TUBULAR & MORTISE

Entrance Handle Sets

(Version: 2015.6)

NY/MH/ME/BW TRIM

UNISON HARDWARE, INC.
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HOW TO ORDER:

For leversets with exterior handgrip escutcheon and interior lever with the same finish:

Product Identification
NY 221 MT620-32D-RH

Handing*:
RH – Right Hand
LH – Left Hand
RHR – Right Hand Reverse
LHR – Left Hand Reverse
*Specify for Entrance and Entry Dummy Functions

Finish:
32D = Satin Stainless Steel
32 = Polished Stainless Steel
SP = Two Tone Satin and Polished Stainless Steel (Inside Lever Only)
10B = Oil Rubbed Bronze on Stainless Steel

Function:
Tubular Latch and Deadbolt Combo
C563 = Tubular Entry Handle Set with TL5, 2-3/8" Backset
C573 = Tubular Entry Handle Set with TL5, 2-3/4" Backset
TDP = Tubular Entry Dummy Set with Dummy Cylinder

"MT" Mortise Lock for Handleset
MT620 = Mortise, Keyed Entry, 2-1/2" Backset
MT720 = Mortise, Keyed Entry, 2-3/4" Backset
MTEDP = Mortise Entry Dummy Set with Dummy Cylinder

Lever:
101 Cologne
102 Munich
103 Oslo
104 Brussels
105 Frankfurt
106 Copenhagen
107 Stockholm
108 Vienna
109 Stuttgart
210 Air-stream
211 Breeze
212 Cabernet
214 Champagne
217 Horizon
221 Aurora
223 Phoenix
225 Waterfall
226 Summer
227 Stratus
243 Sunrise
244 Twilight
251 Sequoia
311 Crest
344 Ecco
345 Tokyo
346 Osaka
351 Toronto
380 Polaris

NY Plate
MH Plate
ME Plate
BW Plate

* All Entrance Handle Sets use SF Plate on the inside
**Tubular Escutcheons Plates**

[ Outside Plate ] ........................................... [ Inside Plate ]

NY Plate  
MH Plate  
SF Plate

**Mortise Escutcheons Plates**

[ Outside Plate ] ........................................... [ Inside Plate ]

NY Plate  
MH Plate  
SF Plate

[ Outside Plate ] ........................................... [ Inside Plate ]

ME Plate  
BW Plate  
SF Plate
Leaver Designs and Finishes (For Inside Handle Set)

101 Cologne (32, 32D)  
103 Oslo (32, 32D)  
104 Brussels (32, 32D)  
105 Frankfurt (32, 32D, 10B)  
106 Copenhagen (32, 32D, 10B)  
107 Stockholm (32, 32D)

108 Vienna (SP*)  
213 Cabernet (32, 32D)  
226 Summer (32, 32D)  
210 Air-Stream (32, 32D, 10B)  
211 Breeze (32, 32D, 10B)  
214 Champagne (32, 32D, 10B)

217 Horizon (32, 32D)  
221 Aurora (32, 32D, SP, 10B)  
223 Phoenix (32D, SP*)  
225 Waterfall (32, 32D)  
227 Stratus (32, 32D)  
243 Sunrise (32, 32D, 10B)

251 Sequoia (32D, 32, SP*)  
311 Crest (32, 32D, 10B)  
344 Ecco (32, 32D)  
345 Tokyo (32, 32D)  
351 Toronto (32, 32D)  
380 Polaris (32, 32D)

Lever Designs with “Return To Door” (RTD)*
*Compliant with California Fire Code

102 Munich (32, 32D)  
109 Stuttgart (32, 32D)  
244 Twilight (32, 32D)  
346 Osaka (32, 32D)

*SP is a two-tone stainless steel finish: satin (32D) finish on lever grip, polished (32) finish on lever neck and roses.
Tubular Handle Set

New York (NY Tubular Series)

Manhattan (MH Tubular Series)

**Application**
For residential entry, multi-family unit entry.

**Material**
Stainless Steel Levers and Escutcheons

**Finish**
- Satin Stainless Steel
  US32D/630
- Bright Polished Stainless Steel
  US32/629
- Two-tone Stainless Steel (Inside Lever Only)
  SP (Satin on lever grip, Polish on lever neck, inside plate, outside plate and handgrip.)
- Oil Rubbed Bronze on Stainless Steel
  10B/613

*See page 3 for finish availability.

**Specification**
- Door Thickness: 1-3/4" (44mm) standard
  Thick Door Kits available
- Backset: 2-3/8" (60mm) standard
  2-3/4" (70mm) optional
- Handing: Handing specification required.
  Latchbolt is field reversible.
- Center Distance: Lever to Cylinder 5-1/2" (140mm)
- Cylinder & Keys: 5-pin Schlage C keyway with 2 keys.
- Leverset Thru-bolts: 2 EA M4x35mm
- Deadbolt Thru-bolts: 2 EA M5x50mm

**Functions**

**Entrance (C563/C573)**
Deadbolt is locked or unlocked by key or thumb-turn inside.
Thumb-piece from outside or lever from inside retract latchbolt.
Deadbolt and latch are not interconnected.

**Entry Dummy (TDP)**
NY/ MH trim with rim dummy cylinder outside, dummy plate escutcheons inside.

**Door Preparation**

Please go to:
[www.inoxproducts.com/resources](http://www.inoxproducts.com/resources) for the latest door preparation templates and installation instructions.
Tubular Handle Set

**Tubular Latch**

TL5 – Residential Grade
35 Degree Latch Retraction
Backset: 2-3/8” (60mm), 2-3/4” (70mm)
Function: Passage (For Tubular Handle Sets Only)
Faceplate: 1” x 2-1/4”

<table>
<thead>
<tr>
<th>Backset</th>
<th>Function</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3/8” (60mm)</td>
<td>Passage</td>
<td>TL561</td>
</tr>
<tr>
<td>2-3/4” (70mm)</td>
<td>Passage</td>
<td>TL571</td>
</tr>
</tbody>
</table>

**Strikes**

All latches come with both T-Strike and Full-lip Strike with square corners. Full-lip Strike with Radius Corner and ASA Strike can be ordered seperately.

- **Full-lip Strike**
  - LSR-D1
  - 1-3/4”x2-1/4”

- **T-Strike**
  - LSR-T1
  - 1-1/8” x 2-3/4”
  - w/lip 1-1/2”x1/2”

- **Full-lip Strike 1/4” Corner**
  - LSR-D14
  - 1-3/4”x2-1/4”

- **ASA Strike (ANSI Standard)**
  - LSR-ASA
  - 1-1/4”x4-7/8”

**Change Latch Bolt Direction For TL5 Latch**

Change the latch direction 180° with the faceplate together.
Note: Be sure to install the latch with faceplate attached to the latch body.

Note: Please ensure the center line on the back of the faceplate meets the center seam of the latch case.

**Gear Drive**

Slim Gear Drive design fits perfectly in INOX Entrance Handleset Escutcheons.

**Spindle for Tubular Latch TL5 and Gear Drive**

FC-SW8875
Tubular Handle Set

**Deadbolt**

- Backset: 2-3/8" (60mm), 2-3/4" (70mm)
- Deadbolt: 1" (25mm) throw with anti-drill pin
- Function: Suitable for entry door or doors needing to be locked
- Faceplate: 2-1/4" x 1"
- Cylinder & Keys: 5-pin Schlage C keyway cylinder with 2 keys

<table>
<thead>
<tr>
<th>Backset</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3/8&quot;</td>
<td>BT160</td>
</tr>
<tr>
<td>2-3/4&quot;</td>
<td>BT170</td>
</tr>
</tbody>
</table>

**Rim Cylinders**

- Schlage Keyway, 5 Pin, with Tailpiece, 2 Keys.
- Standard Keyed Different (KD).
- Other Keying Services Available.

**Single Cylinder**

- CRB105

**Dummy Cylinder**

- CRA10D

**Thumb-turn**

- TT-04C

**Cylinder Escutcheon**

- EC-R460COL
- EC-S420COL

**Deadbolt Strike and Faceplate**

- Deadbolt Faceplate
- Deadbolt Strike w/ reinforcement plate and dustbox

- BT1-FSP
- LSR-BT1
Mortise Handle Set

Application
For residential entry, multi-family unit entry.

Material
Stainless Steel Levers and Escutcheons

Finish
- Satin Stainless Steel US32D/630
- Bright Polished Stainless Steel US32/629
- Two-tone Stainless Steel SP1 (Satin on Lever Grip; Polished on Lever Neck and Roses)
- Oil Rubbed Bronze on Stainless Steel 10B/613

*See page 3 for finish availability.

Specifications
- Door Thickness: 1-3/4” (44mm) standard.
  Thick Door Kits available.
- Backset: MT620: 2-1/2” (63.5mm) Standard.
  MT720: 2-3/4” (70mm) Optional.
- Handing: Handing specification required.
- Lock case are field reversible without disassembly.
- Center Distance: Lever to Cylinder 3-5/8” (92mm)
  Lever to Thumb-turn 2-7/16” (62mm)
- Cylinder & Keys: 6-pin Schlage C Keyway Cylinder with 2 keys.
  Standard Cylinder Size for 1-3/4” Door:
  NY and MH Trim: 1-1/4” Mortise Cylinder
  ME and BW Trim: 1-1/8” Mortise Cylinder
- Keying service available.

Entrance (MT620/MT720)
Key from outside lock and unlock deadbolt.
Thumb-piece from outside retract latchbolt.
Thumb-turn from inside locks and unlocks deadbolt. Lever from inside is always unlocked.
Inside lever is always unlocked allowing emergency egress.
Toggle always in locked position unless set to unlock manually.
Locking deadbolt by thumb-turn or key to reset toggle to locked position.

Entry Dummy (MTEDP)
NY/MH/ME/BW trim with dummy cylinder outside, dummy plate escutcheons inside.

Door Preparation

Please go to:
www.inoxproducts.com/resources
for the latest door preparation templates and installation instructions.
MT Mortise Lockcase

For all Mortise Handle Sets only
w/faceplate, strike and dustbox (less cylinder)

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Backset</th>
<th>Function</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2-1/2&quot;</td>
<td>Entry w/</td>
<td>MT620-32D/32/10B</td>
</tr>
<tr>
<td></td>
<td>2-3/4&quot;</td>
<td>Entry w/</td>
<td>MT720-32D/32/10B</td>
</tr>
</tbody>
</table>

* MT Lock built-in toggle buttons are set to be locked by default, which deactivates the outside thumb-piece. This allows door to be kept locked even without using key or thumb-turn to engage deadbolt. Toggle can be manually set to unlocked position, in which case the outside thumb-piece will engage the latch bolt and act as a passage latch until the toggle is reset to locked position, either manually or set automatically by using thumb-turn or key.

MT Mortise Faceplate and Strike

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Function</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MT Mortise Faceplate</td>
<td>MT-FSP20-32D/32/10B</td>
</tr>
<tr>
<td></td>
<td>MT Mortise Strike</td>
<td>LSR-MT01-32D/32/10B</td>
</tr>
<tr>
<td></td>
<td>MT Mortise Strike Dust Box</td>
<td>LSR-DBX-MT</td>
</tr>
</tbody>
</table>
Mortise Cylinders and Keys

Schlage C Keyway, 6 Pin, with Clover Cam, 2 Keys. Standard Keyed Differ (KD). Other Keying Service available.

Standard Cylinder Size for 1-3/4” Door:
- NY and MH Trim: 1-1/4” Mortise Cylinder
- ME and BW Trim: 1-1/8” Mortise Cylinder

Please refer to Price Book for details of Thick Door Kits (TDK)

CAM

MT Cam CAM04-MT

Keying Services

<table>
<thead>
<tr>
<th>Description</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service: Key Cut including Key Blank</td>
<td>SV-KYCT</td>
</tr>
<tr>
<td>Service: Keyed Alike (KA)</td>
<td>SV-KA</td>
</tr>
<tr>
<td>Service: Keyed to Specific Code</td>
<td>SV-KS</td>
</tr>
<tr>
<td>Service: Master Keying</td>
<td>SV-MK</td>
</tr>
<tr>
<td>Service: Grand Master Keying with 2 or more Master groups</td>
<td>SV-GMK</td>
</tr>
<tr>
<td>Service: Construction Master Keying Service</td>
<td>SV-CMK</td>
</tr>
</tbody>
</table>

Product Illustration | Description                                      | Item No.      |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Illustration" /></td>
<td>1-1/8” Mortise cylinder with MT cam</td>
<td>CMB1186 CAM04-MT</td>
</tr>
<tr>
<td><img src="image2" alt="Illustration" /></td>
<td>1-1/4” Mortise cylinder with MT cam</td>
<td>CMB1146 CAM04-MT</td>
</tr>
<tr>
<td><img src="image3" alt="Illustration" /></td>
<td>1-3/8” Mortise cylinder with MT cam</td>
<td>CMB1386 CAM04-MT</td>
</tr>
<tr>
<td><img src="image4" alt="Illustration" /></td>
<td>1-1/2” Mortise cylinder with MT cam</td>
<td>CMB1126 CAM04-MT</td>
</tr>
<tr>
<td><img src="image5" alt="Illustration" /></td>
<td>1-5/8” Mortise cylinder with MT cam</td>
<td>CMB1586 CAM04-MT</td>
</tr>
<tr>
<td><img src="image6" alt="Illustration" /></td>
<td>1-3/4” Mortise cylinder with MT cam</td>
<td>CMB1346 CAM04-MT</td>
</tr>
<tr>
<td><img src="image7" alt="Illustration" /></td>
<td>Key blanks Schlage C Keyway 6 pin for Mortise Cylinder</td>
<td>LSK01-6SC-NP</td>
</tr>
</tbody>
</table>
Care and Maintenance

**Lever and Knob Handles**
On installations where the correct procedures have been carried out per the instructions, the lever handles will not require adjustment. However, all fixings should be checked for tightness annually. Any loose fixings should be adjusted. Badly fitted furniture can cause interference with the operation of the lock and at the same time, damage the surface of the furniture. INOX® snap-on rose covers should only be removed using proper tools. A screwdriver blade should never be used as this can distort the rose cap out of alignment and scratch the surfaces of both product and door.

**Care of Finishes**
Today’s environment exerts immense pressures on product material requirements. Products must withstand a diversification of atmospheric conditions, such as high pollution, marine locations, and high humidity climates. Additionally, products must be protected against cleaning agents/solutions and ideally the product should offer hypo-allergenic properties.

**Stainless Steel**
Stainless steel is renowned for the following two properties; resistance to corrosion and low maintenance requirements. Stainless steel corrosion resistance is attributable to the presence of a thin, durable film of passive, but stable, chromium oxide. Being inert, invisible, extremely adherent and self-repairing, this film provides an unrivalled protection for the steel; should the film be damaged or removed it will regenerate independently, provided that oxygen is present to allow the reaction to occur with the chromium content of the steel. Therefore you must ensure regular cleaning and maintenance, to restore the original surface appearance, prevent corrosion and maintain hygienic conditions.

**Cleaning Technique**
It is important to clean stainless steel regularly.
- Initially, wash down the surface using soapy water or a mild detergent.
- Always thoroughly rinse the cleaning agent away with clean, warm water.
- To complete the cleaning procedure, dry/polish the item with a soft, dry cloth.

Note: Within aggressive conditions, such as offshore, marine and swimming pool environments, it is especially relevant to ensure that cleaning maintenance occurs regularly.

**Discoloration**
If spots appear on the surface it is not due to the stainless steel, but to impurities in the water, the air or to cleaning agents that have not been thoroughly removed from the surface.
- Spots can be avoided by careful cleaning.
- If discoloration or spots occur they can be removed by using special polishing agents for stainless steel or a light scouring cream.
- Again rinse thoroughly with clean water and polish with a soft, dry cloth.

**What to Avoid!**
- Scouring powders
- Steel wool
- Strong abrasive materials

Note: Acid based cleaning solutions, except for hydrochloric acid, may be used on AISI 304 stainless steel as long as thoroughly rinsed with clean water afterwards. For further information on stainless steel, please contact your local INOX® distributor for the INOX® Stainless Steel Technical Details information sheet.
Product Warranty

Limited Lifetime Warranty

Unison Hardware, Inc. warrants that its INOX® residential products shall be free from defects in material and workmanship for the life of the product, excluding components made of wood, leather or plastic. This warranty extends to the original purchaser and the first consumer owner only. If a product fails due to defects in material or workmanship during the warranty period we will replace it with the most nearly identical product which we sell at the time or refund the original purchase price. Unison Hardware, Inc. will not be liable for any labor charges or freight costs incurred in connection with repair or replacement of a product. Our sole and maximum liability for defective goods (Sold and manufactured by Unison Hardware, Inc.) shall never exceed the cost of the subject products.

This warranty does not cover:

a. Damage resulting from negligence, misuse, abuse or accident occurring after installation
b. Damage due to use outside normal architectural requirements
c. Defects resulting from any modification or improper installations
d. Improper torquing (tightening) during or after installation
e. Improper door preparations
f. Use of residential grade products in commercial applications (i.e. public building, restaurants, offices etc.)
g. Products installed within three miles of the ocean
h. Products installed in exterior application and/or exposed to the outdoor weather or elements

Limited Lifetime Finish Warranty

Unison Hardware, Inc. warrants its INOX® products made of stainless steel material against tarnishing. This warranty is extended to the original purchaser of INOX® products as long as the User occupies the residential premises on which the Products were originally installed. Not covered under this warranty are:

a. Products which have been scratched or abraded
b. Products which have been incorrectly installed or mistreated
c. Products installed within three miles of water (ocean, lakes, rivers, etc.), harsh environments and/or commercial or industrial applications
d. Products installed in exterior application and/or exposed to the outdoor weather or elements
e. Finishes which are specifically designed to wear over time (i.e. Oil Rubbed Bronze finish)

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