# HORIZONTAL HOLD DOWN CLAMPS

Sizing and Application Chart

<table>
<thead>
<tr>
<th>Series</th>
<th>Page MC-HHD-#</th>
<th>Max. Holding Capacity N (lbf.)</th>
<th>Height Under Clamping Bar mm [inch]</th>
<th>Overall Height mm [inch]</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>3</td>
<td>0 to 1000 [0 to 225]</td>
<td>4 to 10 [0.16 to 0.39]</td>
<td>100 [4]</td>
</tr>
<tr>
<td>2017</td>
<td>5</td>
<td>1000 to 2000 [225 to 450]</td>
<td>10 to 20 [0.39 to 0.79]</td>
<td>157 [6.2]</td>
</tr>
<tr>
<td>2027</td>
<td>7</td>
<td>2000 to 3000 [450 to 675]</td>
<td>20 to 30 [0.79 to 1.18]</td>
<td>217 [8.5]</td>
</tr>
<tr>
<td>213</td>
<td>9</td>
<td>3000 to 5000 [675 to 1250]</td>
<td>30 to 40 [1.18 to 1.57]</td>
<td>275 [10.8]</td>
</tr>
<tr>
<td>217</td>
<td>11</td>
<td>5000 to 7000 [1250 to 1575]</td>
<td>40 to 50 [1.57 to 1.97]</td>
<td>331 [13.1]</td>
</tr>
<tr>
<td>227</td>
<td>13</td>
<td>7000 to 10000 [1575 to 2250]</td>
<td>50 to 60 [1.97 to 2.36]</td>
<td>394 [15.5]</td>
</tr>
<tr>
<td>237</td>
<td>15</td>
<td>0 to 25 [0 to 0.98]</td>
<td>0 to 10 [0.39 to 0.39]</td>
<td>55 [2.2]</td>
</tr>
<tr>
<td>245</td>
<td>17</td>
<td>10 to 20 [0.39 to 0.79]</td>
<td>10 to 20 [0.39 to 0.79]</td>
<td>65 [2.6]</td>
</tr>
<tr>
<td>205</td>
<td>19</td>
<td>20 to 30 [0.79 to 1.18]</td>
<td>20 to 30 [0.79 to 1.18]</td>
<td>75 [2.9]</td>
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<tr>
<td>215</td>
<td>21</td>
<td>30 to 40 [1.18 to 1.57]</td>
<td>30 to 40 [1.18 to 1.57]</td>
<td>85 [3.3]</td>
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<tr>
<td>225</td>
<td>23</td>
<td>40 to 50 [1.57 to 1.97]</td>
<td>40 to 50 [1.57 to 1.97]</td>
<td>95 [3.7]</td>
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<tr>
<td>235</td>
<td>25</td>
<td>50 to 60 [1.97 to 2.36]</td>
<td>50 to 60 [1.97 to 2.36]</td>
<td>105 [4.1]</td>
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<tr>
<td>305</td>
<td>27</td>
<td>0 to 25 [0 to 0.98]</td>
<td>0 to 25 [0 to 0.98]</td>
<td>115 [4.5]</td>
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<tr>
<td>307</td>
<td>27</td>
<td>10 to 20 [0.39 to 0.79]</td>
<td>10 to 20 [0.39 to 0.79]</td>
<td>125 [4.9]</td>
</tr>
<tr>
<td>309</td>
<td>27</td>
<td>20 to 30 [0.79 to 1.18]</td>
<td>20 to 30 [0.79 to 1.18]</td>
<td>135 [5.3]</td>
</tr>
<tr>
<td>206</td>
<td>29</td>
<td>30 to 40 [1.18 to 1.57]</td>
<td>30 to 40 [1.18 to 1.57]</td>
<td>145 [5.7]</td>
</tr>
<tr>
<td>5305</td>
<td>31</td>
<td>40 to 50 [1.57 to 1.97]</td>
<td>40 to 50 [1.57 to 1.97]</td>
<td>155 [6.1]</td>
</tr>
<tr>
<td>5310</td>
<td>31</td>
<td>50 to 60 [1.97 to 2.36]</td>
<td>50 to 60 [1.97 to 2.36]</td>
<td>165 [6.5]</td>
</tr>
</tbody>
</table>

Dimensions and technical information are subject to change without notice.
<table>
<thead>
<tr>
<th>Overall Length mm [inch]</th>
<th>Overall Width mm [inch]</th>
<th>Suitable Application Areas</th>
<th>Standard Material</th>
<th>Arm Style</th>
<th>Mounting Style</th>
<th>Service Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 to 75 [1.97 to 2.95]</td>
<td>75 to 100 [3.00 to 3.94]</td>
<td>Welding, Assembly</td>
<td>Steel</td>
<td>Solid Arm Version</td>
<td>Normal</td>
<td></td>
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<tr>
<td>75 to 100 [3.00 to 3.94]</td>
<td>100 to 125 [4.00 to 4.94]</td>
<td>Checking Fixtures</td>
<td>Stainless Steel</td>
<td>U-Bar Version</td>
<td>Harsh/Dirty</td>
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<tr>
<td>100 to 125 [4.00 to 4.94]</td>
<td>125 to 150 [4.94 to 5.91]</td>
<td>Machining</td>
<td>Toggle Lock Plus</td>
<td>Solid Arm Version</td>
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<td></td>
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<tr>
<td>125 to 150 [4.94 to 5.91]</td>
<td>150 to 175 [5.91 to 6.89]</td>
<td>Woodworking</td>
<td></td>
<td>Straight Base</td>
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<td></td>
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<tr>
<td>150 to 175 [5.91 to 6.89]</td>
<td>175 to 200 [6.89 to 7.87]</td>
<td>Closures</td>
<td></td>
<td>Flanged Base</td>
<td></td>
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<tr>
<td>175 to 200 [6.89 to 7.87]</td>
<td>200 to 225 [7.87 to 8.86]</td>
<td>Food Processing</td>
<td></td>
<td>Welded</td>
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<tr>
<td>200 to 225 [7.87 to 8.86]</td>
<td>225 to 250 [8.86 to 9.84]</td>
<td>Duty Cycle</td>
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<td>Normal</td>
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<tr>
<td>225 to 250 [8.86 to 9.84]</td>
<td>250 to 300+ [9.84+]</td>
<td>Steel</td>
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<td>0 to 25 [0 to 0.98]</td>
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<tr>
<td>250 to 300+ [9.84+]</td>
<td>0 to 50 [0 to 1.57]</td>
<td>Stainless Steel</td>
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<td>0 to 25 [0 to 0.98]</td>
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<td></td>
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<tr>
<td>0 to 50 [0 to 1.57]</td>
<td>100 to 125 [4.00 to 4.94]</td>
<td>Excellent/High</td>
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<td>0 to 25 [0 to 0.98]</td>
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<td>100 to 125 [4.00 to 4.94]</td>
<td>125 to 150 [4.94 to 5.91]</td>
<td>Fair/Medium</td>
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<td>0 to 25 [0 to 0.98]</td>
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<tr>
<td>125 to 150 [4.94 to 5.91]</td>
<td>150 to 175 [5.91 to 6.89]</td>
<td>Poor/Low</td>
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<td>0 to 25 [0 to 0.98]</td>
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<td></td>
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<tr>
<td>150 to 175 [5.91 to 6.89]</td>
<td>175 to 200 [6.89 to 7.87]</td>
<td>Not Recommended</td>
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<td>0 to 25 [0 to 0.98]</td>
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</table>

Dimensions and technical information are subject to change without notice.

MC-HHD | 2

DESTACO is a company.
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
with DESTACO®
Toggle Lock Plus™

Accessories (Supplied)

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

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

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/UR</td>
<td>[0.63]</td>
<td>16</td>
<td>[0.95]</td>
<td>24</td>
<td>[1.95]</td>
<td>49,5</td>
<td>[295 lbf]</td>
<td>[175 lbf]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1310N</td>
<td>780N</td>
<td></td>
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</table>

† This item is available upon request

Dimensions and technical information are subject to change without notice
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

2017-U
Flanged Base
U-Bar

2017-U-LS-BLK[1]
Blackout Series
Flanged Base
U-Bar

2017-UR
Flanged Base, U-Bar
with DESTACO®
Toggle Lock
Plus™

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>
</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>
<td>215105</td>
</tr>
<tr>
<td>2017-U-LS-BLK[1]</td>
<td>2500 N [560 lbf]</td>
<td>73°</td>
<td>69°</td>
<td>0.44kg [0.97lb]</td>
<td>--</td>
<td>215105-BLK</td>
</tr>
<tr>
<td>2017-UR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>215208-M</td>
<td>215105</td>
</tr>
</tbody>
</table>

1 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/UR</td>
<td>27.4</td>
<td>42</td>
<td>80</td>
<td>64.5</td>
<td>[560lbf.]</td>
<td>2500N</td>
<td>5:1</td>
<td>2.5:1</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.

Dimensions and technical information are subject to change without notice
2017-U
Flanged Base
U-Bar

Dimensions and technical information are subject to change without notice
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 1/2 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

2027-U
Flanged Base
U-Bar

2027-U-LS-BLK
Blackout Series
Flanged Base
U-Bar

2027-UR
Flanged Base, U-Bar with DESTACO®
Toggle Lock Plus™

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>2027-U</td>
<td>3740 N [840 lbf]</td>
<td>68°</td>
<td>70°</td>
<td>0.61kg [1.34lb]</td>
<td>2007208-M 507107</td>
</tr>
<tr>
<td>2027-U-LS-BLK</td>
<td>3740 N [840 lbf]</td>
<td>68°</td>
<td>70°</td>
<td>0.61kg [1.34lb]</td>
<td>2007208-M 507107-BLK</td>
</tr>
<tr>
<td>2027-UR</td>
<td></td>
<td></td>
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<td></td>
<td>2007208-M 507107</td>
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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.
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

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>
</tr>
</thead>
<tbody>
<tr>
<td>213-U</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>213-U-LS-BLK</td>
<td></td>
<td></td>
<td></td>
<td></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>
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<tr>
<td>213-UB</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>213-UB-LS-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>213-U-L</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>213-U-L-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>213-UB-L</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>213-UB-L-BLK</td>
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<td></td>
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</table>

Accessories (Supplied)

<table>
<thead>
<tr>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
</tr>
</thead>
<tbody>
<tr>
<td>213208-M</td>
<td>102111</td>
</tr>
<tr>
<td>--</td>
<td>102111-BLK</td>
</tr>
<tr>
<td>201943-M</td>
<td>102911</td>
</tr>
<tr>
<td>213208-M</td>
<td>102111</td>
</tr>
<tr>
<td>213208-M</td>
<td>102111</td>
</tr>
<tr>
<td>--</td>
<td>102111-BLK</td>
</tr>
<tr>
<td>--</td>
<td>102111</td>
</tr>
<tr>
<td>--</td>
<td>102111</td>
</tr>
<tr>
<td>--</td>
<td>102111-BLK</td>
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</table>

This item is available upon request
213 SERIES

Horizontal Hold Down Clamps | Holding Capacities

### 213-U
Flanged Base U-Bar

<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/USS/UB</td>
<td>[0.36]</td>
<td>[0.75]</td>
<td>[1.63]</td>
<td>[1.81]</td>
<td>[150lb.]</td>
<td>[70lb.]</td>
<td>7:1</td>
<td>3:1</td>
</tr>
<tr>
<td>U-L/UB-L</td>
<td>[0.16]</td>
<td>[1.39]</td>
<td>[35.3]</td>
<td>[0.74]</td>
<td>[18.8]</td>
<td>[9.5]</td>
<td>[0.26]</td>
<td>[6.6]</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 213 Open Bar Options**

<table>
<thead>
<tr>
<th>Flanged Base Model</th>
<th>213-U-L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight Base Model</td>
<td>213-UB-L</td>
</tr>
</tbody>
</table>

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

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#### 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></td>
</tr>
<tr>
<td>217-U-LS-BLK</td>
<td>1110 N [250 lbf]</td>
<td>91°</td>
<td>61°</td>
<td>0.18kg [0.40lb]</td>
<td>202208-M</td>
</tr>
<tr>
<td>217-USS</td>
<td>1110 N [250 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>215105-BLK</td>
</tr>
<tr>
<td>217-UB</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>217-UB-LS-BLK</td>
<td>1110 N [250 lbf]</td>
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<td>61°</td>
<td>0.18kg [0.40lb]</td>
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<tr>
<td>217-U-L</td>
<td>900 N [200 lbf]</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>217-U-L-BLK</td>
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<td>61°</td>
<td>0.18kg [0.40lb]</td>
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</tr>
<tr>
<td>217-UB-L</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>217-UB-L-BLK</td>
<td>1110 N [250 lbf]</td>
<td>91°</td>
<td>61°</td>
<td>0.18kg [0.40lb]</td>
<td>202208-M</td>
</tr>
</tbody>
</table>

① This item is available upon request

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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></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UB/U-L/</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.

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

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

Dimensions and technical information are subject to change without notice

MC-HHD | 12
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>0.31kg [0.68lb]</td>
<td>Spindle Assembly</td>
</tr>
<tr>
<td>227-U-LS-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>225208-M</td>
</tr>
<tr>
<td>227-USS</td>
<td>2670 N [600 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>507107</td>
</tr>
<tr>
<td>227-UB</td>
<td>2220 N [500 lbf]</td>
<td>91°</td>
<td>56°</td>
<td></td>
<td>507107</td>
</tr>
<tr>
<td>227-UB-L-LS-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>507107-BLK</td>
</tr>
<tr>
<td>227-U-L-LS-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>507107-BLK</td>
</tr>
<tr>
<td>227-U-L-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>507107-BLK</td>
</tr>
<tr>
<td>227-U-L</td>
<td>2220 N [500 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>507107</td>
</tr>
<tr>
<td>227-U-L-L-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>507107-BLK</td>
</tr>
<tr>
<td>227-UB-L</td>
<td>2220 N [500 lbf]</td>
<td>91°</td>
<td>56°</td>
<td></td>
<td>507107</td>
</tr>
<tr>
<td>227-UB-L-LS-BLK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>507107-BLK</td>
</tr>
</tbody>
</table>

① 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</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>10.0</td>
<td>31.8</td>
<td>70.0</td>
<td>91.0</td>
<td>[500lb.]</td>
<td>[225lb.]</td>
<td>8:1</td>
<td>3:1</td>
</tr>
<tr>
<td>USS</td>
<td>2220N</td>
<td>1000N</td>
<td>2670N</td>
<td>1200N</td>
<td>[600lb.]</td>
<td>[270lb.]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UB/U-L/UB-L</td>
<td>500lb.</td>
<td>[225lb.]</td>
<td>2220N</td>
<td>1000N</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.

**227-U**  
Flanged Base  
U-Bar

**Series 227 Open Bar Options**

- **Flanged Base**  
  Model 227-U-L

- **Straight Base**  
  Model 227-UB-L

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

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

- **Flanged Base Model 227-U-L**
  - X: [0.34] 8.6
  - X1: [1.49] 37.7
  - X2: [2.39] 60.7
  - Y: [3.09] 78.6

- **Straight Base Model 227-UB-L**
  - X: [0.19] 4.8
  - X1: [0.28] 7.0
  - X2: [0.26] 6.6
  - Y: [1.57] 40.0

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 Spindle Assembly</th>
<th>Weight Flanged Washers</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>240208-M</td>
</tr>
<tr>
<td>237-USS</td>
<td>3780 N [850 lbf]</td>
<td>93°</td>
<td>59°</td>
<td>0,73kg [1.60lb]</td>
<td>237943-M</td>
</tr>
</tbody>
</table>

① This item is available upon request

---

**Holding Capacities**

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>[0.81]</td>
<td>[1.75]</td>
<td>[4.50]</td>
<td>[5.25]</td>
<td>[750 lbf.]</td>
<td>[3340 N]</td>
<td>6:1</td>
<td>2:1</td>
</tr>
<tr>
<td>USS</td>
<td>20.6</td>
<td>44.5</td>
<td>114.3</td>
<td>133.3</td>
<td>[290 lbf.]</td>
<td>[1290 N]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See page MC-TEC-4 for additional information.
237-U
Flanged Base
U-Bar

 Dimensions and technical information are subject to change without notice

MC-HHD | 16
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

245-U
Flanged Base
U-Bar

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>245-U</td>
<td>4450 N [1000 lbf]</td>
<td>105°</td>
<td>74°</td>
<td>1.32kg [2.90lb]</td>
<td>Spindle Assembly 247208-M, Flanged Washers 247109</td>
</tr>
</tbody>
</table>

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>0.50</td>
<td>2.00</td>
<td>5.00</td>
<td>6.09</td>
<td>[1000lbf.]</td>
<td>[400lbf.]</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.
245-U
Flanged Base
U-Bar

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

**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 [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
<tr>
<td>205-UB</td>
<td><strong>270N [60 lbf]</strong></td>
<td>90°</td>
<td>80°</td>
<td>0.03kg [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
<tr>
<td>205-UL</td>
<td>340N [75 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
<tr>
<td>205-S</td>
<td>270N [60 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
</tbody>
</table>

<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-US</td>
<td>340N [75 lbf]</td>
<td>94°</td>
<td>82°</td>
<td>0.03kg [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
<tr>
<td>205-SB</td>
<td>270N [60 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
<tr>
<td>205-SL</td>
<td>340N [75 lbf]</td>
<td>94°</td>
<td>82°</td>
<td>0.03kg [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
<tr>
<td>205-SR</td>
<td>340N [75 lbf]</td>
<td>90°</td>
<td>80°</td>
<td>0.03kg [0.06lb]</td>
<td>205208-M, 105106</td>
</tr>
</tbody>
</table>

* This item is available upon request

**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

---

**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

---

**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

---

**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

---

# Horizontal Hold Down Clamps | Product Overview

205 Series
### Dimensions | -U/-UB/-UL/-UR/-USS/-S/-SB/-SL/-SR/-SSS

**Model** | **X** | **X1** | **X2** | **Y** | **HC1** | **HC2** | **EF(X1):AF** | **EF(X2):AF**
--- | --- | --- | --- | --- | --- | --- | --- | ---
U | 0.22 | 0.43 | 11 | 0.81 | 20.5 | 1.31 | 33.2 | 9:1 | 5:1
USS | 5,6 | 0.22 | 11 | 0.81 | 20.5 | 1.31 | 33.2 | 9:1 | 5:1
S | -- | -- | -- | -- | -- | -- | -- | 4:1
SSS | -- | -- | -- | -- | -- | -- | -- | 4:1

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

---

**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>
</tr>
</thead>
<tbody>
<tr>
<td>215-U</td>
<td>890 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>215-USS</td>
<td>1110 N [250 lbf]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>215-UB</td>
<td>890 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>215-S</td>
<td>890 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accessories (Supplied)

<table>
<thead>
<tr>
<th>Model</th>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
<th>Bolt Retainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>215-U</td>
<td>202208-M</td>
<td>215105</td>
<td></td>
</tr>
<tr>
<td>215-USS</td>
<td>202943-M</td>
<td>215905</td>
<td></td>
</tr>
<tr>
<td>215-UB</td>
<td>202208-M</td>
<td>215105</td>
<td></td>
</tr>
<tr>
<td>215-S</td>
<td>--</td>
<td>--</td>
<td>205105</td>
</tr>
</tbody>
</table>

This item is available upon request

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

Horizontal Hold Down Clamps | Product Overview

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

Applications:
- Assembly
- Checking fixtures
- Closures
- Woodworking

Also Available:
See page MC-ACC-1 for accessories
Accommodates M8 or $\frac{5}{16}$” 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>

This item is available upon request

MC-HHD | 23
Dimensions and technical information are subject to change without notice
Dimensions | -U/-USS/-UB/-UBSS

Dimensions | -UR/-URSS

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

Features:
• Low profile
• Available with 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>92°</td>
<td>70°</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>92°</td>
<td>70°</td>
<td>0,74kg [1.64lb]</td>
<td>237943-M</td>
<td>235906</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>92°</td>
<td>70°</td>
<td>0,74kg [1.64lb]</td>
<td>237943-M</td>
<td>235906</td>
</tr>
<tr>
<td>235-UB</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>
</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.
235-UR
Flanged Base, U-Bar
with DESTACO®
Toggle Lock Plus™

Dimensions | -UR

M10 OR 3/8
IF SUPPLIED

OPENING

DESTACO®
TOGGLE LOCK
PLUS™

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 with 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>Spindle Assembly</th>
<th>Flanged Washers</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>305208-M</td>
<td>102111</td>
</tr>
<tr>
<td>305-USS</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>201943-M</td>
<td>102911</td>
</tr>
<tr>
<td>305-UR</td>
<td>670 N [150 lbf]</td>
<td></td>
<td></td>
<td>0,24kg [0.54lb]</td>
<td>307208-M</td>
<td>507107</td>
</tr>
<tr>
<td>305-URSS</td>
<td>900 N [200 lbf]</td>
<td></td>
<td></td>
<td></td>
<td>207943-M</td>
<td>507907</td>
</tr>
<tr>
<td>307-U</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>309208</td>
<td>235106</td>
</tr>
<tr>
<td>307-USS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>237943-M</td>
<td>235906</td>
</tr>
<tr>
<td>309-U</td>
<td>1560 N [350 lbf]</td>
<td>92°</td>
<td>173°</td>
<td>0,24kg [0.54lb]</td>
<td>309208</td>
<td>235106</td>
</tr>
<tr>
<td>309-USS</td>
<td>3340 N [750 lbf]</td>
<td>90°</td>
<td>168°</td>
<td>1,30kg [0.59lb]</td>
<td>309208</td>
<td>235106</td>
</tr>
</tbody>
</table>

① 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.

305-U
Flanged Base
U-Bar

307-UR
Flanged Base,
U-Bar with
DESTACO®
Toggle
Lock
Plus™

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

<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>305-U/UR</td>
<td>14.6</td>
<td>35</td>
<td>47.7</td>
<td>29</td>
<td>[150lbf.]</td>
<td>670N</td>
<td>3:1</td>
<td></td>
</tr>
<tr>
<td>305-USS/</td>
<td>24</td>
<td>47.7</td>
<td>63.5</td>
<td>45</td>
<td>[200lbf.]</td>
<td>900N</td>
<td>2:1</td>
<td></td>
</tr>
<tr>
<td>307-U/UR/</td>
<td>24</td>
<td>47.7</td>
<td>63.5</td>
<td>45</td>
<td>[350lbf.]</td>
<td>1560N</td>
<td>4:1</td>
<td></td>
</tr>
<tr>
<td>USS/URSS</td>
<td>34</td>
<td>63.5</td>
<td>89</td>
<td>68.5</td>
<td>[750lbf.]</td>
<td>3340N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>309-U/UR/</td>
<td>34</td>
<td>63.5</td>
<td>89</td>
<td>68.5</td>
<td>[200lbf.]</td>
<td>900N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USS/URSS</td>
<td>34</td>
<td>63.5</td>
<td>89</td>
<td>68.5</td>
<td>[150lbf.]</td>
<td>670N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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</th>
<th>Spindle Assembly</th>
<th>Flanged Washers</th>
</tr>
</thead>
<tbody>
<tr>
<td>206-SS</td>
<td>440 N [100 lbf]</td>
<td>90°</td>
<td>90°</td>
<td>0,03kg [0.07lb]</td>
<td>205943-M</td>
<td>105906</td>
</tr>
<tr>
<td>206-HSS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Model 206-HSS shown securing a platen on a prototyping machine.
206 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>SS/HSS</td>
<td>0.20</td>
<td>0.43</td>
<td>1.06</td>
<td>1.14</td>
<td>440N</td>
<td>220N</td>
<td>5:1</td>
<td>3:1</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.

Dimensions | -SS/-HSS

Dimensions and technical information are subject to change without notice
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 with DESTACO® Toggle Lock Plus™

5305-BR/5310-BR
Solid Base with DESTACO® Toggle Lock Plus™

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>
</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>[0.82lbs] 0.37kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5305-R</td>
<td>[1.09lbs] 0.49kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5305-BR†</td>
<td>[0.83lbs] 0.37kg</td>
<td></td>
<td></td>
<td></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>[2.24lbs] 1.02kg</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>5310-R</td>
<td>[2.87lbs] 1.30kg</td>
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</tr>
<tr>
<td>5310-BR†</td>
<td>[2.27lbs] 1.03kg</td>
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</tr>
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</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

<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>20,6</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>63,5</td>
<td>80,0</td>
<td>69,9</td>
<td>117,6</td>
<td>133,9</td>
<td>20,1</td>
<td>24,9</td>
<td>20,6</td>
<td>13,0</td>
<td>7,9</td>
<td>8,9</td>
<td>13,0</td>
<td>38,4</td>
<td>212,4</td>
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</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>
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<td>58,7</td>
<td>25,4</td>
<td>19,1</td>
<td>[0.41]</td>
<td>[0.79]</td>
<td>[2.00]</td>
</tr>
<tr>
<td>5310-R</td>
<td>92,2</td>
<td>117,6</td>
<td>92,2</td>
<td>158,8</td>
<td>184,2</td>
<td>28,7</td>
<td>38,1</td>
<td>58,7</td>
<td>19,1</td>
<td>7,9</td>
<td>10,4</td>
<td>20,1</td>
<td>50,8</td>
<td>279,8</td>
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</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>A3</th>
<th>A4</th>
<th>B2</th>
<th>C</th>
<th>C1</th>
<th>F</th>
<th>H</th>
<th>L</th>
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</thead>
<tbody>
<tr>
<td>5305-B</td>
<td>[2.75]</td>
<td>[4.63]</td>
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<td>[0.81]</td>
<td>[0.51]</td>
<td>[0.51]</td>
<td>[1.51]</td>
<td>[8.36]</td>
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<tr>
<td>5305-BR(1)</td>
<td>69,9</td>
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<td>20,6</td>
<td>13,0</td>
<td>13,0</td>
<td>38,4</td>
<td>212,4</td>
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<tr>
<td>5310-B</td>
<td>[3.63]</td>
<td>[6.25]</td>
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<td>[1.00]</td>
<td>[0.75]</td>
<td>[0.79]</td>
<td>[2.35]</td>
<td>[11.13]</td>
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<td>5310-BR(1)</td>
<td>92,2</td>
<td>158,8</td>
<td>25,4</td>
<td>19,1</td>
<td>20,1</td>
<td>59,6</td>
<td>[11.02]</td>
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</tr>
</tbody>
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(1) This item is available upon request

Dimensions and technical information are subject to change without notice

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