Related Products

MHC2
Angular Gripper
Compact size and lower cost gripper

MHT
Toggle Gripper
Toggle mechanism provides strong and stable holding force – Gripper holds firm even when air pressure is lost.

MHY2
180° Angular Gripper
Reduce the number of moves required in pick and place applications

MHR2
Parallel Gripper
Vane style rotary actuator drive mechanism enables very compact design. High rigidity fingers with cross roller guides produce high precision and long life.

MRHQ
Rotary Gripper
Gripper combination combines 90° or 180° rotation and Parallel Gripper function for the ultimate in compactness and tubing/wiring reduction.

MHW2
180° Angular Gripper
Unique seal design allows shorter total length and constant gripping force when opening and closing fingers.

Locations in North America
- Atlanta
- Austin
- Boston
- Charlotte
- Chicago
- Cincinnati
- Cleveland
- Dallas
- Detroit
- Indianapolis [M]
- Indianopolis [M]
- Los Angeles [M]
- Milwaukee
- Minneapolis
- Montreal
- Nashville
- New Jersey
- Phoenix
- Portland
- Richmond
- Rochester
- San Francisco
- St. Louis
- Tampa
- Toronto [M]
- Vancouver
- Windsor

[M] = Manufacturing

Locations Worldwide!

The Americas
- Argentina
- Bolivia
- Brazil
- Canada
- Chile
- Mexico
- U.S.A.
- Venezuela

Europe
- Austria
- Bulgaria
- Croatia
- Denmark
- Estonia
- Czech
- Germany
- Finland
- France
- Latvia
- Hungary
- Ireland
- Italy
- Lithuania
- Ireland
- Latvia
- Hungary
- Italy
- Latvia
- Hungary
- Lithuania
- Netherlands
- Norway
- Poland
- Romania
- Slovakia
- Slovenia
- Russia
- South Korea
- Switzerland
- Spain/Portugal
- U.K.

Asia
- China
- Hong Kong
- India
- Japan
- Malaysia
- Philippines
- Singapore
- Taiwan
- South Korea
- Thailand

Oceania
- Australia
- New Zealand
- New Zealand

Parallel Gripper

SMC Corporation of America
3011 N. Franklin Road
Indianapolis IN 46226
1-800-762-7621 (1-800-SMC-SMC1)
www.smcusa.com

SMC Pneumatics (Canada) Ltd.
6768 Financial Drive Mississauga
Ontario L5N 7J6 Canada
(905) 812-0400
www.smcpneumatics.ca

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NOV05-JBS25M-LA
MHZ2 – High precision – Many options – Ideal general purpose gripper

The MHZ2 Parallel Grippers are available in several sizes with many options to choose from. High quality, precision, durability, and outstanding value are the hallmark of this gripper.

MHF2 – Very low profile – Reduced height saves space minimizes bending moments in pick and place systems

The MHF2 Low Profile Air Gripper uses a low profile design to save space and reduce bending moments. The height is approximately 1/3 that of conventional air grippers with equivalent gripping force. The gripper jaws are guides using high precision and high rigidity ball bearing guides. A double air piston construction achieves compact design and strong holding force.

Series Variations

<table>
<thead>
<tr>
<th>Series</th>
<th>Bore size (mm)</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHZ2-20D3</td>
<td>42</td>
<td>Reduced bending moment and vibration</td>
</tr>
<tr>
<td>MHF2-12D</td>
<td>22</td>
<td>• The low profile design saves space and reduces bending moments. • Improved accuracy with smooth operation</td>
</tr>
</tbody>
</table>

Refer to catalog ES20-166A

MHZ2/3/4/ Long stroke and wide opening – Great gripping large parts of various sizes

The MHL Air Grippers are designed for applications that require a wide travel range of the gripper fingers. The MHL is good for gripping many different sized parts. Finger motion is synchronized by a rack and pinion mechanism. The double piston construction creates large holding forces.

One unit can handle workpieces with various diameters.
A large amount of gripping force is provided through the use of a double piston mechanism, while maintaining a compact design.
Double end type oil impregnated resin bearings with a metal backing are used for all shafts.
Fingers synchronized by a rack and pinion mechanism
Built-in dust-protection mechanism
A high degree of freedom for mounting
Auto switch mountable

Series Variations

<table>
<thead>
<tr>
<th>Series</th>
<th>Bore size (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHL2</td>
<td>10 to 60°C</td>
</tr>
<tr>
<td>MHS2</td>
<td>0.1 to 0.60.15 to 0.6</td>
</tr>
<tr>
<td>MHS3</td>
<td>-10 to 60°C</td>
</tr>
<tr>
<td>MHS4</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Refer to catalog ES20-140D

Refer to catalog ES20-104F

Refer to catalog ES20-103F

Refer to catalog ES20-104D

Refer to catalog ES20-166A

Refer to catalog E245A