



AUTOMOTIVE ELECTRIC DEVICES

E-Range CATALOGUE





E-Range Electric devices fo BiW applications

A wide range of advanced electric components for Body in White applications including clamping, locating, handling and pivoting

PNEUMAX AUTOMOTIVE

Pneumax Automotive is a business unit of Pneumax Spa. The italian company was founded in 1976 and today is at the head of Pneumax Group, one of the main players in the industrial and process automation industry wordwide. The Pneumax Automotive BU offers a complete range of products dedicated to the production lines of the industry, with a special focus on **Body in White applications**.

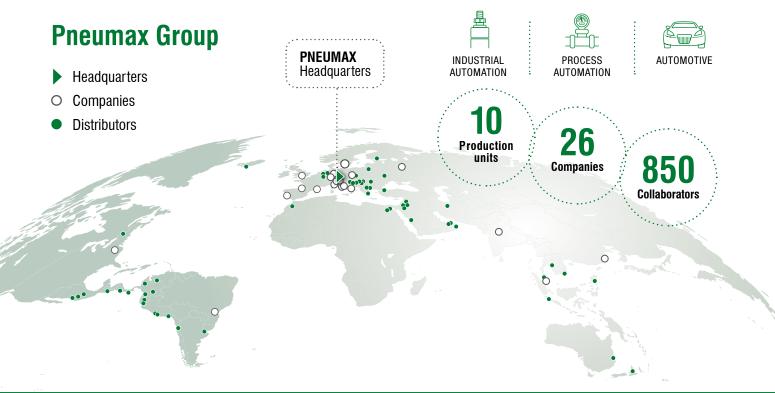
The Pneumax range includes **clamping units, pin packages, gripper units, power pivots** and complete multi axes positioning systems developed to guarantee maximum reliability and the highest accuracy and repeatability.

Each product series integrates extremely **innovative technical solutions**, without compromising on compliance with the various international mounting standards. Special attention was placed in energy efficiency, with devices that allow the highest savings offered on the market. Pneumax's extensive network across the globe allows optimal and coordinated management of projects with automotive companies internationally. Every stage of production and product testing is carried out in our specially equipped departments in in the italian headquarters located in Lurano (BG) to ensure maximum reliability and the highest quality standards.

Safety & green Automation

- Operator and equipment safety
- Flexibility and reduction of setup times
- Connectivity
- Energy savings
- Standardisation



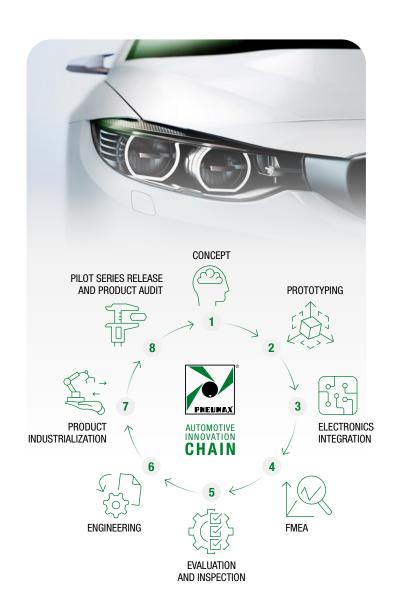


A WIDE RANGE OF SOLUTIONS

In order to face the current challenges in BIW production lines, **Pneumax's product range is constantly evolving, with a specific focus on sustainability, flexibility of the control systems and energy efficiency**.

Today, in addition to the consolidated range of pneumatic solutions, Pneumax further expands its offer by introducing E-Range, a new line of **electrical devices**.

Thanks to the experience gained in the industrial automation sector and a constant commitment to innovation, the company establishes itself as a reference point not only in pneumatics, but also in electrical integration, offering advanced and high-performance solutions to meet the needs of a constantly evolving market.









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E-RangeProduct Overview

E48-Smart 48Vdc powered electric smart range

Clamping - E48-Smart



Locating - E48-Smart



Handling - E48-Smart

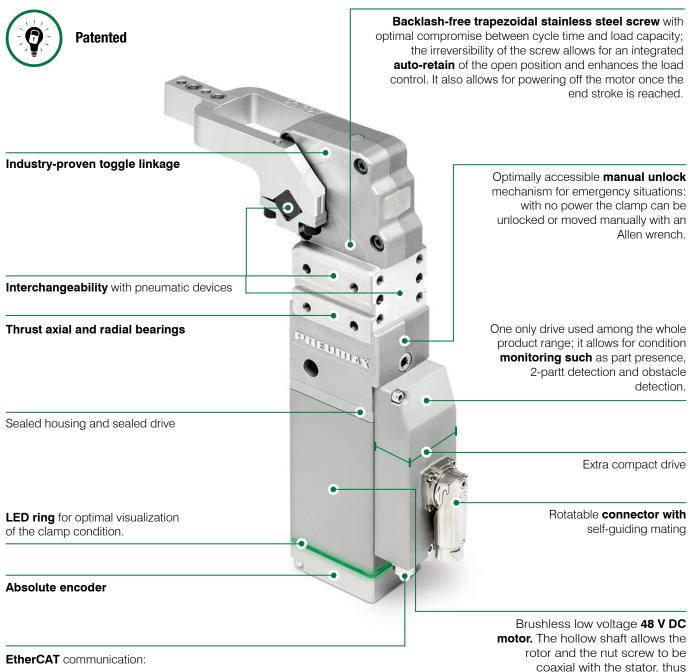






Clamping

E48-Smart Highlights



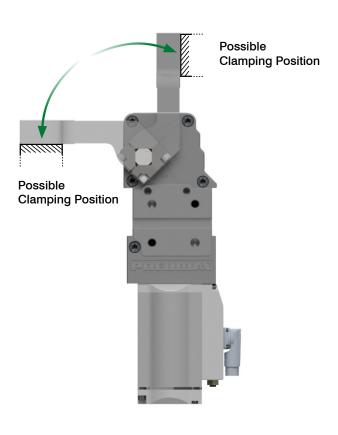
- quick and cable length saving installation through daisy-chaining
- Thanks to the CSP (Cyclic Synchronous Position) mode DC, the EtherCAT master is able to send desired positions to the clamp. In this mode, the trajectory generator is located in the master control device, not in the clamp. In acyclic synchronous manner, it provides a target position to the clamp device, which performs position control.

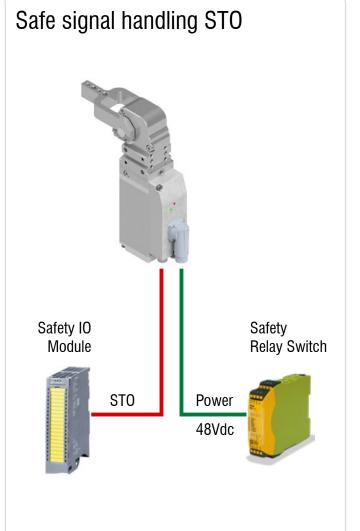
reducing friction and allowing the

motor torque to be optimally used.

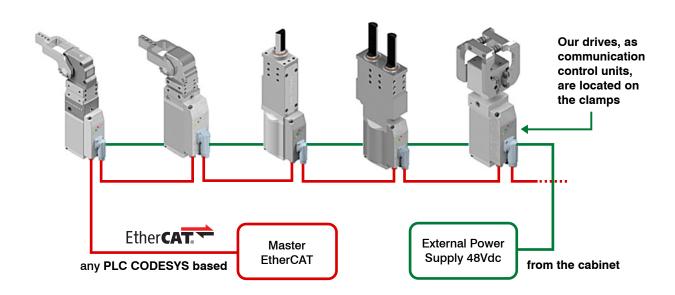
Double clamping position

Thanks to the irreversibility of the screw, the open position can be managed as closed position. The clamping moment values in such a configuration are available upon request.





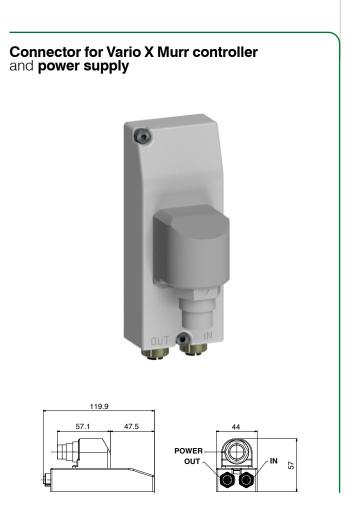
Installation concept for electrical clamping technology direct to the PLC



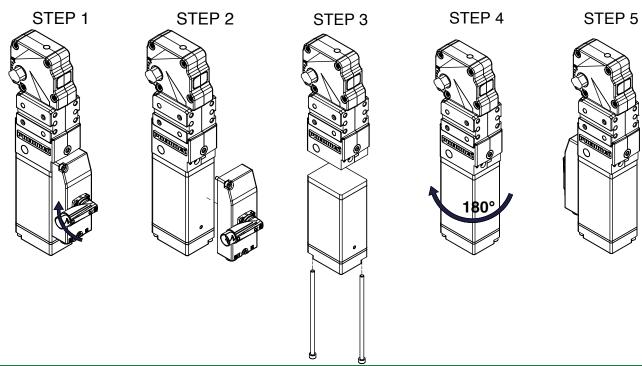


Connector types

Connector with rotatable housing and fast locking system fast locking system through self-guiding mating: the connector can easily be mated by a simple push and unmated with an eight-turn.



How to change side position of the drive





C1E25-Series



Nano Electric power clamps

International mount

Industry-proven toggle linkage

- Same functional dimensions of pneumatic clamps
- Same clamping and holding moments as pneumatic devices
- Stepless adjustable opening angle Optimally accessible manual unlock mechanism for emergency situations, which can also be used as manual operation
- Backlash-free trapezoidal screw with optimal compromise between cycle time and load; the irreversibility of the screw allows for an integrated auto-retain of the open position and enhances the load control
- Brushless low voltage motors with absolute encoder
- Extra-compact drive can be rotated by 180°
- Cable lengths can be reduced by daisy-chaining the drives

Condition monitoring

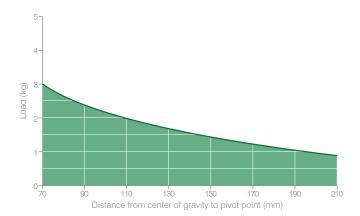
- Obstacle detection
- · Part presence; Part missing
- Multiple part detection

| Operating features | | |
|--------------------|---------|--|
| Supply tension | 48 VDC | |
| Peak current | 0.7 A | |
| Noise level | < 20 dB | |

Functional charts

Size 25

Tooling weight chart



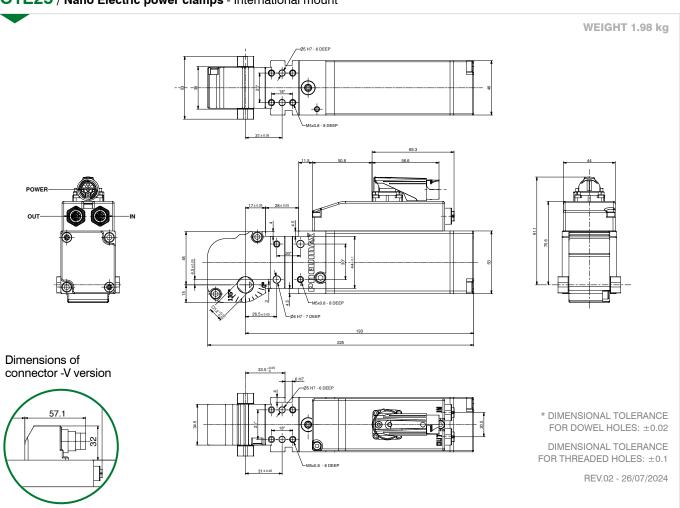
- Clamping moment 50 N m / 36 lb·ft
- Holding moment 75 N m / 55 lb·ft

Ordering string C 1 E 25 1 A 01 **Nano Power Clamps VERSION C** = clamp with toggle linkage **MOUNTING PATTERN** = international mount **OPERATION E** = brushless motor, 48 VDC, with drive The clamp is supplied with the drive mounted on the rear side, it can easily be rotated to the front size by untightening the tie rods **SIZE** 25 = equivalent to size 25 (pn) **ARM MOUNT ARM MATERIAL** = aluminum **CLAMP ARM TYPE 01** = wishbone, central, 0 mm offset 13 = H, 0 mm offset**04** = wishbone, central, 10 mm offset **14** = H, 10 mm offset

connector with rotatable housingconnector for vario-X control

C1E25 / Nano Electric power clamps - International mount

CONNECTOR

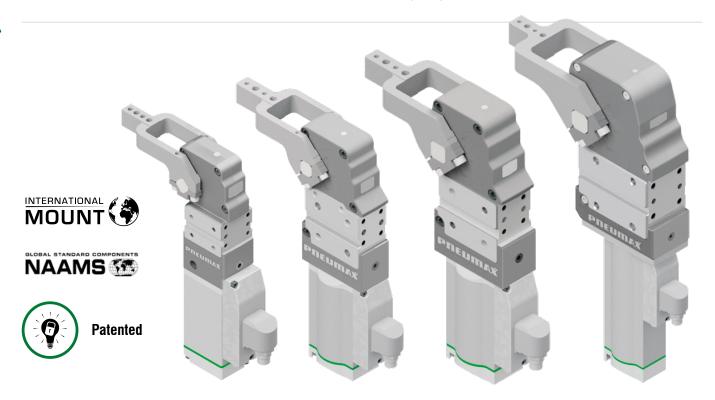




C_E-Series

Electric power clamps

International mount



Industry-proven toggle linkage

- Same functional dimensions of pneumatic clamps for complete interchangeability
- Same clamping and holding moments as pneumatic devices
- Stepless adjustable opening angle
- Optimally accessible manual unlock mechanism for emergency situations, which can also be used as manual operation
- Backlash-free trapezoidal screw with optimal compromise between cycle time and load; the irreversibility of the screw allows for an integrated auto-retain of the open position and enhances the load control

- Brushless low voltage motors with absolute encoder and optimized cable cross-sections
- Extra-compact drive can be rotated by 180°; the smart drive automatically identifies the load and adapts the cycle time
- · Cable lengths can be reduced by daisy-chaining the drives

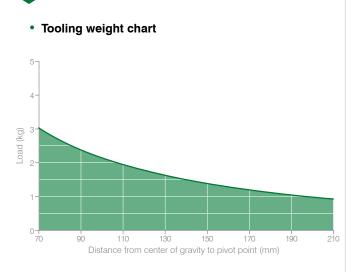
Condition monitoring

- Obstacle detection
- · Part presence; Part missing
- Multiple part detection

| Operating features | | |
|--------------------|---------------|--|
| Supply tension | 48 VDC | |
| Peak current | 0.8 A size 40 | |
| Noise level | < 20 dB | |

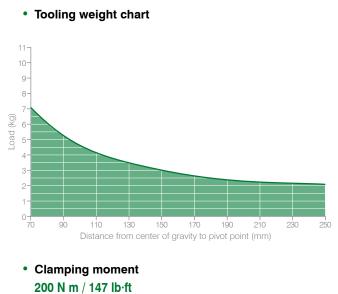
Functional charts

Size 40



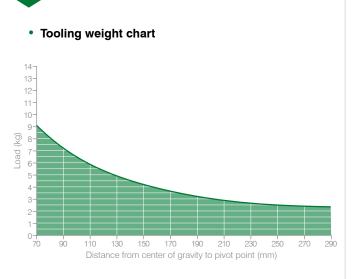
- Clamping moment
 150 N m / 110 lb·ft
- Holding moment 380 N m / 2800 lb·ft

Size 50



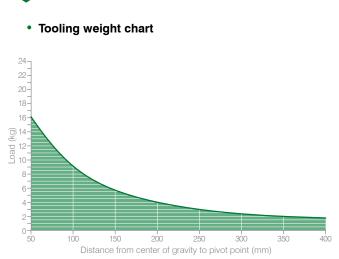
• Holding moment 800 N m / 590 lb·ft

Size 63



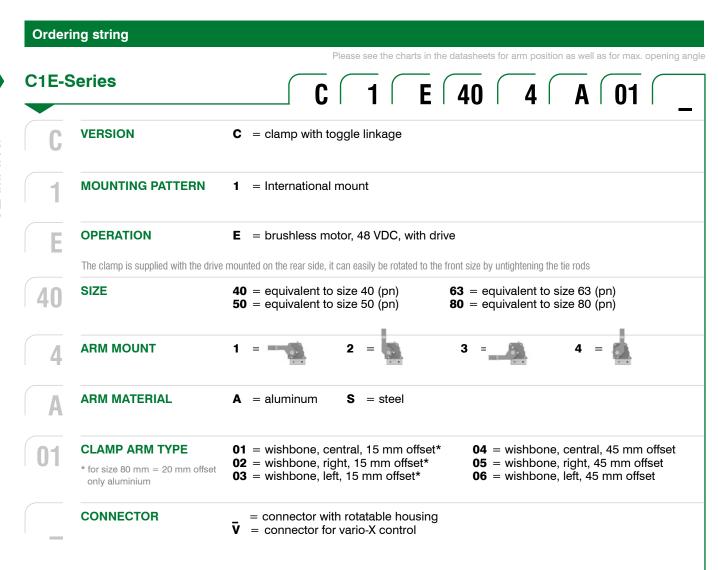
- Clamping moment 400 N m / 295 lb·ft
- Holding moment
 1.500 N m / 1.100 lb·ft

Size 80



- Clamping moment 600 N m / 442 lb·ft
- Holding moment
 2.500 N m / 1.840 lb·ft

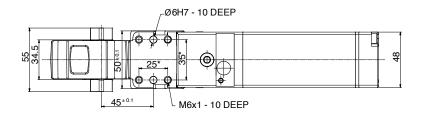


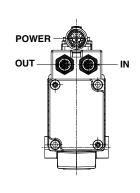


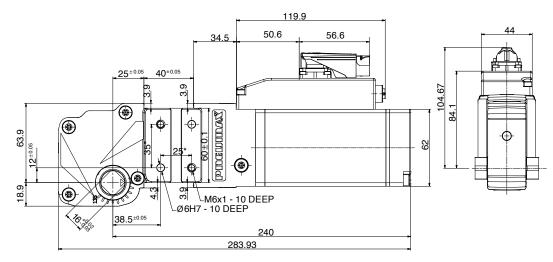
| Series | NAAMS COMPONENTS C 2 E 50 D |
|-------------------------------------|--|
| VERSION | C = clamp with toggle linkage |
| MOUNTING PATTERN | 1 = Naams mount |
| OPERATION | E = brushless motor, 48 VDC, with drive |
| The clamp is supplied with the driv | ve mounted on the rear side, it can easily be rotated to the front size by untightening the tie rods |
| SIZE | 50 = equivalent to size 50 (pn) 80 = equivalent to size 80 (pn) 80 = equivalent to size 80 (pn) |
| SHAFT OUTPUT | D = dual output L = single output_left R = single output_right |
| CONNECTOR | = connector with rotatable housing V = connector for vario-X control |

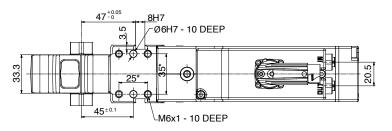
C1E40 / Electric power clamps - International mount

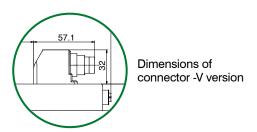
WEIGHT 2.44 kg











* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ± 0.02

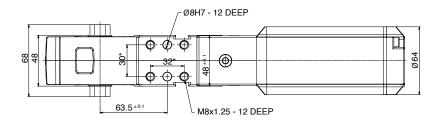
DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

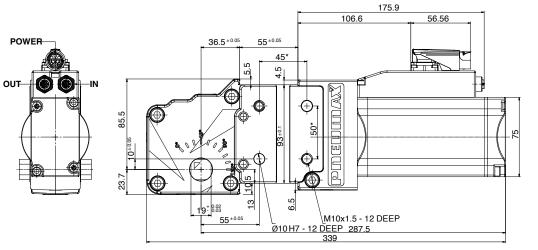
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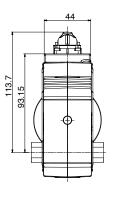


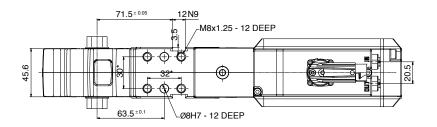
C1E50 / Electric power clamps - International mount

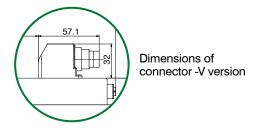
WEIGHT 3.90 kg











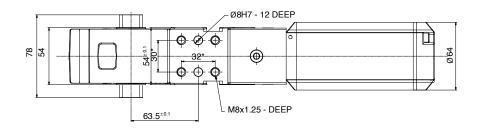
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

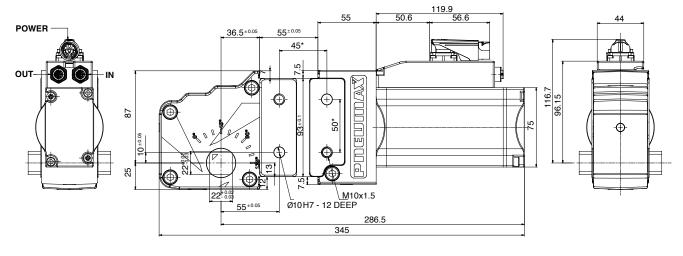
DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

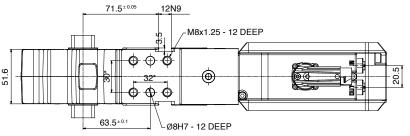
REV.02 29/07/2024

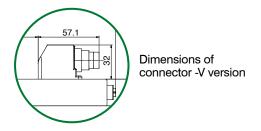
C1E63 / Electric power clamps - International mount

WEIGHT 4.45 kg









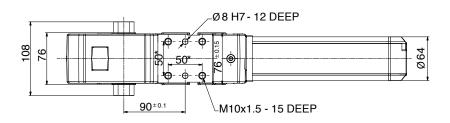
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

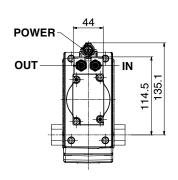
DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

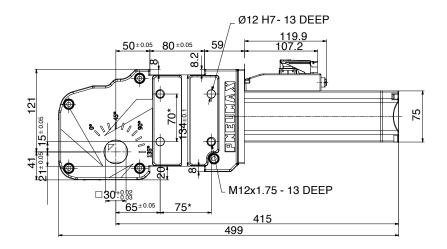
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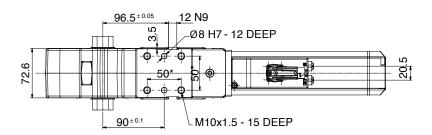
C1E80 / Electric power clamps - International mount

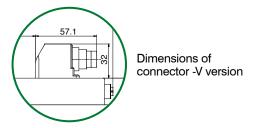
WEIGHT 9 kg











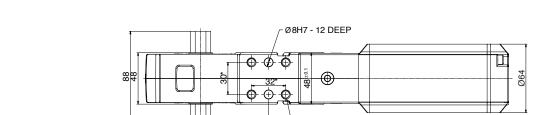
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

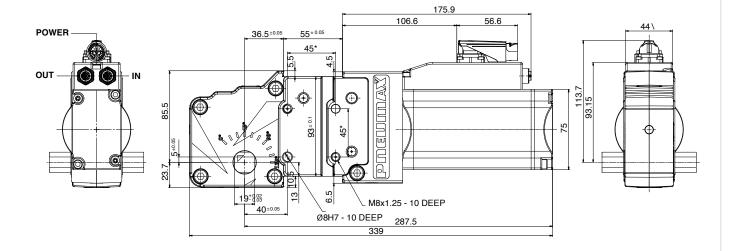
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WEIGHT 4 kg

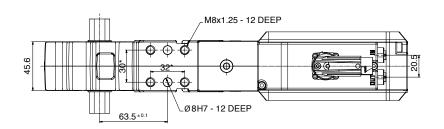
C2E50 / Electric power clamps - NAAMS mount

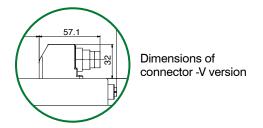


63.50.1



M8x1.25 - 12 DEEP





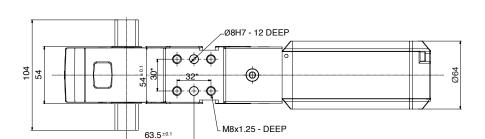
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

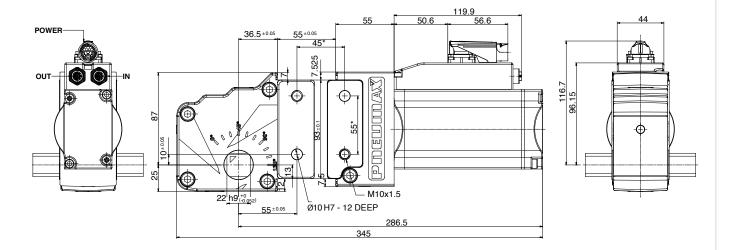
DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

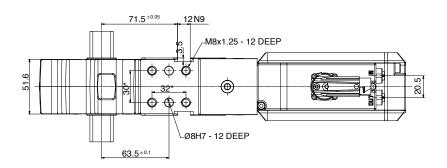
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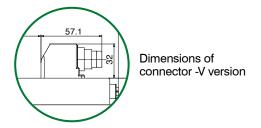


C2E63 / Electric power clamps - NAAMS mount









* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

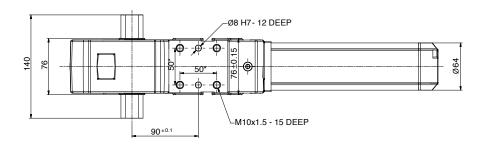
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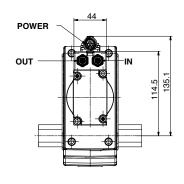
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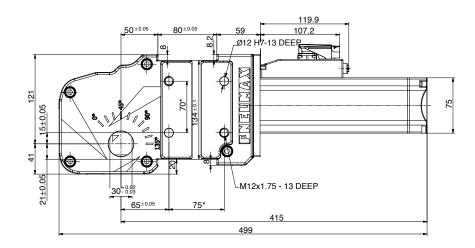
WEIGHT 3.90 kg

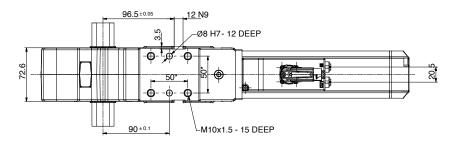
C2E80 / Electric power clamps - NAAMS mount

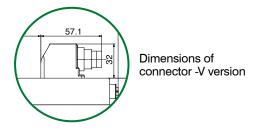












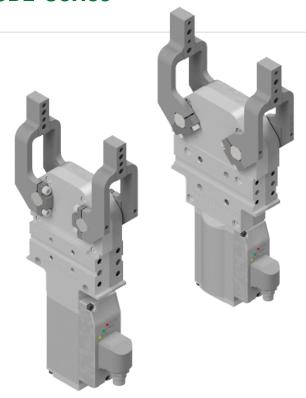
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

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CBE-Series



Power clamp with dual arm

Industry-proven toggle linkage

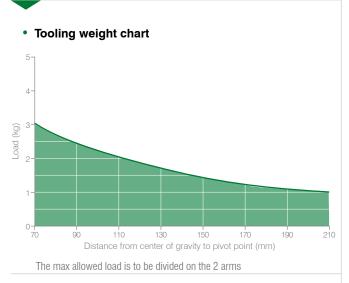
- Same functional dimensions of pneumatic clamps
- Same clamping and holding moments as pneumatic devices
- Stepless adjustable opening angle
- Optimally accessible manual unlock mechanism for emergency situations, which can also be used as manual operation
- Backlash-free trapezoidal screw with optimal compromise between cycle time and load; the irreversibility of the screw allows for an integrated auto-retain of the open position and enhances the load control
- Brushless low voltage motors with absolute encoder and optimized cable cross-sections
- Extra-compact drive can be rotated by 180°
- Cable lengths can be reduced by daisy-chaining the drives

Conditioning monitoring

- Obstacle detection
- · Part presence; Part missing
- Multiple part detection

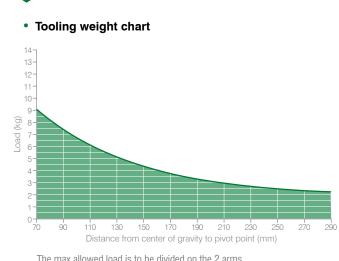
Functional charts

Size 40



- Clamping moment 85 N m / 62,69 lb·ft
- Cycle time 0.8 s at 90°
- Holding moment 110 N m

Size 63



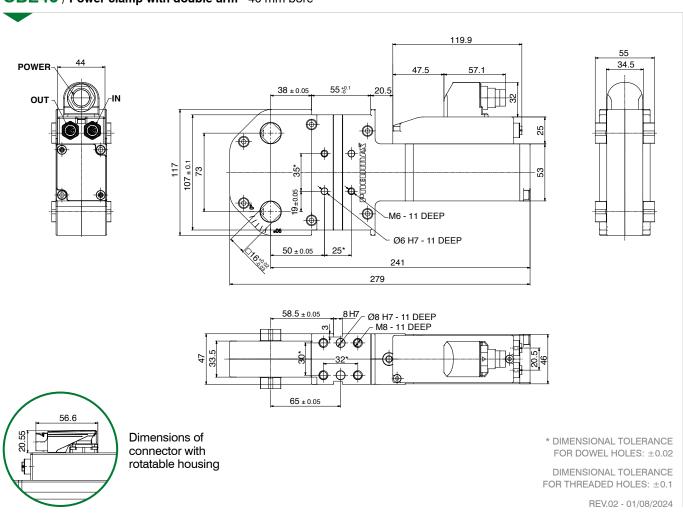
The max allowed load is to be divided on the 2 arms

- Clamping moment 170 N m / 125,39 lb·ft
- Cycle time 0.8 s at 90°
- Holding moment 280 N m

The above data are meant for correct working conditions of the clamp with the same performance level during its life time. For applications which exceed the above data, please contact our sales representatives.

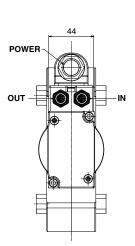
Ordering string CB E 40 5 A 01 CBE-Series VERSION CB = double arm clamp **E** = brushless motor, 48 VDC, with drive **OPERATION** SIZE $40 = \emptyset 40 \text{ mm}$ $63 = \emptyset 63 \text{ mm}$ **ARM MOUNT ARM MATERIAL** = aluminum * only for size 63 mm **CLAMP ARM TYPE 01** = wishbone, central, 15 mm offset **02** = wishbone, right, 15 mm offset **03** = wishbone, left, 15 mm offset 61 = wishbone, 10 mm offset specific for CB40 clamp **CONNECTOR** = connector with rotatable housing = connector for vario-X control

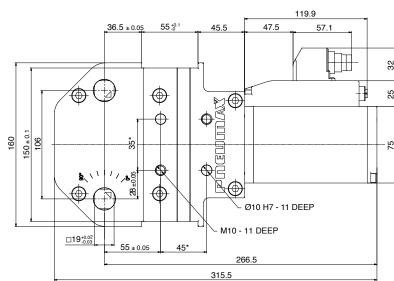
CBE40 / Power clamp with double arm - 40 mm bore

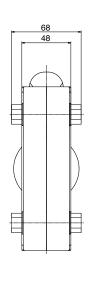


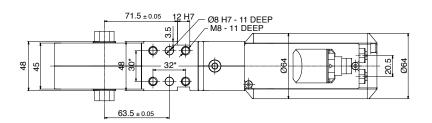


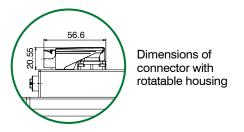
CBE63 / Power clamp with double arm - 63 mm bore











* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

REV.02 - 01/08/2024

QIG C EN Rev.00 09.2015

ClampingQuick installation guide



Caution

Any maintenance operation may only be carried out by qualified and authorized personnel. For any reason, do not reach into the pivoting range of the clamping arms, when the clamps are in operation. Disconnect electric supply lines before operating on or around clamps.

A worksheet for the right sizing of the clamp is available upon request. Visit our website for technical documents

http://automotive.pneumax.it/



Clamp installation to the tool

The clamp can be installed by one of its four mounting surfaces, using dowels and screws according to its datasheet. The tightening torques to be set are:

 M5
 5 N m / 3.68 lb·ft

 M6
 10 N m / 7.37 lb·ft

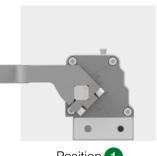
 M8
 25 N m / 18.43 lb·ft

 M10
 35 N m / 25.81 lb·ft

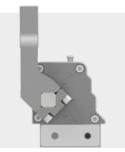
 M12
 50 N m / 36.87 lb·ft

Use the key support surfaces, where available.
Always use all the bores on the mounting pattern.

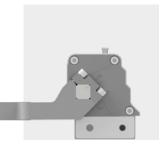
Arm mount options



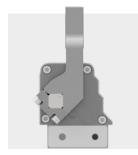








Position 3

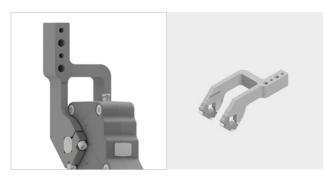


Position 4

The above pictures show the closed position.

The max. opening angle according to the arm mount option is indicated on each clamp arm's datasheet. In order to achieve a right or left arm mount in configurations 2 or 3, the clamping arm should be rotated by 180°, therefore to achieve

- C___ 2A03 a right clamp arm is required, i.e. B/Q __02
- C___ 2A02 a left clamp arm is required, i.e. B/Q _ _03
- C___ 2A05 a right clamp arm is required, i.e. B/Q__06
- C___ 2A06 a left clamp arm is required, i.e. B/Q__05



C1____2A03 using a right __02 arm

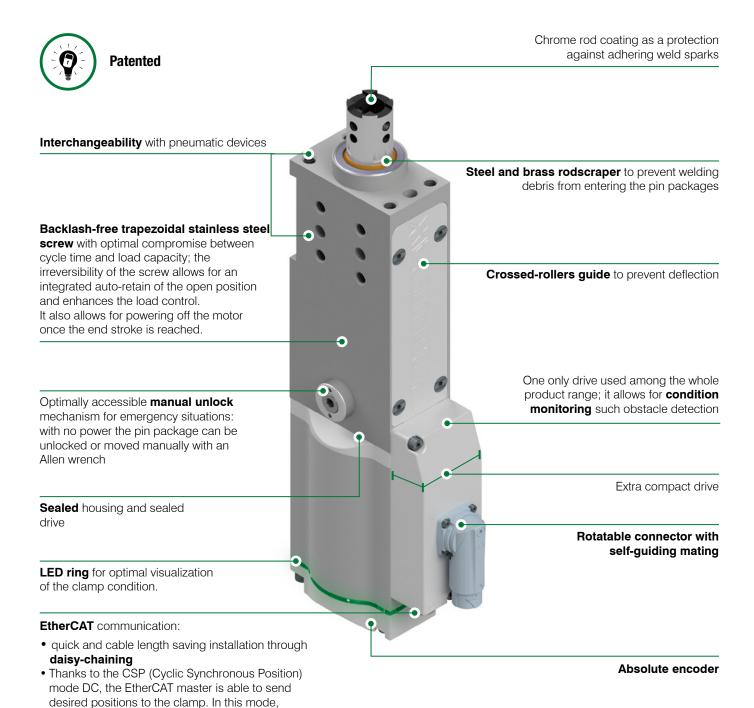




C1____2A02 using a left __03 arm

Locating

E48-Smart Highlights



the trajectory generator is located in the master control device, not in the clamp. In acyclic synchronous manner, it provides a target position to the clamp device,

which performs position control.

RE-Series



Electric retractable locating pin packages

Crossed-rollers guides prevent deflection of the rods

- Same functional dimensions of pneumatic pin packages
- Same thrust and pull forces as pneumatic devices
- Adjustable strokes up to 60 mm
- Brushless low voltage motors with absolute encoder and optimized cable cross-sections
- Extra-compact drive can be rotated by 180°
- Optimally accessible manual unlock mechanism for emergency situations, wich can also be used as manual operation
- Cable lengths can be reduced by daisy-chaining the drives

Condition monitoring

Obstacle detection

| Operating features | | |
|--------------------|---------|--|
| Supply tension | 48 VDC | |
| Cycle time | 1 s | |
| Noise level | < 20 dB | |

Functional charts

Size 50

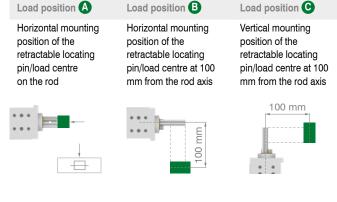


Max deflection

| Ctroleo | Load | Load position | Load position | Load position |
|---------|------|----------------|----------------|----------------|
| Stroke | (kg) | deviation (mm) | deviation (mm) | deviation (mm) |
| | 0.5 | 0.007 | 0.012 | 0.01 |
| | 1 | 0.013 | 0.025 | 0.023 |
| 00 | 1.5 | 0.02 | 0.04 | 0.036 |
| 60 mm | 2 | 0.03 | 0.053 | 0.049 |
| | 2.5 | 0.038 | 0.067 | 0.064 |
| | 3 | 0.045 | 0.082 | 0.075 |
| | 0.5 | 0.006 | 0.009 | 0.007 |
| | 1 | 0.013 | 0.02 | 0.018 |
| F0 | 1.5 | 0.021 | 0.032 | 0.028 |
| 50 mm | 2 | 0.026 | 0.047 | 0.043 |
| | 2.5 | 0.032 | 0.66 | 0.057 |
| | 3 | 0.037 | 0.075 | 0.068 |
| | 0.5 | 0.004 | 0.009 | 0.004 |
| | 1 | 0.009 | 0.02 | 0.009 |
| 40 | 1.5 | 0.013 | 0.032 | 0.013 |
| 40 mm | 2 | 0.018 | 0.047 | 0.018 |
| | 2.5 | 0.022 | 0.66 | 0.022 |
| | 3 | 0.026 | 0.075 | 0.026 |
| | 0.5 | 0 | 0.005 | 0 |
| | 1 | 0.005 | 0.015 | 0.005 |
| 05 | 1.5 | 0.007 | 0.032 | 0.007 |
| 25 mm | 2 | 0.011 | 0.047 | 0.011 |
| | 2.5 | 0.012 | 0.66 | 0.012 |
| | 3 | 0.014 | 0.075 | 0.014 |
| | 0.5 | 0 | 0.005 | 0 |
| 15 mm | 1 | 0.002 | 0.018 | 0 |
| | 1.5 | 0.004 | 0.025 | 0.002 |
| | 2 | 0.007 | 0.033 | 0.006 |
| | 2.5 | 0.012 | 0.043 | 0.009 |
| | 3 | 0.014 | 0.052 | 0.013 |

Functional data

| Thrust force | 825 N |
|--|--------------------|
| Pull force | 980 N |
| Max bending moment | 3 N m / 2.21 lb·ft |
| Max distance from the load centre to the rod | 200 mm |





Ordering string

RE-Series

 $R \cap E \cap SO \cap S \cap S$

VERSION

R = retractable locating pin package with adjustable stroke till 60mm

OPERATION E = brushless motor, 48 VDC, with drive

The pin package is supplied with the drive mounted on the rear side, it can easily be rotated to the front side by untightening the tie rod

SIZE 50 = equivalent to size 50

ROD TERMINATION = iØ 16 mm cross-cut key rod termination = iØ 10 mm cross-cut key rod termination 2

= rod termination for offset pins 3 = rod termination with key

5 = rod with flat termination dia. 10 mm = rod with flat termination dia. 12 mm = iØ 12 mm CNOMO termination

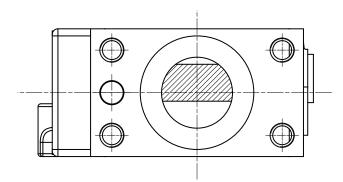
8 = iØ 20 mm CNOMO termination



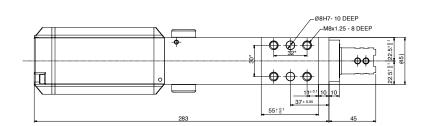
ROD ORIENTATION (for termination type 3)

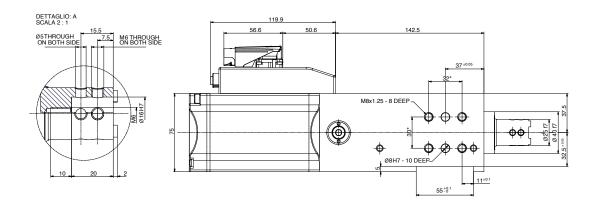
CONNECTOR

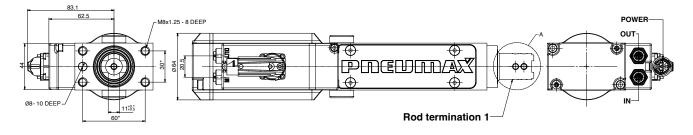
= connector with rotatable housing = connector for vario-X control

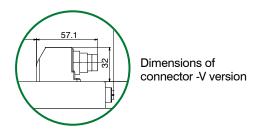


RE50-3 / Electric retractable locating PIN PACKAGE - Rod termination 3









* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

REV.02 - 30/07/2024



FE-Series



Electric retractable locating pin packages with dual rods

- Same functional dimensions of pneumatic pin packages
- Same thrust and pull forces as pneumatic devices
- Adjustable strokes up to 60 mm
- Brushless low voltage motors with absolute encoder and optimized cable cross-sections
- Extra-compact drive can be rotated by 180°
- Optimally accessible manual unlock mechanism for emergency situations, wich can also be used as manual operation
- Cable lengths can be reduced by daisy-chaining the drive

Condition monitoring

· Obstacle detection

| Operating features | |
|--------------------|--------|
| Supply tension | 48 VDC |
| Cycle time | 1 s |

Functional charts

Size 63



Max deflection

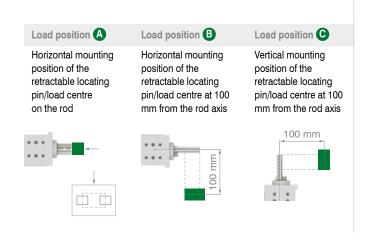
| Stroke | Load (kg) | Load position A deviation (mm) | Load position B deviation (mm) | Load position deviation (mm) |
|--------|--------------|---------------------------------|---------------------------------|-------------------------------|
| | 0.5 | 0.003 | 0.009 | 0 |
| | 1 | 0.007 | 0.026 | 0.001 |
| | 1.5 | 0.013 | 0.043 | 0.007 |
| 60 | 2 | 0.017 | 0.063 | 0.009 |
| mm | 2.5 | 0.022 | 0.085 | 0.018 |
| | 3 | 0.026 | 0.109 | 0.023 |
| | 3.5 | 0.031 | 0.129 | 0.033 |
| | 4 | 0.036 | 0.148 | 0.042 |

Functional data

| Thrust force | 1,350 N |
|--|--------------------|
| Pull force | 1,550 N |
| Max bending moment | 4 N m / 2.95 lb·ft |
| Max distance from the load centre to the rod | 200 mm |

Cycle time for max stroke

< 1 s

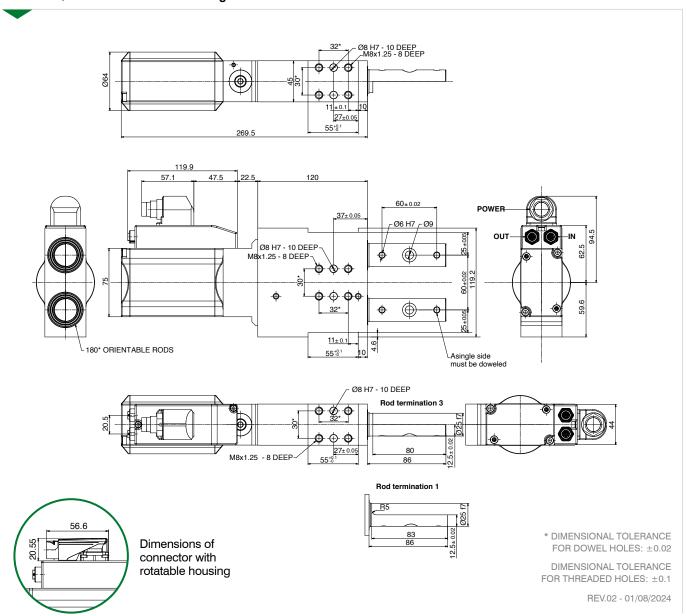


FE-Series 63 F = Retractable locating pin package with dual rod E OPERATION D = brushless motor, 48 VDC, with drive The pin package is supplied with the drive mounted on the rear side, it can easily be rotated to the front side by untightening the tie rod SIZE 63 = equivalent to size 63 (pn) ROD TERMINATION 3 = rod termination for offset pins

= connector with rotatable housing= connector for vario-X control

FE63-3 / Electric retractable locating PIN PACKAGE - Rod termination 3

CONNECTOR







Electric retractable locating pin packages with toggle lock

- Same functional dimensions of pneumatic pin packages for complete interchangeability
- Same thrust and pull forces as pneumatic devices
- Brushless low voltage motors with absolute encoder and optimized cable cross-sections
- Extra-compact drive can be rotated by 180°
- Cable lengths can be reduced by daisy-chaining

Condition monitoring

· Obstacle detection

| Operating features | | |
|--------------------|--------|--|
| Supply tension | 48 VDC | |
| Cycle time | 1 s | |

Functional charts

Size 50



Max deflection

| Stroke | Load (kg) | Load position B deviation (mm) | Load position c deviation (mm) |
|--------|--------------|---------------------------------|---------------------------------|
| | 0.5 | 0.001 | 0.002 |
| | 1 | 0.001 | 0.002 |
| | 1.5 | 0.001 | 0.002 |
| 40 | 2 | 0.001 | 0.002 |
| 40 mm | 2.5 | 0.001 | 0.004 |
| | 3 | 0.001 | 0.004 |
| | 3.5 | 0.002 | 0.004 |
| | 4 | 0.002 | 0.004 |

Functional data

| Thrust force | 4900 N |
|--|--------|
| Pull force | 2000 N |
| Max distance from the load centre to the rod | 200 mm |

The thrust and pull forces (retraction) are only available with the last 2 mm stroke of working (extracting) position. In the other range of the stroke, the forces are 30% of the above values.

 Cycle time < 0.8 s



Load position B

Horizontal mounting position of the retractable locating pin/load centre at 100 mm from the rod axis

Load position ©

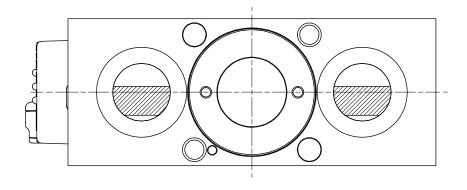
Vertical mounting position of the retractable locating pin/load centre at 100 mm from the rod axis





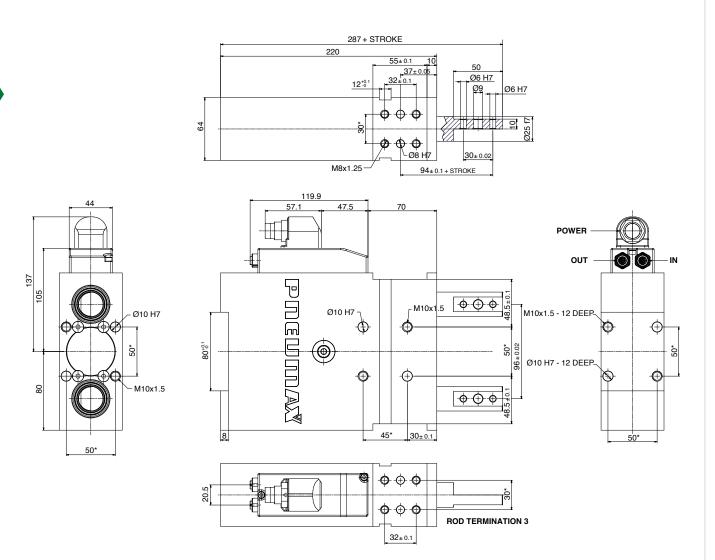
Ordering string

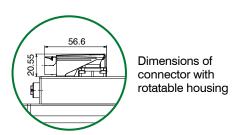
FTE 50-series FT E 50 5 2 **VERSION** FT = Retractable locating pin packages with dual rods and toggle lock **OPERATION E** = brushless motor, 48 VDC, with drive The pin package is supplied with the drive mounted on the rear side, it can easily be rotated to the front side by untightening the tie rod SIZE **50** = equivalent to size 50 (pn) **ROD TERMINATION 3** = Mounting surface on the rods corresponds to the pin package axis = 2.5 mm out of the axis mounting surface **ROD ORIENTATION CONNECTOR** = connector with rotatable housing = connector for vario-X control





FTE50-3 / Electric retractable locating PIN PACKAGE - Rod termination 3



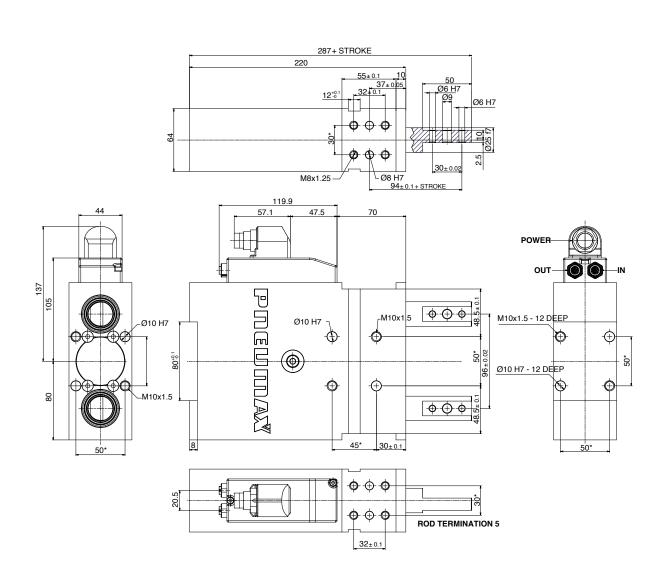


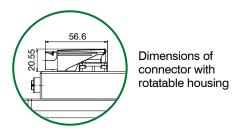
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

REV.02 - 01/08/2024

FTE50-5 / Electric retractable locating PIN PACKAGE - Rod termination 5





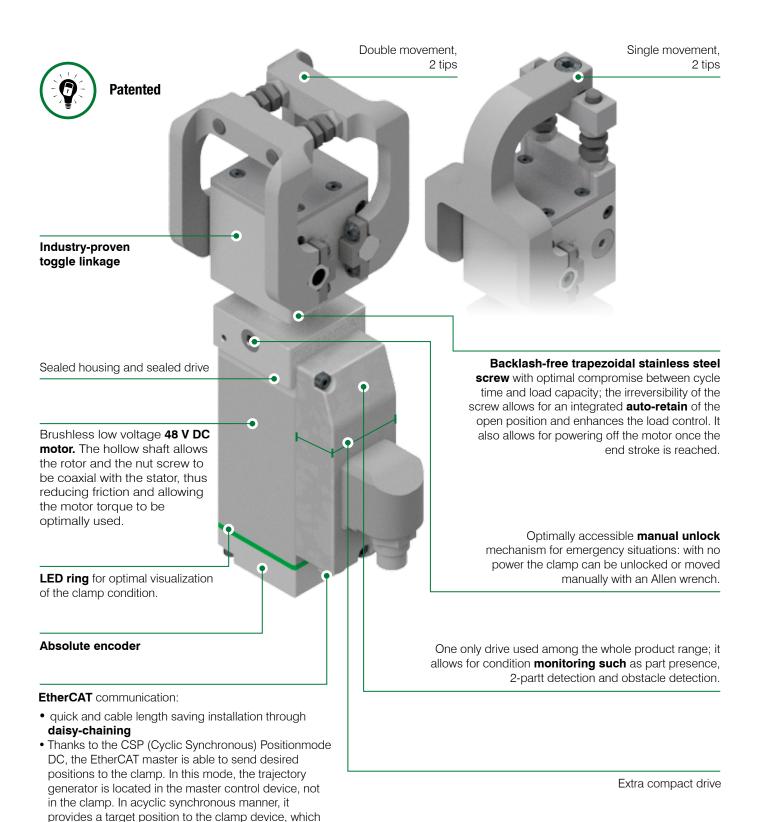
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

REV.02 - 01/08/2024

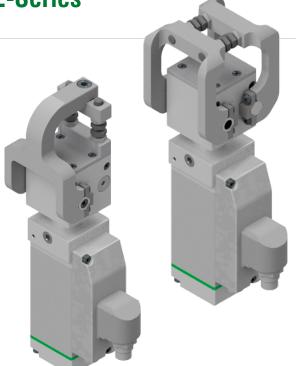
Handling

E48-Smart Highlights



performs position control.





Electric gripper clamps

- Stepless adjustable opening angle
- The drive can be installed on all 4 sides
- · Completely enclosed design
- Optimally accessible manual unlock mechanism for emergency situations, which can also be used as manual operation
- Backlash-free trapezoidal screw with optimal compromise between cycle time and load; the irreversibility of the screw allows for an integrated auto-retain of the open position and enhances the load control
- Brushless low voltage motors with absolute encoder and optimized cable cross-sections
- Cable lengths can be reduced by daisy-chaining the drive

Functional charts

Size 40

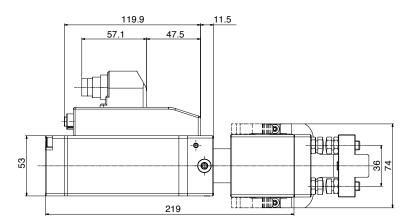


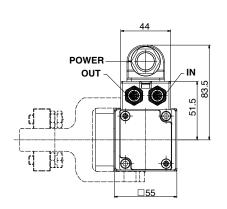
- Cycle time for max opening angle
 0.8 s
- Holding moment 75 N m / 55 lb·ft
- Clamping moment 50 N m / 36 lb·ft

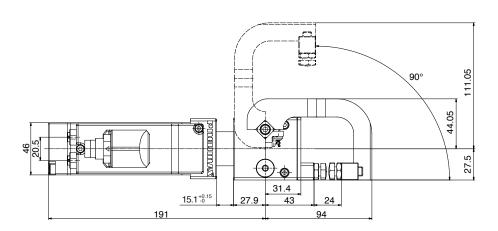
Ordering string

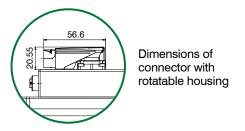
G E 40 1 A **GE-Series VERSION G** = gripper clamp **OPERATION E** = brushless motor, 48 VDC, with drive SIZE **40** = equivalent to size 40 (pn) ARM MOVEMENT = single jaw moving = two jaws moving **CLAMP ARM TYPE** = adjustable mount = base mount **CONNECTOR** = connector with rotatable housing = connector for vario-X control

GE401 / Electric gripper clamp







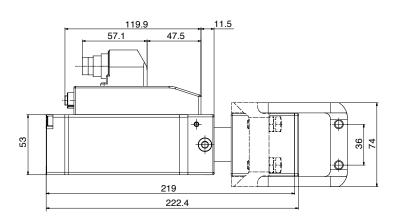


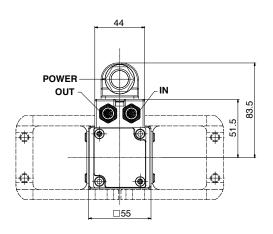
* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

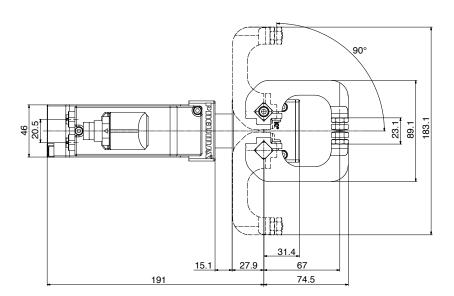
DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

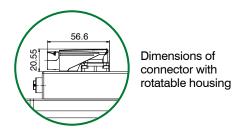
REV.02 - 26/07/2024

GE402 / Electric gripper clamp









* DIMENSIONAL TOLERANCE FOR DOWEL HOLES: ±0.02

DIMENSIONAL TOLERANCE FOR THREADED HOLES: ±0.1

REV.02 - 26/07/2024



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