

Flexible vacuum gripper for use on several robots including so-called “Cobots”.

Basic functions:

- Robot mounting interface according to ISO 9409-1-50-4-M6.
- Standard MFE ejector, large selection of configuration options.
- Connection threads for Vacuum and Supply selectable.
- Replaceable gripper, mounting interface according to ISO 9409-1-50-4-M6.
- Delivered with or without foam gripper.
- Easy to mount own custom gripper with e.g. suction cups.
- Stackable for several optional vacuum circuits.
- URCap “plugin” software is available for Universal Robots

Advantages:

- “Sandwich design”, the same interface on both sides of the bracket.
- Light weight, 810 g complete with foam gripper.
- Ejector easily replaceable for optimal function for e.g. different materials.
- Ejector with many programmable functions and connection options.

Complete gripper

The gripper contains everything needed for easy handling everything from cardboard to glass, ready to connect and put to work, “Plug & Play”.

Gripdon exkl. foam gripper

The gripper is developed to be easily adapted to basically all types of applications for custom-designed gripper usages.

Ejector with energy saving as standard, can be easily programmed for manual monitoring. Integrated vacuum holding valve for increased safety. Adaptive blow off with mechanically adjustable flow. For other information, see separate documentation for AUTOVAC MFE.

The mounting interface complies with ISO standard ISO 9409-1-50-4-M6 on both sides, which enables mounting of several ejectors i.e. multi-circuit solution.

Foam gripper

Lightweight design with ISO standard connection. Rubber foam made from EPDM with 27 pcs Ø12 mm holes for maximum lifting force. In addition, internally integrated vacuum channels for simplified installation.



Technical data

For data and functionality regarding AUTOVAC MFE, see separate MFE documentation.

Weight:

WITH foam gripper: 810 g (Excl. CEA 050HR 441)
WITHOUT foam gripper: 600 g (Excl. CEA 050HR 440)

Lifting capacity:

WITH foam gripper: 10 kg (Excl. CEA 050HR 441)
WITHOUT foam gripper: 16 kg (Excl. CEA 050HR 440)

Materials:

Gripper

PA12,
Stainless steel
Anodized aluminum,
Galvanized steel
EPDM

Gripper foam:

Temperature

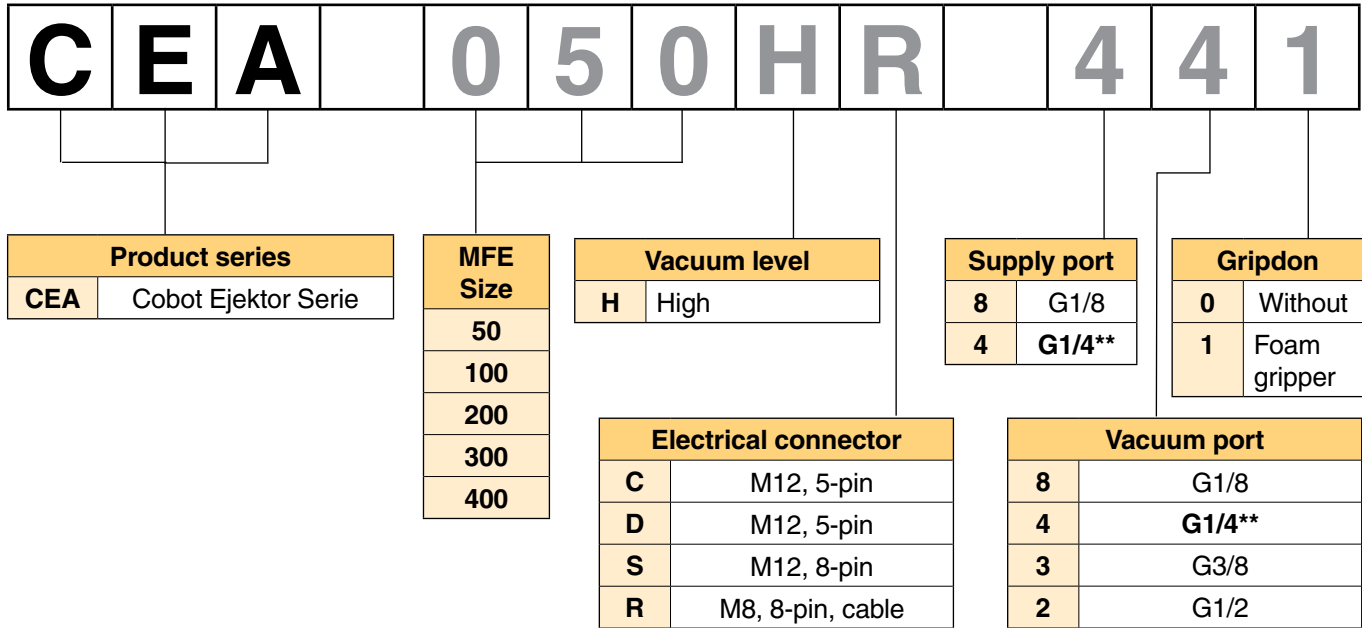
Temperature range:

0...+50 °C

Mechanical interface:

ISO 9409-1-50-4-M6

Ordering key



** Standard

Spare parts / accesories	Part no
Complete foam gripper	CEA 00000 001
Supply port adapter G1/8 *)	CEA 00000 800
Supply port adapter G1/4 *)	CEA 00000 400
Vacuum port adapter G1/8 *)	CEA 00000 080
Vacuum port adapter G1/4 *)	CEA 00000 040
Vacuum port adapter G3/8 *)	CEA 00000 030
Vacuum port adapter G1/2 *)	CEA 00000 020
Gripper foam	480 001 41

*) Incl. O-ring

Ex: Complete robot gripper with MFE 050H makes ordering key CEA 050HR 441

Ex: Robot gripper (without foam gripper) with MFE 050H makes ordering code CEA 050HR 440



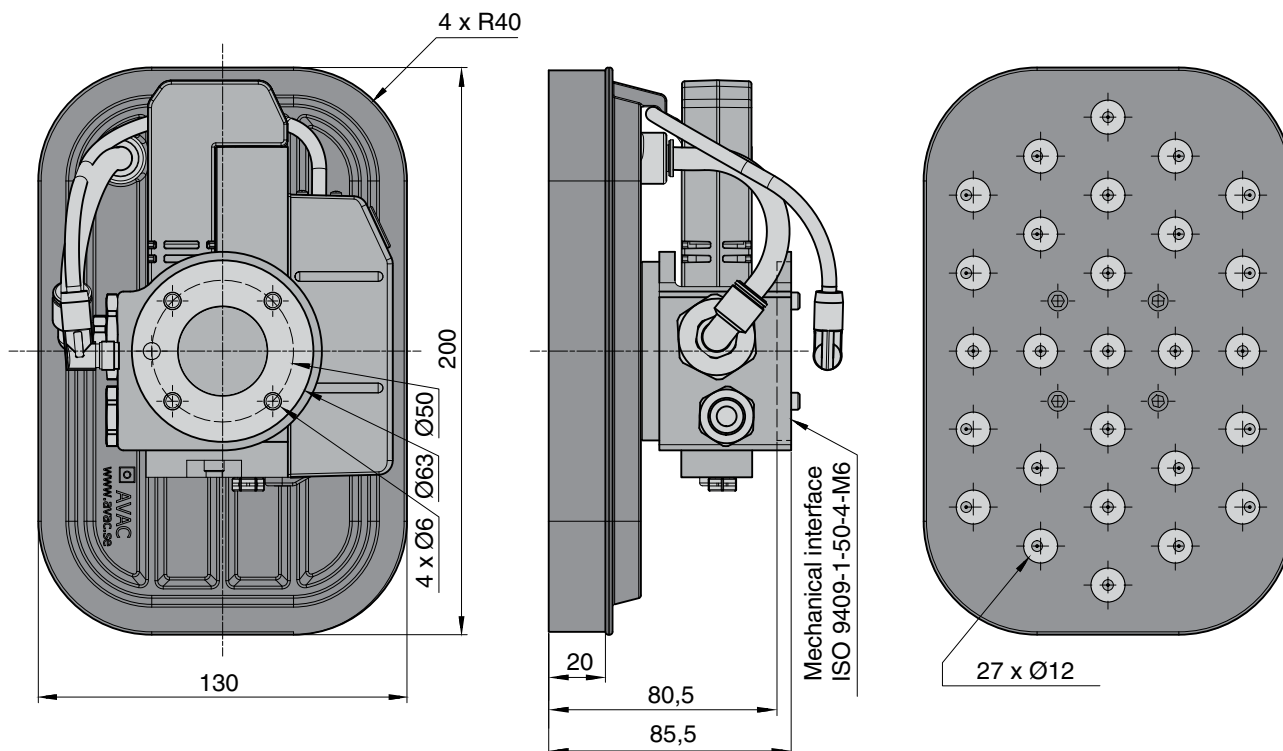
Instruction

<http://www.avac.se/pdf/i-CEA.pdf>



Installation dimensions

Ex: Complete gripper with foam gripper MFE 050H code, CEA 050HR 441



Ex: Robotgripper (without foam gripper) with MFE 050H ordering code CEA 050HR 440

