

# 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

**305-U**  
Flanged Base  
U-Bar



**305-USS**  
Flanged Base  
U-Bar, Stainless  
Steel



**305-UR**  
Flanged Base,  
U-Bar with  
DESTACO®  
Toggle  
Lock  
Plus



**307-U**  
Flanged Base  
U-Bar



**307-USS**  
Flanged Base  
U-Bar, Stainless  
Steel



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



**309-U**  
Flanged Base  
U-Bar



**309-USS**  
Flanged Base  
U-Bar, Stainless  
Steel



**309-UR①**  
Flanged Base,  
U-Bar with  
DESTACO®  
Toggle  
Lock  
Plus



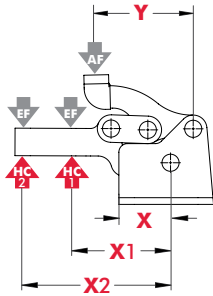
## Technical Information

| Model   | Max. Holding Capacity | Clamp Bar Opening (+10°) | Handle Opening (+10°) | Weight          | Accessories (Supplied) |                 |
|---------|-----------------------|--------------------------|-----------------------|-----------------|------------------------|-----------------|
|         |                       |                          |                       |                 | Spindle Assembly       | Flanged Washers |
| 305-U   | 670 N [150 lbf]       | 90°                      | 170°                  | 0,06kg [0.13lb] | 305208-M               | 102111          |
| 305-USS | 900 N [200 lbf]       |                          |                       |                 | 201943-M               | 102911          |
| 305-UR  | 670 N [150 lbf]       |                          |                       |                 | 305208-M               | 102111          |
| 307-U   | 1560 N [350 lbf]      | 92°                      | 173°                  | 0,24kg [0.54lb] | 307208-M               | 507107          |
| 307-USS |                       |                          |                       |                 | 207943-M               | 507907          |
| 307-UR  |                       |                          |                       |                 | 307208-M               | 507107          |
| 309-U   | 3340 N [750 lbf]      | 90°                      | 168°                  | 1,30kg [0.59lb] | 309208                 | 235106          |
| 309-USS |                       |                          |                       |                 | 237943-M               | 235906          |
| 309-UR① |                       |                          |                       |                 | 309208                 | 235106          |

① This item is available upon request

# 305, 307, 309 SERIES

## Horizontal Hold Down Clamps | Holding Capacities

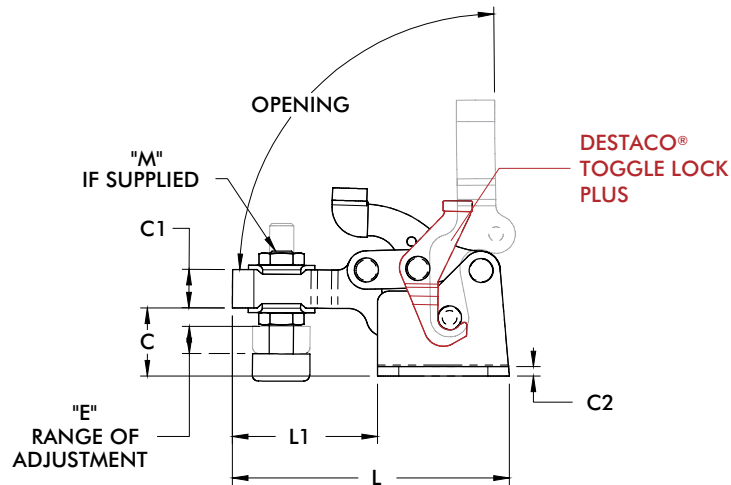
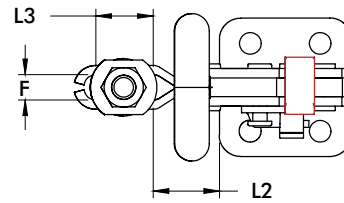
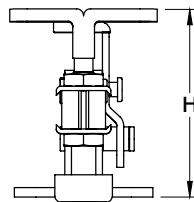


| Model        | X              | X1             | X2             | Y              | ±HC1               | ±HC2               | ±EF(X1):AF | ±EF(X2):AF |
|--------------|----------------|----------------|----------------|----------------|--------------------|--------------------|------------|------------|
| 305-U/UR     | [0.58]<br>14,6 | [1.38]<br>35   | [1.88]<br>47,7 | [1.14]<br>29   | [150lbf.]<br>670N  | [110lbf.]<br>490N  | 3:1        | 2:1        |
| 305-USS      |                |                |                |                | [200lbf.]<br>900N  | [150lbf.]<br>670N  |            |            |
| 307-U/UR/USS | [0.94]<br>24   | [1.88]<br>47,7 | [2.50]<br>63,5 | [1.77]<br>45   | [350lbf.]<br>1560N | [260lbf.]<br>1160N | 4:1        |            |
| 309-U/UR/USS | [1.34]<br>34   | [2.50]<br>63,5 | [3.50]<br>89   | [2.70]<br>68,5 | [750lbf.]<br>3340N | [530lbf.]<br>2360N |            |            |

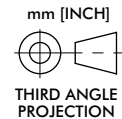
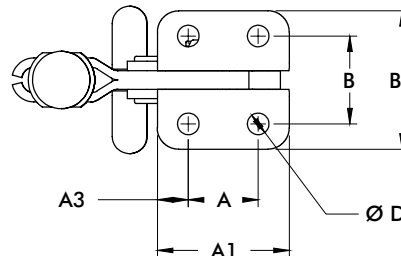
Dimensions shown "mm [inch]" ± HC = Holding Capacity, EF = Exerting Force, AF = Applied Force  
See page MC-TEC-4 for additional information.

## Dimensions | -U/-USS/-UR

### 305-U Flanged Base U-Bar



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



| Model    | A              | A1              | A3             | B              | B1             | C              | C1             | C2            | D             | E              | F              | H              | L               | L1             | L2             | L3             | M               |
|----------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|-----------------|
| 305-U/UR | [0.53]<br>13,5 | [1.035]<br>26,3 | [0.25]<br>6,4  | [0.63]<br>16,0 | [1.02]<br>25,9 | [0.48]<br>12,2 | [0.31]<br>7,9  | [0.08]<br>2,0 | [0.18]<br>4,6 | [0.31]<br>8    | [0.21]<br>5,3  | [1.43]<br>36,3 | [2.21]<br>56,1  | [1.19]<br>30,2 | [0.51]<br>13,0 | [0.50]<br>12,7 | [#10]<br>M5     |
| 307-U/UR | [0.91]<br>23,1 | [1.72]<br>43,7  | [0.40]<br>10,2 | [1.14]<br>29,0 | [1.80]<br>45,7 | [0.89]<br>22,6 | [0.50]<br>12,7 | [0.12]<br>3,0 | [0.28]<br>7,1 | [0.37]<br>9,5  | [0.33]<br>8,4  | [2.36]<br>59,9 | [3.61]<br>91,7  | [1.89]<br>48,0 | [0.86]<br>21,8 | [0.75]<br>19,1 | [5/16]<br>M8    |
| 309-U/UR | [1.38]<br>35,1 | [2.52]<br>64,0  | [0.58]<br>14,7 | [1.50]<br>38,1 | [2.47]<br>62,7 | [1.31]<br>33,3 | [0.75]<br>19,1 | [0.12]<br>3,0 | [0.33]<br>8,4 | [0.72]<br>18,5 | [0.44]<br>10,4 | [3.53]<br>89,7 | [5.19]<br>131,8 | [2.68]<br>68,1 | [1.28]<br>32,5 | [1.06]<br>26,9 | [3/8-16]<br>M10 |