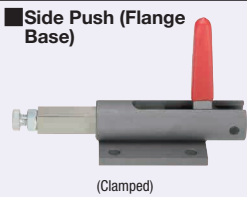


## Side Push (Flange Base) / Smooth Stroke (Flange Base)

■ **Features:** MC07-14, MC07-15 and MC07-16 can be used for welding and machining fixtures.

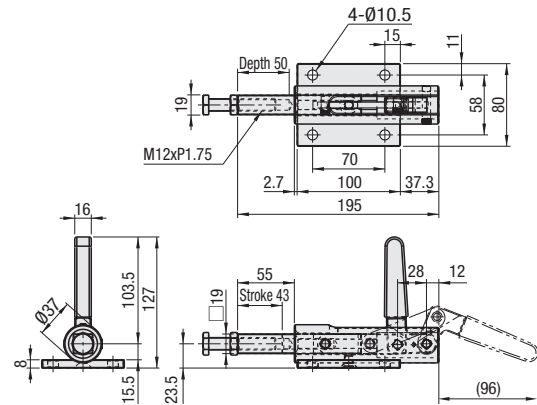


(Clamped)

\* Shaft: Nickel Plating

<b>Part Number</b>	<b>MC07-14</b>
<b>Material</b>	Main Body / Attaching Portion: S45C
<b>Surface Treatment</b>	Chemical Conversion Coating
<b>Stroke (mm)</b>	43
<b>Tightening Force (N)</b>	3000
<b>Weight (g)</b>	1600
<b>Handle Open-Close Angle</b>	115°
<b>Accessory</b>	Steel Bolt
<b>Unit Price</b>	

## MC07-14

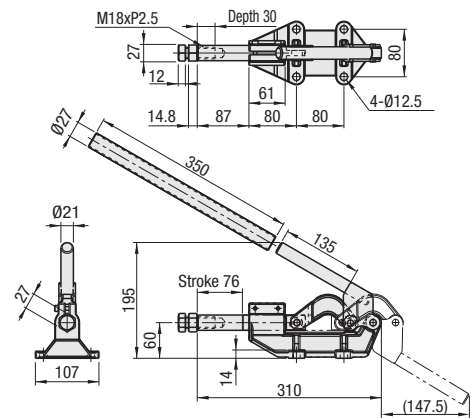


(Clamped)

\* Shaft: Nickel Plating

<b>Part Number</b>	<b>MC07-16</b>
<b>Material</b>	Main Body: SS400 / Attaching Portion: FC2450
<b>Surface Treatment</b>	Main Body: *Trivalent Chromate / Attaching Portion: Chemical Conversion Coating
<b>Stroke (mm)</b>	76
<b>Tightening Force (N)</b>	16000
<b>Weight (g)</b>	4360
<b>Handle Open-Close Angle</b>	180°
<b>Accessory</b>	Steel Bolt, Tube
<b>Unit Price</b>	

## MC07-16



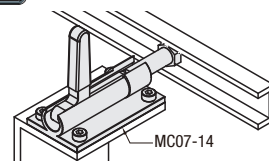
### Example

Part Number

MC07-14  
MC08-1



### Example



MC07-14

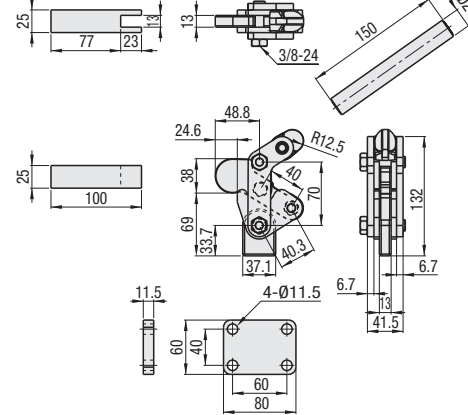
### Welding Clamps (Flange Base, Straight Base)

■ **Features:** MC09-2S is Straight Base Type of Welding Clamp MC09-2.

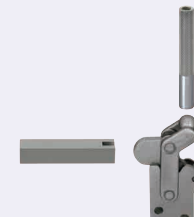


Part Number	MC09-1	MC09-2	MC09-3
Body Material	SS400 (with Hardened Bushing)		
Weight (g)	845	2130	4100
Tightening Force (N)	1960	4900	9800
Handle Movement Angle	122°	122°	128°
Arm Movement Angle	196°	191°	197°

## MC09-2



### ■ Weld-On Clamps (Straight Base)



<b>Part Number</b>	<b>MC09-2S</b>
<b>Body Material</b>	SS400 (with Hardened Bushing)
<b>Weight (g)</b>	2500
<b>Tightening Force (N)</b>	5000
<b>Handle Movement Angle</b>	122°
<b>Arm Movement Angle</b>	191°



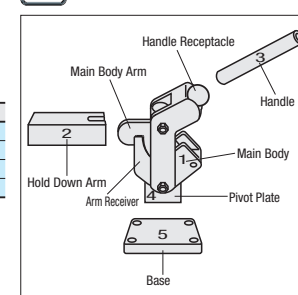
## Ordering

Part Number  
MC09-1  
MC09-2S

Part Number	Unit Price
MC09-1	
MC09-2	
MC09-3	
MC09-2S	



## How to Use Welding Clamps for Various Applications



Weld-On Clamps are composed of 4 parts shown to the left; handle, main body, base and arm.

- ① Determine the mounting position of the main body.
  - ② Determine the length of the control arm, then connect to the body arm by welding.
  - ③ Given space from the fixture for clamp mounting, determine the height of the handle, and weld the handle and the body handle receiver.
  - ④ Determine the angle between the main body and the supporting plate, and weld them together.
  - ⑤ Determine how to mount a clamp on to the fixture. If the base is used, weld the base and the supporting plate together.
- Assemble a Weld-On clamp as described above.
- Welding Clamps can be flexibly assembled depending on different working situations, thus can be used in wide range of applications.
  - Heat treatment (hardness 60HRC) ensures abrasion-resistant assembly of the pin constituting the supporting point, and the surrounding bushing. The clamps are best for fixtures that require frequent use or accuracy.