

## Quarter turn actuators DAPS



# Quarter turn actuators DAPS

Key features

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## Brief description

-  - Size  
0008 ... 8000

-  - Torque  
8 ... 8,000 Nm

Swivel angle  
0 ... 90°

The quarter turn actuators DAPS are specially tailored to the requirements of the process industry. The torque is generated via a scotch yoke mechanism. This is advantageous for overcoming the valve's high breakaway torques.

Given their robustness and graduated torques, the DAPS quarter turn actuators are predominantly used to control valves through which various media flow and whose angle of rotation is limited to 90°, e.g. ball valves and butterfly valves.

- Compact design
- Torque characteristics matched to the process valves
- For the same housing size, the single-acting drive has half the torque of the double-acting drive
- Low wearing thanks to the simple and robust mechanical system
- Adjustable swivel angle
- Selected types acc. to ATEX directive for explosive atmospheres  
➔ [www.festo.com/en/ex](http://www.festo.com/en/ex)

- Port pattern to Namur VDI/VDE 3845 for attaching solenoid valves



## Quarter turn actuators DAPS, double-acting

Product range overview

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| Flange hole pattern – Connection dimensions to DIN ISO 5211 and Namur VDI/VDE 3845 |     |     |     |     |     |     |     |     |     |              |
|------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
| Connection                                                                         | F03 | F03 | F04 | F04 | F05 | F05 | F05 | F07 | F07 | Shaft height |
| Square                                                                             | V11 | V11 | V11 | V14 | V11 | V14 | V17 | V14 | V17 |              |
| DAPS-0008-...-F03                                                                  | ■   | –   | –   | –   | –   | –   | –   | –   | –   | 20           |
| DAPS-0015-...-F03                                                                  | –   | ■   | –   | –   | –   | –   | –   | –   | –   | 20           |
| DAPS-0015-...-F04                                                                  | –   | –   | ■   | –   | –   | –   | –   | –   | –   | 20           |
| DAPS-0030-...-F0305                                                                | –   | ■   | –   | –   | ■   | –   | –   | –   | –   | 20           |
| DAPS-0030-...-F04                                                                  | –   | –   | ■   | –   | –   | –   | –   | –   | –   | 20           |
| DAPS-0060-...-F04                                                                  | –   | –   | –   | ■   | –   | –   | –   | –   | –   | 20           |
| DAPS-0060-...-F0507                                                                | –   | –   | –   | –   | –   | ■   | –   | ■   | –   | 20           |
| DAPS-0106-...-F0507                                                                | –   | –   | –   | –   | –   | –   | ■   | –   | ■   | 20           |
| Hole pattern for Namur accessories                                                 | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  |              |
|                                                                                    | 30  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  |              |

| Flange hole pattern – Connection dimensions to DIN ISO 5211 and Namur VDI/VDE 3845 |     |     |     |     |     |     |     |     |     |     |     |              |
|------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
| Connection                                                                         | F07 | F10 | F10 | F12 | F12 | F12 | F14 | F14 | F16 | F16 | F25 | Shaft height |
| Square                                                                             | V22 | V22 | V27 | V27 | V36 | V46 | V36 | V46 | V46 | V46 | V55 |              |
| DAPS-0180-...-F0710                                                                | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0240-...-F0710                                                                | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0360-...-F0710                                                                | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0480-...-F1012                                                                | –   | –   | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0720-...-F1012                                                                | –   | –   | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0960-...-F12                                                                  | –   | –   | –   | –   | ■   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0960-...-F14                                                                  | –   | –   | –   | –   | –   | –   | ■   | –   | –   | –   | –   | 30           |
| DAPS-1440-...-F12                                                                  | –   | –   | –   | –   | ■   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-1440-...-F14                                                                  | –   | –   | –   | –   | –   | –   | ■   | –   | –   | –   | –   | 30           |
| DAPS-1920-...-F14                                                                  | –   | –   | –   | –   | –   | –   | –   | ■   | –   | –   | –   | 30           |
| DAPS-1920-...-F1216                                                                | –   | –   | –   | –   | –   | ■   | –   | –   | ■   | –   | –   | 30           |
| DAPS-2880-...-F16                                                                  | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | –   | 30           |
| DAPS-3840-...-F16                                                                  | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | –   | 30           |
| DAPS-5760-...-F25                                                                  | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| DAPS-8000-...-R-F25                                                                | –   | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| Hole pattern for Namur accessories                                                 | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  |              |
|                                                                                    | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 130 | 130 |              |

# Quarter turn actuators DAPS, single-acting

Product range overview

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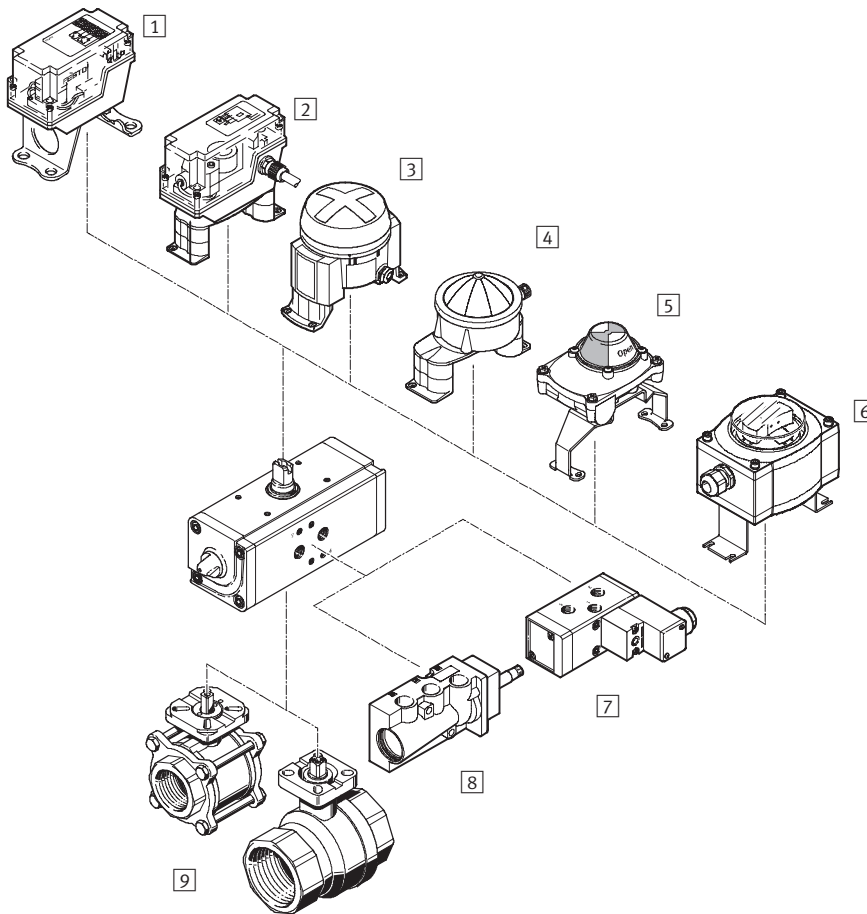
| Flange hole pattern – Connection dimensions to DIN ISO 5211 and Namur VDI/VDE 3845 |     |     |     |     |     |     |     |     |              |
|------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
| Connection                                                                         | F03 | F04 | F04 | F05 | F05 | F05 | F07 | F07 | Shaft height |
| Square                                                                             | V11 | V11 | V14 | V11 | V14 | V17 | V14 | V17 |              |
| DAPS-0015-...-F0305                                                                | ■   | –   | –   | ■   | –   | –   | –   | –   | 20           |
| DAPS-0015-...-F04                                                                  | –   | ■   | –   | –   | –   | –   | –   | –   | 20           |
| DAPS-0030-...-F04                                                                  | –   | –   | ■   | –   | –   | –   | –   | –   | 20           |
| DAPS-0030-...-F0507                                                                | –   | –   | –   | –   | ■   | –   | ■   | –   | 20           |
| DAPS-0053-...-F0507                                                                | –   | –   | –   | –   | –   | ■   | –   | ■   | 20           |
| Hole pattern for Namur accessories                                                 | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  |              |
|                                                                                    | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  |              |

| Flange hole pattern – Connection dimensions to DIN ISO 5211 and Namur VDI/VDE 3845 |     |     |     |     |     |     |     |     |     |     |              |
|------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|
| Connection                                                                         | F07 | F10 | F10 | F12 | F12 | F12 | F14 | F14 | F16 | F16 | Shaft height |
| Square                                                                             | V22 | V22 | V27 | V27 | V36 | V46 | V36 | V46 | V46 | V46 |              |
| DAPS-0090-...-F0710                                                                | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0120-...-F0710                                                                | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0180-...-F0710                                                                | ■   | ■   | –   | –   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0240-...-F1012                                                                | –   | –   | ■   | ■   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0360-...-F1012                                                                | –   | –   | ■   | ■   | –   | –   | –   | –   | –   | –   | 30           |
| DAPS-0480-...-F12                                                                  | –   | –   | –   | –   | ■   | –   | –   | –   | –   | –   | 30           |
| DAPS-0480-...-F14                                                                  | –   | –   | –   | –   | –   | –   | ■   | –   | –   | –   | 30           |
| DAPS-0720-...-F12                                                                  | –   | –   | –   | –   | ■   | –   | –   | –   | –   | –   | 30           |
| DAPS-0720-...-F14                                                                  | –   | –   | –   | –   | –   | –   | ■   | –   | –   | –   | 30           |
| DAPS-0960-...-F14                                                                  | –   | –   | –   | –   | –   | –   | –   | ■   | –   | –   | 30           |
| DAPS-0960-...-F1216                                                                | –   | –   | –   | –   | –   | ■   | –   | –   | ■   | –   | 30           |
| DAPS-1440-...-F16                                                                  | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| DAPS-1920-...-F16                                                                  | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| DAPS-2880-...-F16                                                                  | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| DAPS-4000-...-RS1-F25                                                              | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| DAPS-4000-...-RS2-F25                                                              | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| DAPS-4000-...-RS3-F25                                                              | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| DAPS-4000-...-RS4-F25                                                              | –   | –   | –   | –   | –   | –   | –   | –   | –   | ■   | 30           |
| Hole pattern for Namur accessories                                                 | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  |              |
|                                                                                    | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 130 |              |

# Quarter turn actuators DAPS

Peripherals overview

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| Mounting attachments and accessories |                                                                                                                                                                                                                     |                      |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|                                      | Brief description                                                                                                                                                                                                   | → Page/Internet      |
| 1                                    | End-position sensing attachment QH-DR-E<br>Square design<br>Pneumatic, electrical or inductive sensing                                                                                                              | qh-dr-e              |
| 2                                    | End-position sensing attachment DAPZ<br>Square design<br>Electrical, electrically explosion-proof or inductive sensing                                                                                              | dapz                 |
| 3                                    | End-position sensing attachment DAPZ<br>Round design, variant AR<br>Electrical, inductive or inductively explosion-proof sensing                                                                                    | dapz                 |
| 4                                    | End-position sensing attachment DAPZ<br>Round design, variant RO<br>Electrical, inductive or inductive Namur sensing                                                                                                | dapz                 |
| 5                                    | End-position sensing attachment SRBF<br>Square design<br>Sensing via two mechanical switches                                                                                                                        | srbf                 |
| 6                                    | Sensor box SRBP, SRAP<br>SRBP, binary sensor box reports the open and closed position of the drive<br>SRAP, analogue sensor box continuously senses the entire swivel range and reports this back to the controller | srbp, srap           |
| 7                                    | Solenoid valve MFH <sup>1)</sup><br>Solenoid valve MN1H <sup>1)</sup><br>Solenoid valve MGTBH <sup>1)</sup>                                                                                                         | mfh<br>mn1h<br>mgtbh |
| 8                                    | Solenoid valve NVF3 <sup>1)</sup>                                                                                                                                                                                   | nvf3                 |
| 9                                    | Ball valve VAPB<br>Brass or stainless steel, corrosion-resistant                                                                                                                                                    | vapb                 |

1) Direct mounting of the solenoid valves only possible as from size 0015

# Quarter turn actuators DAPS, double-acting

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Type codes

|                                |                         |      |   |      |   |     |   |   |   |     |    |
|--------------------------------|-------------------------|------|---|------|---|-----|---|---|---|-----|----|
|                                |                         | DAPS | – | 0240 | – | 090 | – | R | – | F10 | 12 |
| <b>Type</b>                    |                         |      |   |      |   |     |   |   |   |     |    |
| DAPS                           | Quarter turn actuator   |      |   |      |   |     |   |   |   |     |    |
| <b>Size</b>                    |                         |      |   |      |   |     |   |   |   |     |    |
| 0008                           | Nominal torque 8 Nm     |      |   |      |   |     |   |   |   |     |    |
| 0015                           | Nominal torque 15 Nm    |      |   |      |   |     |   |   |   |     |    |
| 0030                           | Nominal torque 30 Nm    |      |   |      |   |     |   |   |   |     |    |
| 0060                           | Nominal torque 60 Nm    |      |   |      |   |     |   |   |   |     |    |
| 0106                           | Nominal torque 106 Nm   |      |   |      |   |     |   |   |   |     |    |
| 0180                           | Nominal torque 180 Nm   |      |   |      |   |     |   |   |   |     |    |
| 0240                           | Nominal torque 240 Nm   |      |   |      |   |     |   |   |   |     |    |
| 0360                           | Nominal torque 360 Nm   |      |   |      |   |     |   |   |   |     |    |
| 0480                           | Nominal torque 480 Nm   |      |   |      |   |     |   |   |   |     |    |
| 0720                           | Nominal torque 720 Nm   |      |   |      |   |     |   |   |   |     |    |
| 0960                           | Nominal torque 960 Nm   |      |   |      |   |     |   |   |   |     |    |
| 1440                           | Nominal torque 1440 Nm  |      |   |      |   |     |   |   |   |     |    |
| 1920                           | Nominal torque 1920 Nm  |      |   |      |   |     |   |   |   |     |    |
| 2880                           | Nominal torque 2880 Nm  |      |   |      |   |     |   |   |   |     |    |
| 3840                           | Nominal torque 3840 Nm  |      |   |      |   |     |   |   |   |     |    |
| 5760                           | Nominal torque 5760 Nm  |      |   |      |   |     |   |   |   |     |    |
| 8000                           | Nominal torque 8000 Nm  |      |   |      |   |     |   |   |   |     |    |
| <b>Swivel angle</b>            |                         |      |   |      |   |     |   |   |   |     |    |
| 090                            | 90°                     |      |   |      |   |     |   |   |   |     |    |
| <b>Closing direction</b>       |                         |      |   |      |   |     |   |   |   |     |    |
| R                              | Closes to right         |      |   |      |   |     |   |   |   |     |    |
| <b>Mode of operation</b>       |                         |      |   |      |   |     |   |   |   |     |    |
|                                | Double-acting           |      |   |      |   |     |   |   |   |     |    |
| <b>1st flange hole pattern</b> |                         |      |   |      |   |     |   |   |   |     |    |
| F03                            | Flange hole pattern F03 |      |   |      |   |     |   |   |   |     |    |
| F04                            | Flange hole pattern F04 |      |   |      |   |     |   |   |   |     |    |
| F05                            | Flange hole pattern F05 |      |   |      |   |     |   |   |   |     |    |
| F07                            | Flange hole pattern F07 |      |   |      |   |     |   |   |   |     |    |
| F10                            | Flange hole pattern F10 |      |   |      |   |     |   |   |   |     |    |
| F12                            | Flange hole pattern F12 |      |   |      |   |     |   |   |   |     |    |
| F14                            | Flange hole pattern F14 |      |   |      |   |     |   |   |   |     |    |
| F16                            | Flange hole pattern F16 |      |   |      |   |     |   |   |   |     |    |
| F25                            | Flange hole pattern F25 |      |   |      |   |     |   |   |   |     |    |
| <b>2nd flange hole pattern</b> |                         |      |   |      |   |     |   |   |   |     |    |
| 05                             | Flange hole pattern F05 |      |   |      |   |     |   |   |   |     |    |
| 07                             | Flange hole pattern F07 |      |   |      |   |     |   |   |   |     |    |
| 10                             | Flange hole pattern F10 |      |   |      |   |     |   |   |   |     |    |
| 12                             | Flange hole pattern F12 |      |   |      |   |     |   |   |   |     |    |
| 16                             | Flange hole pattern F16 |      |   |      |   |     |   |   |   |     |    |

# Quarter turn actuators DAPS, double-acting

Technical data

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Function



Swivel angle  
0 ... 90°

Wearing parts kits  
→ 18



-  - Size  
0008 ... 8000

-  - Torque  
8 ... 8000 Nm

| General technical data                   |                                      |                 |                 |                 |                 |
|------------------------------------------|--------------------------------------|-----------------|-----------------|-----------------|-----------------|
| Size                                     | 0008                                 | 0015 ... 0360   | 0480 ... 1920   | 2880 ... 5760   | 8000            |
| Pneumatic connection                     | G $\frac{1}{8}$                      | G $\frac{1}{8}$ | G $\frac{1}{4}$ | G $\frac{3}{8}$ | G $\frac{3}{8}$ |
| Design                                   | Scotch yoke mechanism, double-acting |                 |                 |                 |                 |
| Mounting position                        | Any                                  |                 |                 |                 |                 |
| Swivel angle [°]                         | 90                                   |                 |                 |                 |                 |
| End position adjustment range at 0° [°]  | –                                    | –               | –               | ±5              | ±5              |
| End position adjustment range at 90° [°] | –                                    | ±2              | ±2              | ±5              | ±5              |
| Closing direction                        | Closes to right                      |                 |                 |                 |                 |

| Operating and environmental conditions                                                           |                                                  |               |               |               |         |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------|---------------|---------------|---------|
| Size                                                                                             | 0008                                             | 0015 ... 0360 | 0480 ... 1920 | 2880 ... 5760 | 8000    |
| Operating pressure [bar]                                                                         | 1 ... 8.4                                        |               |               |               | 1 ... 7 |
| Nominal operating pressure [bar]                                                                 | 5,6                                              |               |               |               |         |
| Operating medium                                                                                 | Dried compressed air, lubricated or unlubricated |               |               |               |         |
| Ambient temperature [°C]                                                                         | –20 ... +80                                      |               |               |               |         |
| Corrosion resistance class CRC <sup>1)</sup>                                                     | 3                                                |               |               |               |         |
| CE marking (see declaration of conformity)<br>→ <a href="http://www.festo.com">www.festo.com</a> | Explosion protection directive 94/9/EC - ATEX    |               |               |               |         |
| ATEX specification                                                                               | II 2 GD c X                                      |               |               |               |         |
| ATEX ambient temperature                                                                         | –20 °C ≤ Ta ≤ +60 °C                             |               |               |               |         |

1) Corrosion resistance class 3 to Festo standard 940 070  
Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

| Air consumption [l/cycle] at 6 bar |      |           |       |
|------------------------------------|------|-----------|-------|
| Size                               |      | Size      |       |
| DAPS-0008                          | 0.4  | DAPS-0720 | 24.5  |
| DAPS-0015                          | 0.72 | DAPS-0960 | 48    |
| DAPS-0030                          | 1.44 | DAPS-1440 | 53.2  |
| DAPS-0060                          | 3    | DAPS-1920 | 96    |
| DAPS-0106                          | 5.04 | DAPS-2880 | 140   |
| DAPS-0180                          | 8.64 | DAPS-3840 | 170.1 |
| DAPS-0240                          | 12   | DAPS-5760 | 266   |
| DAPS-0360                          | 17.4 | DAPS-8000 | 300   |
| DAPS-0480                          | 24   |           |       |

## Quarter turn actuators DAPS, double-acting

Technical data

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| Weights [kg] |      |           |      |
|--------------|------|-----------|------|
| Size         |      | Size      |      |
| DAPS-0008    | 0.3  | DAPS-0720 | 12.2 |
| DAPS-0015    | 0.75 | DAPS-0960 | 17.4 |
| DAPS-0030    | 1    | DAPS-1440 | 23.0 |
| DAPS-0060    | 1.9  | DAPS-1920 | 30.7 |
| DAPS-0106    | 2.3  | DAPS-2880 | 55   |
| DAPS-0180    | 4.1  | DAPS-3840 | 49   |
| DAPS-0240    | 5.2  | DAPS-5760 | 85   |
| DAPS-0360    | 6.2  | DAPS-8000 | 110  |
| DAPS-0480    | 8.2  |           |      |

| Materials          |                         |
|--------------------|-------------------------|
| Semi-rotary drives |                         |
| Housing            | Wrought aluminium alloy |
| End cap            | Wrought aluminium alloy |
| Shaft              | Stainless steel         |
| External screws    | Stainless steel         |
| Seals              | Nitrile rubber          |

# Quarter turn actuators DAPS, double-acting

Technical data

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| Actual torque [Nm] as a function of operating pressure [bar] and swivel angle [°] |                  |                          |        |        |        |      |        |        |        |
|-----------------------------------------------------------------------------------|------------------|--------------------------|--------|--------|--------|------|--------|--------|--------|
| Size                                                                              | Swivel angle [°] | Operating pressure [bar] |        |        |        |      |        |        |        |
|                                                                                   |                  | 2.5                      | 3      | 4      | 5      | 5.6  | 6      | 7      | 8      |
| DAPS-0008                                                                         | 0                | 3.1                      | 3.8    | 5      | 6.3    | 7    | 7.5    | 8.8    | 10     |
|                                                                                   | 50               | 1.6                      | 1.9    | 2.5    | 3.1    | 3.5  | 3.8    | 4.4    | 5      |
|                                                                                   | 90               | 3.1                      | 3.8    | 5      | 6.3    | 7    | 7.5    | 8.8    | 10     |
| DAPS-0015                                                                         | 0                | 6.7                      | 8      | 10.7   | 13.4   | 15   | 16.1   | 18.8   | 21.4   |
|                                                                                   | 50               | 3.3                      | 4      | 5.4    | 6.7    | 7.5  | 8      | 9.4    | 10.7   |
|                                                                                   | 90               | 5                        | 6      | 8.1    | 10.1   | 11.3 | 12.1   | 14.1   | 16.1   |
| DAPS-0030                                                                         | 0                | 13.4                     | 16.1   | 21.4   | 26.8   | 30   | 32.1   | 37.5   | 42.9   |
|                                                                                   | 50               | 6.7                      | 8      | 10.7   | 13.4   | 15   | 16.1   | 18.8   | 21.4   |
|                                                                                   | 90               | 10                       | 12     | 16.1   | 20.1   | 22.5 | 24.1   | 28.1   | 32.1   |
| DAPS-0060                                                                         | 0                | 26.8                     | 32.1   | 42.9   | 53.6   | 60   | 64.3   | 75     | 85.7   |
|                                                                                   | 50               | 13.4                     | 16.1   | 21.4   | 26.8   | 30   | 32.1   | 37.5   | 42.9   |
|                                                                                   | 90               | 20.1                     | 24.1   | 32.1   | 40.2   | 45   | 48.2   | 56.3   | 64.3   |
| DAPS-0106                                                                         | 0                | 47.5                     | 57     | 76     | 95     | 106  | 114    | 133    | 151    |
|                                                                                   | 50               | 23.5                     | 28     | 38     | 47     | 53   | 57     | 66     | 76     |
|                                                                                   | 90               | 35.5                     | 43     | 57     | 71     | 80   | 86     | 100    | 114    |
| DAPS-0180                                                                         | 0                | 80.4                     | 96     | 128.4  | 160.8  | 180  | 193.2  | 225.6  | 264.8  |
|                                                                                   | 50               | 40.2                     | 48     | 64.8   | 80.4   | 90   | 96     | 112.8  | 128.4  |
|                                                                                   | 90               | 60.6                     | 72     | 97.2   | 121.2  | 135  | 145.2  | 169.2  | 193.2  |
| DAPS-0240                                                                         | 0                | 107.1                    | 128.6  | 171.4  | 214.3  | 240  | 257.1  | 300    | 342.9  |
|                                                                                   | 50               | 53.5                     | 64.3   | 85.7   | 107.1  | 120  | 128.6  | 150    | 171.4  |
|                                                                                   | 90               | 80.3                     | 96.4   | 128.6  | 160.7  | 180  | 192.9  | 225    | 257.1  |
| DAPS-0360                                                                         | 0                | 160.8                    | 192    | 256.8  | 321.6  | 360  | 386.4  | 451.2  | 513.6  |
|                                                                                   | 50               | 80.4                     | 96     | 129.6  | 160.8  | 180  | 192    | 225.6  | 264.8  |
|                                                                                   | 90               | 121.2                    | 144    | 194.4  | 242.4  | 270  | 290.4  | 338.4  | 386.4  |
| DAPS-0480                                                                         | 0                | 214.3                    | 257.1  | 342.9  | 428.6  | 480  | 514.3  | 600    | 685.7  |
|                                                                                   | 50               | 107.1                    | 128.6  | 171.4  | 214.3  | 240  | 257.1  | 300    | 342.9  |
|                                                                                   | 90               | 160.7                    | 192.9  | 257.1  | 321.4  | 360  | 358.7  | 450    | 514.3  |
| DAPS-0720                                                                         | 0                | 321.4                    | 384    | 513.6  | 643.2  | 720  | 772.8  | 902.4  | 1027.2 |
|                                                                                   | 50               | 160.7                    | 192    | 259.2  | 321.6  | 360  | 384    | 451.2  | 529.6  |
|                                                                                   | 90               | 241                      | 288.1  | 388.8  | 484.8  | 540  | 580.8  | 676.8  | 772.8  |
| DAPS-0960                                                                         | 0                | 428.6                    | 514.3  | 685.7  | 857.1  | 960  | 1028.6 | 1200   | 1371.4 |
|                                                                                   | 50               | 214.3                    | 257.1  | 342.9  | 428.6  | 480  | 514.3  | 600    | 685.7  |
|                                                                                   | 90               | 321.4                    | 385.7  | 514.3  | 642.9  | 720  | 771.4  | 900    | 1028.6 |
| DAPS-1440                                                                         | 0                | 642.8                    | 768    | 1027.2 | 1286.4 | 1440 | 1545.6 | 1804.8 | 2057.4 |
|                                                                                   | 50               | 321.4                    | 384    | 518.4  | 643.2  | 720  | 768    | 902.4  | 1059.2 |
|                                                                                   | 90               | 482.1                    | 576    | 777.6  | 969.9  | 1080 | 1161.6 | 1353.6 | 1545.6 |
| DAPS-1920                                                                         | 0                | 857.1                    | 1028.6 | 1371.4 | 1714.3 | 1920 | 2057.1 | 2400   | 2742.9 |
|                                                                                   | 50               | 428.6                    | 514.3  | 685.8  | 857.1  | 960  | 1028.6 | 1200   | 1371.4 |
|                                                                                   | 90               | 642.9                    | 771.4  | 1028.6 | 1285.7 | 1440 | 1542.9 | 1800   | 2057.1 |
| DAPS-2880                                                                         | 0                | 1285                     | 1542   | 2057   | 2571   | 2880 | 3085   | 3600   | 4114   |
|                                                                                   | 50               | 642                      | 771    | 1028   | 1285   | 1440 | 1542   | 1800   | 2057   |
|                                                                                   | 90               | 856                      | 1028   | 1371   | 1741   | 1920 | 2056   | 2400   | 2742   |
| DAPS-3840                                                                         | 0                | 1714                     | 2057   | 2743   | 3428   | 3840 | 4114   | 4800   | 5485   |
|                                                                                   | 50               | 857                      | 1028   | 1371   | 1714   | 1920 | 2057   | 2400   | 2742   |
|                                                                                   | 90               | 1285                     | 1543   | 2057   | 2571   | 2880 | 3085   | 3600   | 4114   |
| DAPS-5760                                                                         | 0                | 2571                     | 3085   | 4114   | 5142   | 5760 | 6171   | 7200   | 8228   |
|                                                                                   | 50               | 1285                     | 1542   | 2057   | 2571   | 2880 | 3085   | 3600   | 4141   |
|                                                                                   | 90               | 1928                     | 2313   | 3085   | 3856   | 4320 | 4628   | 5400   | 6171   |
| DAPS-8000                                                                         | 0                | 3571.4                   | 4285.7 | 5714.3 | 7142.9 | 8000 | 8571.4 | 10000  | –      |
|                                                                                   | 50               | 1785.7                   | 2142.9 | 2857.1 | 3571.4 | 4000 | 4285.7 | 5000   | –      |
|                                                                                   | 90               | 2678.6                   | 3214.3 | 4285.7 | 5357.1 | 6000 | 6428.6 | 7500   | –      |

Torque for size at 5.6 bar and swivel angle 0°

# Quarter turn actuators DAPS, double-acting

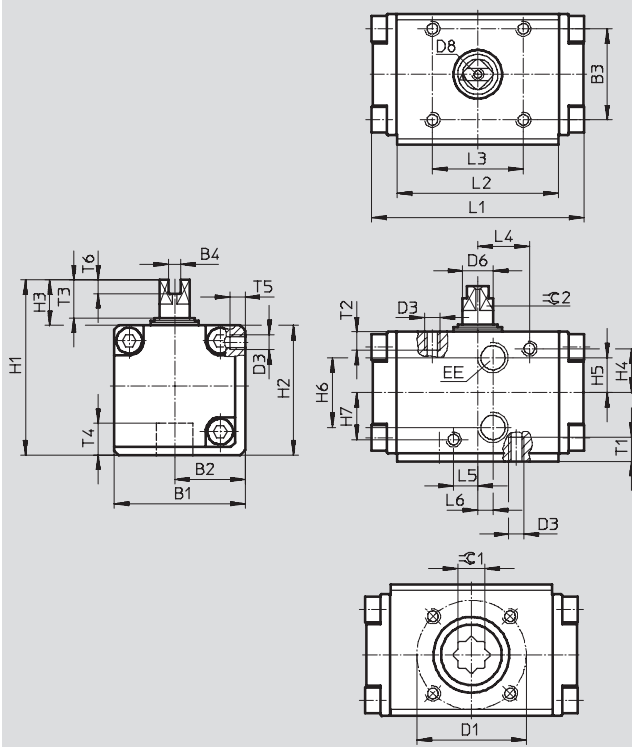
Technical data

**FESTO**

## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 0008



| Size         | B1   | B2   | B3 | B4 | D1<br>Ø | D3 | D6<br>Ø | D8 | EE              | H1   | H2   | H3 | H4   | H5   | H6 |
|--------------|------|------|----|----|---------|----|---------|----|-----------------|------|------|----|------|------|----|
| DAPS-008-... | 43.2 | 23.2 | 30 | 4  | 36      | M5 | 10      | M4 | G $\frac{1}{8}$ | 57.7 | 42.7 | 15 | 14.5 | 11.5 | 23 |

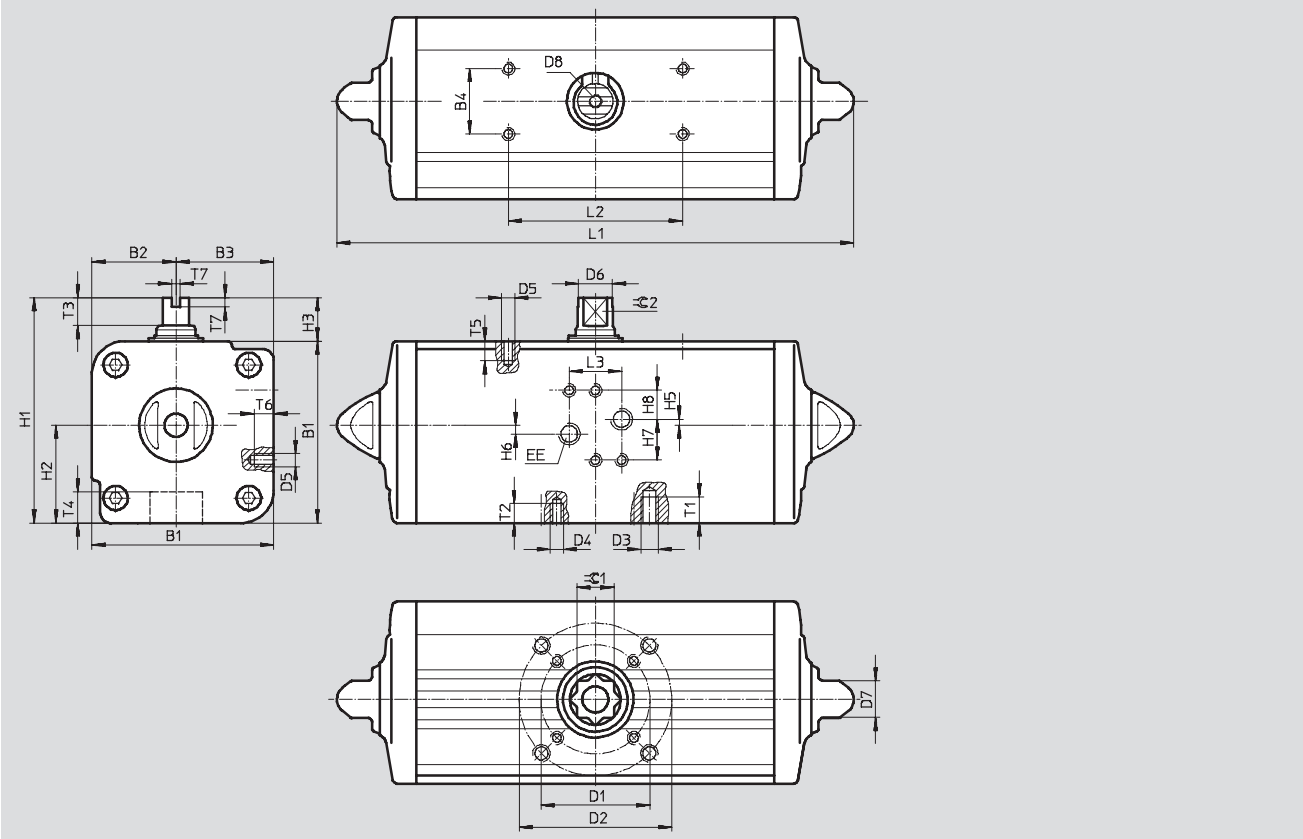
| Size         | H7   | L1 | L2 | L3 | L4 | L5 | L6 | T1 | T2 | T3   | T4   | T5 | T6  | ⌀ 1 | ⌀ 2 |
|--------------|------|----|----|----|----|----|----|----|----|------|------|----|-----|-----|-----|
| DAPS-008-... | 15.5 | 70 | 53 | 30 | 17 | 8  | 5  | 8  | 6  | 12.5 | 10.4 | 5  | 4.5 | 9   | 8   |

# Quarter turn actuators DAPS, double-acting

Technical data

**FESTO**

Size 0015 ... 0360



| Size                | B1    | B2   | B3   | B4 | D1<br>Ø<br>±0.1 | D2<br>Ø<br>±0.1 | D3  | D4 | D5 | D6<br>Ø | D7<br>Ø | D8 | EE   | H1    | H2   | H3 |
|---------------------|-------|------|------|----|-----------------|-----------------|-----|----|----|---------|---------|----|------|-------|------|----|
| DAPS-0015-...-F03   | 52.2  | 24.2 | 28   | 30 | 36              | —               | —   | M5 | M5 | 9.2     | 13      | M6 | G1/8 | 72.2  | 28   | 20 |
| DAPS-0015-...-F04   |       |      |      |    | 42              |                 |     | M5 |    |         |         |    |      |       |      |    |
| DAPS-0030-...-F0305 | 59.2  | 27.7 | 31.5 |    | 36              | 50              | M6  | M5 |    | 10.9    | 13      |    |      | 79.2  | 31.5 | 20 |
| DAPS-0030-...-F04   |       |      |      |    | 42              | —               | —   | M5 |    |         |         |    |      |       |      |    |
| DAPS-0060-...-F04   | 70.4  | 32.7 | 37.7 |    | 42              | —               | —   | M5 |    | 14.5    | 13      |    |      | 90.4  | 37.7 | 20 |
| DAPS-0060-...-F0507 |       |      |      |    | 50              | 70              | M8  | M6 |    |         |         |    |      |       |      |    |
| DAPS-0106-...-F0507 | 83.3  | 38.5 | 44.8 |    | 50              | 70              | M8  | M6 |    | 16.2    | 17      |    |      | 103.3 | 44.8 | 20 |
| DAPS-0180-...-F0710 | 107.5 | 51   | 56.5 |    | 70              | 102             | M10 | M8 |    | 20.2    | 22      |    |      | 137.5 | 56.5 | 30 |
| DAPS-0240-...-F0710 | 111.1 | 51   | 60.1 |    | 70              | 102             | M10 | M8 |    | 22.5    | 22      |    |      | 141.1 | 60.1 | 30 |
| DAPS-0360-...-F0710 | 118   | 56   | 62   |    | 70              | 102             | M10 | M8 |    | 25.5    | 22      |    |      | 148   | 62   | 30 |

| Size                | H5  | H6  | H7 | H8 | L1    | L2 | L3 | T1 | T2 | T3 | T4   | T5 | T6 | T7 | ≈C 1 | ≈C 2 |
|---------------------|-----|-----|----|----|-------|----|----|----|----|----|------|----|----|----|------|------|
| DAPS-0015-...-F03   | 0.8 | 3.2 | 18 | 14 | 159   | 80 | 24 | —  | 8  | 10 | 13.2 | 6  | 7  | 4  | 11   | 8    |
| DAPS-0015-...-F04   |     |     |    |    | —     |    |    | 8  |    |    |      |    |    |    |      |      |
| DAPS-0030-...-F0305 | 0.8 | 3.2 |    |    | 174   |    |    | 9  | 8  | 10 | 13.2 |    |    |    | 11   | 9    |
| DAPS-0030-...-F04   |     |     |    |    | —     |    |    | 8  |    |    |      |    |    |    |      |      |
| DAPS-0060-...-F04   | —   | 4   |    |    | 198   |    |    | —  | 8  | 13 | 16.5 |    |    |    | 14   | 10   |
| DAPS-0060-...-F0507 |     |     |    |    | 12    |    |    | 9  |    |    |      |    |    |    |      |      |
| DAPS-0106-...-F0507 | —   | 4   |    |    | 236.5 |    |    | 12 | 9  | 13 | 19.3 |    |    |    | 17   | 12   |
| DAPS-0180-...-F0710 | —   | 4   |    |    | 289.9 |    |    | 15 | 12 | 16 | 24.8 |    |    |    | 22   | 15   |
| DAPS-0240-...-F0710 | —   | 4   |    |    | 313.6 |    |    | 15 | 12 | 17 | 24.8 |    |    |    | 22   | 15   |
| DAPS-0360-...-F0710 | —   | 4   |    |    | 339.3 |    |    | 15 | 12 | 19 | 24.3 |    |    |    | 22   | 19   |

# Quarter turn actuators DAPS, double-acting

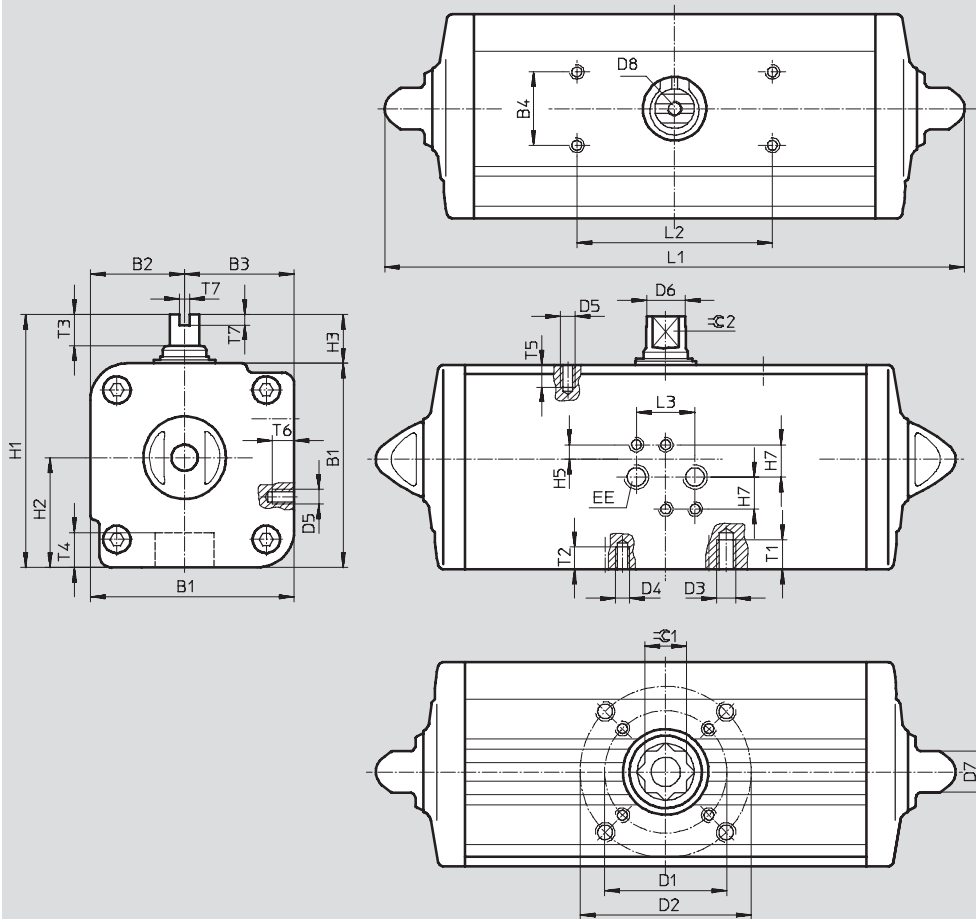
Technical data

**FESTO**

## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 0480 ... 1920



## Quarter turn actuators DAPS, double-acting

Technical data

**FESTO**

| Size                | B1    | B2   | B3    | B4 | D1<br>Ø<br>±0.1 | D2<br>Ø<br>±0.1 | D3  | D4  | D5 | D6<br>Ø | D7<br>Ø | D8 | EE | H1    | H2    |
|---------------------|-------|------|-------|----|-----------------|-----------------|-----|-----|----|---------|---------|----|----|-------|-------|
| DAPS-0480-...-F1012 | 134.9 | 62   | 72.9  | 30 | 102             | 125             | M12 | M10 | M5 | 29      | 27      | M6 | G¼ | 164.9 | 72.9  |
| DAPS-0720-...-F1012 | 148   | –    | –     |    | 102             | 125             | M12 | M10 |    | 31.8    | 27      |    |    | 178   | 78.5  |
| DAPS-0960-...-F12   | 168   | 74.5 | 93.5  |    | 102             | 125             | M12 | M10 |    | 36.5    | 27      |    |    | 198   | 93.5  |
| DAPS-0960-...-F14   |       |      |       |    | 140             | –               | –   | M16 |    |         |         |    |    |       |       |
| DAPS-1440-...-F12   | 186   | –    | –     |    | 125             | –               | –   | M12 |    | 41      | 36      |    |    | 216   | 101.5 |
| DAPS-1440-...-F14   |       |      |       |    | 140             |                 |     | M16 |    |         |         |    |    |       |       |
| DAPS-1920-...-F14   | 207.7 | 93   | 114.7 |    | 140             | –               | –   | M16 |    | 46      | 36      |    |    | 237.7 | 114.7 |
| DAPS-1920-...-F1216 |       |      |       |    | 125             | 165             | M20 | M12 |    |         |         |    |    |       |       |

| Size                | H3 | H5  | H7 | L1    | L2 | L3 | T1 | T2 | T3   | T4   | T5 | T6 | T7 | ≈C 1 | ≈C 2 |    |  |  |  |  |  |
|---------------------|----|-----|----|-------|----|----|----|----|------|------|----|----|----|------|------|----|--|--|--|--|--|
| DAPS-0480-....F1012 | 30 | 0.5 | 16 | 387.7 | 80 | 24 | 15 | 18 | 19   | 29.5 | 6  | 7  | 4  | 27   | 19   |    |  |  |  |  |  |
| DAPS-0720-....F1012 |    | −1  |    | 433   |    |    | 18 | 15 | 19.5 | 29   |    |    |    | 27   | 22   |    |  |  |  |  |  |
| DAPS-0960-....F12   |    | 0.5 |    | 479.4 |    |    | 18 | 15 | 19.5 | 38.5 |    |    |    | 36   | 24   |    |  |  |  |  |  |
| DAPS-0960-....F14   |    |     |    |       |    |    |    | 24 |      |      |    |    |    |      |      |    |  |  |  |  |  |
| DAPS-1440-....F12   |    | −1  |    | 567   |    |    | −  | 18 | 19.5 | 38.5 |    |    |    | 36   | 27   |    |  |  |  |  |  |
| DAPS-1440-....F14   |    |     |    |       |    |    |    | 24 |      |      |    |    |    |      |      |    |  |  |  |  |  |
| DAPS-1920-....F14   |    | 0.5 |    | 601   |    |    | −  | 24 | 18.5 | 48.5 |    |    |    | 46   | 32   |    |  |  |  |  |  |
| DAPS-1920-....F1216 |    |     |    |       |    |    |    | 30 |      |      |    |    |    |      |      | 18 |  |  |  |  |  |

# Quarter turn actuators DAPS, double-acting

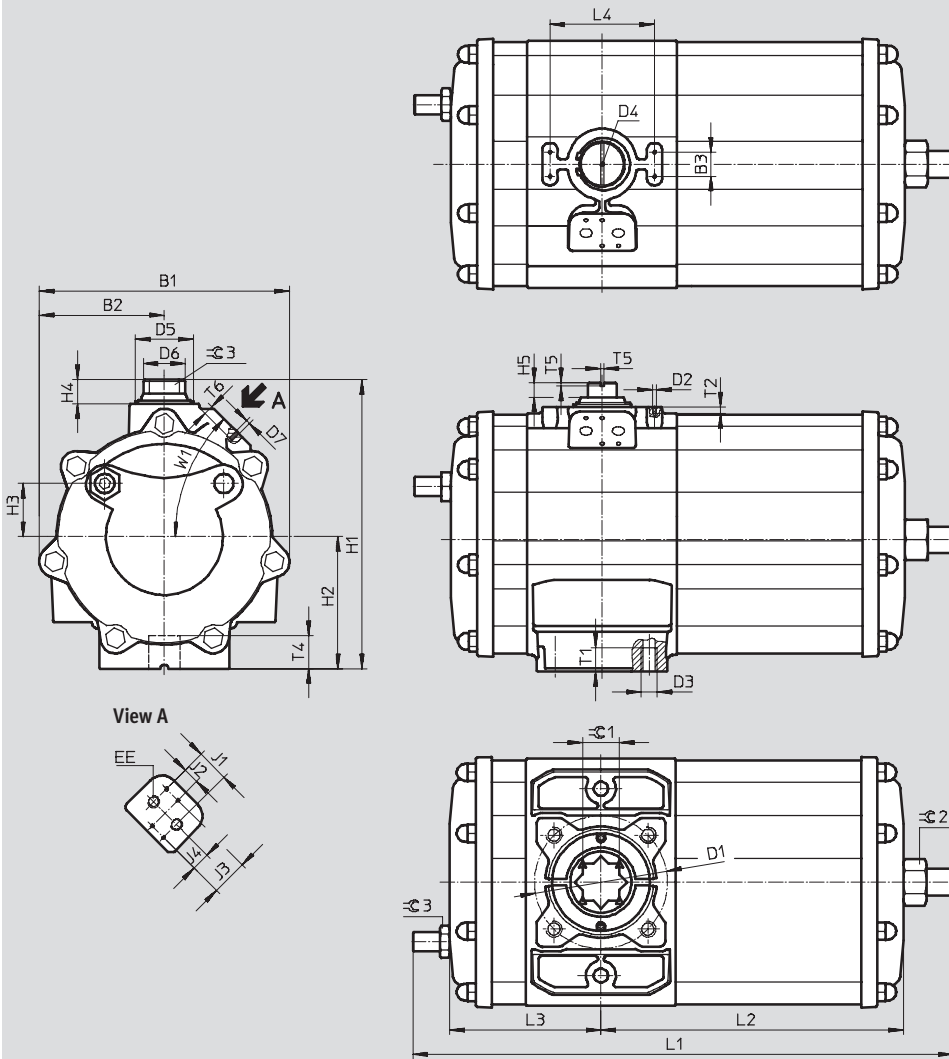
Technical data

**FESTO**

## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 2880



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D6<br>Ø | D7 | EE              | H1  | H2  | H3 | H4 | H5 | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|---------|----|-----------------|-----|-----|----|----|----|----|
| DAPS-2880-... | 311 | 155 | 30 | 165     | M5 | M20 | M6 | 72      | 52      | M5 | G $\frac{3}{8}$ | 359 | 164 | 66 | 30 | 18 | 40 |

| Size          | J2 | J3 | J4   | L1  | L2  | L3  | L4  | T1 | T2 | T4   | T5 | T6 | W1  | ≈C 1 | ≈C 2 | ≈C 3 |
|---------------|----|----|------|-----|-----|-----|-----|----|----|------|----|----|-----|------|------|------|
| DAPS-2880-... | 20 | 45 | 22.5 | 667 | 372 | 188 | 130 | 30 | 8  | 49.5 | 4  | 7  | 45° | 46   | 50   | 36   |

# Quarter turn actuators DAPS, double-acting

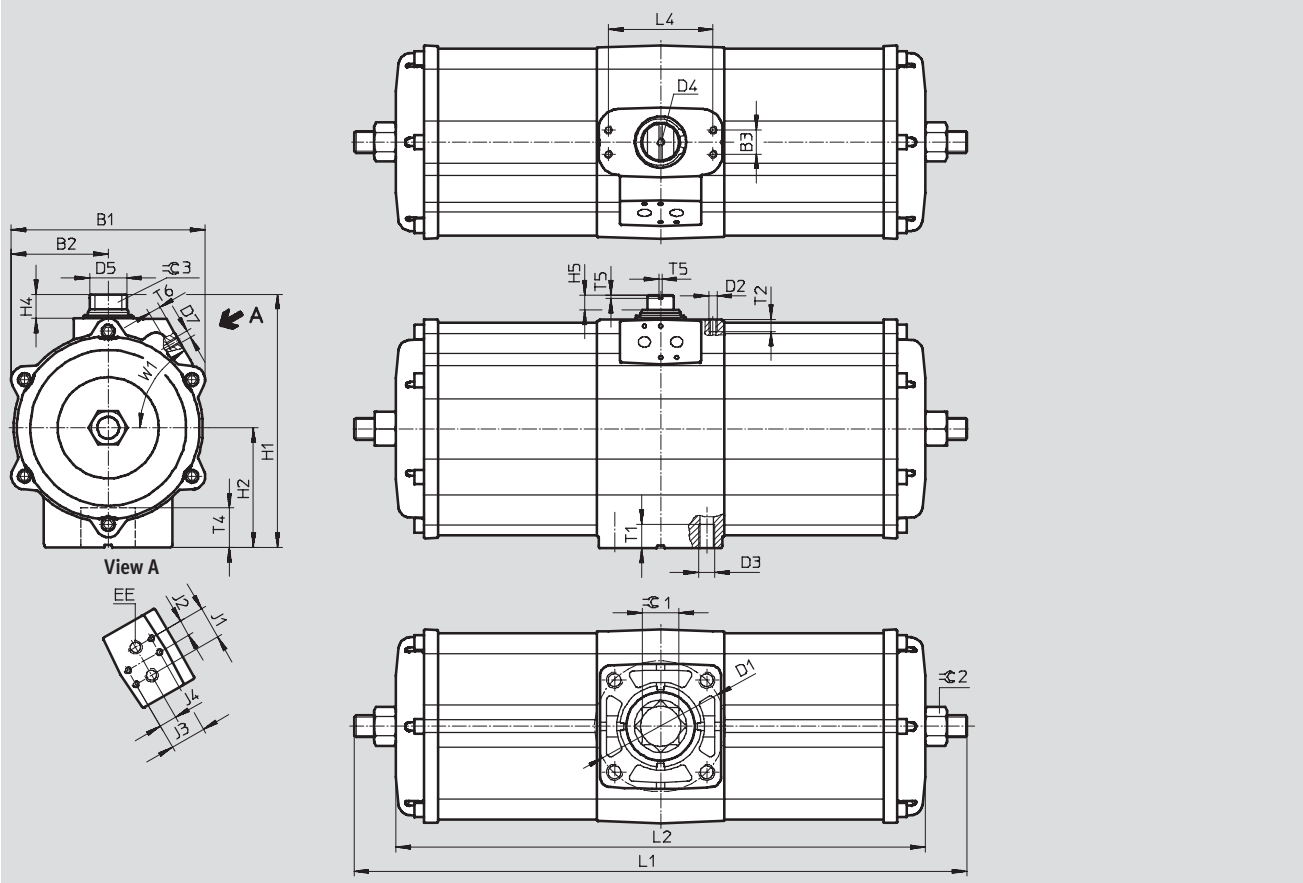
Technical data

**FESTO**

## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 3840



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D7 | EE              | H1  | H2    | H4 | H5   | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|----|-----------------|-----|-------|----|------|----|
| DAPS-3840-... | 241 | 120 | 30 | 165     | M5 | M20 | M6 | 46      | M6 | G $\frac{3}{8}$ | 315 | 148.5 | 30 | 18.5 | 40 |

| Size          | J2 | J3 | J4   | L1  | L2  | L4  | T1 | T2 | T4 | T5 | T6 | W1  | ⌀ 1 | ⌀ 2 | ⌀ 3 |
|---------------|----|----|------|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|
| DAPS-3840-... | 20 | 45 | 22.5 | 718 | 614 | 130 | 30 | 10 | 49 | 4  | 10 | 60° | 46  | 41  | 32  |

# Quarter turn actuators DAPS, double-acting

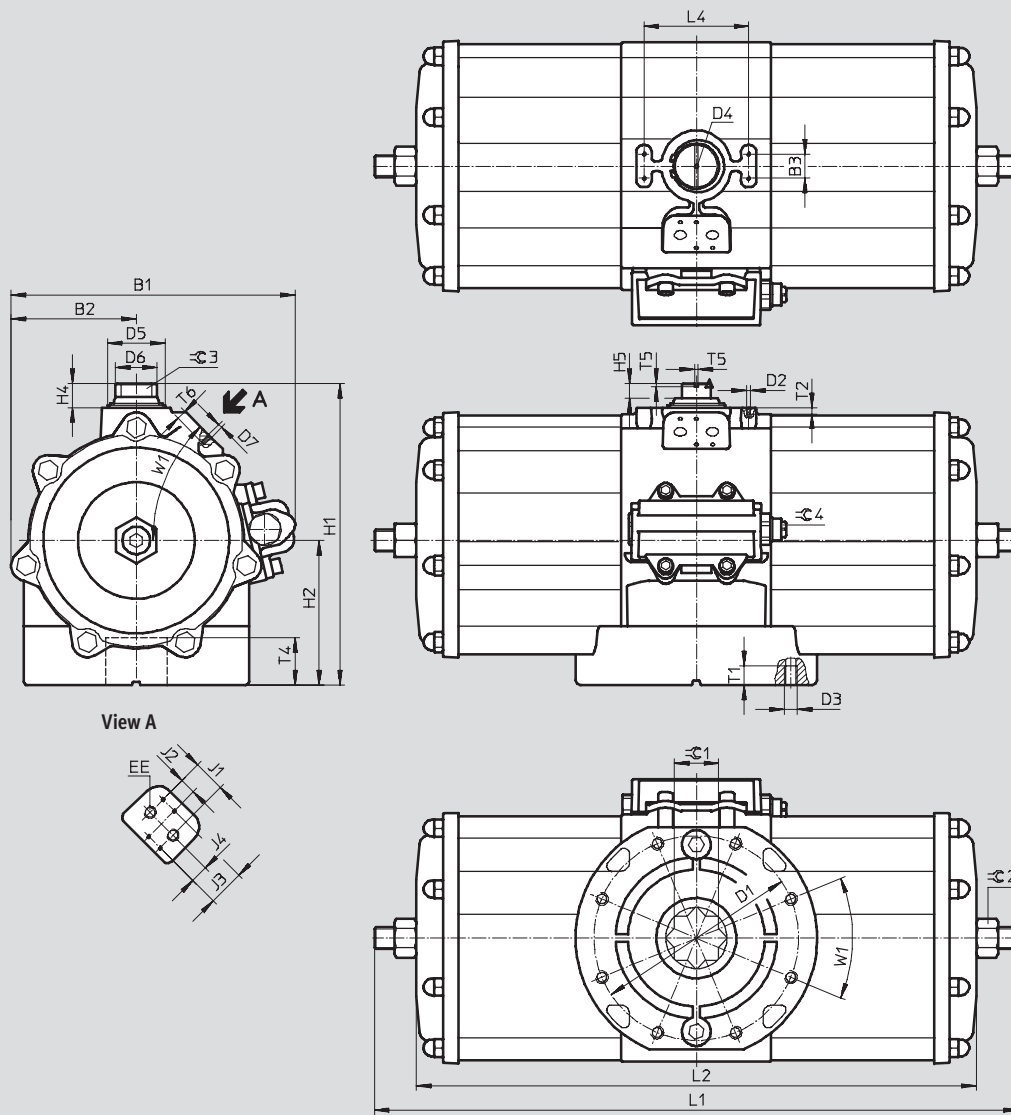
Technical data

FESTO

## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 5760



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D6 | D7 | EE              | H1  | H2  | H4 | H5 | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|----|----|-----------------|-----|-----|----|----|----|
| DAPS-5760-... | 353 | 155 | 30 | 254     | M5 | M16 | M6 | 72      | 52 | M5 | G $\frac{3}{8}$ | 374 | 179 | 30 | 18 | 40 |

| Size          | J2 | J3 | J4   | L1  | L2  | L4  | T1 | T2 | T4 | T5 | T6 | W1  | ≈ 1 | ≈ 2 | ≈ 3 | ≈ 4 |
|---------------|----|----|------|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|-----|
| DAPS-5760-... | 20 | 45 | 22.5 | 885 | 744 | 130 | 24 | 8  | 58 | 4  | 7  | 45° | 55  | 50  | 36  | 15  |

# Quarter turn actuators DAPS, double-acting

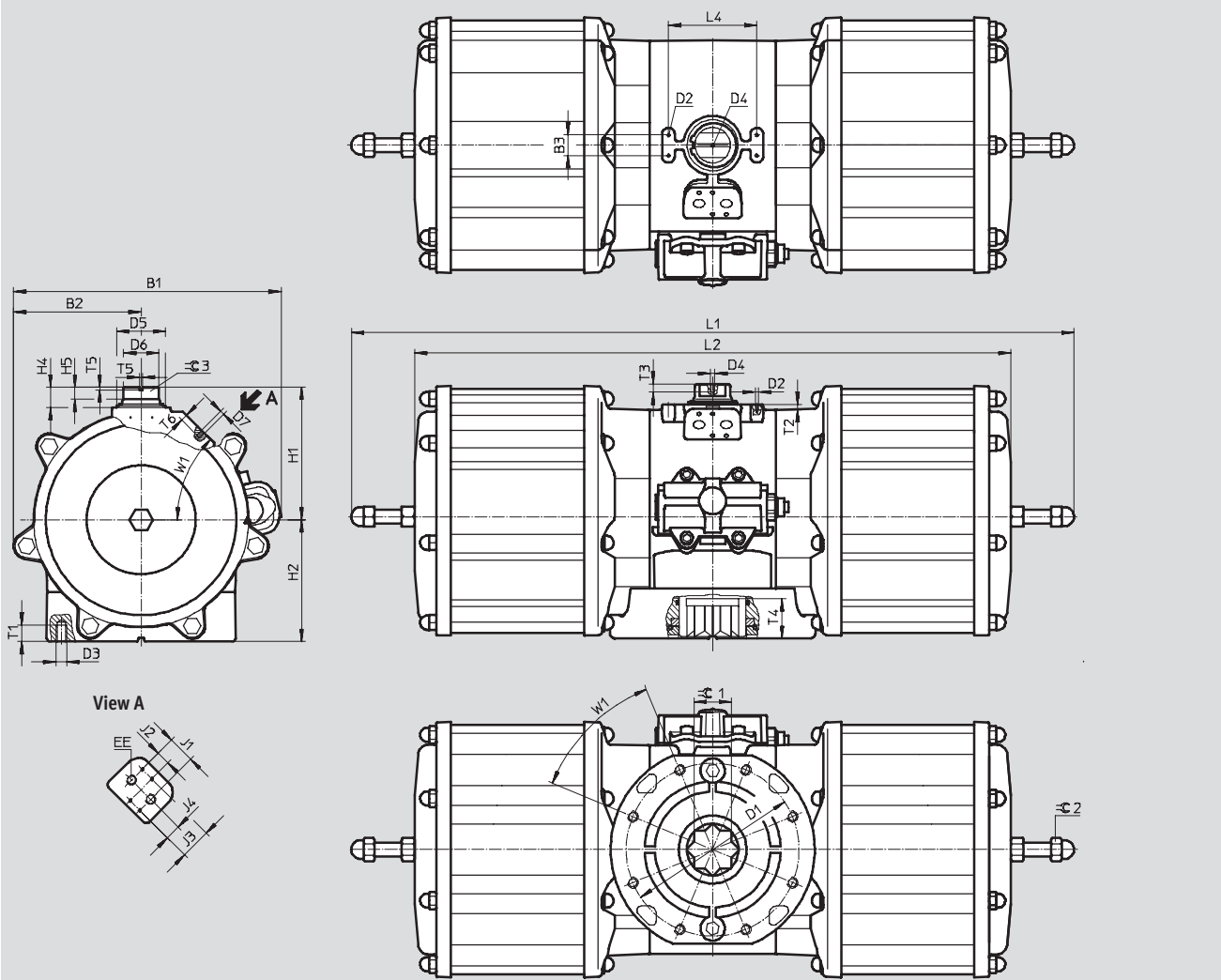
Technical data

**FESTO**

## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 8000



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D6<br>Ø | D7 | EE   | H1  | H2  | H4 | H5 | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|---------|----|------|-----|-----|----|----|----|
| DAPS-8000-... | 394 | 188 | 30 | 254     | M5 | M16 | M6 | 72      | 52      | M6 | G3/8 | 195 | 179 | 30 | 18 | 40 |

| Size          | J2 | J3 | J4   | L1    | L2  | L4  | T1 | T2 | T3 | T4 | T5 | T6 | W1  | ≈C 1 | ≈C 2 | ≈C 3 |
|---------------|----|----|------|-------|-----|-----|----|----|----|----|----|----|-----|------|------|------|
| DAPS-8000-... | 20 | 45 | 22.5 | 1,044 | 877 | 130 | 24 | 8  | 12 | 58 | 4  | 10 | 45° | 55   | 30   | 36   |

# Quarter turn actuators DAPS, double-acting

Technical data

**FESTO**

| Ordering data – Drives |                       |           |                       |
|------------------------|-----------------------|-----------|-----------------------|
| Part No.               | Type                  | Part No.  | Type                  |
| Size 0008              |                       | Size 0720 |                       |
| 549666                 | DAPS-0008-090-R-F03   | 549667    | DAPS-0720-090-R-F1012 |
| Size 0015              |                       | Size 0960 |                       |
| 533417                 | DAPS-0015-090-R-F03   | 533425    | DAPS-0960-090-R-F1012 |
| 533475                 | DAPS-0015-090-R-F04   | 533478    | DAPS-0960-090-R-F14   |
| Size 0030              |                       | Size 1440 |                       |
| 533418                 | DAPS-0030-090-R-F0305 | 549668    | DAPS-1440-090-R-F12   |
| 533476                 | DAPS-0030-090-R-F04   | 549669    | DAPS-1440-090-R-F14   |
| Size 0060              |                       | Size 1920 |                       |
| 533419                 | DAPS-0060-090-R-F04   | 533426    | DAPS-1920-090-R-F14   |
| 533477                 | DAPS-0060-090-R-F0507 | 533479    | DAPS-1920-090-R-F1216 |
| Size 0106              |                       | Size 2880 |                       |
| 533420                 | DAPS-0106-090-R-F0507 | 549670    | DAPS-2880-090-R-F16   |
| Size 0180              |                       | Size 3840 |                       |
| 533421                 | DAPS-0180-090-R-F0710 | 549671    | DAPS-3840-090-R-F16   |
| Size 0240              |                       | Size 5760 |                       |
| 533422                 | DAPS-0240-090-R-F0710 | 549672    | DAPS-5760-090-F25     |
| Size 0360              |                       | Size 8000 |                       |
| 533423                 | DAPS-0360-090-R-F0710 | 560855    | DAPS-8000-090-R-F25   |
| Size 0480              |                       |           |                       |
| 533424                 | DAPS-0480-090-R-F1012 |           |                       |

| Ordering data – Wearing parts kits |                 |           |                  |
|------------------------------------|-----------------|-----------|------------------|
| Part No.                           | Type            | Part No.  | Type             |
| Size 0015                          |                 | Size 0240 |                  |
| 397470                             | DAPS-0015       | 397475    | DAPS-0240/S0 120 |
| Size 0030                          |                 | Size 0360 |                  |
| 397471                             | DAPS-0030/S0015 | 397476    | DAPS-0360/S0 180 |
| Size 0060                          |                 | Size 0480 |                  |
| 397472                             | DAPS-0060/S0030 | 397477    | DAPS-0480/S0240  |
| Size 0106                          |                 | Size 0960 |                  |
| 397473                             | DAPS-0106/S0053 | 397478    | DAPS-0960/S0480  |
| Size 0180                          |                 | Size 1920 |                  |
| 397474                             | DAPS-0180/S0090 | 397479    | DAPS-1920/S0 960 |

# Quarter turn actuators DAPS, single-acting

Type codes

**FESTO**

|                                |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
|--------------------------------|---------------------------------|------|---|------|---|-----|---|---|---|---|---|-----|----|
|                                |                                 | DAPS | – | 0240 | – | 090 | – | R | S | 4 | – | F10 | 12 |
| <b>Type</b>                    |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| DAPS                           | Quarter turn actuator           |      |   |      |   |     |   |   |   |   |   |     |    |
| <b>Size</b>                    |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| 0015                           | Nominal torque 15 Nm            |      |   |      |   |     |   |   |   |   |   |     |    |
| 0030                           | Nominal torque 30 Nm            |      |   |      |   |     |   |   |   |   |   |     |    |
| 0053                           | Nominal torque 53 Nm            |      |   |      |   |     |   |   |   |   |   |     |    |
| 0090                           | Nominal torque 90 Nm            |      |   |      |   |     |   |   |   |   |   |     |    |
| 0120                           | Nominal torque 120 Nm           |      |   |      |   |     |   |   |   |   |   |     |    |
| 0180                           | Nominal torque 180 Nm           |      |   |      |   |     |   |   |   |   |   |     |    |
| 0240                           | Nominal torque 240 Nm           |      |   |      |   |     |   |   |   |   |   |     |    |
| 0360                           | Nominal torque 360 Nm           |      |   |      |   |     |   |   |   |   |   |     |    |
| 0480                           | Nominal torque 480 Nm           |      |   |      |   |     |   |   |   |   |   |     |    |
| 0720                           | Nominal torque 720 Nm           |      |   |      |   |     |   |   |   |   |   |     |    |
| 0960                           | Nominal torque 960 Nm           |      |   |      |   |     |   |   |   |   |   |     |    |
| 1440                           | Nominal torque 1440 Nm          |      |   |      |   |     |   |   |   |   |   |     |    |
| 1920                           | Nominal torque 1920 Nm          |      |   |      |   |     |   |   |   |   |   |     |    |
| 2880                           | Nominal torque 2880 Nm          |      |   |      |   |     |   |   |   |   |   |     |    |
| 3840                           | Nominal torque 3840 Nm          |      |   |      |   |     |   |   |   |   |   |     |    |
| 4000                           | Nominal torque 4000 Nm          |      |   |      |   |     |   |   |   |   |   |     |    |
| <b>Swivel angle</b>            |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| 090                            | 90°                             |      |   |      |   |     |   |   |   |   |   |     |    |
| <b>Closing direction</b>       |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| R                              | Closes to right                 |      |   |      |   |     |   |   |   |   |   |     |    |
| <b>Mode of operation</b>       |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| S                              | Single-acting                   |      |   |      |   |     |   |   |   |   |   |     |    |
| <b>Spring strength</b>         |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| 1                              | For connection pressure 2.8 bar |      |   |      |   |     |   |   |   |   |   |     |    |
| 2                              | For connection pressure 3.5 bar |      |   |      |   |     |   |   |   |   |   |     |    |
| 3                              | For connection pressure 4.2 bar |      |   |      |   |     |   |   |   |   |   |     |    |
| 4                              | For connection pressure 5.6 bar |      |   |      |   |     |   |   |   |   |   |     |    |
| <b>1st flange hole pattern</b> |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| F03                            | Flange hole pattern F03         |      |   |      |   |     |   |   |   |   |   |     |    |
| F04                            | Flange hole pattern F04         |      |   |      |   |     |   |   |   |   |   |     |    |
| F05                            | Flange hole pattern F05         |      |   |      |   |     |   |   |   |   |   |     |    |
| F07                            | Flange hole pattern F07         |      |   |      |   |     |   |   |   |   |   |     |    |
| F10                            | Flange hole pattern F10         |      |   |      |   |     |   |   |   |   |   |     |    |
| F12                            | Flange hole pattern F12         |      |   |      |   |     |   |   |   |   |   |     |    |
| F14                            | Flange hole pattern F14         |      |   |      |   |     |   |   |   |   |   |     |    |
| F16                            | Flange hole pattern F16         |      |   |      |   |     |   |   |   |   |   |     |    |
| F25                            | Flange hole pattern F25         |      |   |      |   |     |   |   |   |   |   |     |    |
| <b>2nd flange hole pattern</b> |                                 |      |   |      |   |     |   |   |   |   |   |     |    |
| 05                             | Flange hole pattern F05         |      |   |      |   |     |   |   |   |   |   |     |    |
| 07                             | Flange hole pattern F07         |      |   |      |   |     |   |   |   |   |   |     |    |
| 10                             | Flange hole pattern F10         |      |   |      |   |     |   |   |   |   |   |     |    |
| 12                             | Flange hole pattern F12         |      |   |      |   |     |   |   |   |   |   |     |    |
| 16                             | Flange hole pattern F16         |      |   |      |   |     |   |   |   |   |   |     |    |

# Quarter turn actuators DAPS, single-acting

Technical data

FESTO

## Function



Swivel angle  
0 ... 90°

Wearing parts kits  
→ 35



-  - Size  
0015 ... 4000

-  - Torque  
15 ... 4000 Nm

| General technical data              |                                      |                 |                 |                 |
|-------------------------------------|--------------------------------------|-----------------|-----------------|-----------------|
| Size                                | 0015 ... 0180                        | 0240 ... 0960   | 1440 ... 1920   | 2880, 4000      |
| Pneumatic connection                | G $\frac{1}{8}$                      | G $\frac{1}{4}$ | G $\frac{3}{8}$ | G $\frac{3}{8}$ |
| Design                              | Scotch yoke mechanism, single-acting |                 |                 |                 |
| Mounting position                   | Any                                  |                 |                 |                 |
| Swivel angle                        | 90                                   |                 |                 |                 |
| End-position adjusting range at 0°  | –                                    | –               | –               | ±5              |
| End-position adjusting range at 90° | ±2                                   | ±2              | ±2              | ±5              |
| Closing direction                   | Closes to right                      |                 |                 |                 |

| Operating and environmental conditions                                                           |                                                  |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Operating pressure <sup>1)</sup>                                                                 | [bar] 1 ... 8,4                                  |
| Nominal operating pressure                                                                       | [bar] 5,6                                        |
| Operating medium                                                                                 | Dried compressed air, lubricated or unlubricated |
| Ambient temperature                                                                              | [°C] –20 ... +80                                 |
| Corrosion resistance class CRC <sup>2)</sup>                                                     | 3                                                |
| CE marking (see declaration of conformity)<br>→ <a href="http://www.festo.com">www.festo.com</a> | Explosion protection directive 94/9/EC - ATEX    |
| ATEX specification                                                                               | II 2 GD c X                                      |
| ATEX ambient temperature                                                                         | –20°C ≤ Ta ≤ +60°C                               |

1) Minimum operating pressures vary for single-acting quarter turn actuators depending upon spring quantity

2) Corrosion resistance class 3 to Festo standard 940 070  
Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

## Quarter turn actuators DAPS, single-acting

Technical data

**FESTO**

| Air consumption [l/cycle] at 6 bar |       | Weights [kg] |      |
|------------------------------------|-------|--------------|------|
| Size                               |       | Size         |      |
| DAPS-0015                          | 0.72  | DAPS-0015    | 1.3  |
| DAPS-0030                          | 1.44  | DAPS-0030    | 2.2  |
| DAPS-0053                          | 2.16  | DAPS-0053    | 3.2  |
| DAPS-0090                          | 4.32  | DAPS-0090    | 5.4  |
| DAPS-0120                          | 6     | DAPS-0120    | 6.9  |
| DAPS-0180                          | 8.64  | DAPS-0180    | 8.7  |
| DAPS-0240                          | 12    | DAPS-0240    | 11   |
| DAPS-0360                          | 14    | DAPS-0360    | 16.4 |
| DAPS-0480                          | 24    | DAPS-0480    | 23.3 |
| DAPS-0720                          | 29.4  | DAPS-0720    | 32   |
| DAPS-0960                          | 48    | DAPS-0960    | 41.4 |
| DAPS-1440                          | 77    | DAPS-1440    | 60   |
| DAPS-1920                          | 87.5  | DAPS-1920    | 67   |
| DAPS-2880                          | 147   | DAPS-2880    | 112  |
| DAPS-4000                          | 174.6 | DAPS-4000    | 130  |

| Materials       |                         |
|-----------------|-------------------------|
| Housing         | Wrought aluminium alloy |
| End cap         | Wrought aluminium alloy |
| Shaft           | Stainless steel         |
| External screws | Stainless steel         |
| Seals           | Nitrile rubber          |

# Quarter turn actuators DAPS, single-acting

Technical data

**FESTO**

| Actual torque [Nm] as a function of operating pressure [bar], spring strength and swivel angle [°] |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
|----------------------------------------------------------------------------------------------------|--------------------|-------|-------|--------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|-------|-------|
| Spring strength                                                                                    | Spring torque [Nm] |       |       | Operating pressure [bar] |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
|                                                                                                    |                    |       |       | 2.5                      |      |      | 2.8  |      |      | 3     |       |       | 3.5   |       |      | 4.2  |       |       |
|                                                                                                    | 0°                 | 50°   | 90°   | 0°                       | 50°  | 90°  | 0°   | 50°  | 90°  | 0°    | 50°   | 90°   | 0°    | 50°   | 90°  | 0°   | 50°   | 90°   |
| DAPS-0015                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 5.0                | 3.7   | 7.5   | 6.2                      | 2.9  | 3.7  | 7.5  | 3.7  | 5    | 8.4   | 4.2   | 5.9   | 10.6  | 5.6   | 8.1  | 13.8 | 7.4   | 11.3  |
| 2                                                                                                  | 6.3                | 4.7   | 9.4   | –                        | –    | –    | –    | –    | –    | 7.2   | 3.3   | 4     | 9.4   | 4.7   | 6.3  | 12.6 | 6.5   | 9.4   |
| 3                                                                                                  | 7.5                | 5.6   | 11.3  | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 8.2   | 3.7   | 4.4  | 11.3 | 5.6   | 7.5   |
| 4                                                                                                  | 10.0               | 7.5   | 15    | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |
| DAPS-0030                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 10.0               | 7.5   | 15    | 12.3                     | 5.9  | 7.3  | 15   | 7.5  | 10   | 16.8  | 8.6   | 11.8  | 21.3  | 11.3  | 16.3 | 27.5 | 15    | 22.5  |
| 2                                                                                                  | 12.5               | 9.4   | 18.8  | –                        | –    | –    | –    | –    | –    | 14.3  | 6.7   | 8     | 18.8  | 9.4   | 12.5 | 25.1 | 13.2  | 18.8  |
| 3                                                                                                  | 15.0               | 11.3  | 22.5  | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 16.3  | 7.5   | 8.8  | 22.5 | 11.3  | 15    |
| 4                                                                                                  | 20.0               | 15    | 30    | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |
| DAPS-0053                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 17.5               | 13    | 26.5  | 21.8                     | 10.2 | 12.8 | 26.5 | 13   | 17.5 | 29.6  | 14.9  | 20.6  | 37.5  | 19.5  | 28.5 | 48.5 | 26    | 39.5  |
| 2                                                                                                  | 22                 | 16.5  | 33    | –                        | –    | –    | –    | –    | –    | 25.1  | 11.8  | 14.1  | 33    | 16.5  | 22   | 44   | 23.1  | 33    |
| 3                                                                                                  | 26                 | 19.5  | 40    | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 29    | 13    | 15   | 40   | 19.5  | 26    |
| 4                                                                                                  | 35                 | 26    | 53    | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |
| DAPS-0090                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 30                 | 22.5  | 45    | 37                       | 17.7 | 22   | 45   | 22.5 | 30   | 50.4  | 25.7  | 35.4  | 63.8  | 33.8  | 48.8 | 82.5 | 45    | 67.5  |
| 2                                                                                                  | 37.5               | 28.1  | 56.3  | –                        | –    | –    | –    | –    | –    | 42.9  | 20.1  | 24.1  | 56.3  | 28.1  | 37.5 | 75.1 | 39.4  | 56.3  |
| 3                                                                                                  | 45                 | 33.9  | 67.5  | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 48.8  | 22.6  | 26.3 | 67.5 | 33.9  | 45    |
| 4                                                                                                  | 60                 | 45    | 90    | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |
| DAPS-0120                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 40                 | 30    | 60    | 49.3                     | 23.6 | 29.3 | 60   | 30   | 40   | 67.1  | 34.3  | 47.1  | 85    | 45    | 65   | 110  | 60    | 90    |
| 2                                                                                                  | 50                 | 37.5  | 75    | –                        | –    | –    | –    | –    | –    | 57.1  | 26.8  | 32.1  | 75    | 37.5  | 50   | 100  | 52.5  | 75    |
| 3                                                                                                  | 60                 | 45    | 90    | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 65    | 30    | 35   | 90   | 45    | 60    |
| 4                                                                                                  | 80                 | 60    | 120   | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |
| DAPS-0180                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 60                 | 45    | 90    | 73.9                     | 35.4 | 43.9 | 90   | 45   | 60   | 100.7 | 51.4  | 70.7  | 127.5 | 67.5  | 97.5 | 165  | 90    | 135   |
| 2                                                                                                  | 75                 | 56.3  | 112.5 | –                        | –    | –    | –    | –    | –    | 85.7  | 40.2  | 48.2  | 112.5 | 56.3  | 75   | 150  | 78.8  | 112.5 |
| 3                                                                                                  | 90                 | 67.5  | 135   | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 97.5  | 45    | 52.5 | 135  | 67.5  | 90    |
| 4                                                                                                  | 120                | 90    | 180   | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |
| DAPS-0240                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 80                 | 60    | 120   | 98.6                     | 47.1 | 58.6 | 120  | 60   | 80   | 134.3 | 68.6  | 94.3  | 170   | 90    | 130  | 220  | 120   | 180   |
| 2                                                                                                  | 100                | 75    | 150   | –                        | –    | –    | –    | –    | –    | 114.3 | 53.6  | 64.3  | 150   | 75    | 100  | 200  | 105   | 150   |
| 3                                                                                                  | 120                | 90    | 180   | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 130   | 60    | 70   | 180  | 90    | 120   |
| 4                                                                                                  | 160                | 120   | 240   | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |
| DAPS-0360                                                                                          |                    |       |       |                          |      |      |      |      |      |       |       |       |       |       |      |      |       |       |
| 1                                                                                                  | 120                | 90    | 180   | 147.9                    | 70.7 | 87.9 | 180  | 90   | 120  | 201.4 | 102.9 | 141.1 | 255   | 135   | 195  | 330  | 180   | 270   |
| 2                                                                                                  | 150                | 112.5 | 225   | –                        | –    | –    | –    | –    | –    | 171.4 | 80.4  | 96.4  | 225   | 112.5 | 150  | 300  | 157.5 | 225   |
| 3                                                                                                  | 180                | 135   | 270   | –                        | –    | –    | –    | –    | –    | –     | –     | –     | 195   | 90    | 105  | 270  | 135   | 180   |
| 4                                                                                                  | 240                | 180   | 360   | –                        | –    | –    | –    | –    | –    | –     | –     | –     | –     | –     | –    | –    | –     | –     |

# Quarter turn actuators DAPS, single-acting

Technical data

**FESTO**

| Actual torque [Nm] as a function of operating pressure [bar], spring strength and swivel angle [°] |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------------------------------------------------------------------------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Spring strength                                                                                    | Operating pressure [bar] |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                                                                                                    | 5                        |       |       | 5,6   |       |       | 6     |       |       | 7     |       |       | 8     |       |       |
|                                                                                                    | 0°                       | 50°   | 90°   | 0°    | 50°   | 90°   | 0°    | 50°   | 90°   | 0°    | 50°   | 90°   | 0°    | 50°   | 90°   |
| DAPS-0015                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 16.1                     | 8.7   | 13    | 18.8  | 10.3  | 15.7  | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 14.9                     | 7.7   | 11.1  | 17.6  | 9.3   | 13.8  | 19.4  | 10.4  | 15.6  | 23.8  | 13.1  | 20    | 28.3  | 15.7  | 24.5  |
| 4                                                                                                  | 12.3                     | 5.9   | 7.3   | 15    | 7.5   | 10    | 16.8  | 8.6   | 11.8  | 21.3  | 11.3  | 16.3  | 25.7  | 13.9  | 20.7  |
| DAPS-0030                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 32.2                     | 17.5  | 25.9  | 37.6  | 20.7  | 31.3  | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 29.6                     | 15.6  | 22.1  | 35    | 18.8  | 27.5  | 38.6  | 21    | 31.1  | 47.5  | 26.4  | 40    | 56.4  | 31.7  | 48.9  |
| 4                                                                                                  | 24.6                     | 11.8  | 14.6  | 30    | 15    | 20    | 33.6  | 17.1  | 23.6  | 42.5  | 22.5  | 32.5  | 51.4  | 27.9  | 41.4  |
| DAPS-0053                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 56.6                     | 30.6  | 45.6  | 66    | 36.3  | 55    | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 52.6                     | 26.9  | 38.6  | 62    | 32.5  | 48    | 68.3  | 36.2  | 54.3  | 84    | 45.5  | 70    | 99.7  | 54.8  | 85.7  |
| 4                                                                                                  | 43.6                     | 20.4  | 25.6  | 53    | 26    | 35    | 59.3  | 29.7  | 41.3  | 75    | 39    | 57    | 90    | 48.3  | 72.7  |
| DAPS-0090                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 96.5                     | 52.2  | 77.7  | 112.6 | 61.9  | 93.8  | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 88.9                     | 46.8  | 66.4  | 105   | 56.5  | 82.5  | 115.7 | 63    | 93.2  | 142.5 | 79.1  | 120   | 169.3 | 95.2  | 146.8 |
| 4                                                                                                  | 73.9                     | 35.4  | 43.9  | 90    | 45    | 60    | 100.7 | 51.4  | 70.7  | 127.5 | 67.5  | 97.5  | 154.3 | 83.6  | 124.3 |
| DAPS-0120                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 128.6                    | 69.6  | 130.6 | 150   | 82.5  | 125   | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 118.6                    | 62.1  | 88.6  | 140   | 75    | 110   | 154.3 | 83.6  | 124.3 | 190   | 105   | 160   | 225.7 | 126.4 | 195.7 |
| 4                                                                                                  | 86.7                     | 40    | 46.7  | 106.7 | 52    | 66.7  | 120   | 60    | 80    | 153.3 | 80    | 113.3 | 186.7 | 100   | 146.7 |
| DAPS-0180                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 192.9                    | 104.5 | 155.4 | 225   | 123.8 | 187.5 | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 177.9                    | 93.2  | 132.9 | 210   | 112.5 | 165   | 231.4 | 125.4 | 186.4 | 285   | 157.5 | 240   | 338.6 | 189.6 | 293.6 |
| 4                                                                                                  | 147.9                    | 70.7  | 87.9  | 180   | 90    | 120   | 201.4 | 102.9 | 141.4 | 255   | 135   | 195   | 308.6 | 167.6 | 284.6 |
| DAPS-0240                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 257.1                    | 139.3 | 207.1 | 300   | 165   | 250   | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 237.1                    | 124.3 | 177.1 | 280   | 150   | 220   | 308.6 | 167.1 | 248.6 | 380   | 210   | 320   | 451.4 | 252.9 | 391.4 |
| 4                                                                                                  | 197.1                    | 94.3  | 117.1 | 240   | 120   | 160   | 268.6 | 137.1 | 188.6 | 340   | 180   | 260   | 411.4 | 222.9 | 331.4 |
| DAPS-0360                                                                                          |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | –                        |       |       | –     |       |       | –     |       |       | –     |       |       | –     |       |       |
| 2                                                                                                  | 385.7                    | 208.9 | 310.7 | 450   | 247.5 | 375   | –     |       |       | –     |       |       | –     |       |       |
| 3                                                                                                  | 355.7                    | 186.4 | 265.7 | 420   | 225   | 330   | 462.9 | 250.7 | 372.9 | 570   | 315   | 480   | 677.1 | 379.3 | 587.1 |
| 4                                                                                                  | 295.7                    | 141.4 | 175.7 | 360   | 180   | 240   | 402.9 | 205.7 | 282.9 | 510   | 270   | 390   | 617.1 | 334.3 | 497.1 |

Nominal torque for size at 5.6 bar and swivel angle 0°

# Quarter turn actuators DAPS, single-acting

FESTO

Technical data

| Actual torque [Nm] as a function of operating pressure [bar], spring strength and swivel angle [°] |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------------------------------------------------------------------------------|--------------------|-------|-------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Spring strength                                                                                    | Spring torque [Nm] |       |       | Operating pressure [bar] |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                                                                                                    |                    |       |       | 2.5                      |       |       | 2.8   |       |       | 3     |       |       | 3.5   |       |       | 4.2   |       |       |
|                                                                                                    | 0°                 | 50°   | 90°   | 0°                       | 50°   | 90°   | 0°    | 50°   | 90°   | 0°    | 50°   | 90°   | 0°    | 50°   | 90°   | 0°    | 50°   | 90°   |
| DAPS-0480                                                                                          |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | 160                | 120   | 240   | 197.1                    | 94.3  | 117.1 | 240   | 120   | 160   | 268.6 | 137.1 | 188.6 | 340   | 180   | 260   | 440   | 240   | 360   |
| 2                                                                                                  | 200                | 150   | 300   | –                        | –     | –     | –     | –     | –     | 228.6 | 107.1 | 128.6 | 300   | 150   | 200   | 400   | 210   | 300   |
| 3                                                                                                  | 240                | 180   | 360   | –                        | –     | –     | –     | –     | –     | –     | –     | –     | 260   | 120   | 140   | 360   | 180   | 240   |
| 4                                                                                                  | 320                | 240   | 480   | –                        | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     |
| DAPS-0720                                                                                          |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | 240                | 180   | 360   | 295.7                    | 141.4 | 175.7 | 360   | 180   | 240   | 402.9 | 205.7 | 282.9 | 510   | 270   | 390   | 660   | 360   | 540   |
| 2                                                                                                  | 300                | 225   | 450   | –                        | –     | –     | –     | –     | –     | 342.9 | 160.7 | 192.9 | 450   | 225   | 300   | 600   | 315   | 450   |
| 3                                                                                                  | 360                | 270   | 540   | –                        | –     | –     | –     | –     | –     | –     | –     | –     | 390   | 180   | 210   | 540   | 270   | 360   |
| 4                                                                                                  | 480                | 360   | 720   | –                        | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     |
| DAPS-0960                                                                                          |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | 320                | 240   | 480   | 394.3                    | 188.6 | 234.3 | 480   | 240   | 320   | 537.1 | 274.3 | 377.1 | 680   | 360   | 520   | 880   | 480   | 720   |
| 2                                                                                                  | 400                | 300   | 600   | –                        | –     | –     | –     | –     | –     | 457.1 | 214.3 | 257.1 | 600   | 300   | 400   | 800   | 420   | 600   |
| 3                                                                                                  | 480                | 360   | 720   | –                        | –     | –     | –     | –     | –     | –     | –     | –     | 520   | 240   | 280   | 720   | 360   | 480   |
| 4                                                                                                  | 640                | 480   | 960   | –                        | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     |
| DAPS-1440                                                                                          |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | 480                | 360   | 720   | 591                      | 282   | 351   | 720   | 360   | 480   | 805   | 411   | 565   | 1 020 | 540   | 780   | 1 320 | 720   | 1 080 |
| 2                                                                                                  | 600                | 450   | 900   | –                        | –     | –     | –     | –     | –     | 685   | 321   | 385   | 900   | 450   | 600   | 1 200 | 630   | 900   |
| 3                                                                                                  | 720                | 540   | 1 080 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | 780   | 360   | 420   | 1 080 | 540   | 720   |
| 4                                                                                                  | 960                | 720   | 1 440 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     |
| DAPS-1920                                                                                          |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | 640                | 480   | 960   | 778                      | 377   | 468   | 960   | 480   | 640   | 1 074 | 548   | 754   | 1 360 | 720   | 1 040 | 1 760 | 960   | 1 440 |
| 2                                                                                                  | 800                | 600   | 1 200 | –                        | –     | –     | –     | –     | –     | 914   | 428   | 514   | 1 200 | 600   | 800   | 1 600 | 840   | 1 200 |
| 3                                                                                                  | 960                | 720   | 1 440 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | 1 040 | 480   | 560   | 1 440 | 720   | 960   |
| 4                                                                                                  | 1 280              | 960   | 1 920 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     |
| DAPS-2880                                                                                          |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | 960                | 720   | 1 440 | 1 183                    | 566   | 703   | 1 440 | 720   | 960   | 1 611 | 823   | 1 131 | 2 040 | 1 080 | 1 560 | 2 640 | 1 440 | 2 160 |
| 2                                                                                                  | 1 200              | 900   | 1 800 | –                        | –     | –     | –     | –     | –     | 1 370 | 643   | 771   | 1 800 | 900   | 1 200 | 2 400 | 1 260 | 1 800 |
| 3                                                                                                  | 1 440              | 1 080 | 2 160 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | 1 560 | 720   | 840   | 2 160 | 1 080 | 1 440 |
| 4                                                                                                  | 1 920              | 1 440 | 2 880 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     |
| DAPS-4000                                                                                          |                    |       |       |                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1                                                                                                  | 1 333              | 1 000 | 2 000 | 1 524                    | 714   | 857   | 2 000 | 1 000 | 1 333 | 2 238 | 1 143 | 1 571 | 2 833 | 1 500 | 2 166 | 3 666 | 2 000 | 2 999 |
| 2                                                                                                  | 1 666              | 1 250 | 2 500 | –                        | –     | –     | –     | –     | –     | 1 905 | 893   | 1 071 | 2 500 | 1 250 | 1 666 | 3 333 | 1 750 | 2 499 |
| 3                                                                                                  | 1 999              | 1 500 | 3 000 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | 2 167 | 1 000 | 1 166 | 3 000 | 1 500 | 1 999 |
| 4                                                                                                  | 2 666              | 2 000 | 4 000 | –                        | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     | –     |

# Quarter turn actuators DAPS, single-acting

Technical data

**FESTO**

| Actual torque [Nm] as a function of operating pressure [bar], spring strength and swivel angle [°] |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
|----------------------------------------------------------------------------------------------------|--------------------------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|---------|---------|---------|
| Spring strength                                                                                    | Operating pressure [bar] |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
|                                                                                                    | 5                        |       |       | 5.6   |       |       | 6       |       |       | 7     |       |       | 8       |         |         |
|                                                                                                    | 0°                       | 50°   | 90°   | 0°    | 50°   | 90°   | 0°      | 50°   | 90°   | 0°    | 50°   | 90°   | 0°      | 50°     | 90°     |
| <b>DAPS-0480</b>                                                                                   |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
| 1                                                                                                  | –                        |       |       | –     |       |       | –       |       |       | –     |       |       | –       |         |         |
| 2                                                                                                  | 514.3                    | 278.6 | 414.3 | 600   | 330   | 500   | –       |       |       | –     |       |       | –       |         |         |
| 3                                                                                                  | 474.3                    | 248.6 | 354.3 | 560   | 300   | 440   | 617.1   | 334.3 | 497.1 | 760   | 420   | 640   | 902.9   | 505.7   | 782.9   |
| 4                                                                                                  | 394.3                    | 118.6 | 234.3 | 480   | 240   | 320   | 537.1   | 274.3 | 377.1 | 680   | 360   | 520   | 822.9   | 445.7   | 662.9   |
| <b>DAPS-0720</b>                                                                                   |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
| 1                                                                                                  | –                        |       |       | –     |       |       | –       |       |       | –     |       |       | –       |         |         |
| 2                                                                                                  | 771.4                    | 417.9 | 621.4 | 900   | 495   | 750   | –       |       |       | –     |       |       | –       |         |         |
| 3                                                                                                  | 711.4                    | 372.9 | 531.4 | 840   | 450   | 660   | 925.7   | 501.4 | 745.7 | 1 140 | 630   | 960   | 1,354   | 758.6   | 1,174   |
| 4                                                                                                  | 591.4                    | 282.9 | 351.4 | 720   | 360   | 480   | 805.7   | 411.4 | 565.7 | 1 020 | 540   | 780   | 1,234   | 668.6   | 994.3   |
| <b>DAPS-0960</b>                                                                                   |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
| 1                                                                                                  | –                        |       |       | –     |       |       | –       |       |       | –     |       |       | –       |         |         |
| 2                                                                                                  | 1,028.6                  | 557.1 | 828.6 | 1,200 | 660   | 1,000 | –       |       |       | –     |       |       | –       |         |         |
| 3                                                                                                  | 948.6                    | 497.1 | 708.6 | 1,120 | 600   | 880   | 1,234.3 | 668.6 | 994.3 | 1,520 | 840   | 1,280 | 1,805.7 | 1,011.4 | 1,565.7 |
| 4                                                                                                  | 788.6                    | 377.1 | 468.6 | 960   | 480   | 640   | 1,074.3 | 548.6 | 754.3 | 1,360 | 720   | 1,040 | 1,645.7 | 891.4   | 1,325.7 |
| <b>DAPS-1440</b>                                                                                   |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
| 1                                                                                                  | –                        |       |       | –     |       |       | –       |       |       | –     |       |       | –       |         |         |
| 2                                                                                                  | 1,542                    | 835   | 1,242 | 1,800 | 990   | 1,500 | –       |       |       | –     |       |       | –       |         |         |
| 3                                                                                                  | 1,422                    | 745   | 1,062 | 1,680 | 900   | 1,320 | 1,851   | 1,002 | 1,491 | 2,280 | 1,260 | 1,920 | 2,708   | 1,517   | 2,348   |
| 4                                                                                                  | 1,182                    | 565   | 702   | 1,440 | 720   | 960   | 1,611   | 822   | 1,131 | 2,040 | 1,080 | 1,560 | 2,468   | 1,337   | 1,988   |
| <b>DAPS-1920</b>                                                                                   |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
| 1                                                                                                  | –                        |       |       | –     |       |       | –       |       |       | –     |       |       | –       |         |         |
| 2                                                                                                  | 2,057                    | 1,114 | 1,657 | 2,400 | 1,320 | 2,000 | –       |       |       | –     |       |       | –       |         |         |
| 3                                                                                                  | 1,897                    | 994   | 1,417 | 2,240 | 1,200 | 1,760 | 2,468   | 1,337 | 1,988 | 3,040 | 1,680 | 2,560 | 3,611   | 2,022   | 3,131   |
| 4                                                                                                  | 1,577                    | 754   | 937   | 1,920 | 960   | 1,280 | 2,148   | 1,097 | 1,508 | 2,720 | 1,440 | 2,080 | 3,291   | 1,782   | 2,651   |
| <b>DAPS-2880</b>                                                                                   |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
| 1                                                                                                  | –                        |       |       | –     |       |       | –       |       |       | –     |       |       | –       |         |         |
| 2                                                                                                  | 3,085                    | 1,671 | 2,485 | 3,600 | 1,980 | 3,000 | –       |       |       | –     |       |       | –       |         |         |
| 3                                                                                                  | 2,845                    | 1,491 | 2,125 | 3,360 | 1,800 | 2,640 | 3,702   | 2,006 | 2,982 | 4,560 | 2,520 | 3,840 | 5,417   | 3,034   | 4,697   |
| 4                                                                                                  | 2,365                    | 1,131 | 1,405 | 2,880 | 1,440 | 1,920 | 3,222   | 1,645 | 2,262 | 4,080 | 2,160 | 3,120 | 4,937   | 2,674   | 3,977   |
| <b>DAPS-4000</b>                                                                                   |                          |       |       |       |       |       |         |       |       |       |       |       |         |         |         |
| 1                                                                                                  | –                        |       |       | –     |       |       | –       |       |       | –     |       |       | –       |         |         |
| 2                                                                                                  | 4,285                    | 2,321 | 3,451 | 5,000 | 2,750 | 4,166 | –       |       |       | –     |       |       | –       |         |         |
| 3                                                                                                  | 3,952                    | 2,071 | 2,951 | 4,666 | 2,500 | 3,665 | 5,143   | 2,786 | 4,141 | 6,333 | 3,500 | 5,332 | 7,523   | 4,214   | 6,522   |
| 4                                                                                                  | 3,286                    | 1,571 | 1,952 | 4,000 | 2,000 | 2,666 | 4,476   | 2,286 | 3,142 | 5,666 | 3,000 | 4,332 | 6,857   | 3,714   | 5,523   |

Nominal torque for size at 5.6 bar and swivel angle 0°

# Quarter turn actuators DAPS, single-acting

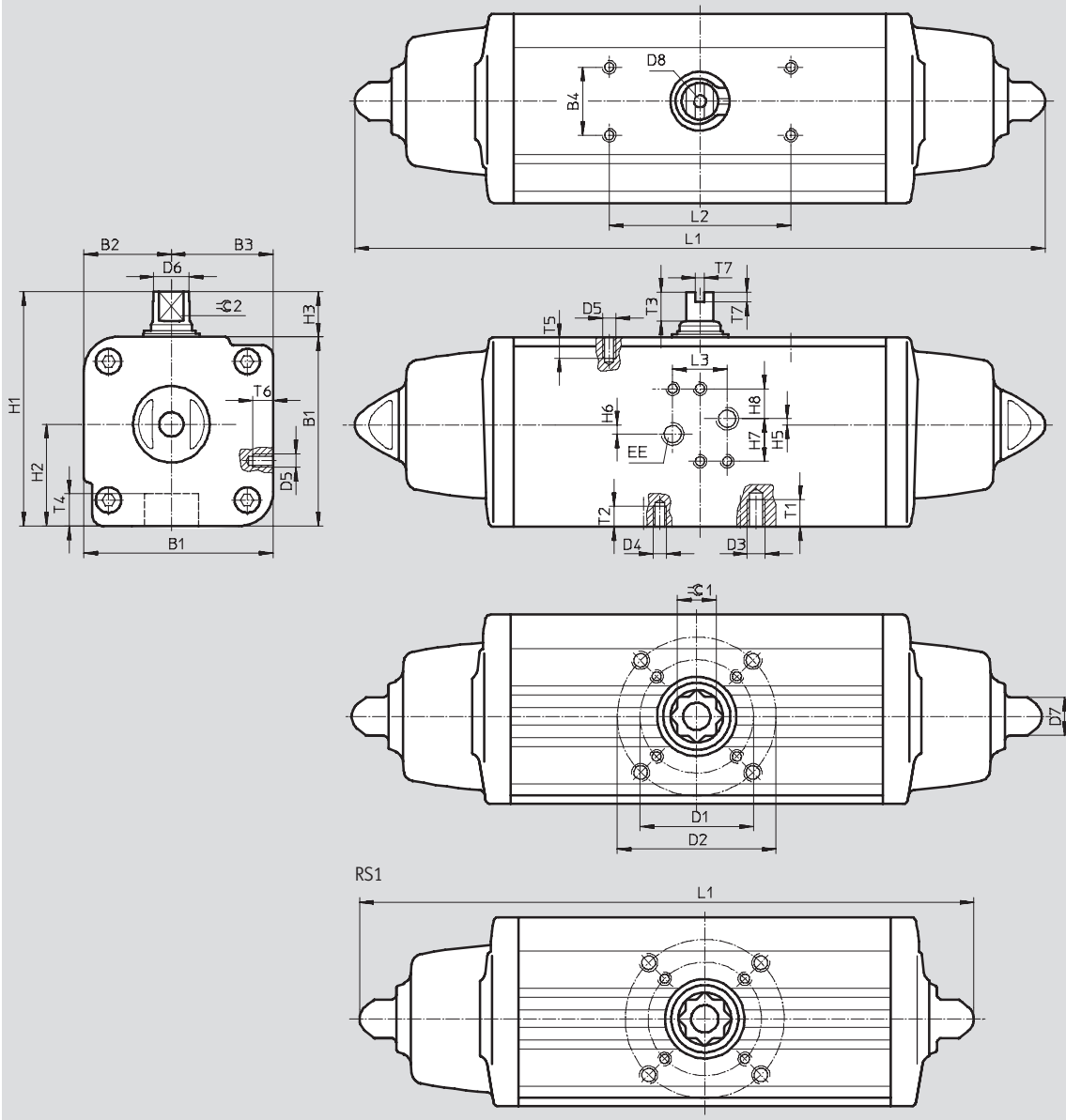
Technical data

**FESTO**

## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 0015 ... 0180



## Quarter turn actuators DAPS, single-acting

Technical data

**FESTO**

| Size                | B1    | B2   | B3   | B4 | D1<br>Ø<br>±0.1 | D2<br>Ø<br>±0.1 | D3  | D4 | D5 | D6<br>Ø | D7<br>Ø | D8 | EE   | H1    | H2   | H3 | H5  |  |
|---------------------|-------|------|------|----|-----------------|-----------------|-----|----|----|---------|---------|----|------|-------|------|----|-----|--|
| DAPS-0015-...-F0305 | 59.2  | 27.7 | 31.5 | 30 | 36              | 50              | M6  | M5 | M5 | 10.9    | 13      | M6 | G1/8 | 79.2  | 31.5 | 20 | 0.8 |  |
| DAPS-0015-...-F04   |       |      |      |    | 42              | –               | –   |    |    |         |         |    |      |       |      |    |     |  |
| DAPS-0030-...-F04   | 70.4  | 32.7 | 37.7 |    | 42              | –               | –   | M5 |    | 14.5    | 13      |    |      | 90.4  | 37.7 | 20 | –   |  |
| DAPS-0030-...-F0507 |       |      |      |    | 50              | 70              | M8  | M6 |    |         |         |    |      |       |      |    |     |  |
| DAPS-0053-...-F0507 | 83.3  | 38.5 | 44.8 |    | 50              | 70              | M8  | M6 |    | 16.2    | 17      |    |      | 103.3 | 44.8 | 20 | –   |  |
| DAPS-0090-...-F0710 | 107.5 | 51   | 56.5 |    | 70              | 102             | M10 | M8 |    | 20.2    | 22      |    |      | 137.5 | 56.5 | 30 | –   |  |
| DAPS-0120-...-F0710 | 111.1 | 51   | 60.1 |    | 70              | 102             | M10 | M8 |    | 22.5    | 22      |    |      | 141.1 | 60.1 | 30 | –   |  |
| DAPS-0180-...-F0710 | 118   | 56   | 62   |    | 70              | 102             | M10 | M8 |    | 25.5    | 22      |    |      | 148   | 62   | 30 | –   |  |

| Size                | H6  | H7 | H8 | L1    |        | L2 | L3 | T1 | T2 | T3 | T4   | T5 | T6 | T7 | ⊆ 1 | ⊆ 2 |
|---------------------|-----|----|----|-------|--------|----|----|----|----|----|------|----|----|----|-----|-----|
|                     |     |    |    | RS1   | RS ... |    |    |    |    |    |      |    |    |    |     |     |
| DAPS-0015-....F0305 | 3.2 | 18 | 14 | 203.8 | 233.3  | 80 | 24 | 9  | 8  | 10 | 13.2 | 6  | 7  | 4  | 11  | 9   |
| DAPS-0015-....F04   |     |    |    |       |        |    |    | –  |    |    |      |    |    |    |     |     |
| DAPS-0030-....F04   | 4   |    |    | 228.5 | 259    |    |    | –  | 8  | 13 | 16.5 |    |    |    | 14  | 10  |
| DAPS-0030-....F0507 |     |    |    |       |        |    |    | 12 |    |    |      |    |    |    |     |     |
| DAPS-0053-....F0507 | 4   |    |    | 270.7 | 303.5  |    |    | 12 | 9  | 13 | 19.3 |    |    |    | 17  | 12  |
| DAPS-0090-....F0710 | 4   |    |    | 341.8 | 393.7  |    |    | 15 | 12 | 16 | 24.8 |    |    |    | 22  | 15  |
| DAPS-0120-....F0710 | 4   |    |    | 361.6 | 409.6  |    |    | 15 | 12 | 17 | 24.8 |    |    |    | 22  | 15  |
| DAPS-0180-....F0710 | 4   |    |    | 406.6 | 474    |    |    | 15 | 12 | 19 | 24.3 |    |    |    | 22  | 19  |

# Quarter turn actuators DAPS, single-acting

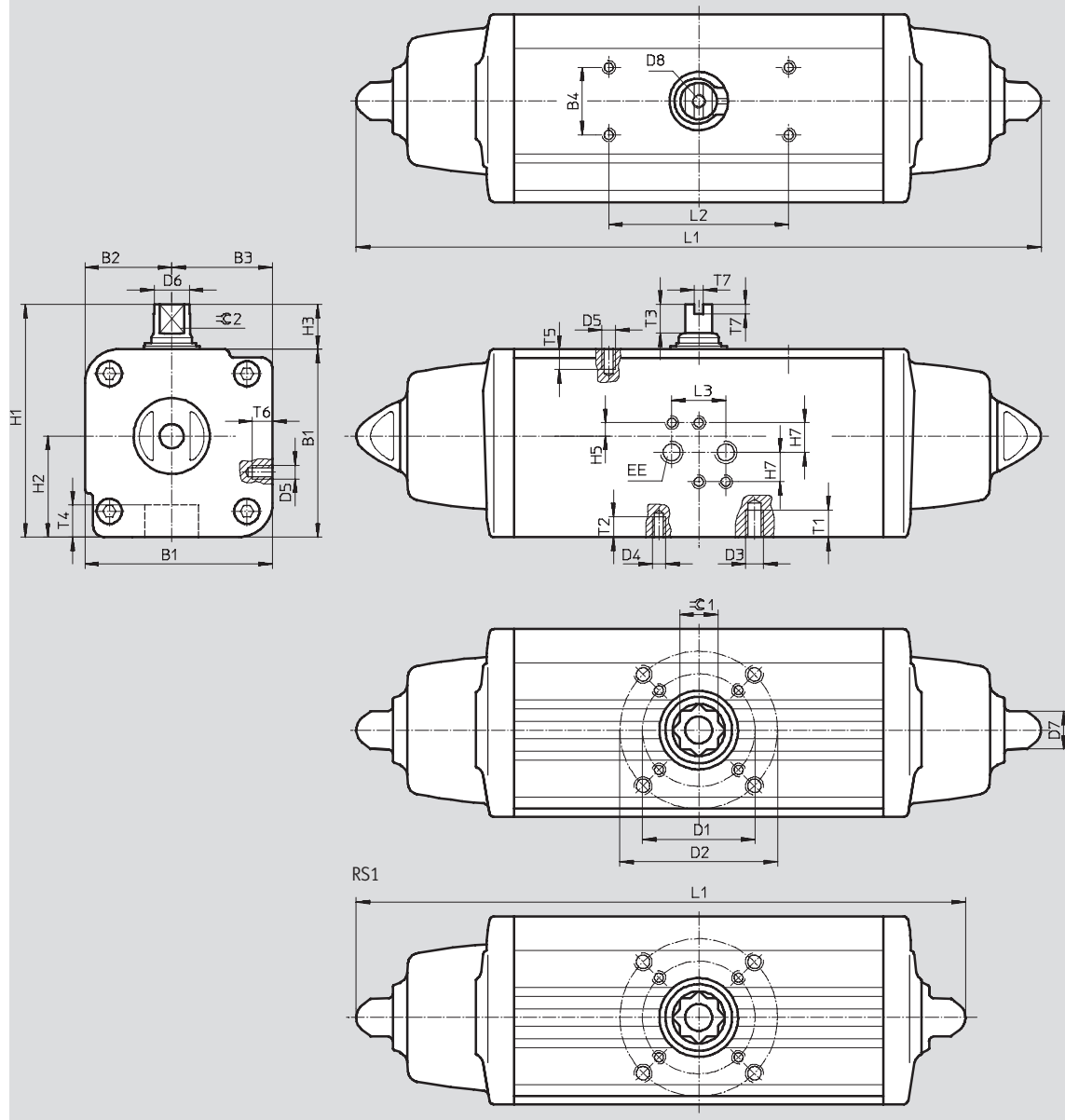
Technical data

**FESTO**

## Dimensions

Size 0240 ... 0960

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)



## Quarter turn actuators DAPS, single-acting

Technical data

**FESTO**

| Size                | B1    | B2   | B3    | B4 | D1<br>Ø | D2<br>Ø | D3  | D4  | D5 | D6<br>Ø | D7<br>Ø | D8 | EE   | H1    | H2    | H3 |
|---------------------|-------|------|-------|----|---------|---------|-----|-----|----|---------|---------|----|------|-------|-------|----|
| DAPS-0240-...-F1012 | 134.9 | 62   | 72.9  | 30 | 102     | 125     | M12 | M10 | M5 | 29      | 27      | M6 | G1/8 | 164.9 | 72.9  | 30 |
| DAPS-0360-...-F1012 | 148   | –    | –     |    | 102     | 125     | M12 | M10 |    | 31.8    | 27      |    |      | 178   | 78.5  |    |
| DAPS-0480-...-F12   | 168   | 74.5 | 93.5  |    | 102     | 125     | M12 | M10 |    | 36.5    | 27      |    |      | 198   | 93.5  |    |
| DAPS-0480-...-F14   |       |      |       |    | 140     |         |     | M16 |    |         |         |    |      |       |       |    |
| DAPS-0720-...-F12   | 188   | –    | –     |    | 125     | –       | –   | M12 |    | –       | 36      |    |      | 216   | 101.5 |    |
| DAPS-0720-...-F14   |       |      |       |    | 140     |         |     | M16 |    |         |         |    |      |       |       |    |
| DAPS-0960-...-F14   | 207.7 | 93   | 114.7 |    | 140     | –       | –   | M16 |    | 46      | 36      |    |      | 237.7 | 114.7 |    |
| DAPS-0960-...-F1216 |       |      |       |    | 125     |         |     | 165 |    |         |         |    |      |       |       |    |

| Size                 | H5  | H7 | L1    |       | L2 | L3 | T1 | T2 | T3   | T4   | T5 | T6 | T7 | ≈C1 | ≈C2 |
|----------------------|-----|----|-------|-------|----|----|----|----|------|------|----|----|----|-----|-----|
|                      |     |    | RS1   | RS... |    |    |    |    |      |      |    |    |    |     |     |
| DAPS-0240-....-F1012 | 0.5 | 16 | 454.1 | 520.5 | 80 | 24 | 18 | 15 | 19   | 29.5 | 6  | 7  | 4  | 27  | 19  |
| DAPS-0360-....-F1012 | −1  |    | 523   | 613   |    |    | 18 | 15 | 19.5 | 29.5 |    |    |    | 27  | 22  |
| DAPS-0480-....-F12   | 0.5 |    | 563.8 | 648.2 |    |    | 18 | 15 | 19.5 | 38.5 |    |    |    | 36  | 24  |
| DAPS-0480-....-F14   |     |    |       |       |    |    |    | 24 |      |      |    |    |    |     |     |
| DAPS-0720-....-F12   | −1  |    | 683   | 798   |    |    | −  | 18 | 19.5 | 38.5 |    |    |    | 36  | 27  |
| DAPS-0720-....-F14   |     |    |       |       |    |    |    | 24 |      |      |    |    |    |     |     |
| DAPS-0960-....-F14   | 0.5 |    | 714.4 | 828   |    |    | −  | 24 | 18.5 | 48.5 |    |    |    | 46  | 32  |
| DAPS-0960-....-F1216 |     |    |       |       |    |    |    | 30 |      |      |    |    |    |     |     |

# Quarter turn actuators DAPS, single-acting

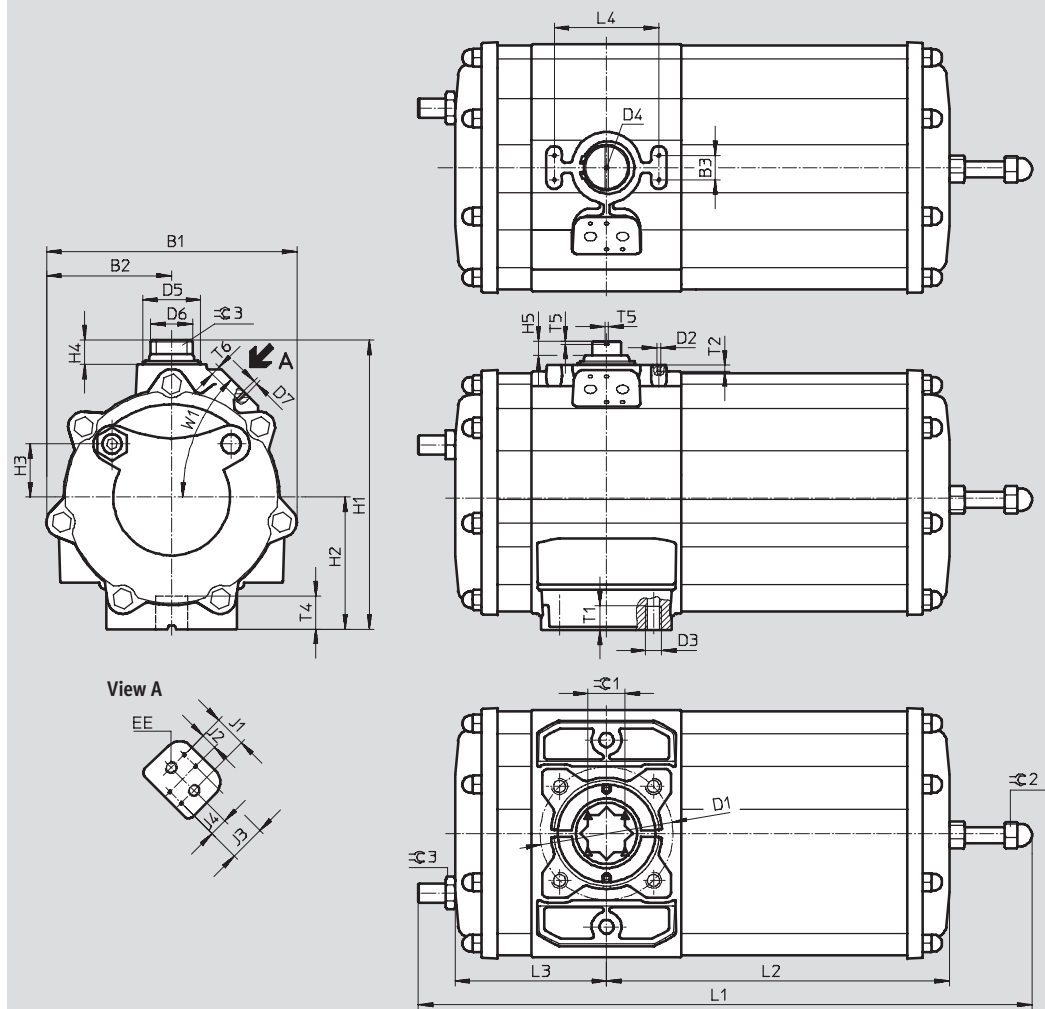
Technical data

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## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 1440



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D6<br>Ø | D7 | EE              | H1  | H2  | H3 | H4 | H5 | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|---------|----|-----------------|-----|-----|----|----|----|----|
| DAPS-1440-... | 311 | 155 | 30 | 165     | M5 | M20 | M6 | 72      | 52      | M5 | G $\frac{3}{8}$ | 359 | 164 | 66 | 30 | 18 | 40 |

| Size          | J2 | J3 | J4   | L1  | L2  | L3  | L4  | T1 | T2 | T4   | T5 | T6 | W1  | ⊙ 1 | ⊙ 2 | ⊙ 3 |
|---------------|----|----|------|-----|-----|-----|-----|----|----|------|----|----|-----|-----|-----|-----|
| DAPS-1440-... | 20 | 45 | 22.5 | 834 | 498 | 188 | 130 | 30 | 8  | 49.5 | 4  | 7  | 45° | 46  | 30  | 36  |

# Quarter turn actuators DAPS, single-acting

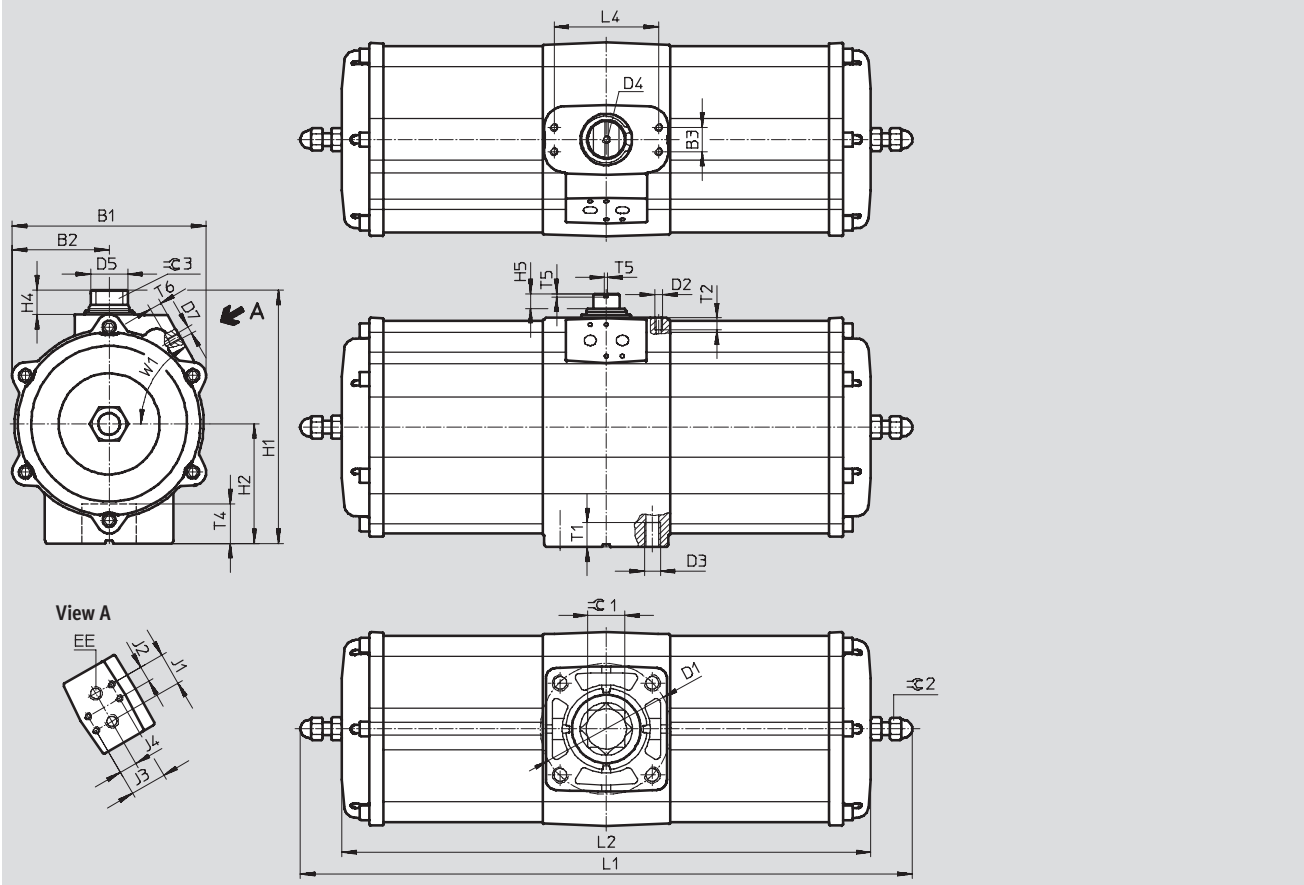
Technical data

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## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 1920



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D7 | EE   | H1  | H2    | H4 | H5   | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|----|------|-----|-------|----|------|----|
| DAPS-1920-... | 241 | 120 | 30 | 165     | M5 | M20 | M6 | 46      | M6 | G3/8 | 315 | 148.5 | 30 | 18.5 | 40 |

| Size          | J2 | J3 | J4   | L1  | L2  | L4  | T1 | T2 | T4 | T5 | T6 | W1  | <math>\varnothing 1</math> | <math>\varnothing</math> | <math>\varnothing 3</math> |
|---------------|----|----|------|-----|-----|-----|----|----|----|----|----|-----|----------------------------|--------------------------|----------------------------|
| DAPS-1920-... | 20 | 45 | 22.5 | 975 | 857 | 130 | 30 | 10 | 49 | 4  | 10 | 60° | 46                         | 24                       | 32                         |

# Quarter turn actuators DAPS, single-acting

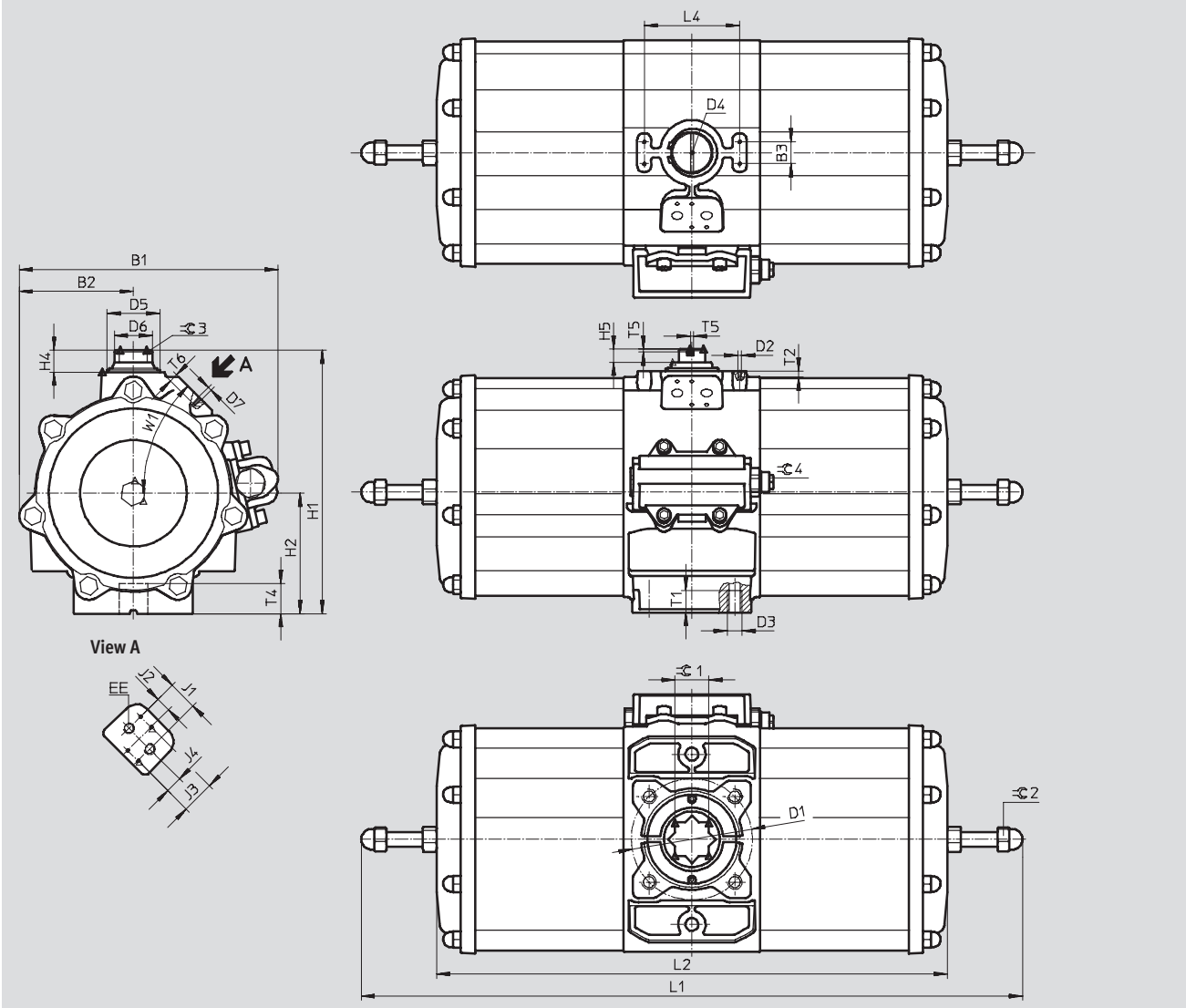
Technical data

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## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 2880



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D6<br>Ø | D7 | EE   | H1  | H2  | H4 | H5 | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|---------|----|------|-----|-----|----|----|----|
| DAPS-2880-... | 353 | 155 | 30 | 165     | M5 | M20 | M6 | 72      | 52      | M5 | G3/8 | 359 | 164 | 30 | 18 | 40 |

| Size          | J2 | J3 | J4   | L1    | L2  | L4  | T1 | T2 | T4   | T5 | T6 | W1  | ≈C 1 | ≈C 2 | ≈C 3 | ≈C 4 |
|---------------|----|----|------|-------|-----|-----|----|----|------|----|----|-----|------|------|------|------|
| DAPS-2880-... | 20 | 45 | 22.5 | 1,201 | 996 | 130 | 30 | 8  | 49.5 | 4  | 7  | 45° | 46   | 30   | 36   | 15   |

# Quarter turn actuators DAPS, single-acting

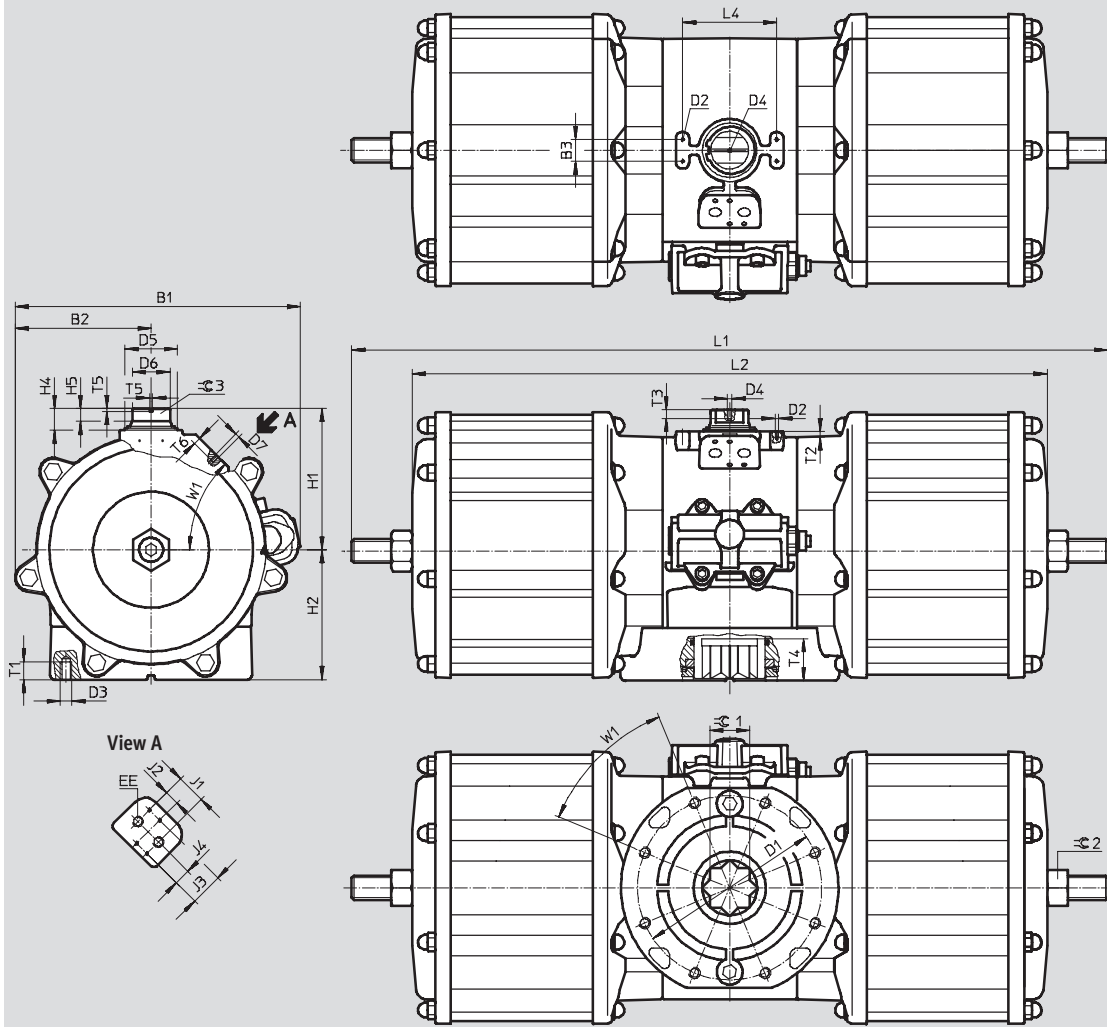
Technical data

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## Dimensions

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

Size 4000



| Size          | B1  | B2  | B3 | D1<br>Ø | D2 | D3  | D4 | D5<br>Ø | D6<br>Ø | D7 | EE   | H1  | H2  | H4 | H5 | J1 |
|---------------|-----|-----|----|---------|----|-----|----|---------|---------|----|------|-----|-----|----|----|----|
| DAPS-4000-... | 394 | 188 | 30 | 254     | M5 | M16 | M6 | 72      | 52      | M6 | G3/8 | 195 | 179 | 30 | 18 | 40 |

| Size          | J2 | J3 | J4   | L1    | L2    | L4  | T1 | T2 | T3 | T4 | T5 | T6 | W1  | CG 1 | CG 2 | CG 3 |
|---------------|----|----|------|-------|-------|-----|----|----|----|----|----|----|-----|------|------|------|
| DAPS-4000-... | 20 | 45 | 22.5 | 1,370 | 1,184 | 130 | 24 | 8  | 12 | 58 | 4  | 10 | 45° | 55   | 50   | 36   |

# Quarter turn actuators DAPS, single-acting

Technical data

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| Ordering data |                         |           |                         |
|---------------|-------------------------|-----------|-------------------------|
| Part No.      | Type                    | Part No.  | Type                    |
| Size 0015     |                         | Size 0480 |                         |
| 533427        | DAPS-0015-090-RS1-F0305 | 533455    | DAPS-0480-090-RS1-F1012 |
| 533480        | DAPS-0015-090-RS1-F04   | 533488    | DAPS-0480-090-RS1-F14   |
| 533428        | DAPS-0015-090-RS2-F0305 | 533456    | DAPS-0480-090-RS2-F1012 |
| 533481        | DAPS-0015-090-RS2-F04   | 533489    | DAPS-0480-090-RS2-F14   |
| 533429        | DAPS-0015-090-RS3-F0305 | 533457    | DAPS-0480-090-RS3-F1012 |
| 533482        | DAPS-0015-090-RS3-F04   | 533490    | DAPS-0480-090-RS3-F14   |
| 533430        | DAPS-0015-090-RS4-F0305 | 533458    | DAPS-0480-090-RS4-F1012 |
| 533483        | DAPS-0015-090-RS4-F04   | 533491    | DAPS-0480-090-RS4-F14   |
| Size 0030     |                         | Size 0720 |                         |
| 533431        | DAPS-0030-090-RS1-F04   | 549677    | DAPS-0720-090-RS1-F12   |
| 533484        | DAPS-0030-090-RS1-F0507 | 549681    | DAPS-0720-090-RS1-F14   |
| 533432        | DAPS-0030-090-RS2-F04   | 549678    | DAPS-0720-090-RS2-F12   |
| 533485        | DAPS-0030-090-RS2-F0507 | 549682    | DAPS-0720-090-RS2-F14   |
| 53333         | DAPS-0030-090-RS3-F04   | 549679    | DAPS-0720-090-RS3-F12   |
| 533486        | DAPS-0030-090-RS3-F0507 | 549683    | DAPS-0720-090-RS3-F14   |
| 533434        | DAPS-0030-090-RS4-F04   | 549680    | DAPS-0720-090-RS4-F12   |
| 533487        | DAPS-0030-090-RS4-F0507 | 549684    | DAPS-0720-090-RS4-F14   |
| Size 0053     |                         | Size 0960 |                         |
| 533435        | DAPS-0053-090-RS1-F0507 | 533459    | DAPS-0960-090-RS1-F14   |
| 533436        | DAPS-0053-090-RS2-F0507 | 533492    | DAPS-0960-090-RS1-F1216 |
| 533437        | DAPS-0053-090-RS3-F0507 | 533460    | DAPS-0960-090-RS2-F14   |
| 533438        | DAPS-0053-090-RS4-F0507 | 533493    | DAPS-0960-090-RS2-F1216 |
| Size 0090     |                         | 533461    | DAPS-0960-090-RS3-F14   |
| 533439        | DAPS-0090-090-RS1-F0710 | 533494    | DAPS-0960-090-RS3-F1216 |
| 533440        | DAPS-0090-090-RS2-F0710 | 533462    | DAPS-0960-090-RS4-F14   |
| 533441        | DAPS-0090-090-RS3-F0710 | 533495    | DAPS-0960-090-RS4-F1216 |
| 533442        | DAPS-0090-090-RS4-F0710 | Size 1440 |                         |
| Size 0120     |                         | 549685    | DAPS-1440-090-RS1-F16   |
| 533443        | DAPS-0120-090-RS1-F0710 | 549686    | DAPS-1440-090-RS2-F16   |
| 533444        | DAPS-0120-090-RS2-F0710 | 549687    | DAPS-1440-090-RS3-F16   |
| 533445        | DAPS-0120-090-RS3-F0710 | 549688    | DAPS-1440-090-RS4-F16   |
| 533446        | DAPS-0120-090-RS4-F0710 | Size 1920 |                         |
| Size 0180     |                         | 549689    | DAPS-1920-090-RS1-F16   |
| 533447        | DAPS-0180-090-RS1-F0710 | 549690    | DAPS-1920-090-RS2-F16   |
| 533448        | DAPS-0180-090-RS2-F0710 | 549691    | DAPS-1920-090-RS3-F16   |
| 533449        | DAPS-0180-090-RS3-F0710 | 549692    | DAPS-1920-090-RS4-F16   |
| 533450        | DAPS-0180-090-RS4-F0710 | Size 2880 |                         |
| Size 0240     |                         | 549693    | DAPS-2880-090-RS1-F16   |
| 533451        | DAPS-0240-090-RS1-F1012 | 549694    | DAPS-2880-090-RS2-F16   |
| 533452        | DAPS-0240-090-RS2-F1012 | 549695    | DAPS-2880-090-RS3-F16   |
| 533453        | DAPS-0240-090-RS3-F1012 | 549696    | DAPS-2880-090-RS4-F16   |
| 533454        | DAPS-0240-090-RS4-F1012 | Size 4000 |                         |
| Size 0360     |                         | 560856    | DAPS-4000-090-RS1-F25   |
| 549673        | DAPS-0360-090-RS1-F1012 | 561694    | DAPS-4000-090-RS2-F25   |
| 549674        | DAPS-0360-090-RS2-F1012 | 561695    | DAPS-4000-090-RS3-F25   |
| 549675        | DAPS-0360-090-RS3-F1012 | 561696    | DAPS-4000-090-RS4-F25   |
| 549676        | DAPS-0360-090-RS4-F1012 |           |                         |

## Quarter turn actuators DAPS, single-acting

Technical data

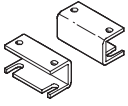
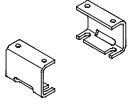
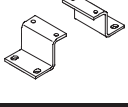
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| Ordering data – Wearing parts kits |                        |               |                        |
|------------------------------------|------------------------|---------------|------------------------|
| Part No.                           | Type                   | Part No.      | Type                   |
| Size 0015                          |                        | Size 0180     |                        |
| <b>397471</b>                      | <b>DAPS-0030/S0015</b> | <b>397476</b> | <b>DAPS-0360/S0180</b> |
| Size 0030                          |                        | Size 0240     |                        |
| <b>397472</b>                      | <b>DAPS-0060/S0030</b> | <b>397477</b> | <b>DAPS-0480/S0240</b> |
| Size 0053                          |                        | Size 0480     |                        |
| <b>397473</b>                      | <b>DAPS-0106/S0053</b> | <b>397478</b> | <b>DAPS-0960/S0480</b> |
| Baugröße 0090                      |                        | Size 0960     |                        |
| <b>397474</b>                      | <b>DAPS-0180/S0090</b> | <b>397479</b> | <b>DAPS-1920/S0960</b> |
| Baugröße 0120                      |                        |               |                        |
| <b>397475</b>                      | <b>DAPS-0240/S0120</b> |               |                        |

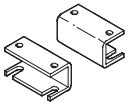
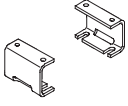
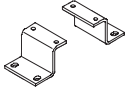
# Quarter turn actuators DAPS

Accessories

**FESTO**

| Ordering data – Adapter kits for mounting the sensor boxes SRBP, SRAP               |                       |                    |                   |          |               |
|-------------------------------------------------------------------------------------|-----------------------|--------------------|-------------------|----------|---------------|
|                                                                                     | Size                  | Dimensions<br>[mm] | CRC <sup>1)</sup> | Part No. | Type          |
| <b>DAPS double-acting</b>                                                           |                       |                    |                   |          |               |
|    | DAPS-0015- ... -F03   | 20x30x80           | 3                 | 568275   | DASB-P1-HA-SB |
|                                                                                     | DAPS-0015- ... -F04   |                    |                   |          |               |
|                                                                                     | DAPS-0030- ... -F0305 |                    |                   |          |               |
|                                                                                     | DAPS-0030- ... -F04   |                    |                   |          |               |
|                                                                                     | DAPS-0060- ... -F04   |                    |                   |          |               |
|                                                                                     | DAPS-0060- ... -F0507 |                    |                   |          |               |
|                                                                                     | DAPS-0106- ... -F0507 |                    |                   |          |               |
|    | DAPS-0180- ... -F0710 | 30x30x80           |                   | 572418   | DASB-P1-HB-SB |
|                                                                                     | DAPS-0240- ... -F0710 |                    |                   |          |               |
|                                                                                     | DAPS-0360- ... -F0710 |                    |                   |          |               |
|                                                                                     | DAPS-0480- ... -F1012 |                    |                   |          |               |
|                                                                                     | DAPS-0720- ... -F1012 |                    |                   |          |               |
|                                                                                     | DAPS-0960- ... -F12   |                    |                   |          |               |
|                                                                                     | DAPS-0960- ... -F14   |                    |                   |          |               |
|                                                                                     | DAPS-1440- ... -F12   |                    |                   |          |               |
|                                                                                     | DAPS-1440- ... -F14   |                    |                   |          |               |
|                                                                                     | DAPS-1920- ... -F14   |                    |                   |          |               |
|                                                                                     | DAPS-1920- ... -F1216 |                    |                   |          |               |
|                                                                                     |                       |                    |                   |          |               |
|                                                                                     |                       |                    |                   |          |               |
|                                                                                     |                       |                    |                   |          |               |
|  | DAPS-2880- ... -F16   | 30x30x130          |                   | 572419   | DASB-P1-HC-SB |
|                                                                                     | DAPS-3840- ... -F16   |                    |                   |          |               |
|                                                                                     | DAPS-5760- ... -F25   |                    |                   |          |               |
|                                                                                     | DAPS-8000- ... -F25   |                    |                   |          |               |

- 1) Corrosion resistance class 3 according to Festo standard 940 070  
Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

| Ordering data – Adapter kits for mounting the sensor boxes SRBP, SRAP               |                       |                    |                   |          |               |
|-------------------------------------------------------------------------------------|-----------------------|--------------------|-------------------|----------|---------------|
|                                                                                     | Size                  | Dimensions<br>[mm] | CRC <sup>1)</sup> | Part No. | Type          |
| <b>DAPS single-acting</b>                                                           |                       |                    |                   |          |               |
|  | DAPS-0015- ... -F0305 | 20x30x80           | 3                 | 568275   | DASB-P1-HA-SB |
|                                                                                     | DAPS-0015- ... -F04   |                    |                   |          |               |
|                                                                                     | DAPS-0030- ... -F04   |                    |                   |          |               |
|                                                                                     | DAPS-0030- ... -F0507 |                    |                   |          |               |
|                                                                                     | DAPS-0053- ... -F0507 |                    |                   |          |               |
|  | DAPS-0090- ... -F0710 | 30x30x80           |                   | 572418   | DASB-P1-HB-SB |
|                                                                                     | DAPS-0120- ... -F0710 |                    |                   |          |               |
|                                                                                     | DAPS-0180- ... -F0710 |                    |                   |          |               |
|                                                                                     | DAPS-0240- ... -F1012 |                    |                   |          |               |
|                                                                                     | DAPS-0360- ... -F1012 |                    |                   |          |               |
|                                                                                     | DAPS-0480- ... -F12   |                    |                   |          |               |
|                                                                                     | DAPS-0480- ... -F14   |                    |                   |          |               |
|                                                                                     | DAPS-0720- ... -F12   |                    |                   |          |               |
|                                                                                     | DAPS-0720- ... -F14   |                    |                   |          |               |
|                                                                                     | DAPS-0960- ... -F14   |                    |                   |          |               |
|                                                                                     | DAPS-0960- ... -F1216 |                    |                   |          |               |
|  | DAPS-1440- ... -F16   | 30x30x130          |                   | 572419   | DASB-P1-HC-SB |
|                                                                                     | DAPS-1920- ... -F16   |                    |                   |          |               |
|                                                                                     | DAPS-2880- ... -F16   |                    |                   |          |               |
|                                                                                     | DAPS-4000- ... -F25   |                    |                   |          |               |

- 1) Corrosion resistance class 3 according to Festo standard 940 070  
Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

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