2013 SERIES

Horizontal Hold Down Clamps | Product Overview

Features:
- Increased handle clearance reduces pinch points
- Common mounting hole pattern to Model 213
- Fixed handle pivot provides smooth action
- Nearly 2 times the holding capacity Model 213
- BLK models feature a black, non-reflective finish

Applications:
- Checking fixtures
- Assembly & test
- Light machining
- Woodworking
- Closures

Also Available:
See page MC-ACC-1 for accessories
Accommodates M5 or #10 spindle accessory

Covered under one or more U.S./International Patents

2013-U
Flanged Base U-Bar

2013-U-LS-BLK
Blackout Series Flanged Base U-Bar

2013-UR
Flanged Base U-Bar

DESTACO®
Toggle Lock Plus™

Also Available:
See page MC-ACC-1 for accessories

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-U</td>
<td>1310 N [295 lbf]</td>
<td>71°</td>
<td>58°</td>
<td>0.17kg [0.37lb]</td>
<td>2013208-M</td>
<td>102111</td>
</tr>
<tr>
<td>2013-U-LS-BLK</td>
<td>1310 N [295 lbf]</td>
<td>71°</td>
<td>58°</td>
<td>0.17kg [0.37lb]</td>
<td>2013208-M</td>
<td>102111-BLK</td>
</tr>
<tr>
<td>2013-UR</td>
<td>1310 N [295 lbf]</td>
<td>71°</td>
<td>58°</td>
<td>0.17kg [0.37lb]</td>
<td>2013208-M</td>
<td>102111</td>
</tr>
</tbody>
</table>

Holdings Capacities

<table>
<thead>
<tr>
<th>Model</th>
<th>X</th>
<th>X1</th>
<th>X2</th>
<th>Y</th>
<th>†HC1</th>
<th>†HC2</th>
<th>†EF(X1):AF</th>
<th>†EF(X2):AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>U/UR</td>
<td>0.63</td>
<td>0.95</td>
<td>1.95</td>
<td>2.34</td>
<td>295lbf</td>
<td>1310N</td>
<td>4:1</td>
<td>2:1</td>
</tr>
</tbody>
</table>

Dimensions shown “mm [inch]” †HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.
2013 Series
Horizontal Hold Down Clamps | Dimensions | -U/-UR

2013-U
Flanged Base
U-Bar

Dimensions and technical information are subject to change without notice
2017 SERIES
Horizontal Hold Down Clamps | Product Overview

Features:
• Increased handle clearance reduces pinch points
• Common mounting hole pattern to Model 217
• Fixed handle pivot provides smooth action
• Over 2½ times the holding capacity Model 217
• BLK models feature a black, non-reflective finish

Applications:
• Checking fixtures
• Assembly & test
• Light machining
• Woodworking
• Closures

Also Available:
See page MC-ACC-1 for accessories
Accommodates M6 or ¼” spindle accessory

Covered under one or more U.S./International Patents

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-U</td>
<td>2500 N [560 lbf]</td>
<td>73°</td>
<td>69°</td>
<td>0.44kg [0.97lb]</td>
<td>215208-M</td>
</tr>
<tr>
<td>2017-U-LS-BLK</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>215105-BLK</td>
</tr>
<tr>
<td>2017-UR</td>
<td>2500 N [560 lbf]</td>
<td>73°</td>
<td>69°</td>
<td>0.44kg [0.97lb]</td>
<td>215208-M</td>
</tr>
</tbody>
</table>

Dimensions shown “mm [inch]” † HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

See page MC-TEC-4 for additional information.
2027 SERIES

Horizontal Hold Down Clamps | Product Overview

Features:
• Increased handle clearance reduces pinch points
• Common mounting hole pattern to Model 227
• Fixed handle pivot provides smooth action
• Over 1 ½ times the holding capacity Model 227
• BLK models feature a black, non-reflective finish

Applications:
• Checking fixtures
• Assembly & test
• Light machining
• Woodworking
• Closures

Also Available:
See page MC-ACC-1 for accessories
Accommodates M8 or 5/16” spindle accessory

Covered under one or more U.S./International Patents

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2027-U</td>
<td>3740 N [840 lbf]</td>
<td>68°</td>
<td>70°</td>
<td>0.61kg [1.34lb]</td>
<td>Spindle Assembly: 2007208-M, Flanged Washers: 507107</td>
</tr>
<tr>
<td>2027-UR</td>
<td>25,8</td>
<td>44,5</td>
<td>64,5</td>
<td>0.61kg [1.34lb]</td>
<td>Spindle Assembly: 2007208-M, Flanged Washers: 507107</td>
</tr>
</tbody>
</table>

Holding Capacities

Dimensions shown “mm [inch]” † HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

Dimensions and technical information are subject to change without notice
213 SERIES
Horizontal Hold Down Clamps | Product Overview

Features:
• Low profile
• Large handle clearance in the open position
• Available in stainless steel
• BLK models feature a black, non-reflective finish

Applications:
• Assembly
• Checking fixtures
• Closures
• Woodworking

Also Available:
See page MC-ACC-1 for accessories
Accommodates M5 or #10 spindle accessory

213-U/USS
Flanged Base U-Bar
213-U-LS-BLK①
Blackout Series Flanged Base U-Bar
213-UB
Straight Base U-Bar
213-UB-LS-BLK①
Blackout Series Straight Base U-Bar

213-U-L①
Flanged Base Open Bar
213-U-L-BLK①
Flanged Base Open Bar
213-UB-L①
Straight Base Open Bar
213-UB-L-BLK①
Blackout Series Straight Base Open Bar

① This item is available upon request

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
</tr>
</thead>
<tbody>
<tr>
<td>213-U</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>213208-M</td>
<td>102111</td>
</tr>
<tr>
<td>213-U-LS-BLK①</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>--</td>
<td>102111-BLK</td>
</tr>
<tr>
<td>213-USS</td>
<td>670 N [150 lbf]</td>
<td>90°</td>
<td>60°</td>
<td>0,08kg [0.17lb]</td>
<td>201943-M</td>
<td>102911</td>
</tr>
<tr>
<td>213-UB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>213208-M</td>
<td>102111</td>
</tr>
<tr>
<td>213-UB-LS-BLK①</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>--</td>
<td>102111-BLK</td>
</tr>
<tr>
<td>213-U-L①</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>102111-BLK</td>
<td>102111</td>
</tr>
<tr>
<td>213-U-L-BLK①</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>102111</td>
<td>102111-BLK</td>
</tr>
<tr>
<td>213-UB-L①</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>102111-BLK</td>
<td>102111</td>
</tr>
</tbody>
</table>

① This item is available upon request

Dimensions and technical information are subject to change without notice
213 SERIES

Horizontal Hold Down Clamps | Holding Capacities

Dimensions shown "mm [inch]" ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

Dimensions | -U/-USS/-UB

213-U
Flanged Base
U-Bar

Series 213 Open Bar Options

See page MC-ACC-7 for Complete offering of Open bar accessories

Dimensions and technical information are subject to change without notice
217 SERIES
Horizontal Hold Down Clamps | Product Overview

Features:
- Low profile
- Large handle clearance in the open position
- Available in stainless steel
- BLK models feature a black, non-reflective finish

Applications:
- Assembly
- Checking fixtures
- Closures
- Woodworking

Also Available:
See page MC-ACC-1 for accessories
Accommodates M6 or ¼” spindle accessory

217-U/USS
Flanged Base
U-Bar

217-U-LS-BLK (①)
Blackout Series
Flanged Base
U-Bar

217-UB
Straight Base
U-Bar

217-UB-LS-BLK (①)
Blackout Series
Straight Base
U-Bar

217-U-L (①)
Flanged Base
Open Bar

217-U-L-BLK (①)
Blackout Series
Flanged Base
Open Bar

217-UB (①)
Straight Base
Open Bar

217-UB-L (①)
Blackout Series
Straight Base
Open Bar

This item is available upon request

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>217-U</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>202208-M 215105</td>
</tr>
<tr>
<td>217-U-LS-BLK ①</td>
<td>900 N [200 lbf]</td>
<td>91°</td>
<td>61°</td>
<td>0,18kg [0.40lb]</td>
<td>-- 215105-BLK</td>
</tr>
<tr>
<td>217-USS</td>
<td>1110 N [250 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>202943-M 215105</td>
</tr>
<tr>
<td>217-UB</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>202208-M 215105</td>
</tr>
</tbody>
</table>

This item is available upon request

Dimensions and technical information are subject to change without notice
## 217 SERIES

Horizontal Hold Down Clamps | Holding Capacities

<table>
<thead>
<tr>
<th>Model</th>
<th>X</th>
<th>X1</th>
<th>X2</th>
<th>Y</th>
<th>±HC1</th>
<th>±HC2</th>
<th>±EF(X1):AF</th>
<th>±EF(X2):AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[0.53]</td>
<td>[1.13]</td>
<td>[2.63]</td>
<td>[2.93]</td>
</tr>
<tr>
<td>USS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[1.20]</td>
<td>[2.86]</td>
<td>[6.66]</td>
<td>[7.96]</td>
</tr>
<tr>
<td>UB/U-L/UB-L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions shown “mm [inch]”  
† HC = Holding Capacity, EF = Exerting Force, AF = Applied Force  
See page MC-TEC-4 for additional information.

### Series 217
Open Bar Options

#### Flanged Base
Model  
217-U-L

#### Straight Base
Model  
217-UB-L

See page MC-ACC-7 for Complete offering of Open bar accessories

### Dimensions | -U/-USS/-UB

#### 217-U
Flanged Base  
U-Bar
**227 SERIES**

Horizontal Hold Down Clamps | Product Overview

**Features:**
- Low profile
- Large handle clearance in the open position.
- Available in stainless steel
- BLK models feature a black, non-reflective finish

**Applications:**
- Assembly
- Checking fixtures
- Closures
- Woodworking

**Also Available:**
See page MC-ACC-1 for accessories
Accommodates M6 or 5/16” spindle accessory

### Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>227-U</td>
<td>2220 N [500 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>227-U-LS-BLK</td>
<td>2220 N [500 lbf]</td>
<td>91°</td>
<td>56°</td>
<td>0.31kg [0.68lb]</td>
<td></td>
</tr>
<tr>
<td>227-USS</td>
<td>2670 N [600 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>227-UB</td>
<td>2220 N [500 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>227-UB-LS-BLK</td>
<td>2220 N [500 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This item is available upon request

Dimensions and technical information are subject to change without notice.
**227 SERIES**

Horizontal Hold Down Clamps | Holding Capacities

<table>
<thead>
<tr>
<th>Model</th>
<th>X (in)</th>
<th>X1 (in)</th>
<th>X2 (in)</th>
<th>Y (in)</th>
<th>+HC1 (lb)</th>
<th>+HC2 (lb)</th>
<th>+EF(X1):AF</th>
<th>+EF(X2):AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td>0.39</td>
<td>1.25</td>
<td>2.75</td>
<td>3.58</td>
<td>500</td>
<td>225</td>
<td>8:1</td>
<td>3:1</td>
</tr>
<tr>
<td>USS</td>
<td>10.0</td>
<td>31.8</td>
<td>70.0</td>
<td>91.0</td>
<td>2220</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UB/U-L/UB-L</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>500</td>
<td>225</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>2220</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions shown “mm [inch]”  ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

**Dimensions | -U/-USS/-UB**

Series 227 Open Bar Options

See page MC-ACC-7 for Complete offering of Open bar accessories

Dimensions and technical information are subject to change without notice
237 SERIES
Horizontal Hold Down Clamps | Product Overview

Features:
- Low profile
- Large handle clearance in the open position.
- Available in stainless steel

Applications:
- Assembly
- Checking fixtures
- Welding

Also Available:
See page MC-ACC-1 for accessories
Accommodates M10 or 3/8” spindle accessory

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>237-U</td>
<td>3340 N [750 lbf]</td>
<td>93°</td>
<td>59°</td>
<td>0.73kg [1.60lb]</td>
<td>Spindle Assembly: 240208-M 235106 Flanged Washers: 237943-M 235906</td>
</tr>
<tr>
<td>237-USS</td>
<td>3780 N [850 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This item is available upon request

Holding Capacities

<table>
<thead>
<tr>
<th>Model</th>
<th>X</th>
<th>X1</th>
<th>X2</th>
<th>Y</th>
<th>±HC1</th>
<th>±HC2</th>
<th>±EF(X1):AF</th>
<th>±EF(X2):AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[750lbf.] 3340N</td>
<td>[290lbf.] 1290N</td>
<td>6:1</td>
<td>2:1</td>
</tr>
<tr>
<td>USS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[850lbf.] 3780N</td>
<td>[330lbf.] 1470N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions shown “mm [inch]”  
† HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.
237-U
Flanged Base
U-Bar

Dimensions and technical information are subject to change without notice
### Technical Information

#### 245-U
Flanged Base
U-Bar

#### 245 Series
Horizontal Hold Down Clamps | Product Overview

**Features:**
- Low profile
- Large handle clearance in the open position.

**Applications:**
- Assembly
- Checking fixtures
- Welding

**Also Available:**
See page MC-ACC-1 for accessories
Accommodates M12 or 1/2” spindle accessory

### Holding Capacities

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
</tr>
</thead>
<tbody>
<tr>
<td>245-U</td>
<td>4450 N (1000 lbf)</td>
<td>105°</td>
<td>74°</td>
<td>1,32kg (2.90lb)</td>
<td>247208-M</td>
<td>247109</td>
</tr>
</tbody>
</table>

---

**Dimensions shown “mm [inch]”**

<table>
<thead>
<tr>
<th>Model</th>
<th>X</th>
<th>X1</th>
<th>X2</th>
<th>Y</th>
<th>✩HC1</th>
<th>✩HC2</th>
<th>✩EF(X1):AF</th>
<th>✩EF(X2):AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td>[0.50]</td>
<td>[2.00]</td>
<td>[5.00]</td>
<td>[6.09]</td>
<td>[1000 lbf.]</td>
<td>[400 lbf.]</td>
<td>11:1</td>
<td>5:1</td>
</tr>
</tbody>
</table>

Dimensions shown “mm [inch]”

**✩ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force**

See page MC-TEC-4 for additional information.

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**Dimensions and technical information are subject to change without notice**

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MC-HHD | 15
245-U
Flanged Base
U-Bar

Dimensions and technical information are subject to change without notice
205 SERIES
Horizontal Hold Down Clamps | Product Overview

Features:
- Smallest of the Horizontal Hold Down clamps
- Ideal for light duty clamping in tight spaces
- Stainless steel models furnished without plastic grip

Applications:
- Assembly
- Closures
- Woodworking
- Light duty clamping

Also Available:
See page MC-ACC-1 for accessories
Accommodates M4 or #8 spindle accessory

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>205-U</td>
<td>270N [60 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205208-M</td>
</tr>
<tr>
<td>205-UB ①</td>
<td>270N [60 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205208-M</td>
</tr>
<tr>
<td>205-UL ①</td>
<td>340N [75 lb]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205208-M</td>
</tr>
<tr>
<td>205-UR ①</td>
<td>340N [75 lb]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205208-M</td>
</tr>
<tr>
<td>205-USS ①</td>
<td>340N [75 lb]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205943-M</td>
</tr>
<tr>
<td>205-S ①</td>
<td>270N [60 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205943-M</td>
</tr>
<tr>
<td>205-SB ①</td>
<td>270N [60 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205943-M</td>
</tr>
<tr>
<td>205-SL ①</td>
<td>340N [75 lb]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205943-M</td>
</tr>
<tr>
<td>205-SSS ①</td>
<td>340N [75 lb]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg</td>
<td>205943-M</td>
</tr>
</tbody>
</table>

① This item is available upon request

- USS Stainless Steel Model

Dimensions and technical information are subject to change without notice
**205 SERIES**

Horizontal Hold Down Clamps | Holding Capacities

<table>
<thead>
<tr>
<th>Model</th>
<th>X</th>
<th>X1</th>
<th>X2</th>
<th>Y</th>
<th>±HC1</th>
<th>±HC2</th>
<th>±EF(X1):AF</th>
<th>±EF(X2):AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>U</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[0.43]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USS</td>
<td>[0.22]</td>
<td>11</td>
<td></td>
<td></td>
<td>[0.81]</td>
<td>20.5</td>
<td>[1.31]</td>
<td>33.2</td>
</tr>
<tr>
<td>S</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SSS</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td>--</td>
<td>[0.60]</td>
<td>270N</td>
<td>290N</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions shown "mm [inch]"   ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

**Dimensions** | -U/-UB/-UL/-UR/-USS/-S/-SB/-SL/-SR/-SSS

**205-U**
Flanged Base
U-Bar

**205-S**
Flanged Base
Solid Bar

Dimensions and technical information are subject to change without notice
215 SERIES
Horizontal Hold Down Clamps | Product Overview

Features:
• Low profile
• Stainless steel model furnished without plastic grip

Applications:
• Assembly
• Checking fixtures
• Closures
• Woodworking

Also Available:
See page MC-ACC-1 for accessories
Accommodates M6 or ¼” spindle accessory

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
<th>Bolt Retainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>215-U</td>
<td>890 N [200 lbf]</td>
<td>87°</td>
<td>78°</td>
<td>0.15kg [0.34lb]</td>
<td>202208-M</td>
<td>215105</td>
<td>--</td>
</tr>
<tr>
<td>215-USS</td>
<td>1110 N [250 lbf]</td>
<td>87°</td>
<td>78°</td>
<td>0.15kg [0.34lb]</td>
<td>202943-M</td>
<td>215905</td>
<td>--</td>
</tr>
<tr>
<td>215-UB</td>
<td>890 N [200 lbf]</td>
<td>87°</td>
<td>78°</td>
<td>0.15kg [0.34lb]</td>
<td>202208-M</td>
<td>215105</td>
<td>--</td>
</tr>
<tr>
<td>215-S</td>
<td>890 N [200 lbf]</td>
<td>87°</td>
<td>78°</td>
<td>0.15kg [0.34lb]</td>
<td>202208-M</td>
<td>215105</td>
<td>205105</td>
</tr>
</tbody>
</table>

This item is available upon request

Holding Capacities

Dimensions shown “mm [inch]” £ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

Also Available:
See page MC-ACC-1 for accessories
Accommodates M6 or ¼” spindle accessory

Accessories (Supplied)

Dimensions and technical information are subject to change without notice
### 215 Series

**215-U**
Flanged Base
U-Bar

**215-S**
Flanged Base
Solid Bar

---

**Dimensions and technical information are subject to change without notice.**
225 SERIES

Horizontal Hold Down Clamps | Product Overview

Features:
- Low profile
- Stainless steel model furnished without plastic grip
- Available DESTACO® Toggle Lock Plus™

Applications:
- Assembly
- Checking fixtures
- Closures
- Woodworking

Also Available:
See page MC-ACC-1 for accessories
Accommodates M8 or 5/16” spindle accessory

Covered under one or more U.S./International Patents

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>225-U</td>
<td>2220 N [500 lbf]</td>
<td>92°</td>
<td>70°</td>
<td>0,25kg [0.55lb]</td>
<td>225208-M 507107</td>
</tr>
<tr>
<td>225-USS</td>
<td>2670 N [600 lbf]</td>
<td></td>
<td></td>
<td>0,31kg [0.69lb]</td>
<td>207943-M 507907</td>
</tr>
<tr>
<td>225-UR</td>
<td>2220 N [500 lbf]</td>
<td></td>
<td></td>
<td>0,25kg [0.55lb]</td>
<td>225208-M 507107</td>
</tr>
<tr>
<td>225-URSS</td>
<td>2670 N [600 lbf]</td>
<td></td>
<td></td>
<td>0,31kg [0.69lb]</td>
<td>207943-M 507907</td>
</tr>
<tr>
<td>225-UB</td>
<td>2220 N [500 lbf]</td>
<td></td>
<td></td>
<td>0,25kg [0.55lb]</td>
<td>225208-M 507107</td>
</tr>
<tr>
<td>225-UBSS</td>
<td>2670 N [600 lbf]</td>
<td></td>
<td></td>
<td>0,31kg [0.69lb]</td>
<td>207943-M 507907</td>
</tr>
</tbody>
</table>

① This item is available upon request

Dimensions and technical information are subject to change without notice
## 225 SERIES

### Horizontal Hold Down Clamps | Holding Capacities

### Dimensions | -U/-USS-/UB/-UBSS

<table>
<thead>
<tr>
<th>Model</th>
<th>X</th>
<th>X1</th>
<th>X2</th>
<th>Y</th>
<th>±HC1</th>
<th>±HC2</th>
<th>±EF(X1):AF</th>
<th>±EF(X2):AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>U/UR/UB</td>
<td>[0.12]</td>
<td>3,0</td>
<td>[1.25]</td>
<td>31,8</td>
<td>[2.50]</td>
<td>63,5</td>
<td>[3.56]</td>
<td>90,4</td>
</tr>
</tbody>
</table>

Dimensions shown “mm [inch]” ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force

See page MC-TEC-4 for additional information.

### Dimensions | -UR/-URSS

**225-UR/URSS**

**Flanged Base U-Bar**

DESTACO® Toggle Lock Plus

Dimensions and technical information are subject to change without notice.
235 SERIES

Horizontal Hold Down Clamps | Product Overview

Features:
- Low profile
- Available DESTACO® Toggle Lock Plus™
- Available in stainless steel

Applications:
- Assembly
- Checking fixtures
- Welding
- Closures
- Woodworking

Also Available:
See page MC-ACC-1 for accessories
Accommodates M10 or 3/8” spindle accessory

Covered under one or more U.S./International Patents

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
</tr>
</thead>
<tbody>
<tr>
<td>235-U</td>
<td>3340 N [750 lbf]</td>
<td></td>
<td></td>
<td>0.67kg [1.47lb]</td>
<td>240208-M</td>
<td>235106</td>
</tr>
<tr>
<td>235-USS</td>
<td>3780 N [850 lbf]</td>
<td></td>
<td></td>
<td>0.74kg [1.64lb]</td>
<td>240208-M</td>
<td>235106</td>
</tr>
<tr>
<td>235-UR</td>
<td>3340 N [750 lbf]</td>
<td>92°</td>
<td>70°</td>
<td>0.67kg [1.47lb]</td>
<td>240208-M</td>
<td>235106</td>
</tr>
<tr>
<td>235-URSS</td>
<td>3780 N [850 lbf]</td>
<td></td>
<td></td>
<td>0.74kg [1.64lb]</td>
<td>240208-M</td>
<td>235106</td>
</tr>
<tr>
<td>235-UB</td>
<td>3340 N [750 lbf]</td>
<td></td>
<td></td>
<td>0.67kg [1.47lb]</td>
<td>240208-M</td>
<td>235106</td>
</tr>
</tbody>
</table>

This item is available upon request

Holding Capacities

Dimensions shown “mm [inch]” ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

Dimensions and technical information are subject to change without notice
## 305, 307, 309 SERIES

### Horizontal Hold Down Clamps | Product Overview

#### Features:
- Compact design suitable for use in confined spaces
- Available DESTACO® Toggle Lock Plus™
- Stainless steel models available

#### Applications:
- Assembly & Test
- Light Machining
- Closures
- Woodworking

### Also Available:
See page MC-ACC-1 for accessories

### Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>305-U</td>
<td>670 N [150 lbf]</td>
<td>90°</td>
<td>170°</td>
<td>0,06kg [0.13lb]</td>
<td>Spindle Assembly: 305208-M, Flanged Washers: 102111</td>
</tr>
<tr>
<td>305-USS</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>305-UR</td>
<td>670 N [150 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>305-URSS</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>307-U</td>
<td>1560 N [350 lbf]</td>
<td>92°</td>
<td>173°</td>
<td>0,24kg [0.54lb]</td>
<td>Spindle Assembly: 307208-M, Flanged Washers: 507107</td>
</tr>
<tr>
<td>307-USS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>307-UR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>307-URSS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>309-U</td>
<td>3340 N [750 lbf]</td>
<td>90°</td>
<td>168°</td>
<td>1,30kg [0.59lb]</td>
<td>Spindle Assembly: 309208, Flanged Washers: 235106</td>
</tr>
<tr>
<td>309-USS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- This item is available upon request

Dimensions and technical information are subject to change without notice
305, 307, 309 SERIES
Horizontal Hold Down Clamps | Holding Capacities

Dimensions shown "mm [inch]" ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.

Dimensions | -U/-USS/-UR/-URSS

Model | X | X1 | X2 | Y | ±HC1 | ±HC2 | ±EF(X1):AF | ±EF(X2):AF
--- | --- | --- | --- | --- | --- | --- | --- | ---
305-U/UR | 14.6 | 35 | 47.7 | 11.14 | 670N | 1100N | 3:1 | 2:1
305-USS/305-URSS | 24 | 47.7 | 63.5 | 17.7 | 900N | 1500N
307-U/UR/USSS | 1.34 | 5.50 | 8.9 | 2.70 | 340N | 5300N | 4:1
307-U/UR/USSS | 34 | 63.5 | 89 | 68.5 | 1560N | 2360N
309-U/UR/USS | 0.58 | 3.85 | 5.50 | 3.35 | 670N | 1100N
309-U/UR/USS | 1.38 | 5.50 | 11.14 | 19.1 | 900N | 1500N

Dimensions and technical information are subject to change without notice
**206 SERIES**

Horizontal Hold Down Clamps | Product Overview

**Features:**
- All stainless steel construction
- Offers good bar clearance under clamping bar while maintaining low profile

**Applications:**
- Assembly
- Chemical processing
- Closures
- Light duty clamping

**Also Available:**
See page MC-ACC-1 for accessories
Accommodates M4 or #8 spindle accessory

---

206-SS
Flanged Base
Low U-Bar
Stainless Steel

206-HSS
Flanged Base
High U-Bar
Stainless Steel

---

**Technical Information**

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (+10°)</th>
<th>Handle Opening (+10°)</th>
<th>Weight [g] [lb]</th>
<th>Accessories (Supplied)</th>
</tr>
</thead>
<tbody>
<tr>
<td>206-SS</td>
<td>440 N [100 lbf]</td>
<td>90°</td>
<td>90°</td>
<td>0.03 [0.07]</td>
<td>205943-M</td>
</tr>
<tr>
<td>206-HSS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>105906</td>
</tr>
</tbody>
</table>

---

Model 206-HSS shown securing a platen on a prototyping machine.
206-SS
Flanged Base
Low U-Bar
Stainless Steel

Dimensions shown "mm [inch]" ‡ HC = Holding Capacity, EF = Exerting Force, AF = Applied Force
See page MC-TEC-4 for additional information.
5305, 5310 SERIES
Heavy Duty Horizontal Hold Down Clamps | Product Overview

Features:
• Solid clamping arm may be modified to suit requirements
• Hardened steel pivot pins and bushings provide long life
• Black oxide finish
• DESTACO® Toggle Lock Plus™ versions available†

Applications:
• Welding fixtures
• Assembly fixtures
• Light machining

5305/5310 Flanged Base
5305-B/5310-B Solid Base
5305-R/5310-R Flanged Base
5305-BR†/5310-BR† Solid Base

DESTACO® Toggle Lock Plus™

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Max. Holding Capacity</th>
<th>Clamp Bar Opening (°)</th>
<th>Handle Opening (°)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5305</td>
<td>[600lbf.] 2670N</td>
<td>90°</td>
<td>69°</td>
<td>[1.08lbs] 0,49kg</td>
</tr>
<tr>
<td>5305-B</td>
<td>[82lbs] 0,37kg</td>
<td>90°</td>
<td>69°</td>
<td>[1.09lbs] 0,49kg</td>
</tr>
<tr>
<td>5305-R</td>
<td>[83lbs] 0,37kg</td>
<td>90°</td>
<td>69°</td>
<td>[0.83lbs] 0,37kg</td>
</tr>
<tr>
<td>5305-BR†</td>
<td>[83lbs] 0,37kg</td>
<td>90°</td>
<td>69°</td>
<td>[0.83lbs] 0,37kg</td>
</tr>
<tr>
<td>5310</td>
<td>[1300lbf.] 5780N</td>
<td>90°</td>
<td>69°</td>
<td>[2.84lbs] 1,29kg</td>
</tr>
<tr>
<td>5310-B</td>
<td>[102lbs] 1,02kg</td>
<td>90°</td>
<td>69°</td>
<td>[2.24lbs] 1,02kg</td>
</tr>
<tr>
<td>5310-R</td>
<td>[130lbs] 1,30kg</td>
<td>90°</td>
<td>69°</td>
<td>[2.87lbs] 1,30kg</td>
</tr>
<tr>
<td>5310-BR†</td>
<td>[130lbs] 1,30kg</td>
<td>90°</td>
<td>69°</td>
<td>[2.27lbs] 1,03kg</td>
</tr>
</tbody>
</table>

† This item is available upon request.
† Toggle Lock Plus™ locks the handle in the closed position only.
## 5305, 5310 SERIES

### Heavy Duty Horizontal Hold Down Clamps | Dimensions

**5305/5310 Flanged Base**

- **Model**: 5305, 5310 Series
- **Options**: Flanged Base
- **Dimensions and technical information are subject to change without notice**

### Table: Dimensions of 5305, 5310 Series

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>A4</th>
<th>A5</th>
<th>B</th>
<th>B1</th>
<th>B2</th>
<th>C</th>
<th>C1</th>
<th>C2</th>
<th>D</th>
<th>F</th>
<th>H</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>5305</td>
<td>[2.50]</td>
<td>[3.15]</td>
<td>[2.12]</td>
<td>[2.75]</td>
<td>[4.63]</td>
<td>[5.27]</td>
<td>[0.79]</td>
<td>[0.98]</td>
<td>--</td>
<td>[1.84]</td>
<td>[0.81]</td>
<td>[0.51]</td>
<td>[0.31]</td>
<td>[0.35]</td>
<td>[0.51]</td>
<td>[1.51]</td>
</tr>
<tr>
<td>5305-R</td>
<td>[2.50]</td>
<td>[3.15]</td>
<td>[2.12]</td>
<td>[2.75]</td>
<td>[4.63]</td>
<td>[5.27]</td>
<td>[0.79]</td>
<td>[0.98]</td>
<td>--</td>
<td>[1.84]</td>
<td>[0.81]</td>
<td>[0.51]</td>
<td>[0.31]</td>
<td>[0.35]</td>
<td>[0.51]</td>
<td>[1.51]</td>
</tr>
<tr>
<td>5310</td>
<td>[3.63]</td>
<td>[4.63]</td>
<td>[2.63]</td>
<td>[3.63]</td>
<td>[6.25]</td>
<td>[7.25]</td>
<td>[1.13]</td>
<td>[1.50]</td>
<td>--</td>
<td>[2.31]</td>
<td>[1.00]</td>
<td>[0.75]</td>
<td>[0.31]</td>
<td>[0.41]</td>
<td>[0.79]</td>
<td>[2.00]</td>
</tr>
<tr>
<td>5310-R</td>
<td>[3.63]</td>
<td>[4.63]</td>
<td>[2.63]</td>
<td>[3.63]</td>
<td>[6.25]</td>
<td>[7.25]</td>
<td>[1.13]</td>
<td>[1.50]</td>
<td>--</td>
<td>[2.31]</td>
<td>[1.00]</td>
<td>[0.75]</td>
<td>[0.31]</td>
<td>[0.41]</td>
<td>[0.79]</td>
<td>[2.00]</td>
</tr>
</tbody>
</table>

### Notes:
- This item is available upon request

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Dimensions and technical information are subject to change without notice

MC-HHD | 30