Multipoint Trims

BP/MU UNIVERSAL MULTIPORT TRIM

UNISON HARDWARE, INC.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>How to order</td>
<td>1</td>
</tr>
<tr>
<td>Plates Escutcheon</td>
<td>2</td>
</tr>
<tr>
<td>Lever Designs and Finishes</td>
<td>3</td>
</tr>
<tr>
<td>BP/MU Multipoint Trim Specification</td>
<td>4</td>
</tr>
<tr>
<td>Parts and Services</td>
<td>7</td>
</tr>
<tr>
<td>Exploded Diagrams</td>
<td>9</td>
</tr>
<tr>
<td>Care and Maintenance</td>
<td>11</td>
</tr>
<tr>
<td>Product Warranty</td>
<td>12</td>
</tr>
</tbody>
</table>

Disclaimer: All information in this catalog has been deemed accurate as of the date of printing. We are continuously improving and expanding our line in an effort to offer our clients the finest quality products and services. Therefore, Unison Hardware, Inc. reserves the right to alter this information or correct printing errors at any time.

© 2015 Unison Hardware, Inc. All Rights Reserved.
How to Order Standard Items:

Item Code:
MU 105 MA10 – VH – 32D – LH

**Handing**:  
LH – For Left Hand Door (*Outside Handing*)  
RH – For Right Hand Door (*Outside Handing*)  
(*LHR or RHR is not necessary to be specified for Trims. Reversed Bevel is referring to the Latch direction which is set on the multipoint lock cases. INOX only provides Multipoint Trims.)

**Finish**:  
32D = Satin Stainless Steel  
32 = Polished Stainless Steel  
SP = Two Tone Satin and Polished Stainless Steel  
10B = Oil Rubbed Bronze on Stainless Steel

**Escutcheon Plates**:  
BP Plate  
MU Plate

**Lever**:  
101 Cologne  
102 Munich  
103 Oslo  
104 Brussels  
105 Frankfurt  
106 Copenhagen  
107 Stockholm  
108 Vienna  
109 Stuttgart  
210 Air-stream  
211 Breeze  
213 Cabernet  
214 Champagne  
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  
379 Arctic

**Lever Mounting Position**:  
VH – Lever High, Cylinder Below or No Cylinder  
VL – Lever Low, Cylinder Above or No Cylinder

**Function**:  
MA10: Passage  
MA20: Half Passage, Half Dummy  
MADP: Full Dummy  
MA15: Patio Function for Locks using American Cylinder  
MA55: Entry Function for Locks using American Cylinder  
MA25: Patio Function for Locks using Euro-profile Cylinder  
MA35: Entry Function for Locks using Euro-profile Cylinder

*INOX does not supply multipoint locking mechanism.*
Escutcheon Plates

<table>
<thead>
<tr>
<th>BP Plate</th>
<th>MU Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passage (Outside and Inside)</td>
<td>Passage (Outside and Inside)</td>
</tr>
<tr>
<td>Patio (Outside)</td>
<td>Patio (Outside)</td>
</tr>
<tr>
<td>10-9/16&quot; (269mm)</td>
<td>10-9/16&quot; (269mm)</td>
</tr>
<tr>
<td>7/16&quot; (11.5mm)</td>
<td>7/16&quot; (11.5mm)</td>
</tr>
<tr>
<td>1-21/32&quot; (42mm)</td>
<td>1-21/32&quot; (42mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BP Plate</th>
<th>MU Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Euro Entry (Outside and Inside)</td>
<td>Euro Entry (Outside and Inside)</td>
</tr>
<tr>
<td>Euro Patio (inside)</td>
<td>Euro Patio (inside)</td>
</tr>
<tr>
<td>10-9/16&quot; (269mm)</td>
<td>10-9/16&quot; (269mm)</td>
</tr>
<tr>
<td>7/16&quot; (11.5mm)</td>
<td>7/16&quot; (11.5mm)</td>
</tr>
<tr>
<td>1-21/32&quot; (42mm)</td>
<td>1-21/32&quot; (42mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BP Plate</th>
<th>MU Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Entry (Outside)</td>
<td>American Entry (Outside)</td>
</tr>
<tr>
<td>10-9/16&quot; (269mm)</td>
<td>10-9/16&quot; (269mm)</td>
</tr>
<tr>
<td>7/16&quot; (11.5mm)</td>
<td>7/16&quot; (11.5mm)</td>
</tr>
<tr>
<td>1-21/32&quot; (42mm)</td>
<td>1-21/32&quot; (42mm)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BP Plate</th>
<th>MU Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Patio (Inside)</td>
<td>American Patio (Inside)</td>
</tr>
<tr>
<td>American Entry (Inside)</td>
<td>American Entry (Inside)</td>
</tr>
<tr>
<td>10-9/16&quot; (269mm)</td>
<td>10-9/16&quot; (269mm)</td>
</tr>
<tr>
<td>7/16&quot; (11.5mm)</td>
<td>7/16&quot; (11.5mm)</td>
</tr>
<tr>
<td>1-21/32&quot; (42mm)</td>
<td>1-21/32&quot; (42mm)</td>
</tr>
</tbody>
</table>
Lever Designs and Finishes

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*)
210 Air-Stream (32, 32D, 10B)
211 Breeze (32, 32D, 10B)
213 Cabernet (32, 32D)
214 Champagne (32, 32D, 10B)
221 Aurora (32, 32D, SP*, 10B)

223 Phoenix (32D, SP*)
225 Waterfall (32, 32D)
226 Summer (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)
379 Arctic (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 (32D) finish on lever neck and roses.
BP/MU Multipoint Trim

**Application**
For swing door Multipoint locking system.

**Material**
Stainless Steel Levers and Escutcheons

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

*See page 3 for finish availability.

**Specification**
- Door Thickness: 1-3/4” with lockcase in the center of the door. Thick Door Kits available on request.
- Cylinder to Lever Center Distance: 3-5/8” (92mm)
- Spindle: 8x8mm Square.
- Faceplate and strike plate with square corners. Radius corners available on request.
- Schlage C Keyway 5-pin Cylinder, 2 keys included. Keying service available.
- Weather seal gasket for outside trim.

**Escutcheon Plates**
- BP Plates Size: 10-1/2” x 1-5/8” x 7/16” (268 x 42 x 11mm)
- MU Plates Size: 10-1/2” x 1-5/8” x 7/16” (268 x 42 x 11mm)

**Door Configurations**
The new INOX* Multipoint Trim (patent pending) is designed to be a universal trim which fits the majority of multipoint locking systems for swing doors in the marketplace. INOX* Multipoint Trim has adjustable thru-bolt distance covering almost every door prep configuration as long as the Lever to Cylinder has a 3-5/8” (92mm) center distance.

**Lever to the Closest Thru-Bolt Center to Center Distance (CTC)**
Covering Range:
- 1-3/8” – 3-3/8” (35mm – 86mm)

**Cylinder to the Closest Thru-Bolt Center to Center Distance (CTC)**
Covering Range:
- 1-1/2” – 2-9/16” (38mm – 65mm)
BP/MU Multipoint Trim

**Features:**
- Bi-direction spring provides lever support.
- Multiple fixing distance for thru-bolts on the same plate to fit majority of manufacturer’s door prep with concealed fixing.
- Schlage C Keyway for both American or Euro Profile Cylinder.
- Weather seal gasket for outside trim.

**Functions:**

**MA10:**
Passage Function
Both outside and inside levers are active. No deadlock.

**MA20:**
Half Passage, Half Dummy.
Outside lever is inactive. Inside lever is active.

**MA25:**
Patio Function for Locks using Euro-profile Cylinder
Both outside and inside levers are active. Inside thumb-turn locks deadbolt using Euro cylinders with cam.

**MA15:**
Patio Function for Locks using Tailpiece Hub
Both outside and inside levers are active. Inside thumb-turn locks deadbolt using tailpiece.

**MA55:**
Enter Function for Locks using American Cylinder.
Both outside and inside levers are active. Key from outside and thumb-turn on inside locks the deadbolt, using American cylinder with tailpiece.

**MADP:**
Full Dummy
Both outside and inside levers are inactive.
Will INOX® Standard BP/MU Plates Fit the following Locks and Door Prep?

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Door/Lock Manufacturer</th>
<th>Lever to Cylinder CTC</th>
<th>Lever to Thru-Bolt CTC</th>
<th>Cylinder to Thru-Bolt CTC</th>
<th>Emtek® Door Config.</th>
<th>Baldwin® Door Set Ref.</th>
<th>Standard INOX® Multipoint Trim Fit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever High, American Cylinder Below Lever</td>
<td>G-U®, Marvin Integrity®, Sierra Pacific Windows®, Superior®</td>
<td>3-5/8” (92mm)</td>
<td>2-9/16” (65mm)</td>
<td>1-3/8” (35mm)</td>
<td>DC #1</td>
<td># 5</td>
<td>YES</td>
</tr>
<tr>
<td>Lever High, American Cylinder Below Lever</td>
<td>Pella®</td>
<td>3-5/8” (92mm)</td>
<td>2-7/8” (73mm)</td>
<td>1-7/8” (48mm)</td>
<td>DC #6</td>
<td># 3</td>
<td>YES</td>
</tr>
<tr>
<td>Lever Low, American Cylinder Above Lever</td>
<td>G-U®, Pella®, Eagle®, Marvin Integrity®, Biltbest®, Hurd®, Sierra Pacific®, Willmar®</td>
<td>3-5/8” (92mm)</td>
<td>2-9/16” (65mm)</td>
<td>1-3/8” (35mm)</td>
<td>DC #2</td>
<td># 5</td>
<td>YES</td>
</tr>
<tr>
<td>Lever Low, American Cylinder Above Lever</td>
<td>Ashland®, Marvin®, Milgard®, Caradco®, PGT®</td>
<td>3-5/8” (92mm)</td>
<td>1-13/16” (46mm)</td>
<td>1-13/16” (46mm)</td>
<td>DC #4</td>
<td># 6</td>
<td>YES</td>
</tr>
<tr>
<td>Lever High, Euro Cylinder Below Lever</td>
<td>G-U®, Hoppe®, Hurd®, Eagle®, Kolbe &amp; Kolbe®, Loewen®, Lincoln®, Norco®, Peachtree®, Pozzi®, Sierra Pacific®, Semco®, Vetter®, Weathershield®, Therma-Tru®</td>
<td>3-5/8” (92mm)</td>
<td>3-3/8” (86mm)</td>
<td>1-1/2” (38mm)</td>
<td>DC #5</td>
<td># 1</td>
<td>YES</td>
</tr>
<tr>
<td>Lever High, Euro Cylinder Below Lever</td>
<td>G-U®, Hoppe®, Hurd®, Eagle®, Kolbe &amp; Kolbe®, Loewen®, Lincoln®, Norco®, Peachtree®, Pozzi®, Sierra Pacific®, Semco®, Vetter®, Weathershield®</td>
<td>3-5/8” (92mm)</td>
<td>2-7/16” (52mm)</td>
<td>1-13/16” (46mm)</td>
<td>N/A                 #4</td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

INOX® multipoint trim will NOT fit the following door configuration:

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Door/Lock Manufacturer</th>
<th>Lever to Cylinder CTC</th>
<th>Lever to Thru-Bolt CTC</th>
<th>Cylinder to Thru-Bolt CTC</th>
<th>Emtek® Door Config.</th>
<th>Baldwin® Door Set Ref.</th>
<th>Standard INOX® Multipoint Trim Fit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever Low, American Cylinder Above Lever</td>
<td>Anderson®</td>
<td>4-1/8” (105mm)</td>
<td>2-1/16” (52mm)</td>
<td>2-5/16” (59mm)</td>
<td>DC #3</td>
<td># 2</td>
<td>NO</td>
</tr>
<tr>
<td>Lever Low, American Cylinder Above Lever</td>
<td>W &amp; F Manufacturing®</td>
<td>6” (152mm)</td>
<td></td>
<td></td>
<td>DC # 7</td>
<td>N/A</td>
<td>NO</td>
</tr>
</tbody>
</table>

Disclaimer: INOX® is not liable for any change of specifications by door and lock manufacturers.
Parts and Services

**Euro Cylinders**
Also called Profile Cylinders

Double Cylinder Key & Thumb-turn

Single Cylinder (Also called Half Cylinder) Thumb-turn Only

**Material**
Solid Brass

**Keyway**
Schlage C Keyway, 5 Pin, 3 Keys per Cylinder.

**Finishes**
- Satin Nickel (US15)
- Polished Chrome (US26)
- Oil Rubbed Bronze (US108)

**Cylinder Screw**
Each cylinder includes 1 breakable machine screw M5x80mm for fixing cylinder to multipoint lock case with backset up to 2-3/4” (70mm).

**Cylinder Thumb-turn**
Key Blanks for Euro Cylinder, Schlage C Keyway, for 5 Pin Cylinder LSK03-55C-NP

**Euro-Profile Cylinders for Patio and Entry Function**

Total Length: 45mm (10/35)
Door Thickness: 1-3/4” (45mm)
CYEU-1035TK

Total Length: 50mm (10/40)
Door Thickness: 2” (51mm)
CYEU-1040TK

Total Length: 55mm (10/45)
Door Thickness: 2-1/4” - 2-1/2” (57-63mm)
CYEU-1045TK

Total Length: 60mm (10/50)
Door Thickness: 2-3/4” - 3” (70 – 76mm)
CYEU-1050TK

Total Length: 65mm (10/55)
CYEU-1055TK

Total Length: 70mm (35/35)
Door Thickness: 1-3/4” (45mm)
Lock Case Centered
CYEU-3535TK

Total Length: 80mm (40/40)
Door Thickness: 2” (51mm)
Lock Case Centered
CYEU-4040TK

Total Length: 85mm (30/55)
Door Thickness: 2-1/4” - 2-1/2” (57 – 63mm)
Lock Case Off-Center
CYEU-3055TK

Total Length: 85mm (55/30)
Door Thickness: 2-1/4” - 2-1/2” (57 – 63mm)
Lock Case Off-Center
CYEU-5530TK

Total Length: 85mm (35/50)
Door Thickness: 2-1/4” - 2-1/2” (57 – 63mm)
Lock Case Off-Center
CYEU-3550TK

Total Length: 85mm (50/35)
Door Thickness: 2-1/4” - 2-1/2” (57 – 63mm)
Lock Case Off-Center
CYEU-5035TK

Total Length: 90mm (45/45)
Door Thickness: 2-1/4” - 2-1/2” (57 – 63mm)
Lock Case Centered
CYEU-4545TK

Total Length: 100mm (50/50)
Door Thickness: 2-3/4” - 3” (70 – 76mm)
Lock Case Centered
CYEU-5050TK
Parts and Services

**American Cylinder**

Also called Knob Cylinder

- American Cylinder with 40mm Tailpiece
  Door Thickness: 1-3/4"
  CYSC00-40

- American Cylinder with 70mm Breakable Tailpiece
  Door Thickness: 2"-3"
  CYSC00-70

**Material**

Solid Brass

**Keyway**

Schlage C Keyway, 6 Pin, with 2 Keys, Keyed Different*.
(*5-Pin available on request)

**Finish of cylinder barrel**

Satin Chrome (US26D)

**Key Blanks**

Key Blanks for American Cylinder, Schlage C Keyway, for 6 Pin Cylinder
LSK01-6SC-NP

**American Cylinder Escutcheons**

American Cylinder Escutcheons,
Oblong, 64 x 24.5 x 12.5mm
EC-64R

American Cylinder Escutcheons,
Rectangle, 64 x 24.5 x 12.5mm
EC-63S

Machine Screw M4 x 20mm Pan Head, for fixing knob cylinder to escutcheon
FS-M4 x 20-PAN
Exploded Diagrams

**MA10 (Passage)**

1. Outside Plate
2. Bolt Sleeve
3. Outside Sub-plate
4. Gasket
5. Spindle 8mm Square
6. Inside Sub-plate with Lever
7. M5 Thru-bolt
8. Inside Plate
9. Lever Set Screw
10. Nylon Insert
11. Outside Lever

**MA20 (Half Passage Half Dummy)**

1. Outside Plate
2. Bolt Sleeve
3. Outside Sub-plate
4. Gasket
5. Spring Spindle 8mm Square
6. Inside Sub-plate with Lever
7. M5 Thru-bolt
8. Inside Plate
9. Lever Set Screw
10. Nylon Insert
11. Outside Lever

**MADP (Full Dummy)**

1. Outside Plate
2. Bolt Sleeve
3. Outside Sub-plate
4. Gasket
5. Inside Sub-plate with Lever
6. M5 Thru-bolt
7. Inside Plate
8. Nylon Insert
9. Outside Lever
10. Lever Set Screw
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)

UNISON HARDWARE, INC. MAKES NO OTHER WARRANTY, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE EXPRESSED WARRANTY PERIOD AS SET FORTH ABOVE. THE COMPANY'S MAXIMUM LIABILITY HEREUNDER IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT. IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, INCIDENTAL OR SPECIAL DAMAGES OF ANY NATURE ARISING FROM THE SALE OR USE OF THIS PRODUCT, WHETHER IN CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS AND MERCHANTABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.
Please visit our website

www.inoxproducts.com

for more technical and new product information.