GR84 Modular Mini Clamp

“9Sx” 90° Jaw Arrangement - Standard Fixed Jaw

“9Fx” 90° Jaw Arrangement - Flange Fixed Jaw

Replacement Part #
GR84-JFA

GR84-JA-F-L (LEFT HAND)
GR84-JA-F-R (RIGHT HAND)

Dimensions and technical information are subject to change without notice.
**Modular Gripping Products**

**GR84 Modular Mini Clamp**

"9Ax" 90° Jaw Arrangement - Adjustable Fixed Jaw

**OPTION “K”**
JAW BLOCK
SEE PAGE 10
FOR DETAILS

“xx3”, “xx6”, “xx9” 90° Jaw Arrangement - Preset Active Jaw Opening

**Replacement Part #**
- GR84-JA-EX-L (LEFT HAND)
- GR84-JA-EX-R (RIGHT HAND)

**Cylinder Mount**
- Bx Flange Base 132.6 [5.22]
- Cx Round Base 130.8 [5.15]

Dimensions and technical information are subject to change without notice

www.destaco.com
GR84 Modular Mini Clamp

“SSx” Straight Jaw Arrangement - Standard Fixed Jaw

“SFx” Straight Jaw Arrangement - Flange Fixed Jaw

Replacement Part #
GR84-JFA

Replacement Part #
GR84-JA-F-L (LEFT HAND)
GR84-JA-F-R (RIGHT HAND)

Dimensions and technical information are subject to change without notice.
GR84 Modular Mini Clamp

“SAx” Straight Jaw Arrangement - Adjustable Fixed Jaw

“xx3”, “xx6”, “xx9” Straight Jaw Arrangement - Preset Active Jaw Opening

Replacement Part #
GR84-JA-EX-L (LEFT HAND)
GR84-JA-EX-R (RIGHT HAND)

Cylinder Mount | Length “L”
---|---
Bx Flange Base | 132.6 [5.22]
Cx Round Base | 130.8 [5.15]
**GR84 Modular Mini Clamp**

"Bx" Flange Base Cylinder

**OPEN GRIPPER PORT**

**CLOSED GRIPPER PORT**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>30°</th>
<th>60°</th>
<th>90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROKE “A”</td>
<td>21.3 [0.84]</td>
<td>32.8 [1.29]</td>
<td>42.9 [1.69]</td>
</tr>
</tbody>
</table>

**JAW OPENING**

**PATENT#** 6,619,182

**E = 1/8” NPT (ENGLISH)**

**M = 1/8” G (METRIC)**

---

**“Cx” Round Base Cylinder**

**OPEN GRIPPER PORT**

**CLOSED GRIPPER PORT**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>30°</th>
<th>60°</th>
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**JAW OPENING**

**PATENT#** 6,619,182

**E = 1/8” NPT (ENGLISH)**

**M = 1/8” G (METRIC)**

---

**Replacement Part #**

**GR84-CYL-B**

**GR84-CYL-C**

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Dimensions and technical information are subject to change without notice.
GR84 Modular Mini Clamp

Technical Information

Wiring diagram of electrical sensing system

PNP Pin Configuration

Open/Closed Sensor Options:

“A1” Replacement Part# “8EA-054-1”+”GR84-SB” 10...30 VDC 150mA, PNP, 4-Pin, M12, Eurofast
(Fasteners required for “A1” replacement: (2x) M5x10-912-ZN, (1x) M4x20-7984)

Specifications

Weight: 1.5 kg [3.2 lb]
Grip Range (Standard and Flange with Jaw Inserts) 0mm - 8mm [0 to 0.31”]
Arm Position Tolerance: ±0.33°
Arm Lateral Tolerance: ±0.3mm [0.01]
Cycle Speed @ 60 psi: 0.6 Sec (Open/Closed)
The GR84 Mini-Clamp utilizes a self-locking linkage system. If the air is lost while fully closed, the mini-clamp will continue to hold the part. The amount of air required to achieve the high gripping forces is greater than pressure to release or open the mini-clamp. If there is a slight drop of pressure during the opening cycle, the mini-clamp will still release the part. Other self locking systems can jam and require more air to release the part than it would need to grip it.