" x 3.0mm | 3 pieces per door. 60-120kg |
| 102/803   | 4.0" x 3.5" x 3.0mm |                             |
| 102/804   | 4.0" x 4.0" x 3.0mm |                             |

## 2 Ball Bearings Security Hinge

REF:: 102S/800

Materials:: Stainless Steel

**WELDCAP®**



Radius corner  
Square corner



Wooden door fixing  
Metal door fixing



Fix pin  
Loose pin



| Reference | Size                | Specification                |
|-----------|---------------------|------------------------------|
| 102/911   | 3.5" x 3.5" x 3.0mm | Knuckle Dia. $\Phi$ 14mm     |
| 102/912   | 4.0" x 3.0" x 3.0mm | 3 pieces per door. 60-120kg  |
| 102/913   | 4.0" x 3.5" x 3.0mm |                              |
| 102/914   | 4.0" x 4.0" x 3.0mm |                              |
| 102/915   | 4.5" x 4.0" x 3.0mm |                              |
| 102/916   | 5.0" x 3.0" x 3.0mm |                              |
| 102/917   | 5.0" x 4.0" x 3.0mm |                              |
| 102/931   | 4.0" x 4.0" x 3.5mm | Knuckle Dia. $\Phi$ 15mm     |
| 102/932   | 4.5" x 4.0" x 3.5mm | 3 pieces per door. 80-120kg  |
| 102/933   | 4.5" x 4.5" x 3.5mm |                              |
| 102/951   | 4.5" x 4.0" x 4.0mm | Knuckle Dia. $\Phi$ 16mm     |
| 102/952   | 4.5" x 4.5" x 4.0mm | 3 pieces per door. 120-150kg |

## 2 Ball Bearings Security Hinge

REF:: 102S/900

Materials:: Stainless Steel

**WELDCAP®** 



Radius corner  
Square corner



Wooden door fixing  
Metal door fixing



Fix pin  
Loose pin



## Conceal Bearing hinge

REF:: 102C

Materials:: Stainless Steel



Radius corner  
Square corner



Wooden door fixing  
Metal door fixing



Fix pin  
Loose pin

| Reference | Size                | Specification               |
|-----------|---------------------|-----------------------------|
| 102/302C  | 4.0" x 3.0" x 3.0mm | Knuckle Dia. $\Phi$ 14mm    |
| 102/303C  | 4.0" x 3.5" x 3.0mm | G13:                        |
| 102/304C  | 4.0" x 4.0" x 3.0mm | 3 pieces per door. 80-120kg |
| 102/305C  | 4.5" x 4.0" x 3.0mm |                             |
| 102/308C  | 4.5" x 4.5" x 3.0mm | G14:                        |
| 102/352C  | 4.5" x 4.0" x 3.5mm | 3 pieces per door. 160kg    |
| 102/353C  | 4.5" x 4.5" x 3.5mm |                             |
| 102/451C  | 4.5" x 4.0" x 4.6mm |                             |
| 102/452C  | 4.5" x 4.5" x 4.6mm |                             |
| 102/306C  | 5.0" x 3.0" x 3.0mm |                             |
| 102/309C  | 5.0" x 3.5" x 3.0mm |                             |
| 102/307C  | 5.0" x 4.0" x 3.0mm |                             |



## Anti-ligature hinge

REF:: 102H

Materials:: Stainless Steel



Radius corner  
Square corner



Wooden door fixing  
Metal door fixing

| Reference | Size                | Specification                |
|-----------|---------------------|------------------------------|
| 102/301H  | 3.5" x 3.5" x 3.0mm | Knuckle Dia. $\Phi$ 14mm     |
| 102/302H  | 4.0" x 3.0" x 3.0mm | 3 pieces per door. 60-120kg  |
| 102/303H  | 4.0" x 3.5" x 3.0mm |                              |
| 102/304H  | 4.0" x 4.0" x 3.0mm |                              |
| 102/305H  | 4.5" x 4.0" x 3.0mm |                              |
| 102/308H  | 4.5" x 4.5" x 3.0mm |                              |
| 102/306H  | 5.0" x 3.0" x 3.0mm |                              |
| 102/309H  | 5.0" x 3.5" x 3.0mm |                              |
| 102/307H  | 5.0" x 4.0" x 3.0mm |                              |
| 102/351H  | 4.0" x 4.0" x 3.5mm | Knuckle Dia. $\Phi$ 15mm     |
| 102/352H  | 4.5" x 4.0" x 3.5mm | 3 pieces per door. 80-120kg  |
| 102/353H  | 4.5" x 4.5" x 3.5mm |                              |
| 102/401H  | 4.5" x 4.0" x 4.0mm | Knuckle Dia. $\Phi$ 16mm     |
| 102/402H  | 4.5" x 4.5" x 4.0mm | 3 pieces per door. 120-160kg |



| Reference | Size                | Specification               |
|-----------|---------------------|-----------------------------|
| 102/302M  | 4.0" x 3.0" x 3.0mm | Knuckle Dia. $\Phi$ 14mm    |
| 102/303M  | 4.0" x 3.5" x 3.0mm | 3 pieces per door. 80-120kg |
| 102/304M  | 4.0" x 4.0" x 3.0mm |                             |
| 102/305M  | 4.5" x 4.0" x 3.0mm |                             |
| 102/308M  | 4.5" x 4.5" x 3.0mm |                             |
| 102/306M  | 5.0" x 3.0" x 3.0mm |                             |
| 102/309M  | 5.0" x 3.5" x 3.0mm |                             |
| 102/307M  | 5.0" x 4.0" x 3.0mm |                             |

## Maintenance-free hinge

REF:: 102M

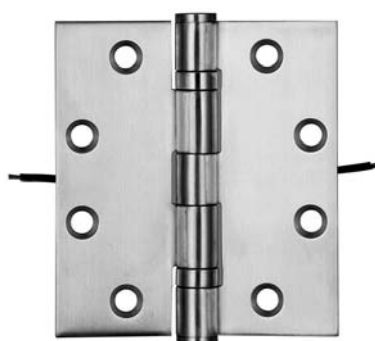
Materials:: Stainless Steel



Radius corner  
Square corner



Wooden door fixing  
Metal door fixing



| Reference | Size                | Specification                |
|-----------|---------------------|------------------------------|
| 102/352E  | 4.5" x 4.0" x 3.5mm | Knuckle Dia. $\Phi$ 15mm     |
| 102/353E  | 4.5" x 4.5" x 3.5mm | 3 pieces per door. 80-120kg  |
| 102/401E  | 4.5" x 4.0" x 4.0mm | Knuckle Dia. $\Phi$ 16mm     |
| 102/402E  | 4.5" x 4.5" x 4.0mm | 3 pieces per door. 120-150kg |
| 102/451E  | 4.5" x 4.0" x 4.6mm | Knuckle Dia. $\Phi$ 18mm     |
| 102/452E  | 4.5" x 4.5" x 4.6mm | 3 pieces per door. 150+kg    |
| 102/541E  | 5.0" x 4.5" x 4.8mm | Knuckle Dia. $\Phi$ 18mm     |
| 102/551E  | 5.0" x 5.0" x 4.8mm | 3 pieces per door. 150+kg    |

## Electrified hinge

REF:: 102E

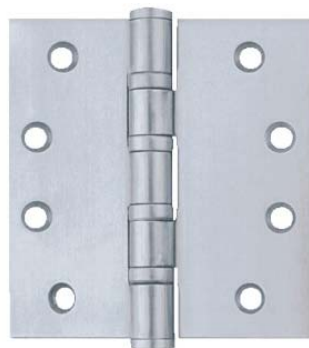
Materials:: Stainless Steel



Radius corner  
Square corner



Wooden door fixing  
Metal door fixing



## 4 Ball Bearings Butt Hinge

REF:: 103

Materials:: Stainless Steel



Radius corner  
Square corner

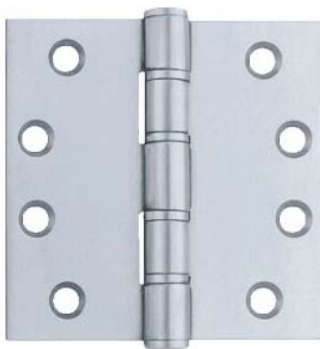


Wooden door fixing  
Metal door fixing



Fix pin  
Loose pin

| Reference | Size                | Specification                |
|-----------|---------------------|------------------------------|
| 103/302   | 4.0" x 3.0" x 3.0mm | Knuckle Dia. $\Phi$ 14mm     |
| 103/303   | 4.0" x 3.5" x 3.0mm | 3 pieces per door. 60-80kg   |
| 103/304   | 4.0" x 4.0" x 3.0mm |                              |
| 103/305   | 4.5" x 4.0" x 3.0mm |                              |
| 103/306   | 5.0" x 3.0" x 3.0mm |                              |
| 103/307   | 5.0" x 4.0" x 3.0mm |                              |
| 103/351   | 4.0" x 4.0" x 3.5mm | Knuckle Dia. $\Phi$ 15mm     |
| 103/352   | 4.5" x 4.0" x 3.5mm | 3 pieces per door. 80-120kg  |
| 103/353   | 4.5" x 4.5" x 3.5mm |                              |
| 103/401   | 4.5" x 4.0" x 4.0mm |                              |
| 103/402   | 4.5" x 4.5" x 4.0mm | 3 pieces per door. 120-150kg |
| 102/451   | 4.5" x 4.0" x 4.6mm |                              |
| 102/452   | 4.5" x 4.5" x 4.6mm | 3 pieces per door. 120+kg    |
| 102/541   | 5.0" x 4.5" x 4.8mm |                              |
| 102/551   | 5.0" x 5.0" x 4.8mm | 3 pieces per door. 120+kg    |



## Washed Butt Hinge

REF:: 104

Material:: Stainless Steel



Radius corner  
Square corner



Wooden door fixing  
Metal door fixing



Fix pin  
Loose pin

| Reference | Size                | Specification            |
|-----------|---------------------|--------------------------|
| 104/103   | 75 x 50 x 1.5mm     | Knuckle Dia. $\Phi$ 8mm  |
| 104/249   | 75 x 80 x 2.0mm     | Knuckle Dia. $\Phi$ 11mm |
| 104/322   | 3.0" x 2.0" x 2.0mm | Knuckle Dia. $\Phi$ 11mm |
| 104/432   | 4.0" x 3.0" x 2.0mm | Knuckle Dia. $\Phi$ 11mm |
| 104/425   | 4.0" x 2.5" x 2.5mm | Knuckle Dia. $\Phi$ 12mm |

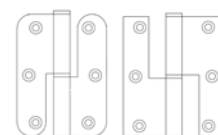


### Lift-off Hinge

REF:: 105/100-300

Material:: Stainless Steel

| Reference | Size (Type)      | Specification                                         |
|-----------|------------------|-------------------------------------------------------|
| 105/101   | 76 x 59 x 2.5mm  | Knuckle Dia. $\Phi$ 12mm                              |
| 105/108   | 90 x 65 x 2.5mm  | Knuckle Dia. $\Phi$ 12mm                              |
| 105/109   | 90 x 75 x 2.5mm  | Knuckle Dia. $\Phi$ 12mm                              |
| 105/109   | 100 x 86 x 3.0mm | Knuckle Dia. $\Phi$ 16mm                              |
| 105/115   | 100 x 78 x 3.0mm | Knuckle Dia. $\Phi$ 16mm, Optional Metal—Wood Fitting |
| 105/117   | 120 x 86 x 3.0mm | Knuckle Dia. $\Phi$ 16mm                              |
| 105/117   | 140 x 70 x 3.0mm | Knuckle Dia. $\Phi$ 16mm                              |

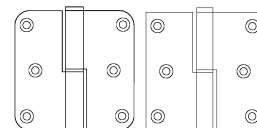


### Lift-off Hinge

REF:: 105/400-600

Material:: Stainless Steel

| Reference | Size (Type)       | Specification            |
|-----------|-------------------|--------------------------|
| 105/401   | 80 x 60 x 2.0mm   | Knuckle Dia. $\Phi$ 11mm |
| 105/411   | 80 x 80 x 2.5mm   | Knuckle Dia. $\Phi$ 12mm |
| 105/422   | 90 x 65 x 2.5mm   | Knuckle Dia. $\Phi$ 12mm |
| 105/433   | 89 x 89 x 2.5mm   | Knuckle Dia. $\Phi$ 12mm |
| 105/501   | 89 x 89 x 3.0mm   | Knuckle Dia. $\Phi$ 16mm |
| 105/502   | 100 x 98 x 3.0mm  | Knuckle Dia. $\Phi$ 16mm |
| 105/503   | 100 x 100 x 3.0mm | Knuckle Dia. $\Phi$ 16mm |
| 105/504   | 100 x 90 x 3.0mm  | Knuckle Dia. $\Phi$ 20mm |
| 105/601   | 80 x 80 x 3.5mm   | Knuckle Dia. $\Phi$ 15mm |

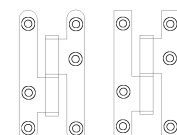


### Lift-off Hinge

REF:: 105/700-900

Material:: Stainless Steel

| Reference | Size (Type)      | Specification            |
|-----------|------------------|--------------------------|
| 105/701   | 94 x 52 x 2.0mm  | Knuckle Dia. $\Phi$ 11mm |
| 105/702   | 100 x 57 x 2.0mm | Knuckle Dia. $\Phi$ 11mm |
| 105/703   | 110 x 55 x 2.0mm | Knuckle Dia. $\Phi$ 12mm |
| 105/801   | 100 x 65 x 2.5mm | Knuckle Dia. $\Phi$ 12mm |
| 105/901   | 140 x 55 x 3.0mm | Knuckle Dia. $\Phi$ 14mm |
| 105/902   | 140 x 70 x 3.0mm | Knuckle Dia. $\Phi$ 14mm |



Radius corner  
Square corner



**Rising Hinge**  
REF:: 106

Material:: Stainless Steel

- 
- Wooden door fixing  
Metal door fixing

| Reference | Size            | Specification            |
|-----------|-----------------|--------------------------|
| 106/251   | 4" x 3" x 2.5mm | Knuckle Dia. $\Phi$ 12mm |
| 106/301   | 4" x 3" x 3.0mm | Knuckle Dia. $\Phi$ 14mm |

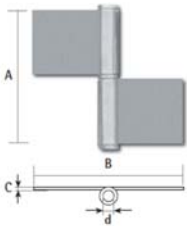


**Flag Hinge**  
REF:: 107

Material:: Stainless Steel

- 
- Wooden door fixing  
Metal door fixing

| Reference | Size              | Specification            |
|-----------|-------------------|--------------------------|
| 107/251   | 100 x 85 x 2.5mm  | Knuckle Dia. $\Phi$ 12mm |
| 107/301   | 127 x 100 x 3.0mm | Knuckle Dia. $\Phi$ 14mm |





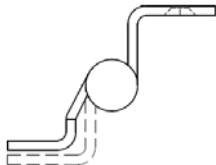
### Crank Hinge

REF:: 108

Materials:: Stainless Steel/ Brass

-  Wooden door fixing
-  Metal door fixing
-  Fix pin
-  Loose pin

| Reference | Size             | Specification            |
|-----------|------------------|--------------------------|
| 108/101   | 100 x 64 x 3.0mm | Knuckle Dia. $\Phi$ 14mm |
| 108/102   | 100 x 76 x 3.0mm | Knuckle Dia. $\Phi$ 14mm |
| 108/103   | 120 x 64 x 3.0mm | Knuckle Dia. $\Phi$ 14mm |



### Single Action Hinge

REF:: 109/100



### Double Action Hinge

REF:: 109/200

Material:: Stainless Steel

| Reference | Size | Specification |
|-----------|------|---------------|
| 109/103   | 3"   | Single Action |
| 109/104   | 4"   |               |
| 109/105   | 5"   |               |
| 109/106   | 6"   |               |
| 109/203   | 3"   | Double Action |
| 109/204   | 4"   |               |
| 109/205   | 5"   |               |
| 109/206   | 6"   |               |
| 109/208   | 8"   |               |



**Action Hinge (For Bathroom)**  
REF:: 109/300



**Action Hinge (American Style)**  
REF:: 109/400

Material:: Stainless Steel



**Conceal Hinge**  
REF:: 110

Material:: Zinc Alloy

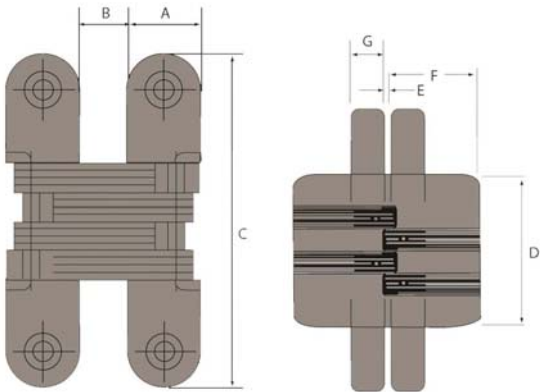


**Conceal Hinge**  
REF:: 111

Material:: Stainless Steel

| Reference | Size                | Specification               |
|-----------|---------------------|-----------------------------|
| 109/301   | 90 x 52 x 2.0mm     | With Spring                 |
| 109/302   | 90 x 52 x 2.0mm     | Without Spring              |
| 109/303   | 90 X 63 X 2.0mm     | With Spring                 |
| 109/304   | 90 X 63 X 2.0mm     | Without Spring              |
| 109/401   | 4.0" x 3.0" x 2.5mm | American Style Spring Hinge |
| 109/402   | 4.0" x 4.0" x 2.5mm |                             |
| 109/403   | 4.0" x 3.0" x 3.0mm |                             |
| 109/404   | 4.0" x 4.0" x 3.0mm |                             |

| Reference | A    | B      | C       | D      | E     | F      | G      |
|-----------|------|--------|---------|--------|-------|--------|--------|
| 110/101   | 13mm | 9.0mm  | 45.0mm  | 18.0mm | 0.8mm | 18.0mm | 5.0mm  |
| 110/102   | 13mm | 8.0mm  | 60.6mm  | 30.5mm | 0.8mm | 17.5mm | 6.2mm  |
| 110/103   | 16mm | 11.0mm | 70.0mm  | 34.0mm | 0.8mm | 22.5mm | 7.4mm  |
| 110/104   | 19mm | 12.5mm | 95.0mm  | 51.2mm | 1.2mm | 27.0mm | 9.0mm  |
| 110/105   | 25mm | 17.5mm | 117.5mm | 64.0mm | 1.6mm | 36.0mm | 11.2mm |
| 110/106   | 28mm | 21.5mm | 118.0mm | 61.5mm | 1.4mm | 41.0mm | 9.5mm  |
| 110/107   | 34mm | 27.5mm | 138.5mm | 74.5mm | 1.6mm | 51.0mm | 11.0mm |
| 111/104   | 19mm | 12.5mm | 95.0mm  | 51.2mm | 1.2mm | 27.0mm | 9.0mm  |
| 111/105   | 25mm | 17.5mm | 117.5mm | 64.0mm | 1.6mm | 36.0mm | 11.2mm |
| 111/106   | 28mm | 21.5mm | 118.0mm | 61.5mm | 1.4mm | 41.0mm | 9.5mm  |
| 111/107   | 34mm | 27.5mm | 138.5mm | 74.5mm | 1.6mm | 51.0mm | 11.0mm |





**Flush Hinge**

REF:: 112

Materials:: Stainless Steel/ Steel/ Brass

-  Wooden door fixing
-  Metal door fixing
-  Fix pin
-  Loose pin

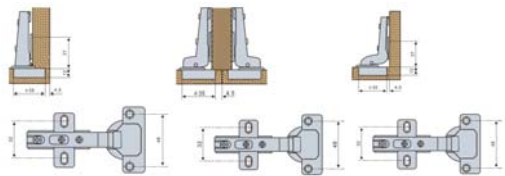
| Reference | Size             | Specification            |
|-----------|------------------|--------------------------|
| 112/101   | 100 x 75 x 2.5mm | Knuckle Dia. $\Phi$ 12mm |



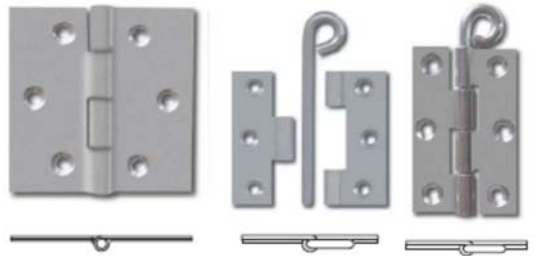
**Furniture Hinge**

REF:: 113

Material:: Steel



| Reference | Size                 | Remark                                 |                                                                                       |
|-----------|----------------------|----------------------------------------|---------------------------------------------------------------------------------------|
| 113/101   | Full overlay - 35mm  | Normal closing with screw fitting base |  |
| 113/102   | Half overlay - 35mm  | Normal closing with screw fitting base |  |
| 113/103   | Inset overlay - 35mm | Normal closing with screw fitting base |  |
| 113/201   | Full overlay - 35mm  | Normal closing with clip fitting base  |  |
| 113/202   | Half overlay - 35mm  | Normal closing with clip fitting base  |  |
| 113/203   | Inset overlay - 35mm | Normal closing with clip fitting base  |  |
| 113/301   | Full overlay - 35mm  | Soft closing with clip fitting base    |  |
| 113/302   | Half overlay - 35mm  | Soft closing with clip fitting base    |  |
| 113/303   | Inset overlay - 35mm | Soft closing with clip fitting base    |  |
| 113/401   | 165 degree - 35mm    | Normal closing with clip fitting base  |  |
| 113/501   | Overlay - 35mm       | Normal closing                         |  |

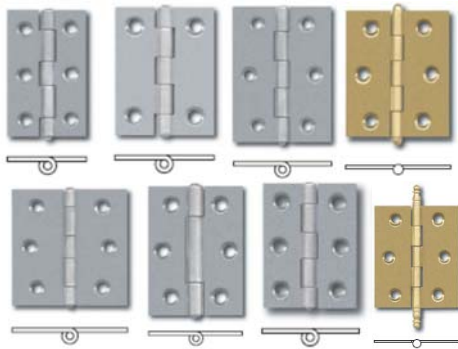


## Double Sheet Hinge

REF:: 116

Materials:: Stainless Steel/ Steel

| Reference | Size              | Remark                                                                                    |
|-----------|-------------------|-------------------------------------------------------------------------------------------|
| 115/001   | 40 x 40 x 1.6mm   | <b>Optional Pin::</b><br>A. Riveted Pin<br>B. Fix Pin<br>C. Loose Pin<br>D. Removable Pin |
| 115/002   | 50 x 40 x 1.6mm   |                                                                                           |
| 115/003   | 50 x 50 x 1.5mm   |                                                                                           |
| 115/004   | 60 x 50 x 2.0mm   |                                                                                           |
| 115/005   | 60 x 60 x 2.0mm   | D. Removable Pin                                                                          |
| 115/006   | 60 x 90 x 3.0mm   |                                                                                           |
| 115/007   | 70 x 50 x 2.0mm   |                                                                                           |
| 115/008   | 70 x 60 x 2.0mm   |                                                                                           |
| 115/009   | 70 x 70 x 2.0mm   |                                                                                           |
| 115/010   | 70 x 55 x 3.0mm   |                                                                                           |
| 115/011   | 80 x 60 x 2.0mm   |                                                                                           |
| 115/012   | 80 x 70 x 2.0mm   |                                                                                           |
| 115/013   | 80 x 80 x 2.0mm   |                                                                                           |
| 115/014   | 90 x 80 x 2.5mm   |                                                                                           |
| 115/015   | 90 x 90 x 2.5mm   |                                                                                           |
| 115/016   | 100 x 80 x 3.0mm  |                                                                                           |
| 115/017   | 100 x 90 x 3.0mm  |                                                                                           |
| 115/018   | 100 x 100 x 3.0mm |                                                                                           |
| 115/019   | 110 x 110 x 3.0mm |                                                                                           |
| 115/020   | 120 x 120 x 3.0mm |                                                                                           |
| 115/021   | 130 x 130 x 3.0mm |                                                                                           |



## Cabinet Hinge

REF:: 118

Materials:: Stainless Steel/ Steel

| Reference | Size             | Remark                                                                                 |
|-----------|------------------|----------------------------------------------------------------------------------------|
| 114/001   | 20 x 16 x 0.7mm  | <b>Optional Cap::</b><br>A. Round Cap<br>B. Crown Cap<br>C. Flat Cap<br>D. Riveted Cap |
| 114/002   | 25 x 18 x 0.8mm  |                                                                                        |
| 114/003   | 30 x 19 x 0.8mm  |                                                                                        |
| 114/004   | 35 x 22 x 0.8mm  |                                                                                        |
| 114/005   | 40 x 25 x 0.8mm  |                                                                                        |
| 114/006   | 40 x 35 x 0.9mm  |                                                                                        |
| 114/007   | 50 x 30 x 0.9mm  |                                                                                        |
| 114/008   | 50 x 35 x 0.9mm  |                                                                                        |
| 114/009   | 50 x 40 x 0.9mm  | <b>Optional Pin::</b><br>A. Fix Pin<br>B. Loose Pin<br>C. Riveted Pin                  |
| 114/010   | 60 x 35 x 1.0mm  |                                                                                        |
| 114/011   | 60 x 40 x 1.0mm  |                                                                                        |
| 114/012   | 60 x 50 x 1.0mm  |                                                                                        |
| 114/013   | 70 x 40 x 1.0mm  |                                                                                        |
| 114/014   | 70 x 50 x 1.0mm  |                                                                                        |
| 114/015   | 70 x 55 x 1.0mm  |                                                                                        |
| 114/016   | 70 x 40 x 1.2mm  |                                                                                        |
| 114/017   | 80 x 45 x 1.2mm  |                                                                                        |
| 114/018   | 80 x 50 x 1.2mm  |                                                                                        |
| 114/019   | 80 x 60 x 1.2mm  |                                                                                        |
| 114/020   | 90 x 50 x 1.2mm  |                                                                                        |
| 114/021   | 100 x 50 x 1.5mm |                                                                                        |



## Parliament Hinge

REF:: 119

Materials:: Stainless Steel/ Brass

| Reference | Size                    | Specification            |
|-----------|-------------------------|--------------------------|
| 119/301   | 100 x 51 x 100 x 3.0mm  | Knuckle Dia. $\Phi$ 14mm |
| 119/302   | 100 x 76 x 125 x 3.0mm  |                          |
| 119/303   | 100 x 100 x 150 x 3.0mm |                          |
| 119/354   | 100 x 125 x 175 x 3.5mm | Knuckle Dia. $\Phi$ 15mm |
| 119/355   | 100 x 150 x 200 x 3.5mm |                          |
| 119/356   | 100 x 175 x 225 x 3.5mm |                          |
| 119/357   | 100 x 200 x 250 x 3.5mm |                          |
| 119/358   | 100 x 250 x 300 x 3.5mm |                          |



## Projection Hinge

REF:: 120

Material:: Stainless Steel

| Reference | Size                 | Specification            |
|-----------|----------------------|--------------------------|
| 120/101   | 4.0" x 4.0" x 3.5mm  | Knuckle Dia. $\Phi$ 15mm |
| 120/102   | 4.0" x 5.0" x 3.5mm  |                          |
| 120/103   | 4.0" x 6.0" x 3.5mm  |                          |
| 120/104   | 4.0" x 7.0" x 3.5mm  |                          |
| 120/105   | 4.0" x 8.0" x 3.5mm  |                          |
| 120/106   | 4.0" x 9.0" x 3.5mm  |                          |
| 120/107   | 4.0" x 10.0" x 3.5mm |                          |
| 120/108   | 4.0" x 12.0" x 3.5mm |                          |



## Industrial Hinge

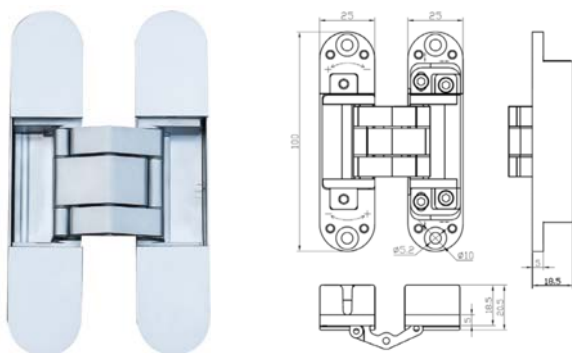
REF:: 121

Material:: Stainless Steel

| Reference | Size            | Specification               |
|-----------|-----------------|-----------------------------|
| 121/101   | 41 x 36 x 2.0mm | Knuckle Dia. $\Phi$ 9mm     |
| 121/102   | 48 x 48 x 2.0mm | 3 pieces per door. 25-40 kg |
| 121/103   | 66 x 36 x 2.0mm |                             |
| 121/104   | 78 x 48 x 2.0mm |                             |
| 121/105   | 59 x 62 x 3.0mm |                             |
| 121/106   | 96 x 62 x 3.0mm |                             |

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# ::3D CONCEAL HINGES



### 3D Conceal Hinge

REF:: 165/040

Material:: Zinc Alloy 3 (body)  
SS304 (Pin)

| Reference | Size               | Max Door Weight         |
|-----------|--------------------|-------------------------|
| 165/040   | 100 x 25 x 20/20mm | 2 pieces per door. 50kg |
|           |                    | 3 pieces per door. 60kg |

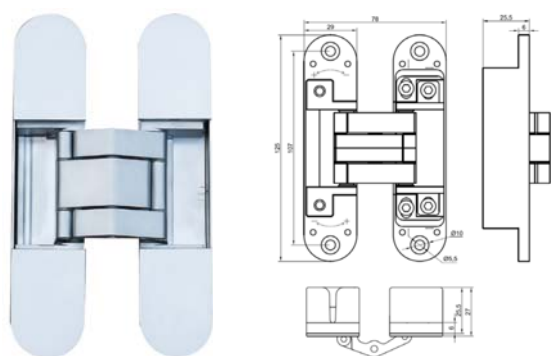
#### Specification

|                       |                                            |
|-----------------------|--------------------------------------------|
| Usage                 | Timber Door, Aluminium Door, Interior Door |
| Min. Door Thickness   | 35mm                                       |
| Opening Angle         | 180 Degree                                 |
| Installation          | Non-Handed                                 |
| Horizontal Adjustment | + / - 1.5mm                                |
| Vertical Adjustment   | + / - 2.0mm                                |
| Depth Adjustment      | + / - 1.5mm                                |
| Intermediate Gap      | 13.5mm                                     |

Available finishes Matt Chrome, Matt Black, etc

| Door height (mm) | Load Capacity Chart (kg) - 2 Hinges |     |     |      |      |      |      |  |
|------------------|-------------------------------------|-----|-----|------|------|------|------|--|
| 2200             | 50                                  | 50  | 50  | 50   | 43   | 39   | 36   |  |
| 2100             | 50                                  | 50  | 50  | 47   | 42   | 37   | 34   |  |
| 2000             | 50                                  | 50  | 50  | 43   | 38   | 35   | 33   |  |
| 1900             | 50                                  | 50  | 50  | 40   | 36   | 34   | 31   |  |
| Door Width (mm)  | 700                                 | 800 | 900 | 1000 | 1100 | 1200 | 1300 |  |

| Door height (mm) | Load Capacity Chart (kg) - 3 Hinges |     |     |      |      |      |      |  |
|------------------|-------------------------------------|-----|-----|------|------|------|------|--|
| 3000             | 60                                  | 60  | 60  | 60   | 60   | 60   | 60   |  |
| 2900             | 60                                  | 60  | 60  | 60   | 60   | 60   | 60   |  |
| 2800             | 60                                  | 60  | 60  | 60   | 60   | 60   | 56   |  |
| 2700             | 60                                  | 60  | 60  | 60   | 60   | 60   | 52   |  |
| 2600             | 60                                  | 60  | 60  | 60   | 60   | 56   | 48   |  |
| 2500             | 60                                  | 60  | 60  | 60   | 60   | 52   | 45   |  |
| 2400             | 60                                  | 60  | 60  | 60   | 56   | 48   | 42   |  |
| 2300             | 60                                  | 60  | 60  | 60   | 53   | 45   | 40   |  |
| 2200             | 60                                  | 60  | 60  | 58   | 50   | 42   | 38   |  |
| 2100             | 60                                  | 60  | 60  | 54   | 47   | 39   | 36   |  |
| 2000             | 60                                  | 60  | 60  | 50   | 43   | 37   | 35   |  |
| Door Width (mm)  | 700                                 | 800 | 900 | 1000 | 1100 | 1200 | 1300 |  |



### 3D Conceal Hinge

REF:: 165/060

Material:: Zinc Alloy 3 (body)  
SS304 (Pin)

| Reference | Size               | Max Door Weight         |
|-----------|--------------------|-------------------------|
| 165/060   | 125 x 29 x 26/26mm | 2 pieces per door. 60kg |
|           |                    | 3 pieces per door. 80kg |

#### Specification

|                       |                                            |
|-----------------------|--------------------------------------------|
| Usage                 | Timber Door, Aluminium Door, Interior Door |
| Min. Door Thickness   | 38mm                                       |
| Opening Angle         | 180 Degree                                 |
| Installation          | Non-Handed                                 |
| Horizontal Adjustment | + / - 1.0mm                                |
| Vertical Adjustment   | + / - 2.0mm                                |
| Depth Adjustment      | + / - 1.5mm                                |
| Intermediate Gap      | 20.0mm                                     |

Available finishes Matt Chrome, Matt Black, etc

| Door height (mm) | Load Capacity Chart (kg) - 2 Hinges |     |     |      |      |      |      |  |
|------------------|-------------------------------------|-----|-----|------|------|------|------|--|
| 2200             | 60                                  | 60  | 60  | 58   | 51   | 46   | 42   |  |
| 2100             | 60                                  | 60  | 60  | 55   | 48   | 44   | 40   |  |
| 2000             | 60                                  | 60  | 60  | 51   | 46   | 42   | 39   |  |
| 1900             | 60                                  | 60  | 60  | 48   | 44   | 40   | 38   |  |
| Door Width (mm)  | 700                                 | 800 | 900 | 1000 | 1100 | 1200 | 1300 |  |

| Door height (mm) | Load Capacity Chart (kg) - 3 Hinges |     |     |      |      |      |      |  |
|------------------|-------------------------------------|-----|-----|------|------|------|------|--|
| 3000             | 80                                  | 80  | 80  | 80   | 80   | 80   | 80   |  |
| 2900             | 80                                  | 80  | 80  | 80   | 80   | 80   | 80   |  |
| 2800             | 80                                  | 80  | 80  | 80   | 80   | 80   | 75   |  |
| 2700             | 80                                  | 80  | 80  | 80   | 80   | 80   | 71   |  |
| 2600             | 80                                  | 80  | 80  | 80   | 80   | 76   | 67   |  |
| 2500             | 80                                  | 80  | 80  | 80   | 80   | 71   | 64   |  |
| 2400             | 80                                  | 80  | 80  | 80   | 77   | 67   | 61   |  |
| 2300             | 80                                  | 80  | 80  | 80   | 72   | 64   | 58   |  |
| 2200             | 80                                  | 80  | 80  | 78   | 67   | 60   | 56   |  |
| 2100             | 80                                  | 80  | 80  | 72   | 63   | 57   | 54   |  |
| 2000             | 80                                  | 80  | 80  | 67   | 60   | 55   | 52   |  |
| Door Width (mm)  | 700                                 | 800 | 900 | 1000 | 1100 | 1200 | 1300 |  |



3D Conceal Hinge

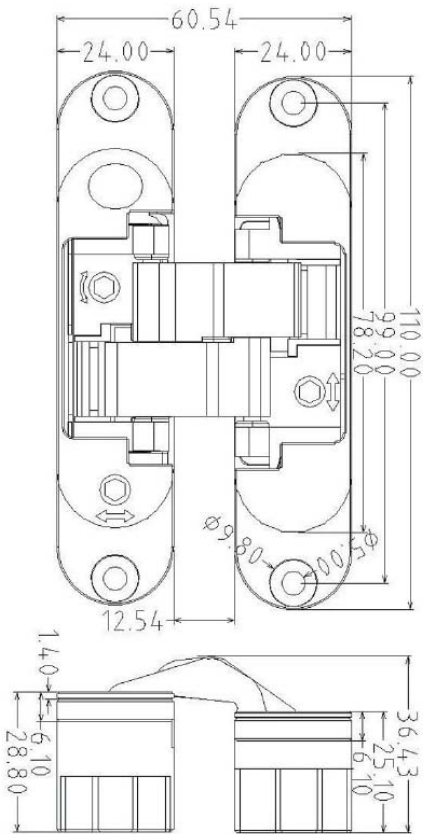
REF:: 160/040

Material:: Zinc Alloy

| Reference | Size               | Max Door Weight         |
|-----------|--------------------|-------------------------|
| 160/040   | 110 x 24 x 29/25mm | 2 pieces per door. 40kg |

Specification

|                       |                                            |
|-----------------------|--------------------------------------------|
| Usage                 | Timber Door, Aluminium Door, Interior Door |
| Min. Door Thickness   | 35mm                                       |
| Opening Angle         | 180 Degree                                 |
| Installation          | Non-Handed                                 |
| Horizontal Adjustment | + / - 1.5mm                                |
| Vertical Adjustment   | + / - 2.5mm                                |
| Depth Adjustment      | + / - 1.0mm                                |
| Intermediate Gap      | 12mm                                       |





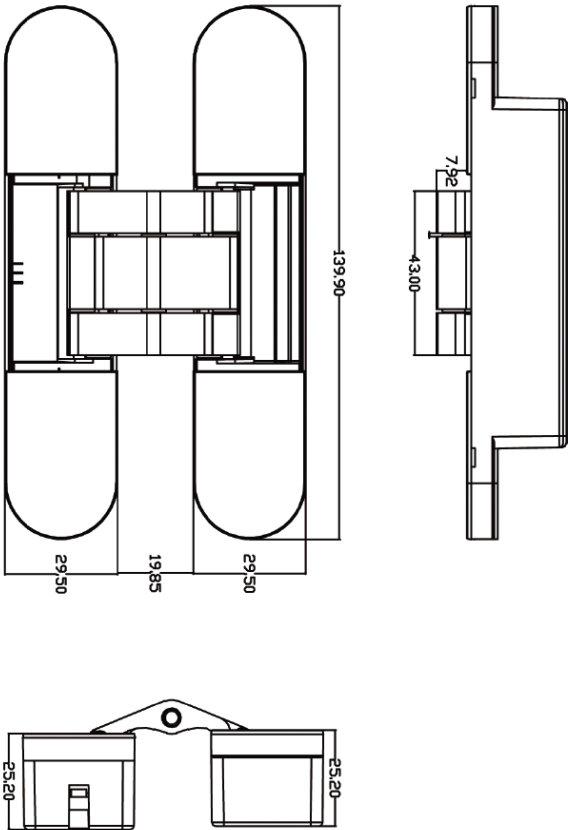
**3D Conceal Hinge**  
**REF:: 160/060**

Material:: Zinc Alloy

| Reference | Size               | Max Door Weight         |
|-----------|--------------------|-------------------------|
| 160/060   | 140 x 30 x 25/25mm | 2 pieces per door. 60kg |

**Specification**

|                       |                                            |
|-----------------------|--------------------------------------------|
| Usage                 | Timber Door, Aluminium Door, Interior Door |
| Min. Door Thickness   | 36mm                                       |
| Opening Angle         | 180 Degree                                 |
| Installation          | Non-Handed                                 |
| Horizontal Adjustment | + / - 1.5mm                                |
| Vertical Adjustment   | + / - 2.0mm                                |
| Depth Adjustment      | + / - 1.0mm                                |
| Intermediate Gap      | 20mm                                       |





3D Conceal Hinge

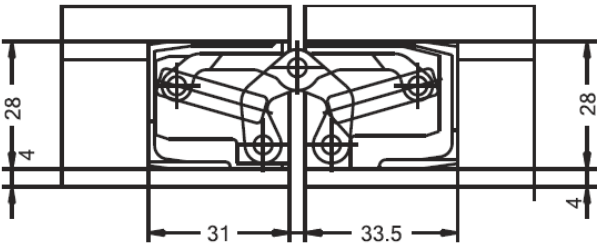
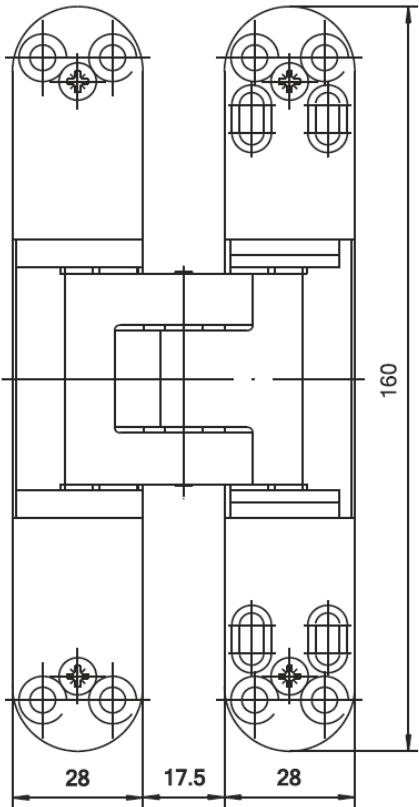
REF:: 160/080

Material:: Zinc Alloy

| Reference | Size               | Max Door Weight         |
|-----------|--------------------|-------------------------|
| 160/080   | 160 x 28 x 31/34mm | 2 pieces per door. 80kg |

Specification

|                       |                                        |
|-----------------------|----------------------------------------|
| Usage                 | Timber Door, Steel Door, Entrance Door |
| Min. Door Thickness   | 36mm                                   |
| Opening Angle         | 180 Degree                             |
| Installation          | Non-Handed                             |
| Horizontal Adjustment | + / - 3.0mm                            |
| Vertical Adjustment   | + / - 3.0mm                            |
| Depth Adjustment      | + / - 1.0mm                            |
| Intermediate Gap      | 17.5mm                                 |





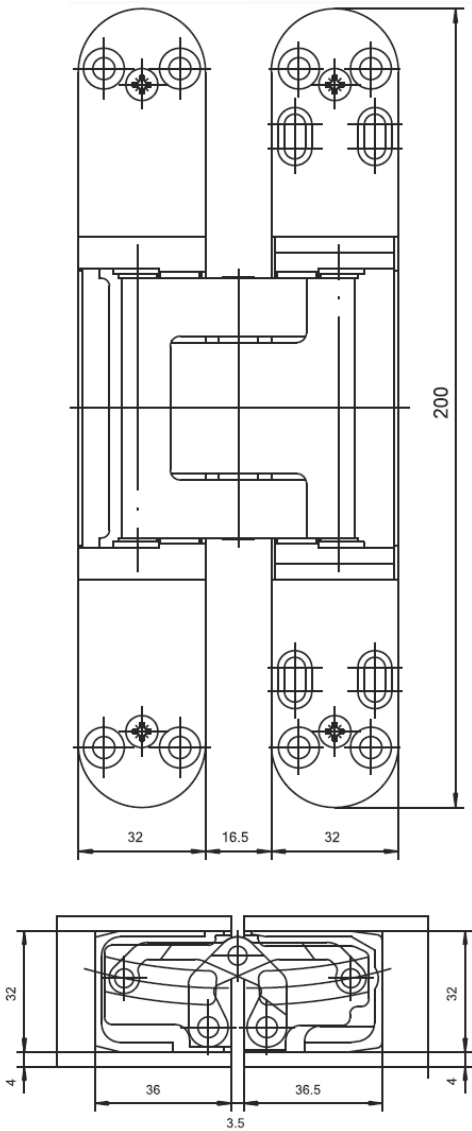
**3D Conceal Hinge**  
**REF:: 160/120**

Material:: Zinc Alloy

| Reference | Size               | Max Door Weight          |
|-----------|--------------------|--------------------------|
| 160/120   | 200 x 32 x 36/36mm | 2 pieces per door. 120kg |

**Specification**

|                       |                                        |
|-----------------------|----------------------------------------|
| Usage                 | Timber Door, Steel Door, Entrance Door |
| Min. Door Thickness   | 40mm                                   |
| Opening Angle         | 180 Degree                             |
| Installation          | Non-Handed                             |
| Horizontal Adjustment | + / - 3.0mm                            |
| Vertical Adjustment   | + / - 3.0mm                            |
| Depth Adjustment      | + / - 1.0mm                            |
| Intermediate Gap      | 16.5mm                                 |





3D Conceal Hinge

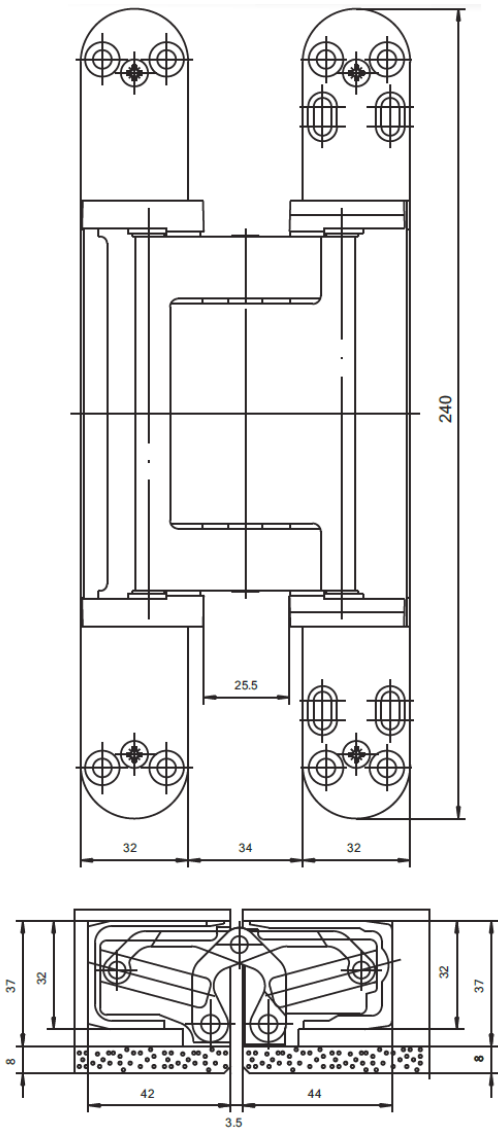
REF:: 160/160

Material:: Zinc Alloy

| Reference | Size               | Max Door Weight          |
|-----------|--------------------|--------------------------|
| 160/160   | 240 x 32 x 42/44mm | 2 pieces per door. 160kg |

Specification

|                       |                                        |
|-----------------------|----------------------------------------|
| Usage                 | Timber Door, Steel Door, Entrance Door |
| Min. Door Thickness   | 50mm                                   |
| Opening Angle         | 180 Degree                             |
| Installation          | Non-Handed                             |
| Horizontal Adjustment | + / - 3.0mm                            |
| Vertical Adjustment   | + / - 3.0mm                            |
| Depth Adjustment      | + / - 1.0mm                            |
| Intermediate Gap      | 34mm                                   |





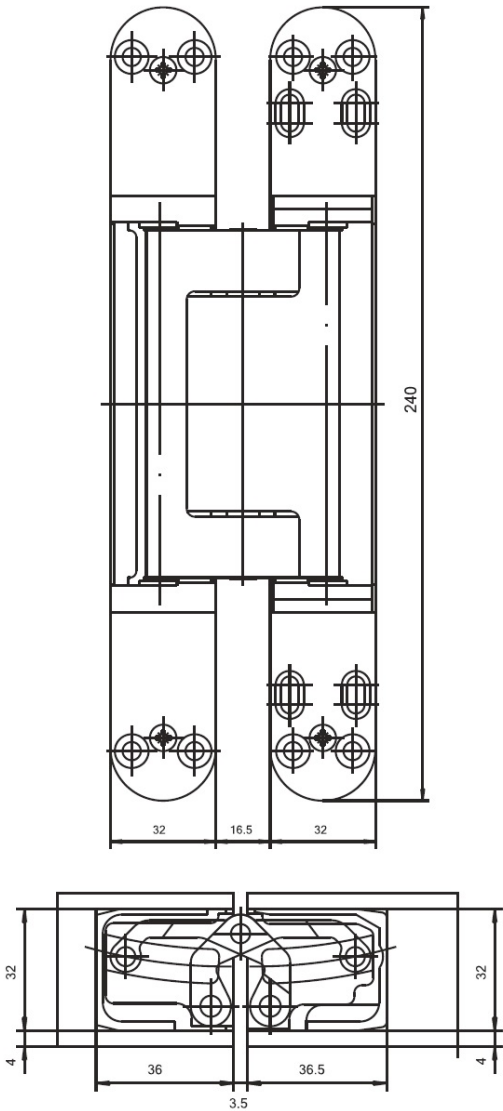
**3D Conceal Hinge**  
REF:: 160/200

Material:: Zinc Alloy

| Reference | Size               | Max Door Weight          |
|-----------|--------------------|--------------------------|
| 160/200   | 240 x 32 x 36/36mm | 2 pieces per door. 200kg |

**Specification**

|                       |                                        |
|-----------------------|----------------------------------------|
| Usage                 | Timber Door, Steel Door, Entrance Door |
| Min. Door Thickness   | 40mm                                   |
| Opening Angle         | 180 Degree                             |
| Installation          | Non-Handed                             |
| Horizontal Adjustment | + / - 3.0mm                            |
| Vertical Adjustment   | + / - 3.0mm                            |
| Depth Adjustment      | + / - 1.0mm                            |
| Intermediate Gap      | 16.5mm                                 |





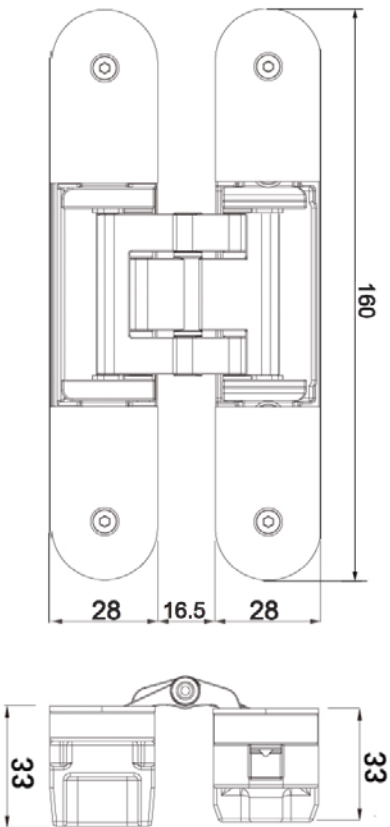
3D Conceal Hinge  
REF:: 180/120

Material:: Stainless Steel

| Reference | Size               | Max Door Weight          |
|-----------|--------------------|--------------------------|
| 180/120   | 160 x 28 x 33/33mm | 2 pieces per door. 120kg |

Specification

|                       |                                    |
|-----------------------|------------------------------------|
| Usage                 | Timber Door, Steel Door, Fire Door |
| Min. Door Thickness   | 40mm                               |
| Opening Angle         | 180 Degree                         |
| Installation          | Non-Handed                         |
| Horizontal Adjustment | + / - 1.5mm                        |
| Vertical Adjustment   | + / - 2.0mm                        |
| Depth Adjustment      | + / - 1.5mm                        |
| Intermediate Gap      | 16.5mm                             |





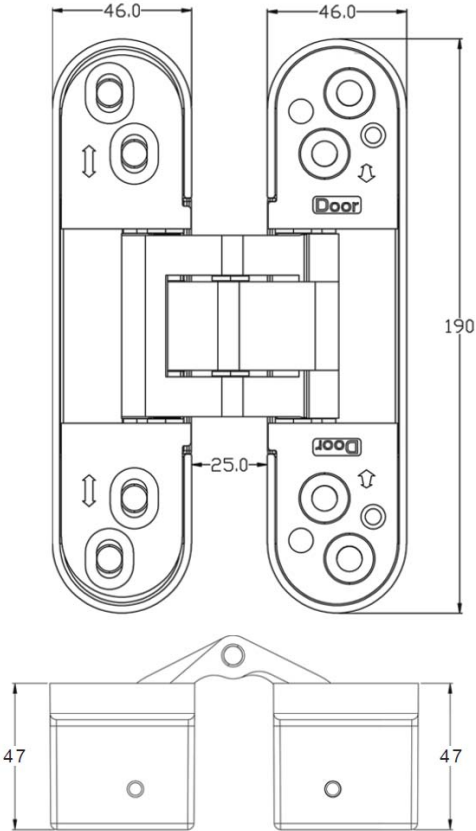
**3D Conceal Hinge**  
**REF:: 180/200**

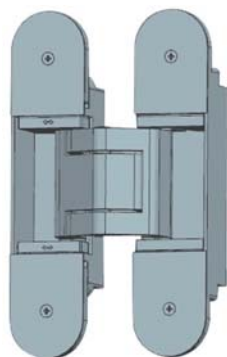
Material:: Stainless Steel

| Reference | Size               | Max Door Weight          |
|-----------|--------------------|--------------------------|
| 160/200   | 190 x 46 x 47/47mm | 2 pieces per door. 200kg |

**Specification**

|                       |                                    |
|-----------------------|------------------------------------|
| Usage                 | Timber Door, Steel Door, Fire Door |
| Min. Door Thickness   | 60mm                               |
| Opening Angle         | 180 Degree                         |
| Installation          | Non-Handed                         |
| Horizontal Adjustment | + / - 2.0mm                        |
| Vertical Adjustment   | + / - 2.0mm                        |
| Depth Adjustment      | Not Applicable                     |
| Intermediate Gap      | 25mm                               |





3D Conceal Hinge

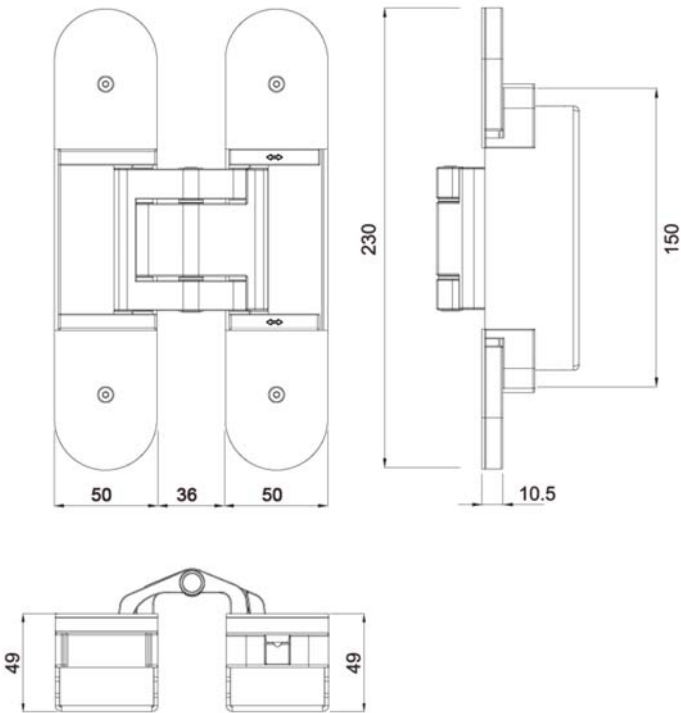
REF:: 180/300

Material:: Stainless Steel

| Reference | Size               | Max Door Weight          |
|-----------|--------------------|--------------------------|
| 180/300   | 230 x 50 x 49/49mm | 2 pieces per door. 300kg |

Specification

|                       |                                    |
|-----------------------|------------------------------------|
| Usage                 | Timber Door, Steel Door, Fire Door |
| Min. Door Thickness   | 70mm                               |
| Opening Angle         | 180 Degree                         |
| Installation          | Non-Handed                         |
| Horizontal Adjustment | + / - 2.0mm                        |
| Vertical Adjustment   | + / - 3.0mm                        |
| Depth Adjustment      | + / - 2.0mm                        |
| Intermediate Gap      | 36mm                               |



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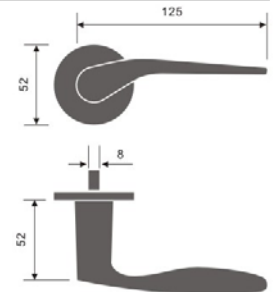
**::LEVER HANDLES**



### Casting Lever Handle

REF:: 300001

Material:: Stainless Steel

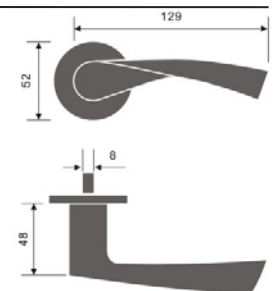


### Casting Lever Handle

REF:: 300002

Material:: Stainless Steel

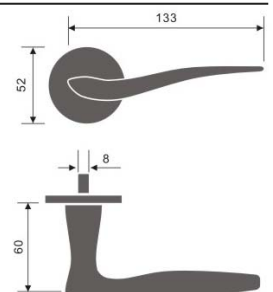
- Also Available in Hollow Version



### Casting Lever Handle

REF:: 300003

Material:: Stainless Steel

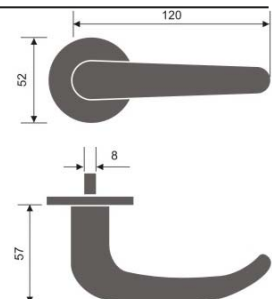


### Casting Lever Handle

Ref:: 300004

Material:: Stainless Steel

- Also Available in Hollow Version

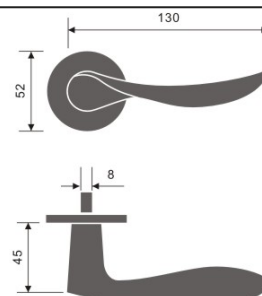




### Casting Lever Handle

REF:: 300006

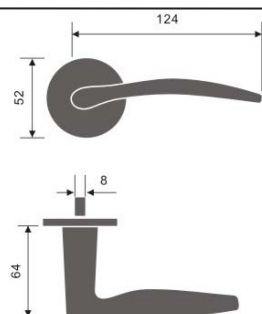
Material:: Stainless Steel



### Casting Lever Handle

REF:: 300008

Material:: Stainless Steel

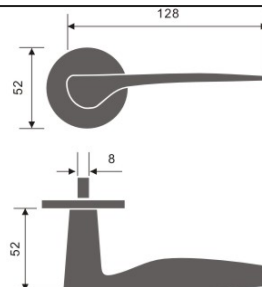


### Casting Lever Handle

REF:: 300011

Material:: Stainless Steel

- Also Available in Hollow Version

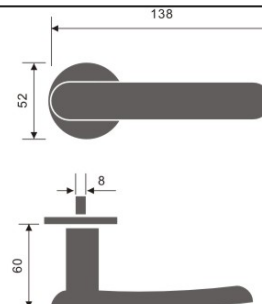


### Casting Lever Handle

REF:: 300012

Material:: Stainless Steel

- Also Available in Hollow Version



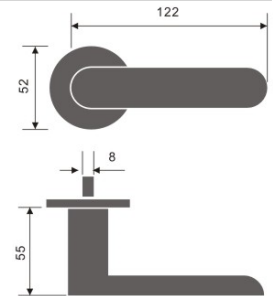


### Casting Lever Handle

REF:: 300013

Material:: Stainless Steel

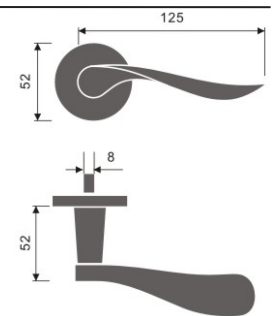
- Also Available in Hollow Version



### Casting Lever Handle

REF:: 300016

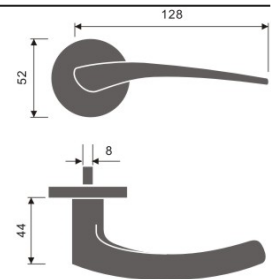
Material:: Stainless Steel



### Casting Lever Handle

REF:: 300019

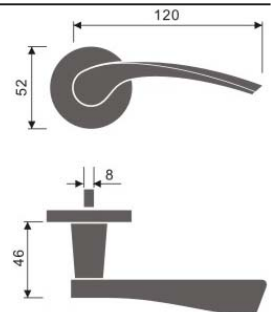
Material:: Stainless Steel



### Casting Lever Handle

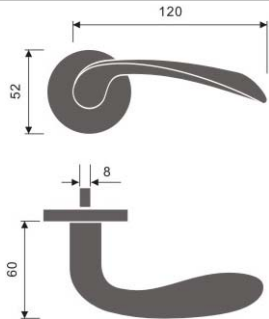
REF:: 300020

Material:: Stainless Steel

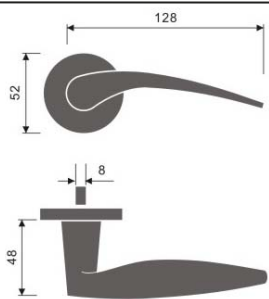




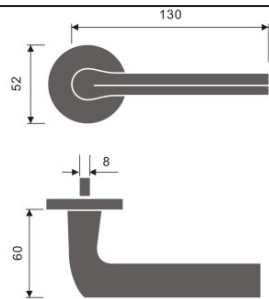
**Casting Lever Handle**  
REF:: 300021  
Material:: Stainless Steel



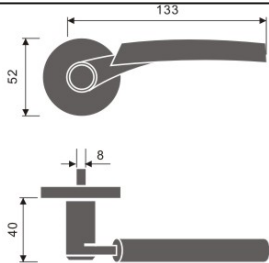
**Casting Lever Handle**  
REF:: 300023  
Material:: Stainless Steel



**Casting Lever Handle**  
REF:: 300024  
Material:: Stainless Steel



**Casting Lever Handle**  
REF:: 300025  
Material:: Stainless Steel

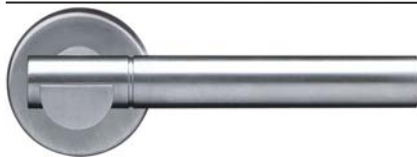
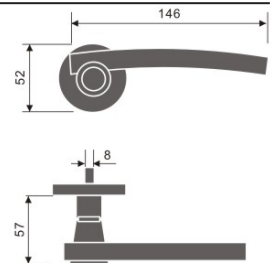




### Casting Lever Handle

REF:: 300027

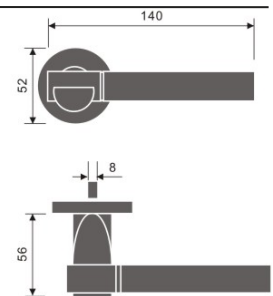
Material:: Stainless Steel



### Casting Lever Handle

REF:: 300028

Material:: Stainless Steel

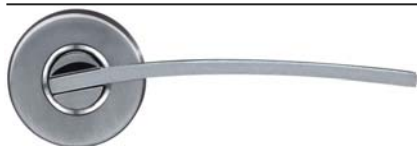
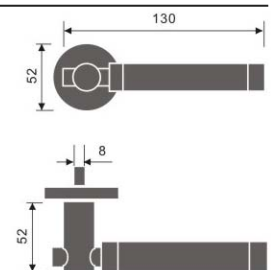


### Casting Lever Handle

REF:: 300030

Material:: Stainless Steel

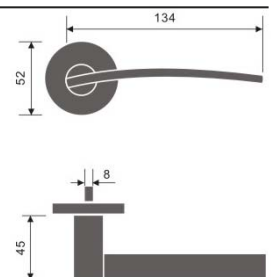
- Also Available in Hollow Version



### Casting Lever Handle

REF:: 300034

Material:: Stainless Steel

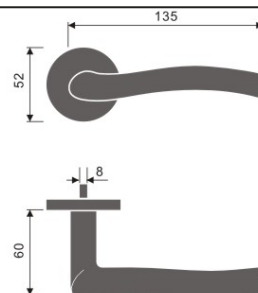




### Casting Lever Handle

REF:: 300035

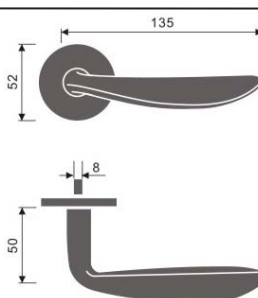
Material:: Stainless Steel



### Casting Lever Handle

REF:: 300037

Material:: Stainless Steel

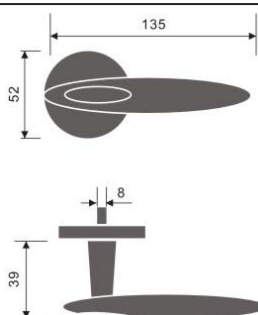


### Casting Lever Handle

REF:: 300038

Material:: Stainless Steel

- Also Available in Hollow Version

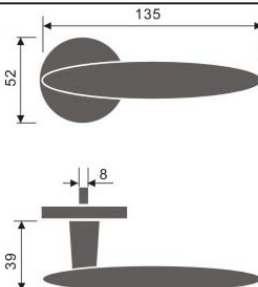


### Casting Lever Handle

REF:: 300039

Material:: Stainless Steel

- Also Available in Hollow Version



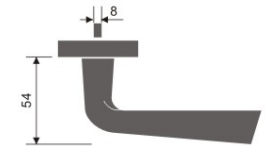
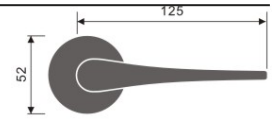


### Casting Lever Handle

REF:: 300041

Material:: Stainless Steel

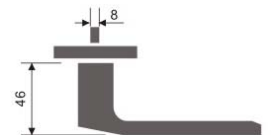
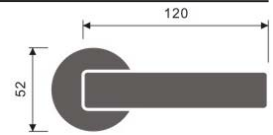
- Also Available in Hollow Version



### Casting Lever Handle

REF:: 300042

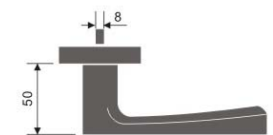
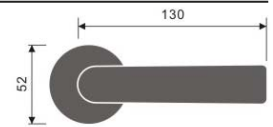
Material:: Stainless Steel



### Casting Lever Handle

REF:: 300043

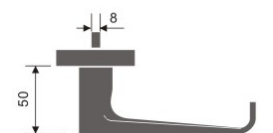
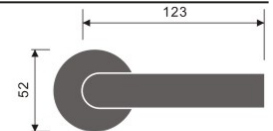
Material:: Stainless Steel



### Casting Lever Handle

REF:: 300044

Material:: Stainless Steel

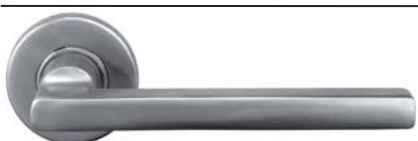
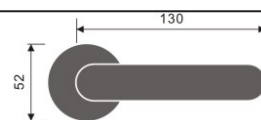




### Casting Lever Handle

REF:: 300045

Material:: Stainless Steel

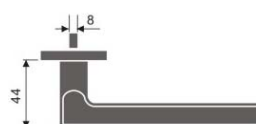
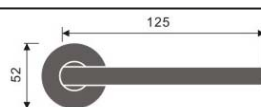


### Casting Lever Handle

REF:: 300046

Material:: Stainless Steel

- Also Available in Hollow Version

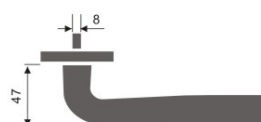
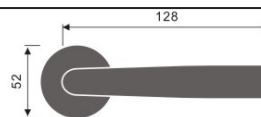


### Casting Lever Handle

REF:: 300050

Material:: Stainless Steel

- Also Available in Hollow Version

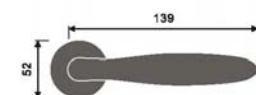


### Casting Lever Handle

REF:: 300051

Material:: Stainless Steel

- Also Available in Hollow Version

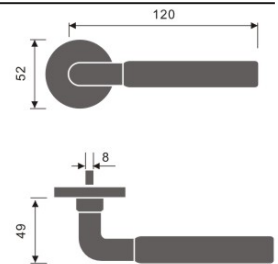




### Casting Lever Handle

REF:: 300052

Material:: Stainless Steel

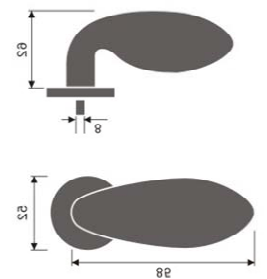


### Casting Lever Handle

REF:: 300053

Material:: Stainless Steel

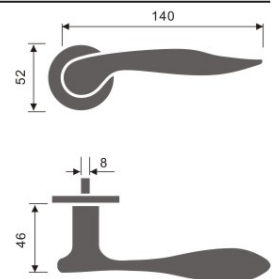
- Also Available in Hollow Version



### Casting Lever Handle

REF:: 300054

Material:: Stainless Steel

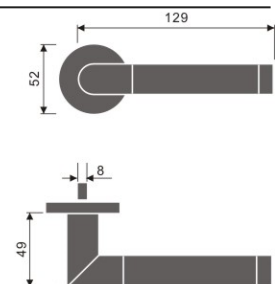


### Casting Lever Handle

REF:: 300060

Material:: Stainless Steel

- Also Available in Hollow Version



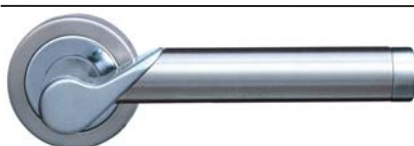
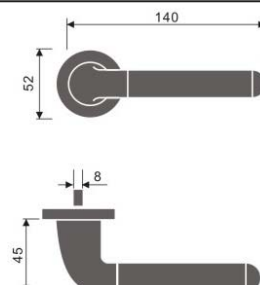


### Casting Lever Handle

REF:: 300062

Material:: Stainless Steel

- Also Available in Hollow Version

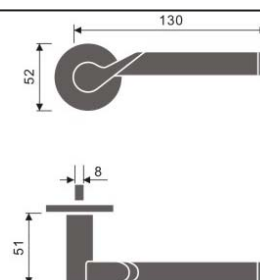


### Casting Lever Handle

REF:: 300064

Material:: Stainless Steel

- Also Available in Hollow Version

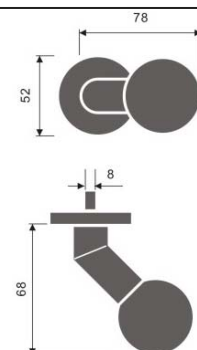


### Casting Lever Handle

REF:: 300068

Material:: Stainless Steel

- Also Available in Hollow Version

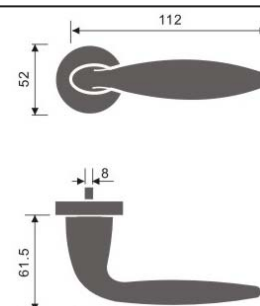


### Casting Lever Handle

Ref:: 300079

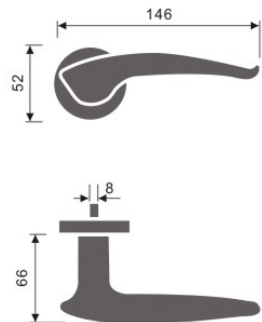
Material:: Stainless Steel

- Also Available in Hollow Version

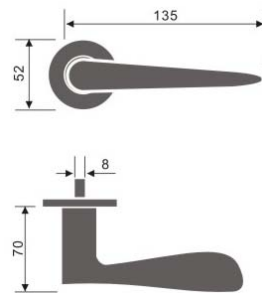




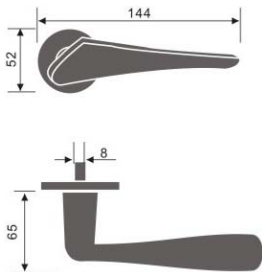
**Casting Lever Handle**  
REF:: 300114  
Material:: Stainless Steel



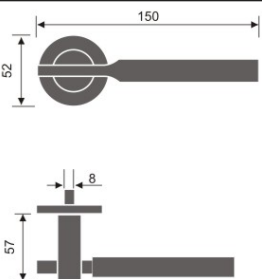
**Casting Lever Handle**  
REF:: 300120  
Material:: Stainless Steel



**Casting Lever Handle**  
REF:: 300124  
Material:: Stainless Steel



**Casting Lever Handle**  
REF:: 300125  
Material:: Stainless Steel

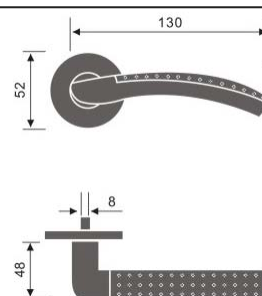




### Casting Lever Handle

REF:: 300129

Material:: Stainless Steel

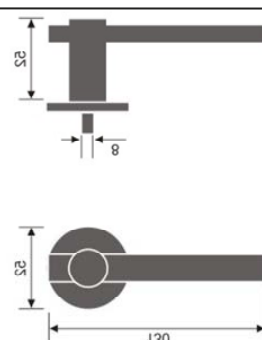


### Casting Lever Handle

REF:: 300133

Material:: Stainless Steel

- Also Available in Hollow Version

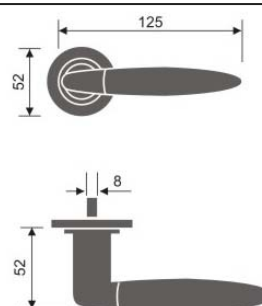


### Casting Lever Handle

REF:: 300136

Material:: Stainless Steel

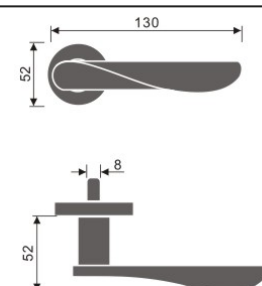
- Also Available in Hollow Version



### Casting Lever Handle

REF:: 300138

Material:: Stainless Steel

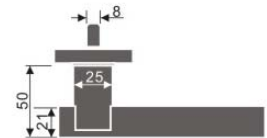




### Casting Lever Handle

REF:: 300142

Material:: Stainless Steel

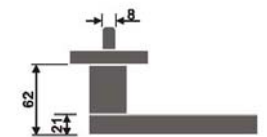
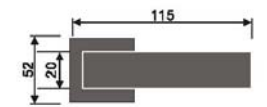


### Casting Lever Handle

REF:: 300144

Material:: Stainless Steel

- Also Available in Hollow Version

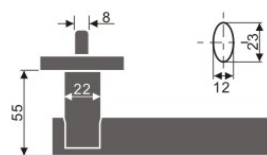
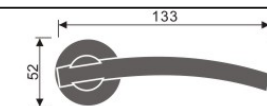


### Casting Lever Handle

REF:: 300146

Material:: Stainless Steel

- Also Available in Hollow Version

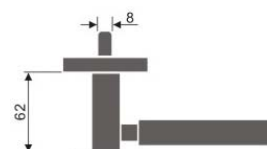
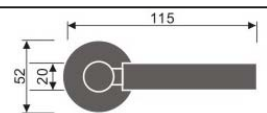


### Casting Lever Handle

REF:: 300147

Material:: Stainless Steel

- Also Available in Hollow Version



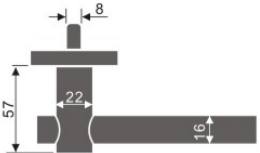
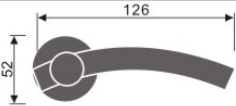


**Casting Lever Handle**

REF:: 300148  
Material:: Stainless Steel

- Also Available in Hollow Version

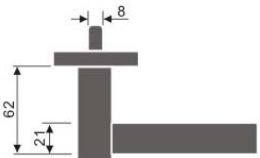
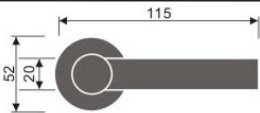
|          |     |     |     |
|----------|-----|-----|-----|
| Length   | 130 | 135 | 140 |
| Height   | 50  | 60  | 60  |
| Diameter | 16  | 19  | 20  |



**Casting Lever Handle**

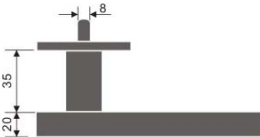
REF:: 300149  
Material:: Stainless Steel

- Also Available in Hollow Version



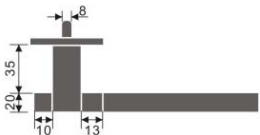
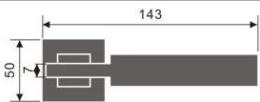
**Casting Lever Handle**

REF:: 300150  
Material:: Stainless Steel



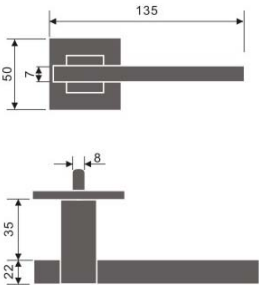
**Casting Lever Handle**

REF:: 300151  
Material:: Stainless Steel

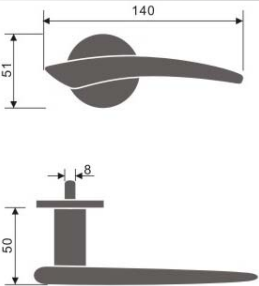




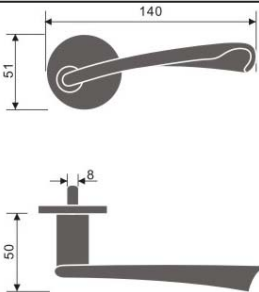
**Casting Lever Handle**  
REF:: 300152  
Material:: Stainless Steel



**Casting Lever Handle**  
REF:: 300157  
Material:: Stainless Steel



**Casting Lever Handle**  
REF:: 300166  
Material:: Stainless Steel

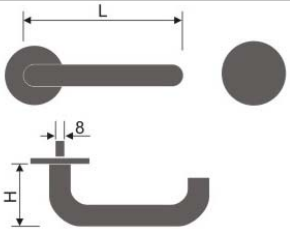




**Tube Lever Handle**

REF:: 310101  
Material:: Stainless Steel

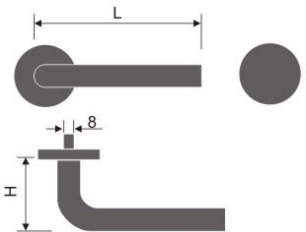
|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |



**Tube Lever Handle**

REF:: 310102  
Material:: Stainless Steel

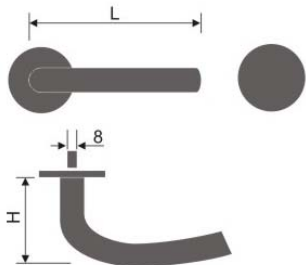
|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |



**Tube Lever Handle**

REF:: 310103  
Material:: Stainless Steel

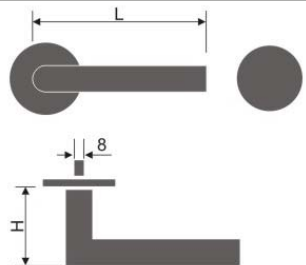
|          |     |     |     |
|----------|-----|-----|-----|
| Length   | 130 | 135 | 140 |
| Height   | 50  | 60  | 60  |
| Diameter | 16  | 19  | 20  |



**Tube Lever Handle**

REF:: 310104  
Material:: Stainless Steel

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |

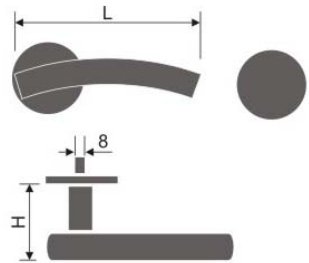




Tube Lever Handle

REF:: 310105  
Material:: Stainless Steel

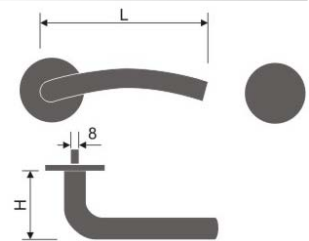
|          |     |     |     |
|----------|-----|-----|-----|
| Length   | 130 | 135 | 145 |
| Height   | 50  | 60  | 65  |
| Diameter | 16  | 19  | 22  |



Tube Lever Handle

REF:: 310106  
Material:: Stainless Steel

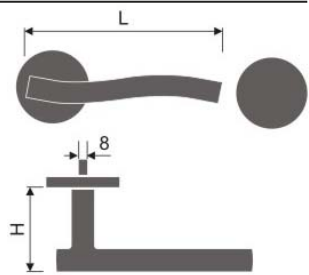
|          |     |
|----------|-----|
| Length   | 135 |
| Height   | 60  |
| Diameter | 19  |



Tube Lever Handle

REF:: 310107  
Material:: Stainless Steel

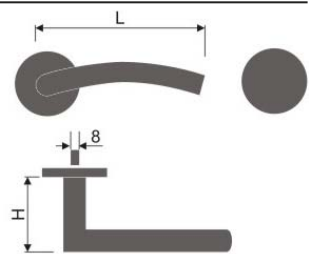
|          |     |
|----------|-----|
| Length   | 135 |
| Height   | 60  |
| Diameter | 19  |



Tube Lever Handle

REF:: 310108  
Material:: Stainless Steel

|          |     |     |     |
|----------|-----|-----|-----|
| Length   | 130 | 135 | 140 |
| Height   | 50  | 60  | 60  |
| Diameter | 16  | 19  | 20  |



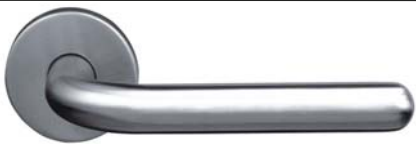
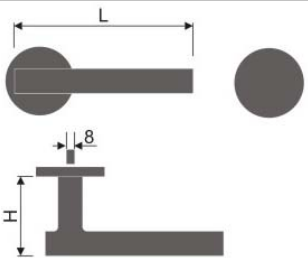


**Tube Lever Handle**

REF:: 310109

Material:: Stainless Steel

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |

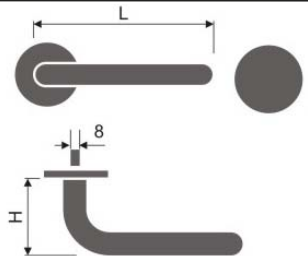


**Tube Lever Handle (Round End)**

REF:: 310110

Material:: Stainless Steel

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |

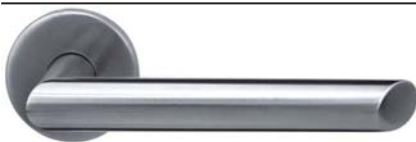
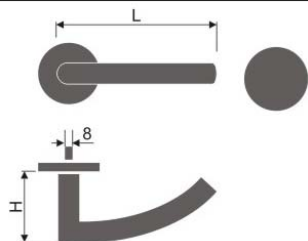


**Tube Lever Handle**

REF:: 310111

Material:: Stainless Steel

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |

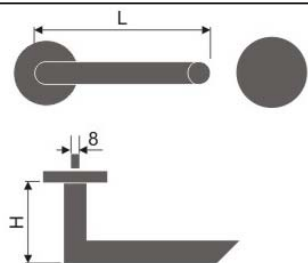


**Tube Lever Handle (Declined End)**

REF:: 310112

Material:: Stainless Steel

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |

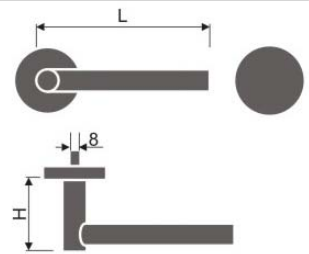




Tube Lever Handle

REF:: 310113  
Material:: Stainless Steel

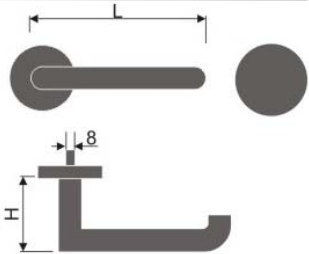
|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |



Tube Lever Handle

REF:: 310114  
Material:: Stainless Steel

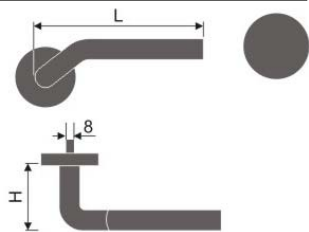
|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |



Tube Lever Handle

REF:: 310115  
Material:: Stainless Steel

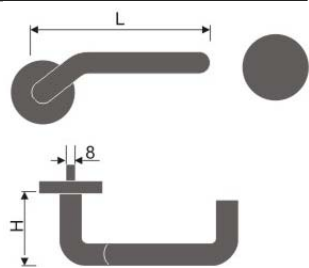
|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |



Tube Lever Handle

REF:: 310116  
Material:: Stainless Steel

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |

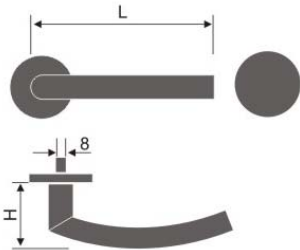




**Tube Lever Handle**

REF:: 310119  
Material:: Stainless Steel

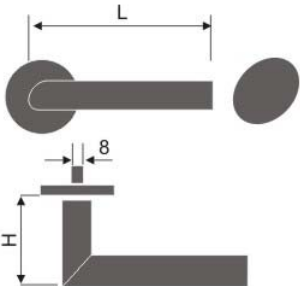
|          |         |     |         |     |
|----------|---------|-----|---------|-----|
| Length   | 130     | 135 | 140     | 145 |
| Height   | 50      | 60  | 60      | 65  |
| Diameter | 22 x 15 |     | 23 x 13 |     |



**Tube Lever Handle**

REF:: 310122  
Material:: Stainless Steel

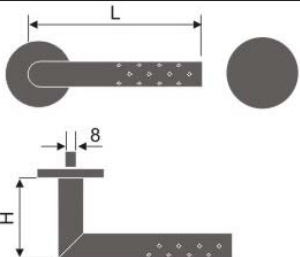
|          |         |     |         |     |
|----------|---------|-----|---------|-----|
| Length   | 130     | 135 | 140     | 145 |
| Height   | 50      | 60  | 60      | 65  |
| Diameter | 21 x 15 |     | 23 x 13 |     |



**Tube Lever Handle**

REF:: 310123  
Material:: Stainless Steel

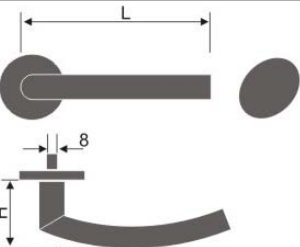
|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |



**Tube Lever Handle**

REF:: 310124  
Material:: Stainless Steel

|          |     |     |     |     |
|----------|-----|-----|-----|-----|
| Length   | 130 | 135 | 140 | 145 |
| Height   | 50  | 60  | 60  | 65  |
| Diameter | 16  | 19  | 20  | 22  |



Lever Handle on Roses/  
REF:: 341000 - 371000

| Reference            | Specification                               |
|----------------------|---------------------------------------------|
| <b>::Round Rose</b>  |                                             |
| 341000/1-4           | Dia. 54 x 9mm<br>- <i>Dual-Force System</i> |
| 342000/1-4           | Dia. 53 x 10mm                              |
| 343000/1-4           | Dia. 52 x 8mm                               |
| 344000/1-4           | Dia. 52 x 4mm                               |
| <b>::Square Rose</b> |                                             |
| 347000/1-4           | 53 x 53 x 8mm                               |
| 348000/1-4           | 52 x 52 x 10mm - <i>Solid</i>               |
| <b>::Oval Rose</b>   |                                             |
| 349000/1             | 66 x 31 x 11mm                              |
| <b>::Window Rose</b> |                                             |
| 371000/0             | 64 x 31 x 11mm                              |



4. WC (Refer to P.81-83 for more options)  
**::On Round Rose**

4. WC (Refer to P.81-83 for more options)  
**::On Square Rose**



1. PZ  
**::On Oval Rose**

**::On Window Rose**

Material:: Stainless Steel

Lever Handle with Knobs/  
REF:: 380000 - 382000

| Reference | Specification |
|-----------|---------------|
| 380068/1  | Dia. 55mm     |
| 380004/2  | Dia. 50mm     |
| 381004/2  | Dia. 55mm     |
| 382004/2  | Dia. 65mm     |
| 380006/3  | Dia. 50mm     |
| 381006/3  | Dia. 55mm     |



Material:: Stainless Steel

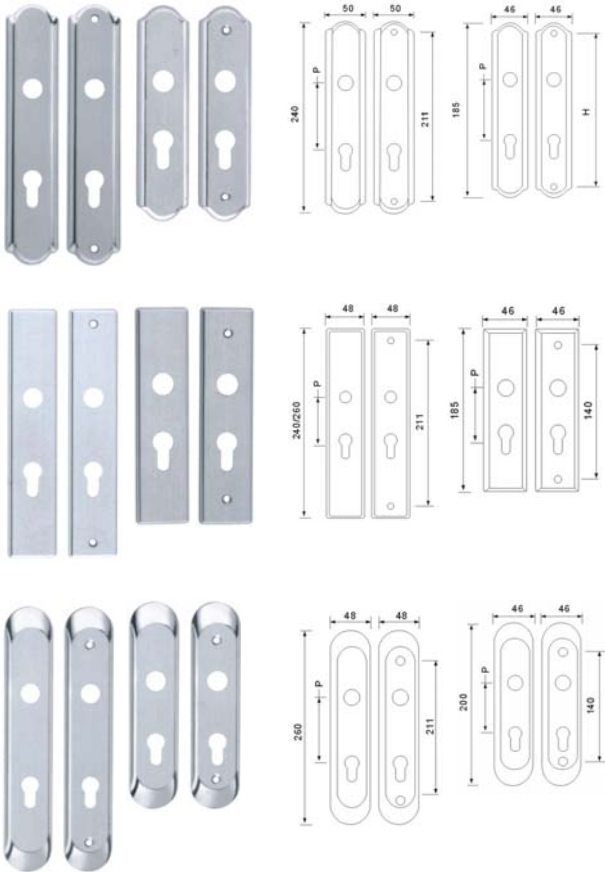


**Lever Handle on Long Plate /**  
**(CTC:: 72mm/ 85mm)**  
**REF:: 410000/1-D**

| Reference | Specification   | Remark       |
|-----------|-----------------|--------------|
| 410000/1  | 245 x 45 x 10mm | Blind Round  |
| 410000/2  | 245 x 45 x 10mm | PZ           |
| 410000/3  | 245 x 45 x 10mm | BB           |
| 410000/4  | 245 x 45 x 10mm | WC           |
| 410000/6  | 245 x 45 x 10mm | Blind Square |
| 410000/7  | 245 x 45 x 10mm | PZ           |
| 410000/8  | 245 x 45 x 10mm | BB           |
| 410000/9  | 245 x 45 x 10mm | WC           |
| 410000/A  | 168 x 45 x 8mm  | Blind Round  |
| 410000/B  | 168 x 45 x 8mm  | PZ           |
| 410000/C  | 168 x 45 x 8mm  | BB           |
| 410000/D  | 168 x 45 x 8mm  | WC           |



**::Shape Examples (Made-to-Order)**



Material:: Stainless Steel

**Lever Handle on Square Plate /**  
**(CTC:: 72mm)**  
**REF:: 410000/F-H**

| Reference | Specification | Remark |
|-----------|---------------|--------|
| 410000/F  | 170 x170mm    | Blind  |
| 410000/G  | 170 x170mm    | PZ     |
| 410000/H  | 170 x170mm    | WC     |



**::Shape Example**



Material:: Stainless Steel



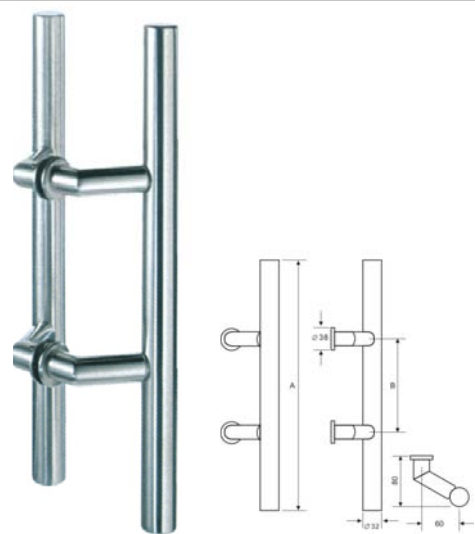
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**::PULL HANDLES / PLATES**



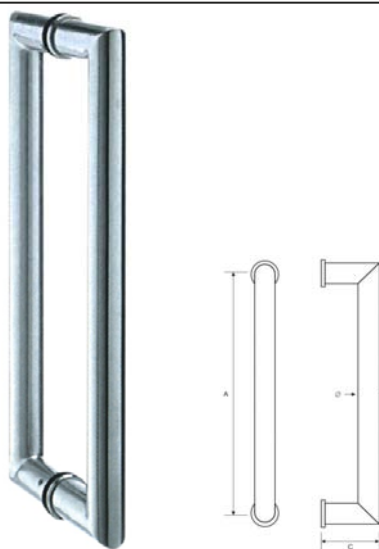
**Pull Handle/** REF:: 400205 & 420205

| Reference | Specification                               | Remark          | Material           |
|-----------|---------------------------------------------|-----------------|--------------------|
| 400205    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt<br>Through | Stainless<br>Steel |
| 420205    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Back to<br>Back |                    |



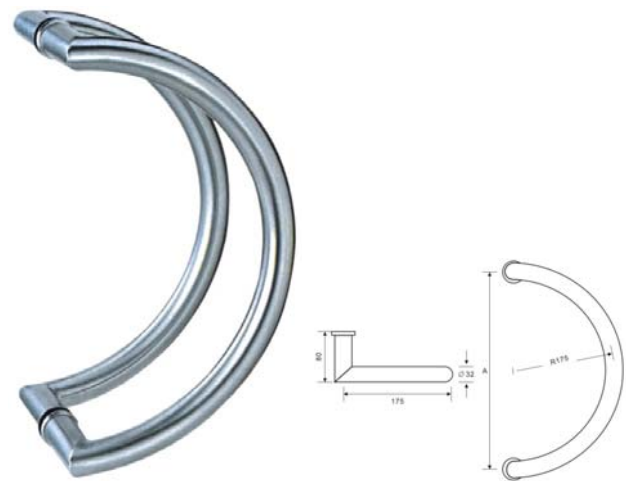
**Pull Handle/** REF:: 400206 & 420206

| Reference | Specification                               | Remark          | Material           |
|-----------|---------------------------------------------|-----------------|--------------------|
| 400206    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt<br>Through | Stainless<br>Steel |
| 420206    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Back to<br>Back |                    |



**Pull Handle/** REF:: 400209 & 420209

| Reference | Specification                               | Remark          | Material           |
|-----------|---------------------------------------------|-----------------|--------------------|
| 400209    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt<br>Through | Stainless<br>Steel |
| 420209    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Back to<br>Back |                    |



**Pull Handle/** REF:: 400211 & 420211

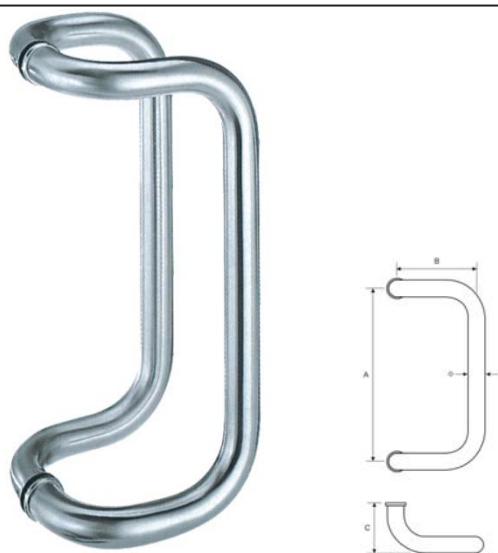
| Reference | Specification           | Remark          | Material           |
|-----------|-------------------------|-----------------|--------------------|
| 400211    | Dia. 32mm<br>CTC: 350mm | Bolt<br>Through | Stainless<br>Steel |
| 420211    | Dia. 32mm<br>CTC: 350mm | Back to<br>Back |                    |

**Pull Handle/** REF:: 400213 & 420213

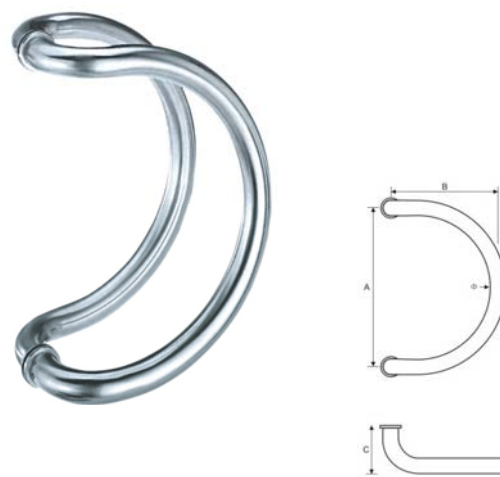
| Reference | Specification                               | Remark          | Material           |
|-----------|---------------------------------------------|-----------------|--------------------|
| 400213    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt<br>Through | Stainless<br>Steel |
| 420213    | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Back to<br>Back |                    |

**Pull Handle/** REF:: 400214 & 420214

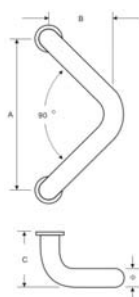
| Reference | Specification                     | Remark          | Material           |
|-----------|-----------------------------------|-----------------|--------------------|
| 400214    | Dia. 22/25/32mm<br>CTC: 300-400mm | Bolt<br>Through | Stainless<br>Steel |
| 420214    | Dia. 22/25/32mm<br>CTC: 300-400mm | Back to<br>Back |                    |

**Pull Handle/** REF:: 400215 & 420215

| Reference | Specification                  | Remark          | Material           |
|-----------|--------------------------------|-----------------|--------------------|
| 400215    | Dia. 25/32mm<br>CTC: 350/450mm | Bolt<br>Through | Stainless<br>Steel |
| 420215    | Dia. 25/32mm<br>CTC: 350/450mm | Back to<br>Back |                    |

**Pull Handle/** REF:: 400216 & 420216

| Reference | Specification           | Remark          | Material           |
|-----------|-------------------------|-----------------|--------------------|
| 400216    | Dia. 32mm<br>CTC: 350mm | Bolt<br>Through | Stainless<br>Steel |
| 420216    | Dia. 32mm<br>CTC: 350mm | Back to<br>Back |                    |

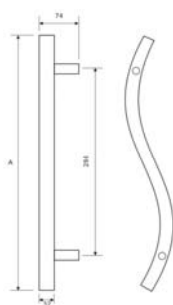


### Pull Handle/ REF:: 400217 & 420217

| Reference | Specification           | Remark          | Material           |
|-----------|-------------------------|-----------------|--------------------|
| 400217    | Dia. 25mm<br>CTC: 300mm | Bolt<br>Through | Stainless<br>Steel |
| 420217    | Dia. 25mm<br>CTC: 300mm | Back to<br>Back |                    |

### Pull Handle/ REF:: 400232 & 420232

| Reference | Specification                     | Remark          | Material           |
|-----------|-----------------------------------|-----------------|--------------------|
| 400232    | Dia. 22/25/32mm<br>CTC: 300-400mm | Bolt<br>Through | Stainless<br>Steel |
| 420232    | Dia. 22/25/32mm<br>CTC: 300-400mm | Back to<br>Back |                    |



### Pull Handle/ REF:: 400233 & 420232

| Reference | Specification               | Remark          | Material           |
|-----------|-----------------------------|-----------------|--------------------|
| 400232    | Dia. 32mm<br>CTC: 300-550mm | Bolt<br>Through | Stainless<br>Steel |
| 420232    | Dia. 32mm<br>CTC: 300-550mm | Back to<br>Back |                    |

### Pull Handle/ REF:: 400285 & 420285

| Reference | Specification                                                  | Remark          | Material           |
|-----------|----------------------------------------------------------------|-----------------|--------------------|
| 400285    | □ 19/20/22/25/30mm<br>□ 20x30/20x40/30x15mm<br>CTC: 150-1000mm | Bolt<br>Through | Stainless<br>Steel |
| 420285    | □ 19/20/22/25/30mm<br>□ 20x30/20x40/30x15mm<br>CTC: 150-1000mm | Back to<br>Back |                    |



### Pull Handle/ REF:: 400286 & 420286

| Reference | Specification                                                  | Remark       | Material        |
|-----------|----------------------------------------------------------------|--------------|-----------------|
| 400286    | □ 19/20/22/25/30mm<br>□ 20x30/20x40/30x15mm<br>CTC: 150-1000mm | Bolt Through | Stainless Steel |
| 420286    | □ 19/20/22/25/30mm<br>□ 20x30/20x40/30x15mm<br>CTC: 150-1000mm | Back to Back |                 |

### Pull Handle/ REF:: 400301 & 480301

| Reference        | Specification                               | Remark       | Material        |
|------------------|---------------------------------------------|--------------|-----------------|
| 400301-0         | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt Through | Stainless Steel |
| 480301-0 (Solid) | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt Through |                 |



### Pull Handle on Rose/ REF:: 400301 & 480301

| Reference        | Specification                               | Remark       | Material        |
|------------------|---------------------------------------------|--------------|-----------------|
| 400301-0         | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt Through | Stainless Steel |
| 480301-0 (Solid) | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Bolt Through |                 |

### Pull Handle on Plate/ REF:: 400302 & 480302

| Reference        | Specification                               | Remark                        | Material        |
|------------------|---------------------------------------------|-------------------------------|-----------------|
| 400302-0         | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Plate size: 300 x 100 x 1.5mm | Stainless Steel |
| 480302-0 (Solid) | Dia. 19/20/22/25/30/32mm<br>CTC: 150-1000mm | Size made -to-order           |                 |

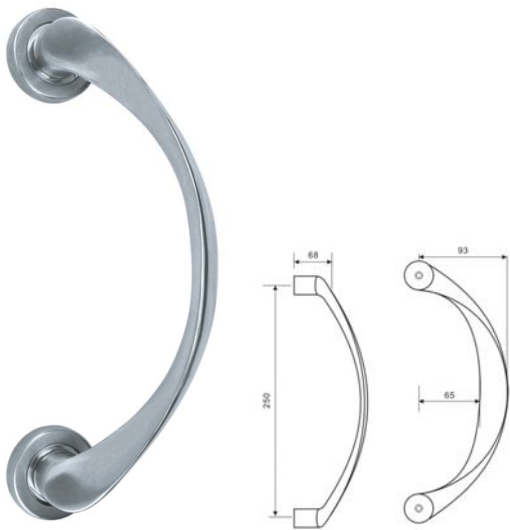


**Push Plate/** REF:: 440001

| Reference | Specification | Material                     |
|-----------|---------------|------------------------------|
| 440001    | Made-to-order | Stainless Steel/<br>Aluminum |

**Kick Plate/** REF:: 450001

| Reference | Specification | Material                     |
|-----------|---------------|------------------------------|
| 450001    | Made-to-order | Stainless Steel/<br>Aluminum |



Casting Pull Handle/ REF:: 480001

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 480001    | CTC: 250mm    | Stainless Steel |



Casting Pull Handle/ REF:: 480006

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 480006    | CTC: 250mm    | Stainless Steel |



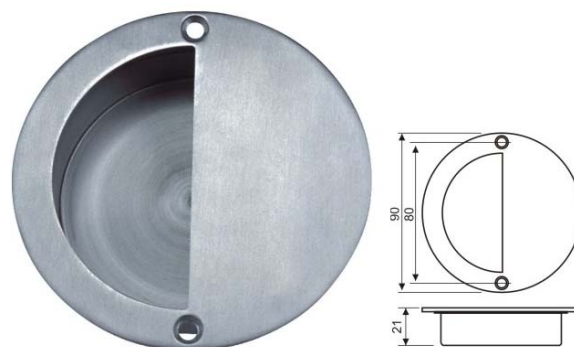
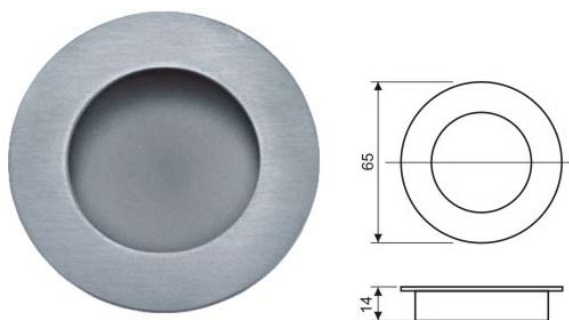
Casting Pull Handle/ REF:: 480011

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 480011    | CTC: 250mm    | Stainless Steel |



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## :: ACCESSORIES

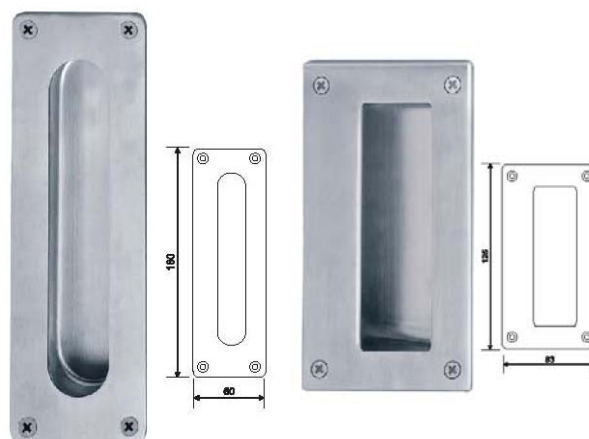
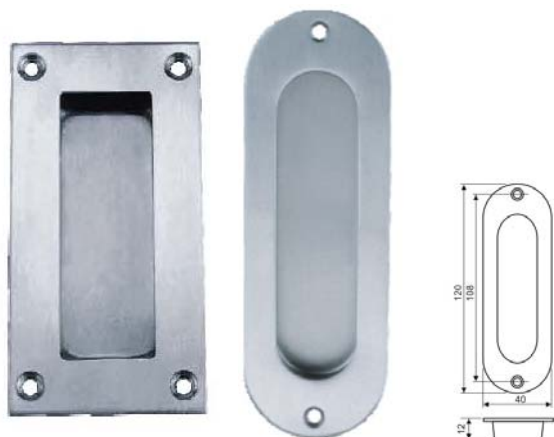


### Conceal Furniture Handle / REF:: 420010

| Reference | Specification       | Material  |
|-----------|---------------------|-----------|
| 420010/1  | Dia. 40 x 35 x 12mm | Stainless |
| 420010/2  | Dia. 50 x 40 x 14mm | Steel     |
| 420010/3  | Dia. 65 x 50 x 14mm |           |

### Conceal Furniture Handle / REF:: 420020

| Reference | Specification       | Material  |
|-----------|---------------------|-----------|
| 420020/1  | Dia. 40 x 35 x 12mm |           |
| 420020/2  | Dia. 50 x 40 x 14mm | Stainless |
| 420020/3  | Dia. 65 x 50 x 14mm | Steel     |
| 420020/4  | Dia. 90 x 70 x 21mm |           |



### Conceal Furniture Handle /

REF:: 420030 & 420040

| Reference | Specification | Remark | Material  |
|-----------|---------------|--------|-----------|
| 420030/1  | 120 x 40mm    | Round  |           |
| 420030/2  | 180 x 60mm    | Round  | Stainless |
| 420040/1  | 102 x 51mm    | Square | Steel     |
| 420040/2  | 120 x 50mm    | Square |           |
| 420040/3  | 150 x 50mm    | Square |           |

### Conceal Furniture Handle /

REF:: 420041 & 420043

| Reference | Specification | Remark | Material  |
|-----------|---------------|--------|-----------|
| 420041/1  | 120 x 50mm    | Square |           |
| 420041/2  | 150 x 50mm    | Square | Stainless |
| 420041/3  | 180 x 60mm    | Square | Steel     |
| 420043/1  | 125 x 83mm    | Square |           |

**Furniture Handle/ REF:: 431005 – 433005**

| Ref.   | Specification                 | Remark   | Material  |
|--------|-------------------------------|----------|-----------|
| 431005 | 96, 128, 160, 192, 256, 320mm | Dia.10mm | Stainless |
| 432005 | 96, 128, 160, 192, 256, 320mm | Dia.12mm | Steel     |
| 433005 | 96, 128, 160, 192, 256, 320mm | Dia.14mm |           |

**Furniture Handle/ REF:: 431006**

| Reference | Specification  | Remark   | Material        |
|-----------|----------------|----------|-----------------|
| 431006    | 96, 128, 192mm | Dia.10mm | Stainless Steel |

**Furniture Handle/ REF:: 430007 & 431007**

| Ref    | Specification                               | Remark   | Material        |
|--------|---------------------------------------------|----------|-----------------|
| 430007 | 64, 96, 128, 160, 192, 256mm                | Dia.8mm  | Stainless Steel |
| 431007 | 80, 96, 100, 125, 128, 160, 192, 256, 320mm | Dia.10mm |                 |

**Furniture Handle/ REF:: 431008**

| Reference | Specification | Remark   | Material        |
|-----------|---------------|----------|-----------------|
| 431008    | 96, 128mm     | Dia.10mm | Stainless Steel |

**Furniture Handle/ REF:: 430009**

| Reference | Specification  | Remark    | Material        |
|-----------|----------------|-----------|-----------------|
| 430009    | 80, 100, 125mm | □12 x 8mm | Stainless Steel |

**Furniture Handle/ REF:: 431010 - 438010**

| Reference | Specification | Remark     | Material        |
|-----------|---------------|------------|-----------------|
| 431010    | 96 - 320mm    | Dia.10mm   | Stainless Steel |
| 432010    | 96 - 320mm    | Dia.12mm   |                 |
| 435010    | 96 - 320mm    | □10 x 10mm |                 |
| 436010    | 96 - 320mm    | □10 x 20mm |                 |
| 437010    | 96 - 320mm    | □12 x 12mm |                 |
| 438010    | 96 - 320mm    | □15 x 15mm |                 |



**Sign Plate /** REF:: 460007

| Reference | Specification |
|-----------|---------------|
| 460007    | 76mm          |



**Sign Plate /** REF:: 460008

| Reference | Specification |
|-----------|---------------|
| 460008    | 76mm          |



**Sign Plate /** REF:: 460009

| Reference | Specification |
|-----------|---------------|
| 460009    | 76mm          |



**Sign Plate /** REF:: 460010

| Reference | Specification |
|-----------|---------------|
| 460010    | 76mm          |



**Sign Plate /** REF:: 460011

| Reference | Specification |
|-----------|---------------|
| 460011    | 76mm          |



**Sign Plate /** REF:: 460012

| Reference | Specification |
|-----------|---------------|
| 460012    | 76mm          |



**Sign Plate /** REF:: 460013

| Reference | Specification |
|-----------|---------------|
| 460013    | 76mm          |



**Sign Plate /** REF:: 460014

| Reference | Specification |
|-----------|---------------|
| 460014    | 76mm          |



**Sign Plate /** REF:: 460016

| Reference | Specification |
|-----------|---------------|
| 460016    | 76mm          |



Sign Plate/ REF:: 460023

| Reference | Specification |
|-----------|---------------|
| 460023    | 76mm          |



Sign Plate/ REF:: 460024

| Reference | Specification |
|-----------|---------------|
| 460024    | 76mm          |



Sign Plate/ REF:: 460025

| Reference | Specification |
|-----------|---------------|
| 460025    | 76mm          |



Sign Plate/ REF:: 460026

| Reference | Specification |
|-----------|---------------|
| 460026    | 76mm          |



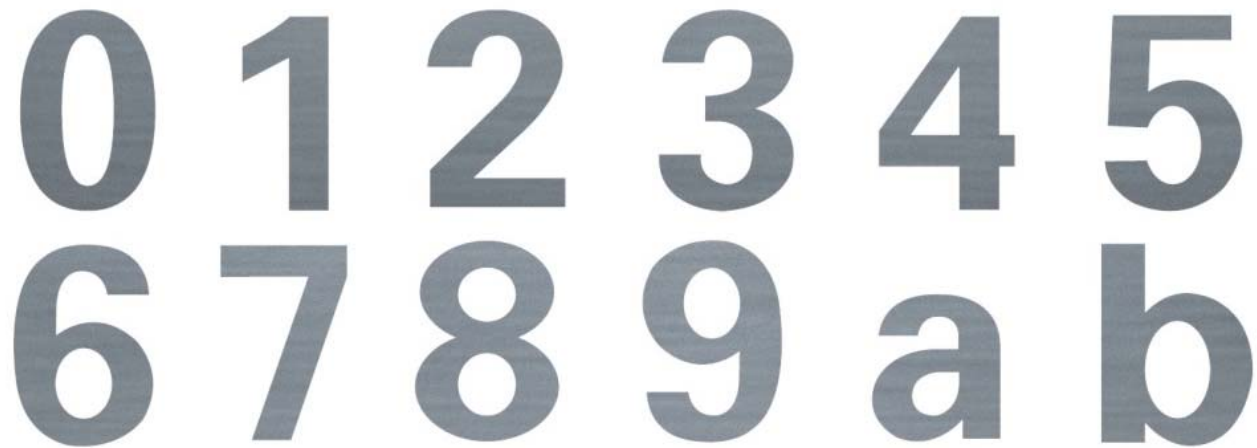
Sign Plate/ REF:: 460029

| Reference | Specification     |
|-----------|-------------------|
| 460029    | 80x80mm/100x100mm |



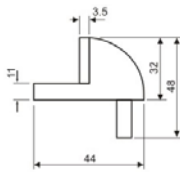
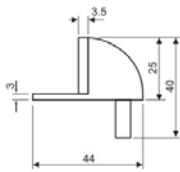
Sign Plate/ REF:: 460030

| Reference | Specification     |
|-----------|-------------------|
| 460030    | 80x80mm/100x100mm |



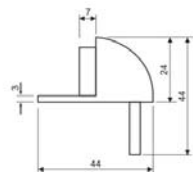
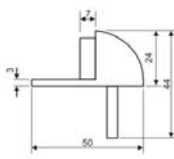
House Number/ REF:: 470000

| Reference | Specification                                                | Remark                 |
|-----------|--------------------------------------------------------------|------------------------|
| 470000/3  | 3" (Available in self adhesive/ face fixing/ conceal fixing) | 1.5mm/ 2.0mm thickness |
| 470000/4  | 4" (Available in self adhesive/ face fixing/ conceal fixing) | 1.5mm/ 2.0mm thickness |
| 470000/6  | 6" (Available in self adhesive/ face fixing/ conceal fixing) | 1.5mm/ 2.0mm thickness |



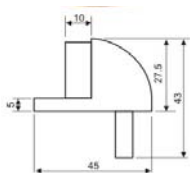
Door Stopper/ REF:: 500001

| Reference | Specification  | Material  |
|-----------|----------------|-----------|
| 500001A   | Dia. 44 x 40mm | Stainless |
| 500001B   | Dia. 44 x 48mm | Steel     |



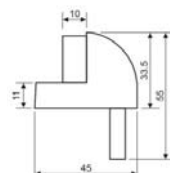
Door Stopper/ REF:: 500002

| Reference | Specification  | Material |
|-----------|----------------|----------|
| 500002A   | 50 x 44mm      | Zinc     |
| 500002B   | Dia. 44 x 44mm | Alloy    |



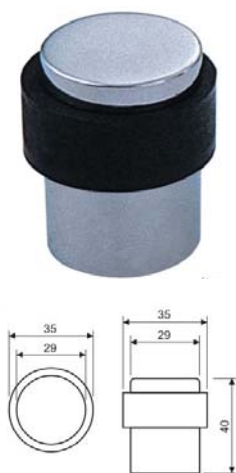
Door Stopper/ REF:: 500003

| Reference | Specification  | Material |
|-----------|----------------|----------|
| 500003    | Dia. 45 x 43mm | Brass    |

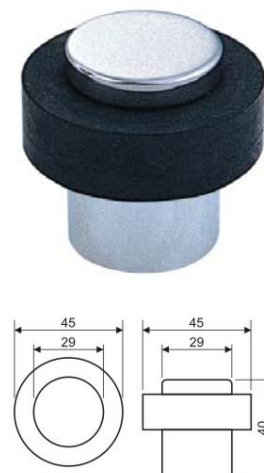


Door Stopper/ REF:: 500004

| Reference | Specification  | Material |
|-----------|----------------|----------|
| 500004    | Dia. 45 x 55mm | Brass    |

**Door Stopper/** REF:: 500005

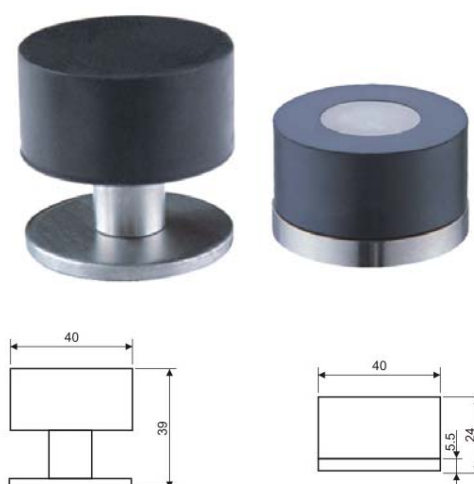
| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500005    | Dia. 29 x 40mm | Stainless Steel |

**Door Stopper/** REF:: 500006

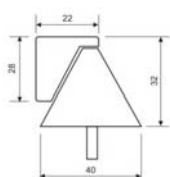
| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500006    | Dia. 29 x 40mm | Stainless Steel |

**Door Stopper/** REF:: 500007

| Reference | Specification  | Material  |
|-----------|----------------|-----------|
| 500007/1  | Dia. 29 x 40mm | Stainless |
| 500007/2  | Dia. 29 x 50mm | Steel     |

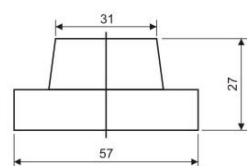
**Door Stopper/** REF:: 500008

| Reference | Specification  | Material  |
|-----------|----------------|-----------|
| 500008/1  | Dia. 40 x 39mm | Stainless |
| 500008/2  | Dia. 40 x 24mm | Steel     |



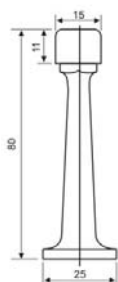
**Door Stopper/** REF:: 500010

| Reference | Specification  | Material   |
|-----------|----------------|------------|
| 500010    | Dia. 40 x 32mm | Zinc Alloy |



**Door Stopper/** REF:: 500011

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500011    | Dia. 57 x 27mm | Stainless Steel |



**Door Stopper/** REF:: 500012

| Reference | Specification  | Material   |
|-----------|----------------|------------|
| 500012    | Dia. 25 x 80mm | Zinc Alloy |

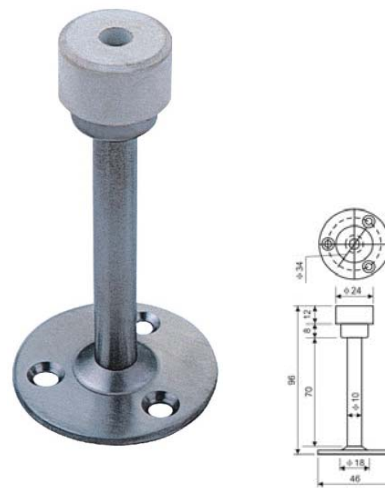


**Door Stopper/** REF:: 500021

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500021    | Dia. 45 x 96mm | Stainless Steel |

**Door Stopper/** REF:: 500022

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500022    | Dia. 50 x 82mm | Stainless Steel |

**Door Stopper/** REF:: 500023

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500023    | Dia. 46 x 96mm | Stainless Steel |

**Door Stopper/** REF:: 500024

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 500024    | 63 x 96mm     | Stainless Steel |

**Door Stopper/** REF:: 500025

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500025    | Dia. 25 x 30mm | Stainless Steel |



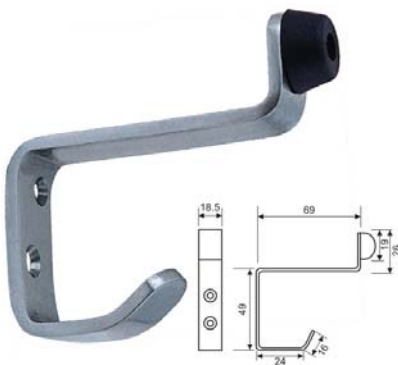
Door Stopper/ REF:: 500026

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500026    | Dia. 25 x 37mm | Stainless Steel |



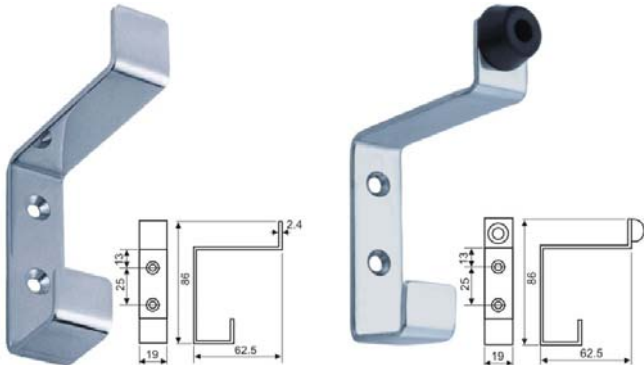
Door Stopper/ REF:: 500033

| Reference | Specification  | Material   |
|-----------|----------------|------------|
| 500033    | Dia. 32 x 75mm | Zinc Alloy |



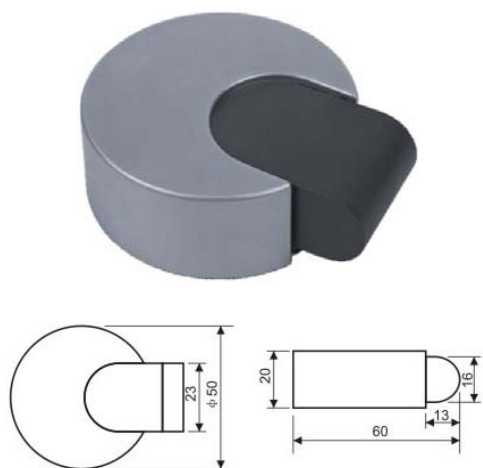
Door Stopper/ REF:: 500037

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 500037    | 49 x 69mm     | Stainless Steel |



Door Stopper/ REF:: 500039

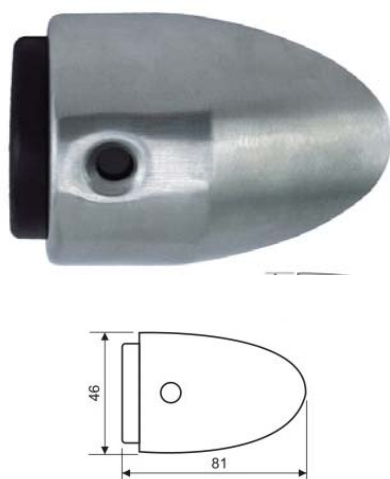
| Reference | Specification               | Material  |
|-----------|-----------------------------|-----------|
| 500039/1  | 62.5 x 86mm, without Rubber | Stainless |
| 500039/2  | 62.5 x 86mm, with Rubber    | Steel     |

**Door Stopper/** REF:: 500041

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500041    | Dia. 50 x 20mm | Stainless Steel |

**Door Stopper/** REF:: 500042

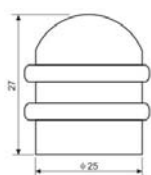
| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500042    | Dia. 47 x 14mm | Stainless Steel |

**Door Stopper/** REF:: 500059

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 500059    | 46 x 81mm     | Stainless Steel |

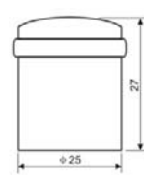
**Door Stopper/** REF:: 500060

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 500060    | Dia.25 x 27mm | Stainless Steel |



**Door Stopper/** REF:: 500062

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500062    | Dia. 25 x 27mm | Stainless Steel |



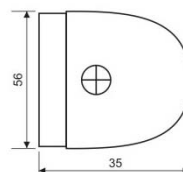
**Door Stopper/** REF:: 500063

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500063    | Dia. 25 x 27mm | Stainless Steel |



**Door Stopper/** REF:: 500069

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500069    | Dia. 50 x 50mm | Stainless Steel |



**Door Stopper/** REF:: 500070

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 500070    | 56 x 35mm     | Stainless Steel |

**Door Stopper/** REF:: 500071

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500071    | Dia. 50 x 85mm | Stainless Steel |

**Door Stopper/** REF:: 500072

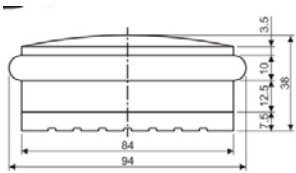
| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500072    | 76 x 90 x 74mm | Stainless Steel |

**Door Stopper/** REF:: 500073

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 500073    | Dia. 82 x 32.5mm | Stainless Steel |

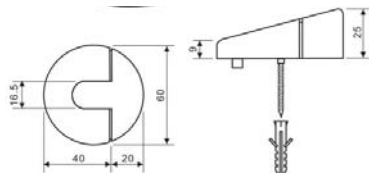
**Door Stopper/** REF:: 500074

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 500074    | Dia. 59 x 41.5mm | Stainless Steel |



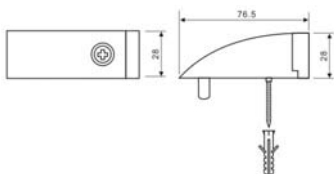
Door Stopper/ REF:: 500075

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500075    | Dia. 84 x 38mm | Stainless Steel |



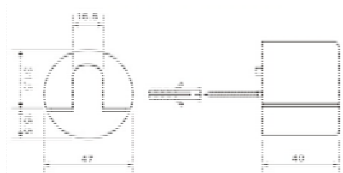
Door Stopper/ REF:: 500076

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500076    | Dia. 60 x 25mm | Stainless Steel |



Door Stopper/ REF:: 500077

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 500077    | 28 x 28 x 76.5mm | Stainless Steel |



Door Stopper/ REF:: 500078

| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500078    | Dia. 47 x 40mm | Stainless Steel |

**Door Stopper/** REF:: 500079

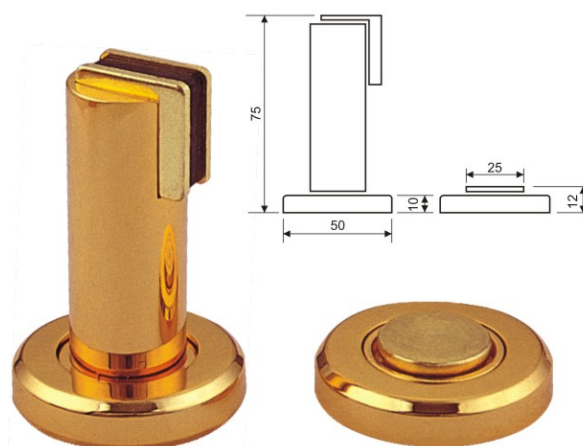
| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500079    | Dia. 40 x 23mm | Stainless Steel |

**Door Stopper/** REF:: 500084

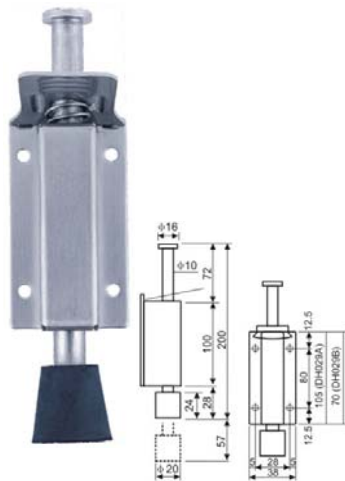
| Reference | Specification  | Material        |
|-----------|----------------|-----------------|
| 500084    | Dia. 26 x 75mm | Stainless Steel |

**Magnetic Door Stopper/** REF:: 501004

| Reference | Specification  | Material   |
|-----------|----------------|------------|
| 501004    | Dia. 45 x 88mm | Zinc Alloy |

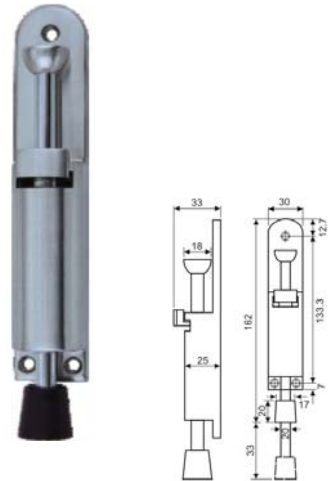
**Magnetic Door Stopper/** REF:: 501009

| Reference | Specification  | Material   |
|-----------|----------------|------------|
| 501009    | Dia. 50 x 75mm | Zinc Alloy |



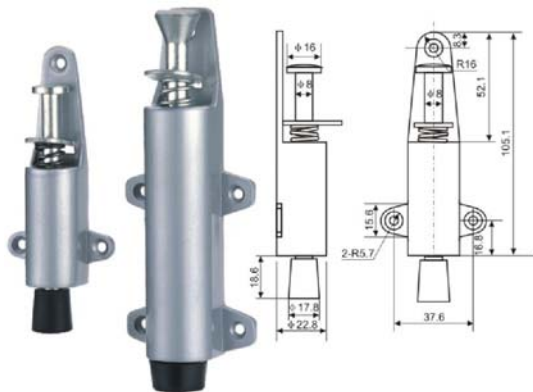
Door Holder/ REF:: 500029

| Reference | Specification | Material  |
|-----------|---------------|-----------|
| 500029/1  | 6"            | Stainless |
| 500029/2  | 8"            | Steel     |



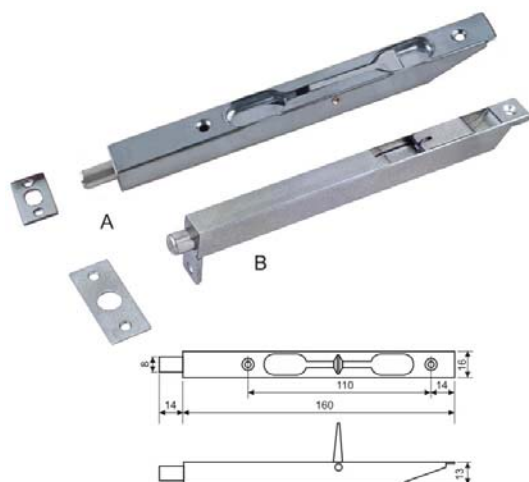
Door Holder/ REF:: 500030

| Reference | Specification | Material  |
|-----------|---------------|-----------|
| 500030/1  | 6"            | Stainless |
| 500030/2  | 8"            | Steel     |

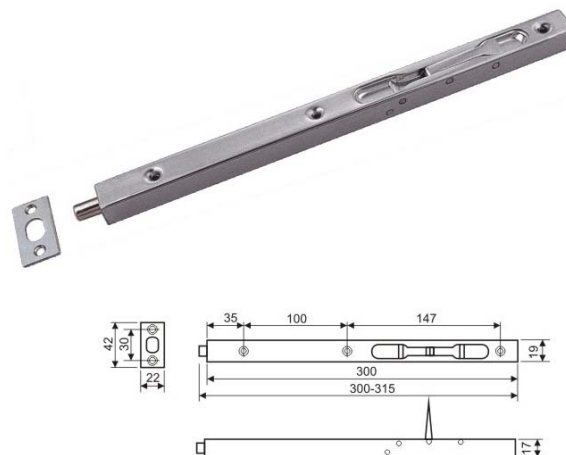


Door Holder/ REF:: 500031

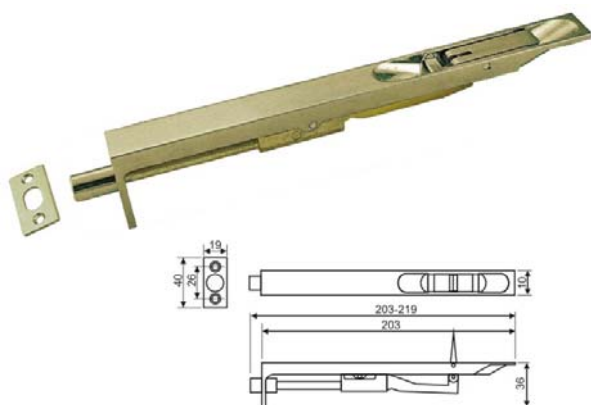
| Reference | Specification | Material  |
|-----------|---------------|-----------|
| 500031/1  | 6"            | Stainless |
| 500031/2  | 8"            | Steel     |

**Door Bolt/** REF:: 510103 & 510203

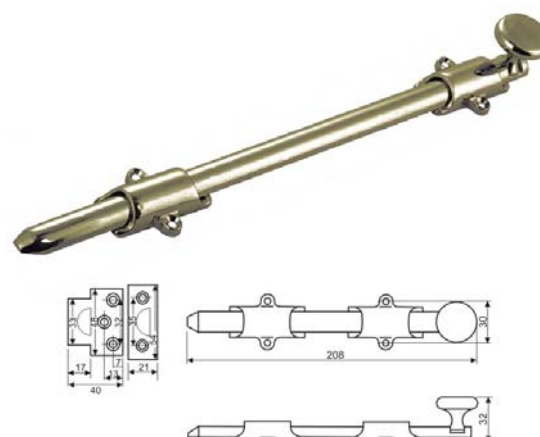
| Reference | Specification    | Material  |
|-----------|------------------|-----------|
| 510103    | 6", 8", 10", 12" | Stainless |
| 510203    | 6", 8", 10", 12" | Steel     |

**Door Bolt/** REF:: 510004

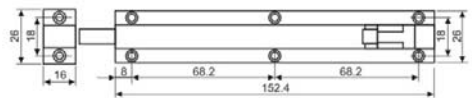
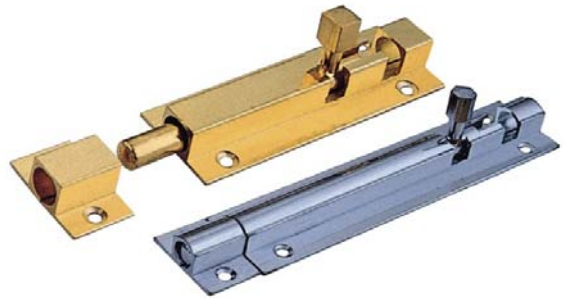
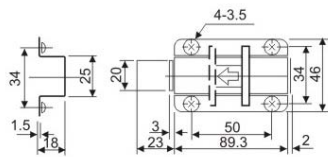
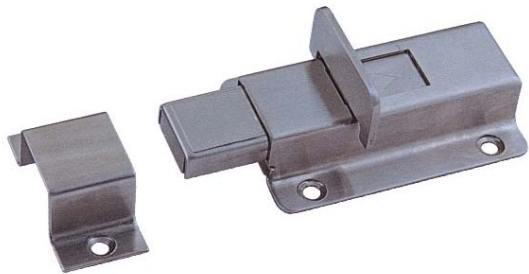
| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 510004    | 8", 10", 12"  | Stainless Steel |

**Door Bolt/** REF:: 510006

| Reference | Specification | Material   |
|-----------|---------------|------------|
| 510006    | 8"            | Zinc Alloy |

**Door Bolt/** REF:: 510007

| Reference | Specification         | Material |
|-----------|-----------------------|----------|
| 510007    | 4", 8", 12", 16", 24" | Brass    |

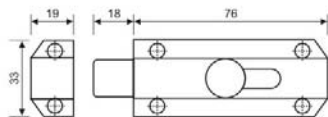


**Door Bolt/** REF:: 510009

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 510009    | Refer to drawing | Stainless Steel |

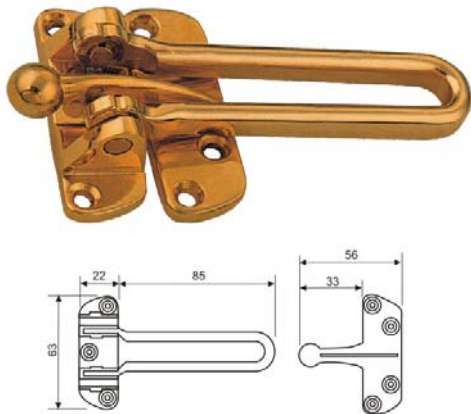
**Door Bolt/** REF:: 510015 - 510415

| Reference | Specification  | Material | Remark     |
|-----------|----------------|----------|------------|
| 510115    | Square 2"- 18" | Brass    | 1" width   |
| 510215    | Round 2"- 18"  | Brass    | 1" width   |
| 510315    | Square 4"- 18" | Brass    | 1.5" width |
| 510415    | Round 4"- 18"  | Brass    | 1.5" width |



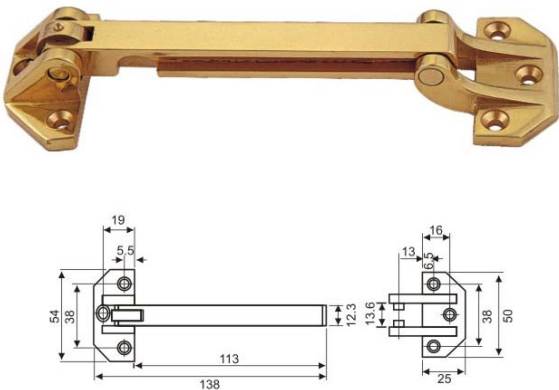
**Door Bolt/** REF:: 510017

| Reference | Specification  | Material |
|-----------|----------------|----------|
| 510017    | 2", 3", 4", 6" | Brass    |



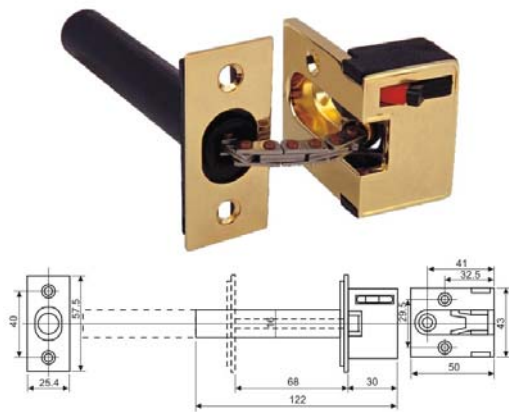
Door Guard/ REF:: 520010

| Reference | Specification    | Material                       |
|-----------|------------------|--------------------------------|
| 520010    | Refer to drawing | Stainless Steel/<br>Zinc Alloy |



Door Guard/ REF:: 520030

| Reference | Specification    | Material |
|-----------|------------------|----------|
| 520030    | Refer to drawing | Brass    |



Door Guard/ REF:: 520040

| Reference | Specification    | Material   |
|-----------|------------------|------------|
| 520040    | Refer to drawing | Zinc Alloy |



Door Guard/ REF:: 520051

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 520051    | Refer to drawing | Stainless Steel |



Dust Proof Socket/ REF:: 530001

| Reference | Specification           | Material |
|-----------|-------------------------|----------|
| 530001    | Dia. 9/11/13/15/20/23mm | Brass    |



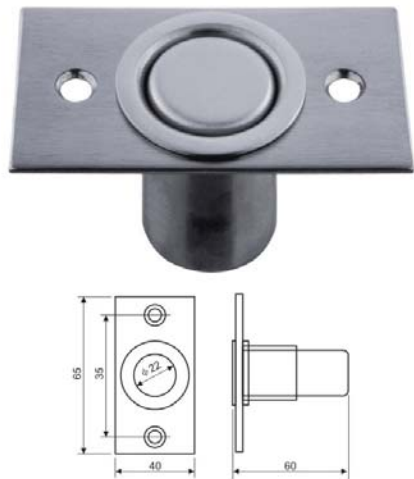
Dust Proof Socket/ REF:: 530003

| Reference | Specification               | Material        |
|-----------|-----------------------------|-----------------|
| 530003    | Dia. 13/19 x Dia. 25 x 39mm | Stainless Steel |



Dust Proof Socket/ REF:: 530004

| Reference | Specification               | Material        |
|-----------|-----------------------------|-----------------|
| 530004    | Dia. 13/19 x Dia. 25 x 39mm | Stainless Steel |



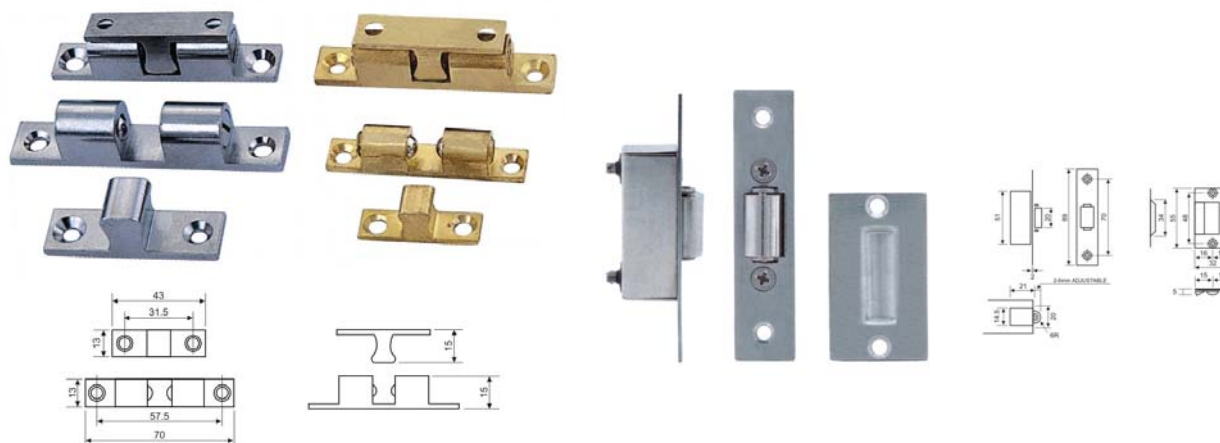
Dust Proof Socket/ REF:: 530005

| Reference | Specification            | Material        |
|-----------|--------------------------|-----------------|
| 530005    | Dia. 22 x 65 x 40 x 60mm | Stainless Steel |



### Door Viewer/ REF:: 540200

| Reference | Specification                                             | Material | Remark                     |
|-----------|-----------------------------------------------------------|----------|----------------------------|
| 540200/1  | Dia. 12mm, 160 degree, 30-50mm/ 35-60mm                   | Brass    | PVC/ Glass Len             |
| 540200/2  | Dia. 14mm, 180 degree, 30-50mm/ 35-60mm/ 42-65mm/ 50-85mm | Brass    | PVC/ Glass Len             |
| 540200/3  | Dia. 16mm, 200 degree, 30-50mm/ 35-60mm/ 42-65mm/ 50-85mm | Brass    | PVC/ Glass Len             |
| 540200/4  | Dia. 12mm, 160 degree, 30-50mm/ 35-60mm                   | Brass    | PVC/ Glass Len, with Cover |
| 540200/5  | Dia. 14mm, 180 degree, 30-50mm/ 35-60mm/ 42-65mm/ 50-85mm | Brass    | PVC/ Glass Len, with Cover |
| 540200/6  | Dia. 16mm, 200 degree, 30-50mm/ 35-60mm/ 42-65mm/ 50-85mm | Brass    | PVC/ Glass Len, with Cover |

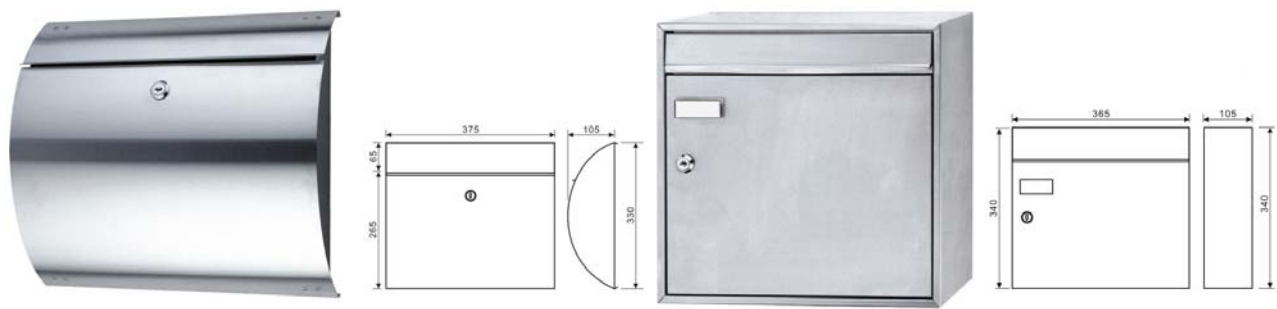


### Ball Catcher/ REF:: 550001

| Reference | Specification    | Material |
|-----------|------------------|----------|
| 550001    | 43, 50, 60, 70mm | Brass    |

### Ball Catcher/ REF:: 550002

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 550002    | Refer to drawing | Stainless Steel |



Mail Box/ REF:: 560002

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 560002    | Refer to drawing | Stainless Steel |

Mail Box/ REF:: 560003

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 560003    | Refer to drawing | Stainless Steel |

ACCESSORIES

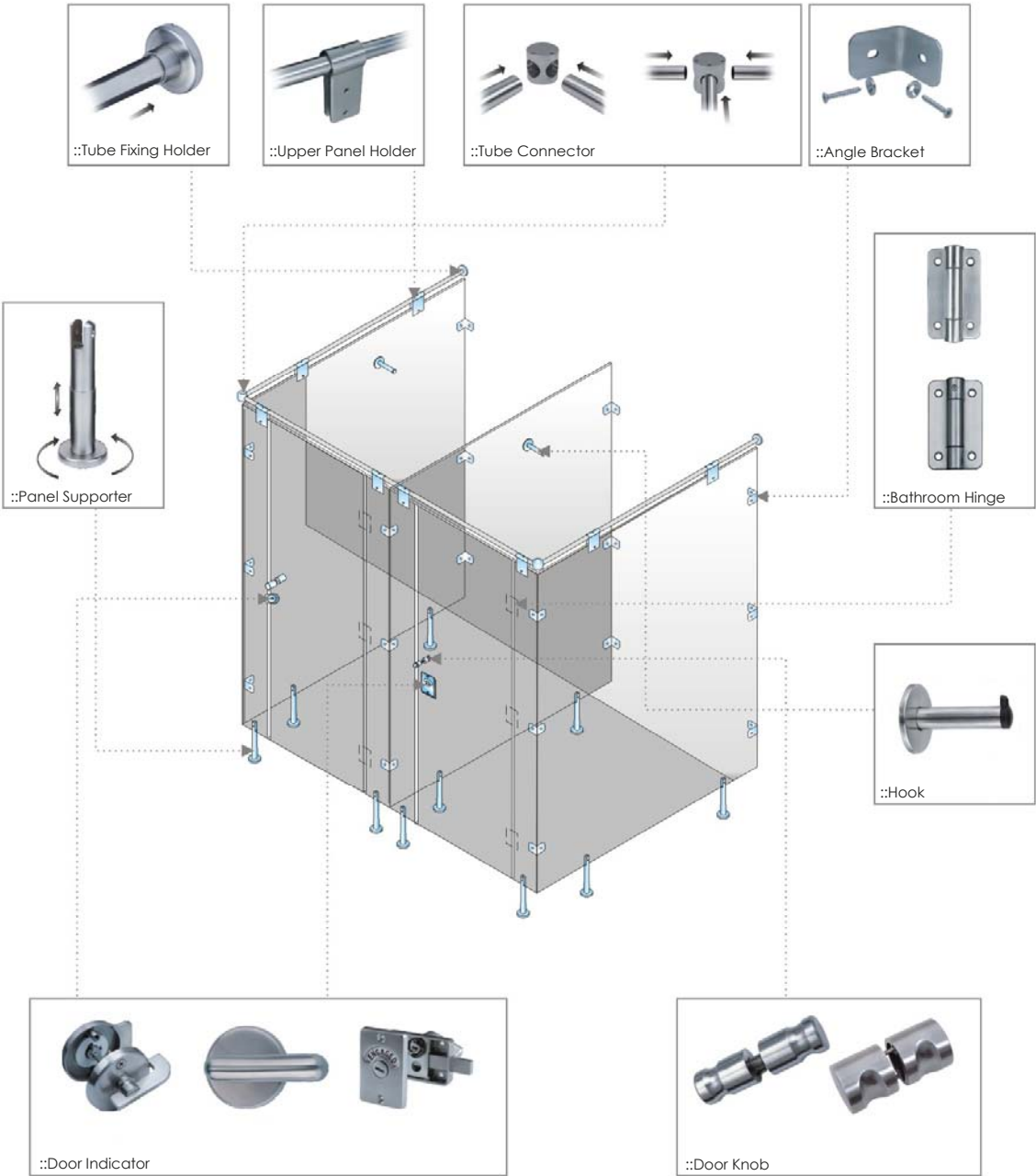


Mail Box/ REF:: 560005

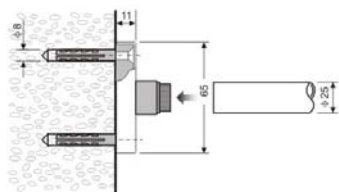
| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 560005    | Refer to drawing | Stainless Steel |

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# **::BATHROOM / KITCHEN FITTINGS**



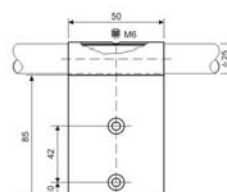
**::Bathroom Cubicles & Partition Fittings**



### Tube Fixing Holder/ REF:: 600001

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 600001    | Refer to drawing | Stainless Steel |

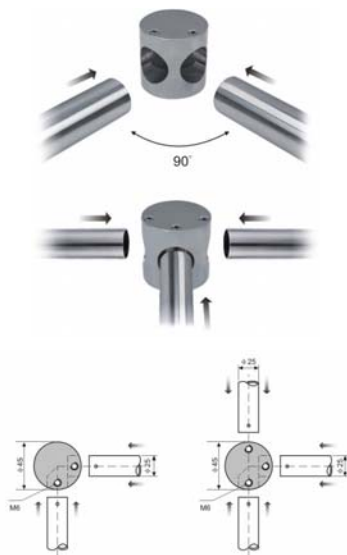
To use:: To mount the holder on the wall at desired height, inserted by press the tube into the core of the holder. Rotate the tube to adjust space.



### Upper Panel Holder/ REF:: 600002

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 600002    | Refer to drawing | Stainless Steel |

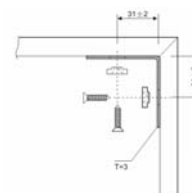
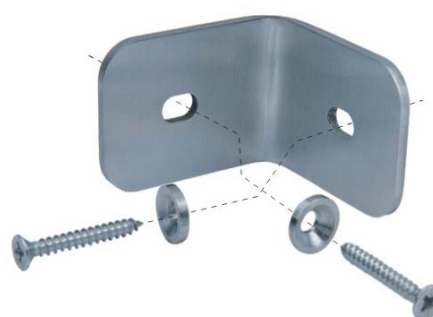
To use:: After holding the panel with screws, slid it over the upper tube to the place desired and fix it by screws. The thickness of the panel held is 14mm.



### Tube Connector/ REF:: 600003

| Reference | Specification             | Material  |
|-----------|---------------------------|-----------|
| 600003/1  | 90 degree tube connector  | Stainless |
| 600003/2  | 180 degree tube connector | Steel     |

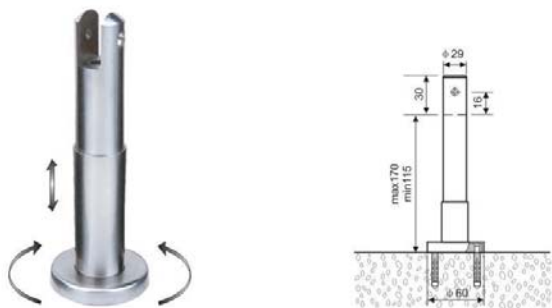
To use:: Insert the Dia. 25mm tubes into the 90/ 180 degree connector and fix them with the M6 grub screws.



### Angle Bracket/ REF:: 600004

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 600004    | 40 x 40 x 3mm | Stainless Steel |

To use:: Using the angle bracket to connect the dividing panels between them or to connect the panels to the wall. Fix the angle bracket to the panel or the wall by screws with shaped washers.



**Panel Supporter/** REF:: 600005

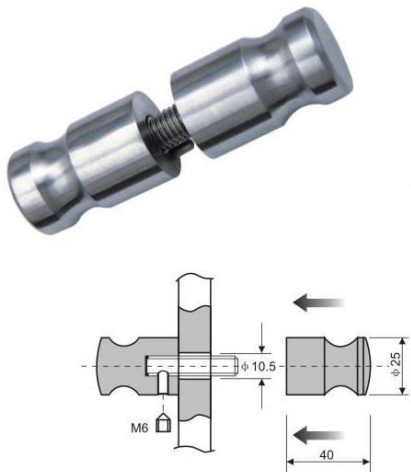
| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 600005    | Panel 10.5, 13mm | Stainless Steel |

To use:: Mount the supporter on the floor. The height of the supporter can be adjusted by rotating. After supporting the panel, fix it by screws supplied.



**Hook/** REF:: 600006

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 600006    | Refer to drawing | Stainless Steel |



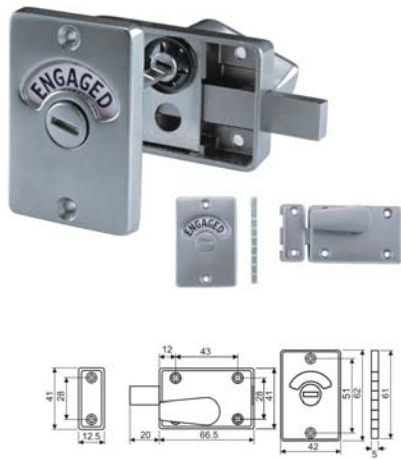
**Door Knob/** REF:: 600007

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 600007    | Refer to drawing | Stainless Steel |



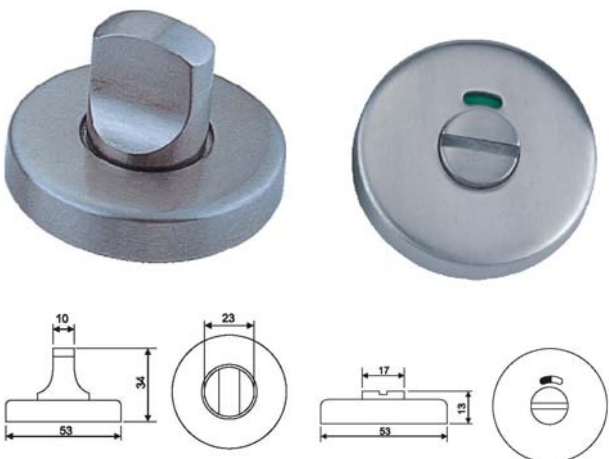
**Door Knob/** REF:: 600008

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 600008    | Refer to drawing | Stainless Steel |



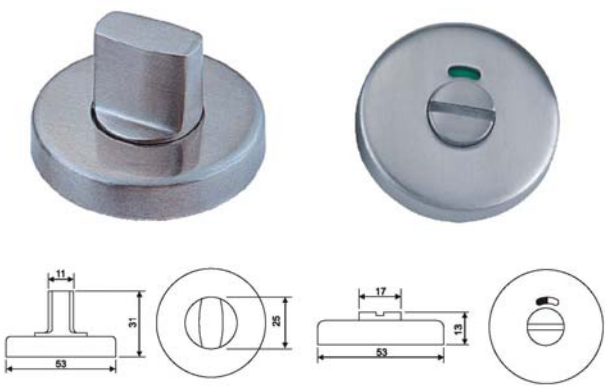
**Door Indicator/ REF:: 901000**

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901000    | Refer to drawing | Stainless Steel |



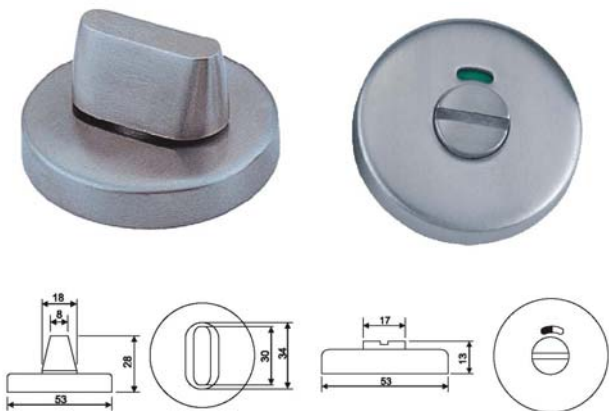
**Door Indicator/ REF:: 901001**

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901001    | Refer to drawing | Stainless Steel |



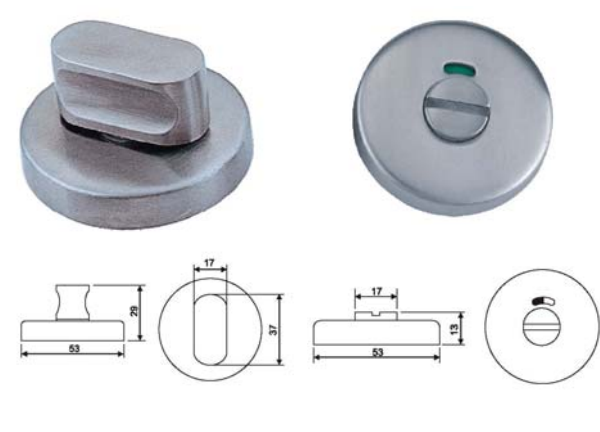
**Door Indicator/ REF:: 901002**

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901002    | Refer to drawing | Stainless Steel |



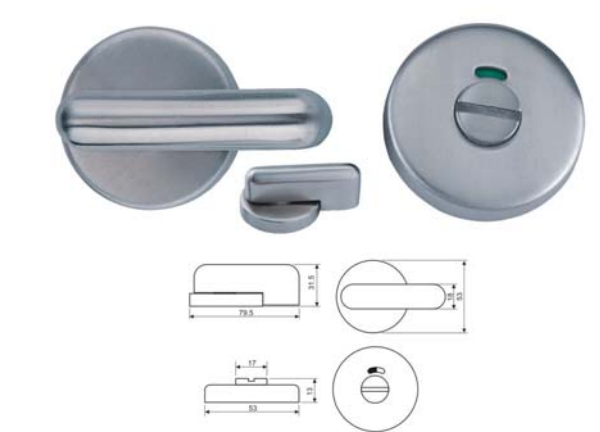
**Door Indicator/ REF:: 901005**

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901005    | Refer to drawing | Stainless Steel |



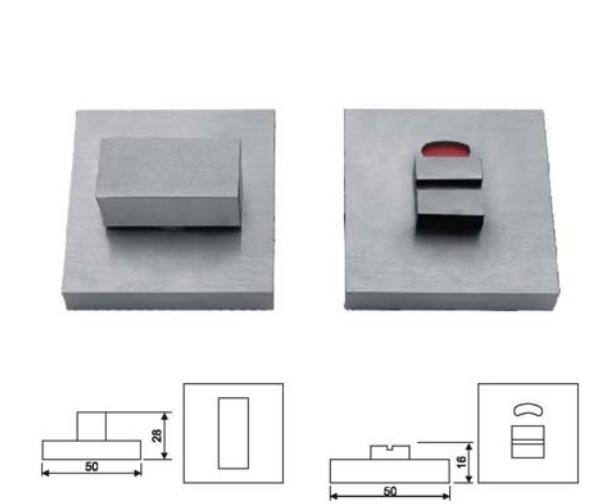
Door Indicator/ REF:: 901006

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901006    | Refer to drawing | Stainless Steel |



Door Indicator/ REF:: 901007

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901007    | Refer to drawing | Stainless Steel |



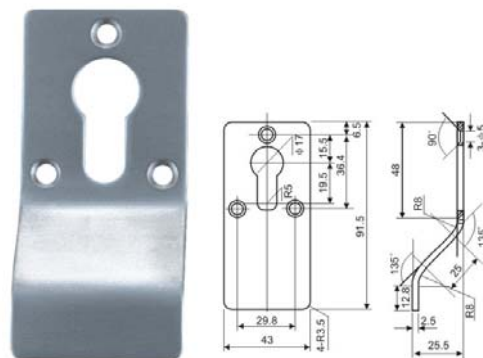
Door Indicator/ REF:: 901008

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901008    | Refer to drawing | Stainless Steel |



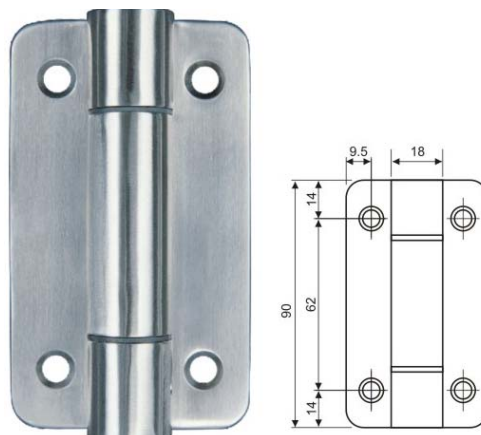
Door Indicator/ REF:: 901010

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 901010    | Refer to drawing | Stainless Steel |



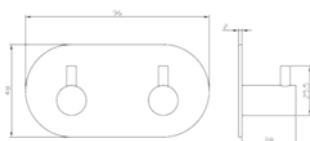
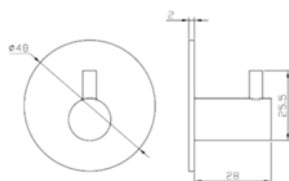
# Cylinder Pull/ REF:: 902001

| Reference | Specification    | Material        |
|-----------|------------------|-----------------|
| 902001    | Refer to drawing | Stainless Steel |



**Bathroom Hinge** (Without Spring) / REF:: 109302

| Reference | Specification | Material        |
|-----------|---------------|-----------------|
| 109302    | 90 x 52 x 2mm | Stainless Steel |



**Clothes Hook/** REF:: 621101

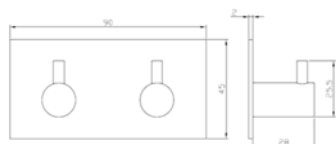
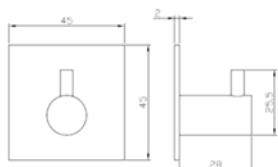
| Ref.     | Spec.   | Finishing | Material  |
|----------|---------|-----------|-----------|
| 621101/1 |         | White     |           |
| 621101/2 | Dia. 48 | Black     | Stainless |
| 621101/3 | x 2mm   | Satin     | Steel     |
| 621101/4 |         | Polished  |           |

**Clothes Hook/** REF:: 621102

| Ref.     | Spec.   | Finishing | Material  |
|----------|---------|-----------|-----------|
| 621102/1 |         | White     |           |
| 621102/2 | 96 x 48 | Black     | Stainless |
| 621102/3 | x 2mm   | Satin     | Steel     |
| 621102/4 |         | Polished  |           |

**Clothes Hook/** REF:: 621103

| Ref.     | Spec.    | Finishing | Material  |
|----------|----------|-----------|-----------|
| 621103/1 |          | White     |           |
| 621103/2 | 192 x 48 | Black     | Stainless |
| 621103/3 | x 2mm    | Satin     | Steel     |
| 621103/4 |          | Polished  |           |



**Clothes Hook/** REF:: 621105

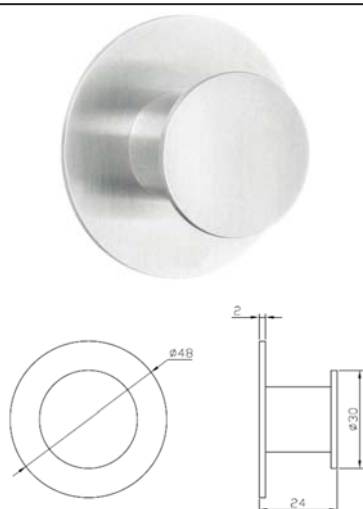
| Ref.     | Spec.   | Finishing | Material  |
|----------|---------|-----------|-----------|
| 621105/1 |         | White     |           |
| 621105/2 | 45 x 45 | Black     | Stainless |
| 621105/3 | mm      | Satin     | Steel     |
| 621105/4 |         | Polished  |           |

**Clothes Hook/** REF:: 621106

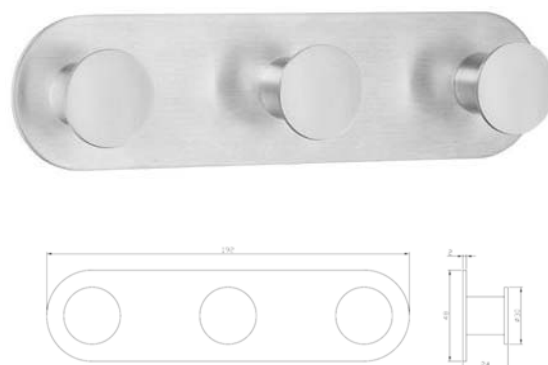
| Ref.     | Spec.   | Finishing | Material  |
|----------|---------|-----------|-----------|
| 621106/1 |         | White     |           |
| 621106/2 | 90 x 45 | Black     | Stainless |
| 621106/3 | x 2mm   | Satin     | Steel     |
| 621106/4 |         | Polished  |           |

**Clothes Hook/** REF:: 621107

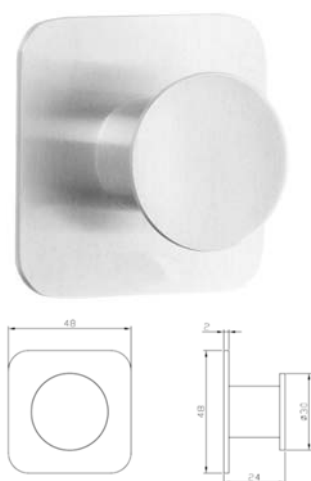
| Ref.     | Spec.    | Finishing | Material  |
|----------|----------|-----------|-----------|
| 621107/1 |          | White     |           |
| 621107/2 | 180 x 45 | Black     | Stainless |
| 621107/3 | x 2mm    | Satin     | Steel     |
| 621107/4 |          | Polished  |           |

**Clothes Hook/ REF:: 621111**

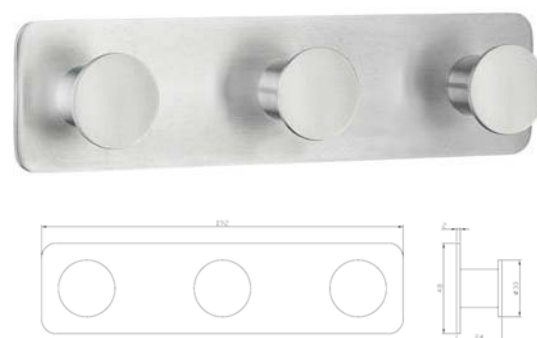
| Reference | Specification | Finishing | Material        |
|-----------|---------------|-----------|-----------------|
| 621111/1  | Dia. 48 x 2mm | White     | Stainless Steel |
| 621111/2  | Dia. 48 x 2mm | Black     |                 |
| 621111/3  | Dia. 48 x 2mm | Satin     |                 |
| 621111/4  | Dia. 48 x 2mm | Polished  |                 |

**Clothes Hook/ REF:: 621113**

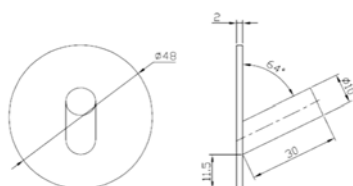
| Reference | Specification  | Finishing | Material        |
|-----------|----------------|-----------|-----------------|
| 621113/1  | 192 x 48 x 2mm | White     | Stainless Steel |
| 621113/2  | 192 x 48 x 2mm | Black     |                 |
| 621113/3  | 192 x 48 x 2mm | Satin     |                 |
| 621113/4  | 192 x 48 x 2mm | Polished  |                 |

**Clothes Hook/ REF:: 621115**

| Reference | Specification | Finishing | Material        |
|-----------|---------------|-----------|-----------------|
| 621115/1  | 48 x 48 x 2mm | White     | Stainless Steel |
| 621115/2  | 48 x 48 x 2mm | Black     |                 |
| 621115/3  | 48 x 48 x 2mm | Satin     |                 |
| 621115/4  | 48 x 48 x 2mm | Polished  |                 |

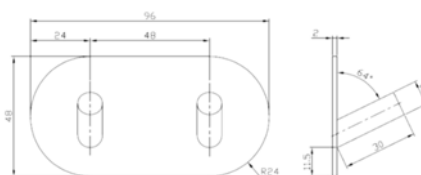
**Clothes Hook/ REF:: 621117**

| Reference | Specification  | Finishing | Material        |
|-----------|----------------|-----------|-----------------|
| 621117/1  | 192 x 48 x 2mm | White     | Stainless Steel |
| 621117/2  | 192 x 48 x 2mm | Black     |                 |
| 621117/3  | 192 x 48 x 2mm | Satin     |                 |
| 621117/4  | 192 x 48 x 2mm | Polished  |                 |



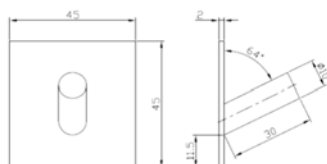
**Clothes Hook/** REF:: 621090

| Reference | Specification | Finishing | Material  |
|-----------|---------------|-----------|-----------|
| 621090/1  | Dia. 48 x 2mm | White     | Stainless |
| 621090/2  | Dia. 48 x 2mm | Black     |           |
| 621090/3  | Dia. 48 x 2mm | Satin     | Steel     |
| 621090/4  | Dia. 48 x 2mm | Polished  |           |



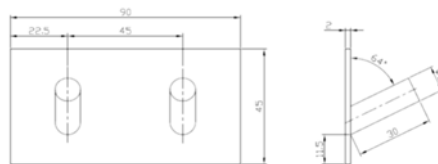
**Clothes Hook/** REF:: 621091

| Reference | Specification | Finishing | Material  |
|-----------|---------------|-----------|-----------|
| 621091/1  | 96 x 48 x 2mm | White     | Stainless |
| 621091/2  | 96 x 48 x 2mm | Black     |           |
| 621091/3  | 96 x 48 x 2mm | Satin     | Steel     |
| 621091/4  | 96 x 48 x 2mm | Polished  |           |



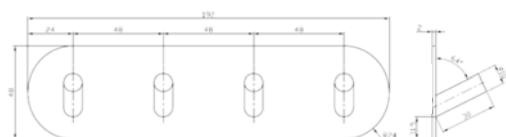
**Clothes Hook/** REF:: 621092

| Reference | Specification | Finishing | Material  |
|-----------|---------------|-----------|-----------|
| 621092/01 | 45 x 45 x 2mm | White     | Stainless |
| 621092/02 | 45 x 45 x 2mm | Black     |           |
| 621092/03 | 45 x 45 x 2mm | Satin     | Steel     |
| 621092/04 | 45 x 45 x 2mm | Polished  |           |



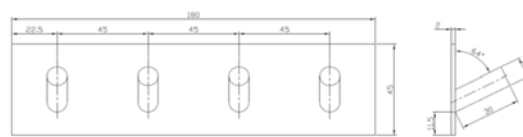
**Clothes Hook/** REF:: 621093

| Reference | Specification | Finishing | Material  |
|-----------|---------------|-----------|-----------|
| 621093/1  | 90 x 45 x 2mm | White     | Stainless |
| 621093/2  | 90 x 45 x 2mm | Black     |           |
| 621093/3  | 90 x 45 x 2mm | Satin     | Steel     |
| 621093/4  | 90 x 45 x 2mm | Polished  |           |



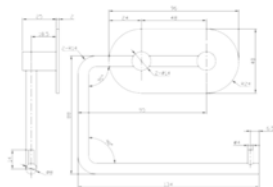
### Clothes Hook/ REF:: 621094

| Reference | Specification  | Finishing | Material  |
|-----------|----------------|-----------|-----------|
| 621094/1  | 192 x 48 x 2mm | White     | Stainless |
| 621094/2  | 192 x 48 x 2mm | Black     |           |
| 621094/3  | 192 x 48 x 2mm | Satin     | Steel     |
| 621094/4  | 192 x 48 x 2mm | Polished  |           |



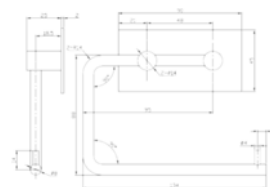
### Clothes Hook/ REF:: 621096

| Reference | Specification  | Finishing | Material  |
|-----------|----------------|-----------|-----------|
| 621096/1  | 180 x 45 x 2mm | White     | Stainless |
| 621096/2  | 180 x 45 x 2mm | Black     |           |
| 621096/3  | 180 x 45 x 2mm | Satin     | Steel     |
| 621096/4  | 180 x 45 x 2mm | Polished  |           |



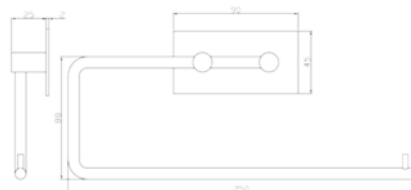
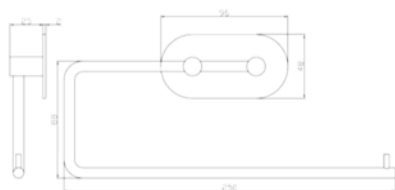
### Toilet Roll Holder/ REF:: 631097

| Reference | Specification | Finishing | Material  |
|-----------|---------------|-----------|-----------|
| 631097/1  | 96 x 48 x 2mm | White     | Stainless |
| 631097/2  | 96 x 48 x 2mm | Black     |           |
| 631097/3  | 96 x 48 x 2mm | Satin     | Steel     |
| 631097/4  | 96 x 48 x 2mm | Polished  |           |



### Toilet Roll Holder/ REF:: 631098

| Reference | Specification | Finishing | Material  |
|-----------|---------------|-----------|-----------|
| 631098/1  | 90 x 45 x 2mm | White     | Stainless |
| 631098/2  | 90 x 45 x 2mm | Black     |           |
| 631098/3  | 90 x 45 x 2mm | Satin     | Steel     |
| 631098/4  | 90 x 45 x 2mm | Polished  |           |

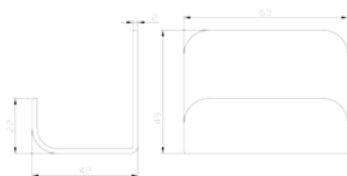


### Kitchen Roll Holder/ REF:: 632197

| Reference | Specification | Finishing | Material        |
|-----------|---------------|-----------|-----------------|
| 632197/1  | 96 x 48 x 2mm | White     | Stainless Steel |
| 632197/2  | 96 x 48 x 2mm | Black     |                 |
| 632197/3  | 96 x 48 x 2mm | Satin     |                 |
| 632197/4  | 96 x 48 x 2mm | Polished  |                 |

### Kitchen Roll Holder/ REF:: 632198

| Reference | Specification | Finishing | Material        |
|-----------|---------------|-----------|-----------------|
| 632198/1  | 90 x 45 x 2mm | White     | Stainless Steel |
| 632198/2  | 90 x 45 x 2mm | Black     |                 |
| 632198/3  | 90 x 45 x 2mm | Satin     |                 |
| 632198/4  | 90 x 45 x 2mm | Polished  |                 |

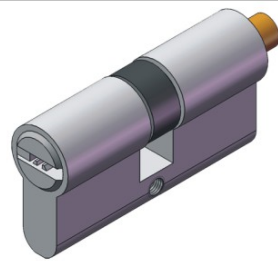


### Cell Phone Holder/ REF:: 641181

| Reference | Specification  | Finishing | Material        |
|-----------|----------------|-----------|-----------------|
| 641181/3  | 65 x 49 x 42mm | Satin     | Stainless Steel |
| 641181/4  | 65 x 49 x 42mm | Polished  |                 |

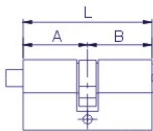
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**::LOCKS/ CYLINDERS**

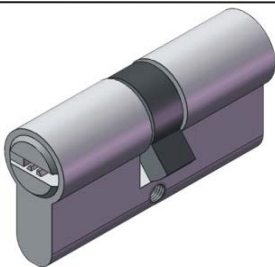


Cylinder with Thumb Turn

REF:: 710103  
Material:: Brass

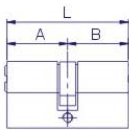


| Reference | Length | A  | B  |
|-----------|--------|----|----|
| 710103/1  | 60mm   | 30 | 30 |
| 710103/2  | 65mm   | 30 | 35 |
| 710103/3  | 70mm   | 35 | 35 |
| 710103/4  | 80mm   | 40 | 40 |
| 710103/5  | 90mm   | 45 | 45 |
| 710103/6  | 100mm  | 50 | 50 |
| 710103/7  | 110mm  | 55 | 55 |
| 710103/8  | 120mm  | 60 | 60 |

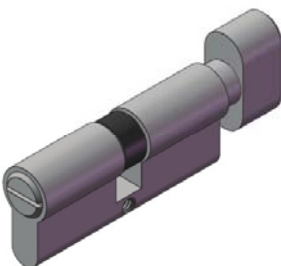


Double Open with Key Cylinder

REF:: 710106  
Material:: Brass

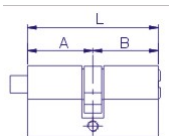


| Reference | Length | A  | B  |
|-----------|--------|----|----|
| 710106/1  | 60mm   | 30 | 30 |
| 710106/2  | 65mm   | 30 | 35 |
| 710106/3  | 70mm   | 35 | 35 |
| 710106/4  | 80mm   | 40 | 40 |
| 710106/5  | 90mm   | 45 | 45 |
| 710106/6  | 100mm  | 50 | 50 |
| 710106/7  | 110mm  | 55 | 55 |
| 710106/8  | 120mm  | 60 | 60 |

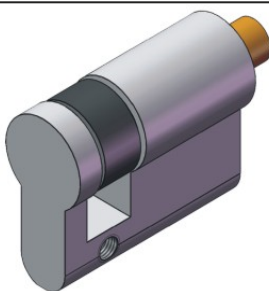


Privacy Thumb Turn Cylinder  
(without Key Function)

REF:: 710110  
Material:: Brass

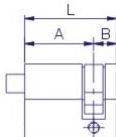


| Reference | Length | A  | B  |
|-----------|--------|----|----|
| 710110/1  | 60mm   | 30 | 30 |
| 710110/2  | 65mm   | 30 | 35 |
| 710110/3  | 70mm   | 35 | 35 |
| 710110/4  | 80mm   | 40 | 40 |
| 710110/5  | 90mm   | 45 | 45 |
| 710110/6  | 100mm  | 50 | 50 |
| 710110/7  | 110mm  | 55 | 55 |
| 710110/8  | 120mm  | 60 | 60 |

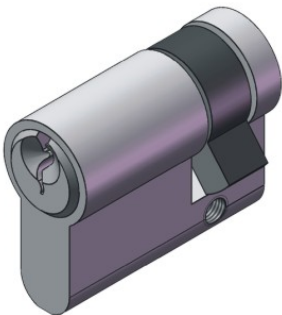


Offset Cylinder with Thumb Turn (without Key Function)

REF:: 710111  
Material:: Brass

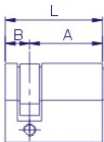


| Reference | Length | A  | B  |
|-----------|--------|----|----|
| 710111/1  | 40mm   | 30 | 10 |
| 710111/2  | 45mm   | 35 | 10 |
| 710111/3  | 50mm   | 40 | 10 |



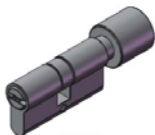
**Offset Cylinder with Key  
(without Thumb Turn)**

REF:: 710112  
Material:: Brass

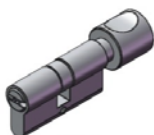


| Reference | Length | A  | B  |
|-----------|--------|----|----|
| 710112/1  | 40mm   | 30 | 10 |
| 710112/2  | 45mm   | 35 | 10 |
| 710112/3  | 50mm   | 40 | 10 |

**::Optional Thumb Turn Types**



REF:: 711103



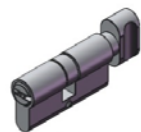
REF:: 712103



REF:: 713103



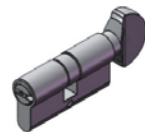
REF:: 714103



REF:: 715103



REF:: 716103

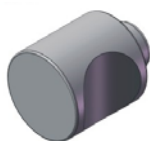


REF:: 717103

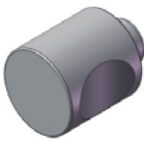
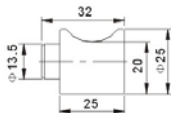


REF:: 718103

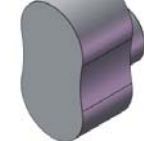
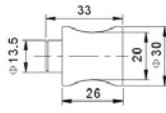
**::Turn Knob Designs and Dimensions**



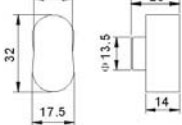
01



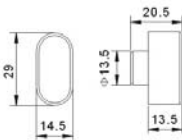
02



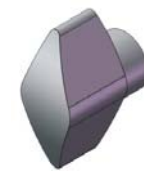
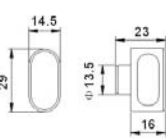
03



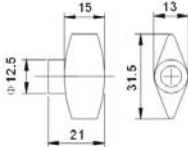
04



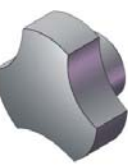
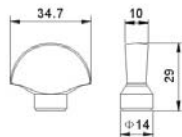
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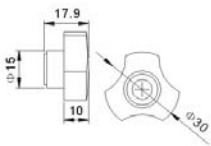
06



07

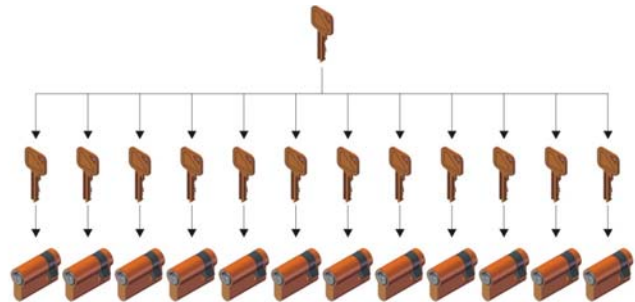


08



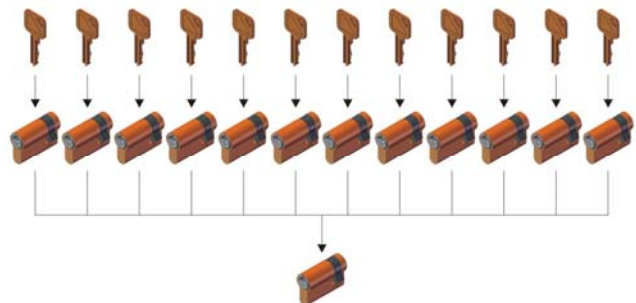
### Company Lock Set

:: Master key can open all doors, and each general key can open its corresponding door.



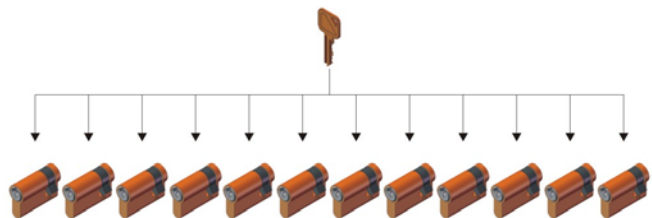
### Dormitory Lock Set

:: Each key can open its corresponding and public doors.



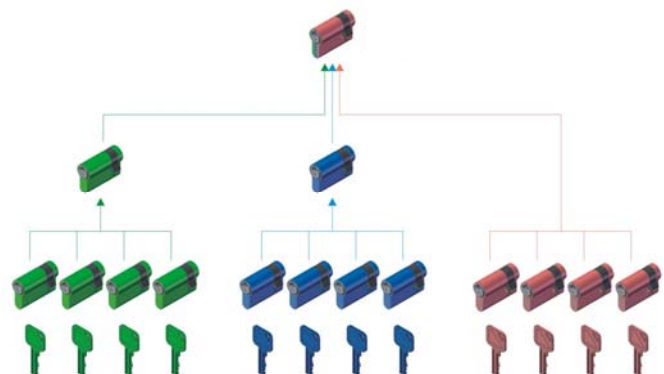
### Engineering Lock Set

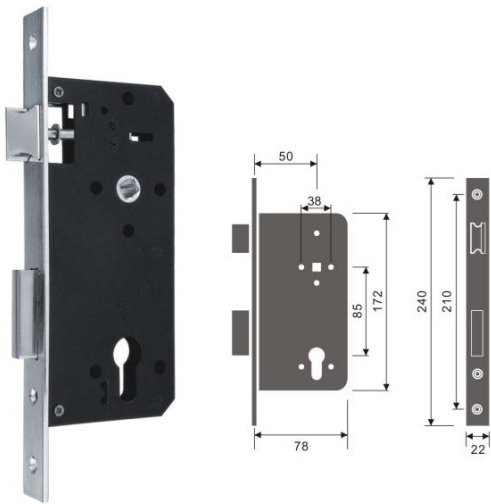
:: Each key can open all doors.



### Flat Lock Set

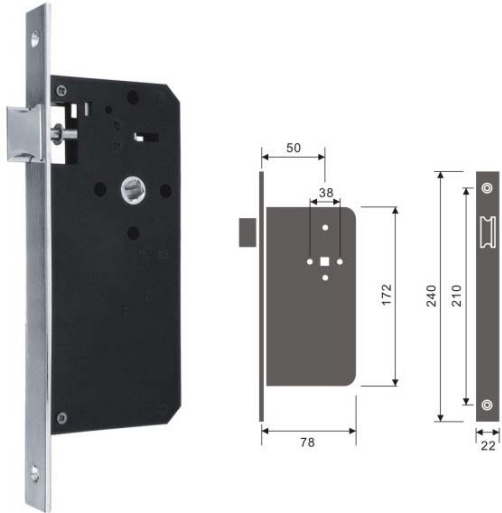
:: Each key can open its corresponding door, branch public doors and system public doors.





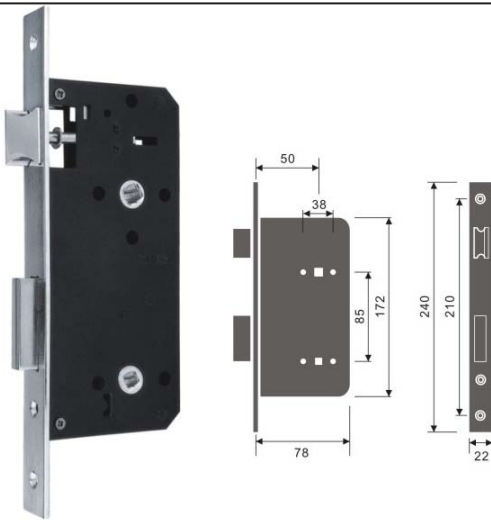
Mortise Door Lock/ REF:: 700001

| Reference | Specification                                         | Material |
|-----------|-------------------------------------------------------|----------|
| 700001    | CTC: 72/85mm<br>Backset: 30, 35, 40, 45, 50, 55, 60mm | Steel    |



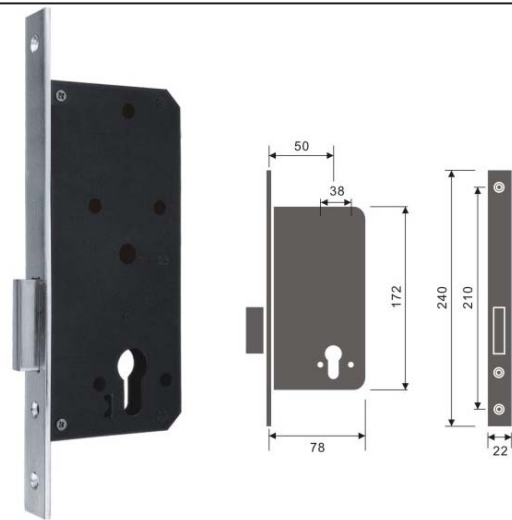
Mortise Door Lock/ REF:: 700002

| Reference | Specification                         | Material |
|-----------|---------------------------------------|----------|
| 700002    | Backset: 30, 35, 40, 45, 50, 55, 60mm | Steel    |



Mortise Door Lock/ REF:: 700003

| Reference | Specification                                         | Material |
|-----------|-------------------------------------------------------|----------|
| 700003    | CTC: 72/85mm<br>Backset: 30, 35, 40, 45, 50, 55, 60mm | Steel    |



Mortise Door Lock/ REF:: 700004

| Reference | Specification                         | Material |
|-----------|---------------------------------------|----------|
| 700004    | Backset: 30, 35, 40, 45, 50, 55, 60mm | Steel    |

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## ::Finishing Index

|                                                                                     |            |          |                                 |
|-------------------------------------------------------------------------------------|------------|----------|---------------------------------|
|    | <b>SSS</b> | <b>S</b> | Satin Stainless Steel           |
|    | <b>PSS</b> | <b>M</b> | Polished Stainless Steel        |
|    | <b>EBP</b> | <b>G</b> | Electro Brass Plated            |
|    | <b>SCP</b> | <b>N</b> | Satin Chrome Plated             |
|    | <b>PCP</b> | <b>O</b> | Polish Chrome Plated            |
|   | <b>SNP</b> | <b>F</b> | Satin Nickel Plated             |
|  | <b>PNP</b> | <b>E</b> | Polish Nickel Plated            |
|  | <b>ACP</b> | <b>C</b> | Lacquered Antique Copper Plated |
|  | <b>ABP</b> | <b>A</b> | Lacquered Antique Brass Plated  |
|  | <b>MBP</b> | <b>I</b> | Matt Antique Brass Plated       |
|  | <b>PVD</b> | <b>D</b> | Physical Vapor Deposition       |

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## ::Materials Index

|          |                         |          |            |
|----------|-------------------------|----------|------------|
| <b>A</b> | Stainless Steel SUS 316 | <b>M</b> | Pom        |
| <b>B</b> | Stainless Steel SUS 304 |          |            |
| <b>C</b> | Stainless Steel SUS 202 | <b>N</b> | Nylon      |
| <b>D</b> | Stainless Steel SUS 201 |          |            |
| <b>F</b> | Stainless Steel SUS 430 | <b>S</b> | Steel      |
|          |                         |          |            |
| <b>E</b> | Brass                   | <b>V</b> | PVC        |
|          |                         |          |            |
| <b>I</b> | Aluminum                | <b>Z</b> | Zinc Alloy |



