**Cam Type Grippers**

**Series 84L2-1 Product Overview**

**Application:**
Gripping, Holding, Placing, Removing and Transporting of metal sheets and other parts, mainly in jigs, press-automation and handling systems.

**Features:**
- Compact modular design
- Fast opening and closing action
- Mounting lateral and rear possible
- High clamping force
- Interchangeable in mounting dimensions with 84A2-1
- Add-on component and end position sensing available

**Major spare parts**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Order no. for 84A2-1</th>
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<tbody>
<tr>
<td>Cylinder</td>
<td>8PW-108-1</td>
</tr>
<tr>
<td>Seal kit</td>
<td>8PW-108-1-00</td>
</tr>
</tbody>
</table>

**Order no. Example:**

84L2-11 = Base model straight design

84L2-14 = Base model small, right version

84L2-16 = Base model small, left version

D4 = BEA-075-2
switching distance 3.0 mm
with 2m cable

D7 = BEA-075-3
switching distance 3.0 mm
with plug M12 x 1

00 = without sensing system

0 = without adapter/accessories

I = BMA-165-1 – Ø20 mm
J = BMA-166-1 – Ø25.5 mm
Z = BMA-168-1 – Ø 1”

BA = without gripper teeth

BA = 8JZ-027-1
10x10x10 Steel

BB = 8JZ-028-1
10x10x10 Steel

BF = 8JZ-045-1
10x10x10 PU-90 Shore plastic

KF = 8JZ-045-1
10x10x10 PU-90 Shore plastic

PH = 8JZ-029-1
Steel

**Gripper jaw, top:** Gripper teeth, Gripper points, Crown teeth – Dimensions see page 17.52, 17.53, 17.54 and 17.55

**Gripper jaw, bottom:** Gripper teeth, Gripper points, Crown teeth – Dimensions see page 17.52, 17.53, 17.54 and 17.55

**Adapters / Limit stops** – Dimensions see page 17.55, 17.56 and 17.57

**Sensing systems** – Dimensions see page 17.58

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Dimensions and technical information are subject to change without notice

CLAMPING TECHNOLOGY
Cam Type Grippers

Series 84L2-1 Technical Information

**84L2-110000000**

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<tr>
<td>84L2-11</td>
<td>74 [17]</td>
<td>25 [0.98]</td>
<td>0.19 [0.01]</td>
<td>0.4 [0.88]</td>
<td>0.2</td>
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**Notes:**
- Addition of gripper teeth high and thickness of the clamped plate must be 20.5 mm. It might be necessary to use shim plates or to grind the gripper teeth.
- Any extension of the movable, or the fixed gripper jaws as well as the additional attachment of weights will repeal the guarantee.
- Medium air, max. 6 bar. Operation with oil-free air is permissible.
- Turning cyl.-air connection possible in 4x 90° increments.

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### Series 84L2-1 Technical Information

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<td>74 [17]</td>
<td>25 [0.98]</td>
<td>0.19 [0.01]</td>
<td>0.37 [0.81]</td>
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- Medium air, max. 6 bar Operation with oil-free air is permissible.
- Turning cyl-air connection possible in 4 x 90° increments.

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**CLAMPING TECHNOLOGY**

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**Note:**
Any extension of the movable, or the fixed gripper jaws as well as the additional attachment of weights will repeal the guarantee.

Medium air, max. 6 bar operation with oil-free air is permissible. Turning cyl.~air connection possible in 4 x 90° increments.