

Quarter turn actuator DAPS

FESTO



Characteristics

At a glance

[Link ↗ daps](#)



The quarter-turn actuators DAPS are especially tailored to meet the requirements of the process industry. The torque is generated via a Scotch yoke mechanism. This helps overcome the high breakaway torques of the process valve. Given its robustness and graduated torques, the quarter-turn actuators DAPS are mainly used to control process valves with various media flows and whose rotation angle is limited to 90°, e.g. ball valves and butterfly valves.

- Compact design
- Torque characteristics adapted to the process valves
- The single-acting actuator has half the torque of the double-acting actuator with the same housing size
- Minimal wear thanks to the simple and sturdy mechanical system
- Adjustable swivel angle
- Selected types according to ATEX directive for potentially explosive atmospheres
- Connection pattern according to Namur VDI/VDE 3845 for mounting solenoid valves

Additional documents

[Link ↗ daps](#)



You will find information on the theoretical torque in the additional document DFPD_ADD.

Temperature range

- The design of the quarter turn actuators DAPS Standard (-20 °C to +80 °C).
- The high-temperature version of the quarter-turn actuator DAPS-T4 is specifically designed for the requirements for controlling process valves used with hot media flows.
- The design of the quarter turn actuators DAPS-T6 low-temperature is specially adapted to the requirements for controlling process valves through which cold media flow or which are located in a cold environment.

Corrosion protection



Single-acting and double-acting quarter-turn actuators DAPS in stainless steel are used for automating process valves with a 90° swivel angle. The single-acting variant has different spring forces for different supply pressures.

Manual override

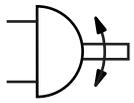


When the supply pressure is switched off, the handwheel can be used to manually change the position of the valve or actuator. The handwheel therefore acts as a manual emergency override.

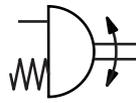
Characteristics

Function

[] Double-acting



[S] Single-acting



Type code

001	Series	
DAPS	Semi-rotary drive	

002	Nominal torque	
0008	8 Nm	
0015	15 Nm	
0030	30 Nm	
0053	53 Nm	
0060	60 Nm	
0090	90 Nm	
0106	106 Nm	
0120	120 Nm	
0180	180 Nm	
0240	240 Nm	
0360	360 Nm	
0480	480 Nm	
0720	720 Nm	
0960	960 Nm	
1440	1440 Nm	
1920	1920 Nm	
2880	2880 Nm	
3840	3840 Nm	
4000	4000 Nm	
5760	5760 Nm	
8000	8000 Nm	

003	Swivel angle [°]	
90	90	

004	Closing direction	
R	Closes to the right	

005	Function	
	Double-acting	
S	Single-acting	

006	Spring force	
	None	
1	For connecting pressure of 2.8 bar	
2	For connecting pressure of 3.5 bar	
3	For connecting pressure of 4.2 bar	
4	For connecting pressure of 5.6 bar	

007	Flange pattern 1	
F03	Hole pattern F03	
F04	Hole pattern F04	
F05	Hole pattern F05	
F07	Hole pattern F07	
F10	Hole pattern F10	
F12	Hole pattern F12	
F14	Hole pattern F14	
F16	Hole pattern F16	
F25	Hole pattern F25	

008	Flange pattern 2	
	None	
05	Hole pattern F05	
07	Hole pattern F07	
10	Hole pattern F10	
12	Hole pattern F12	
16	Hole pattern F16	

009	Manual override	
	None	
MW	Handwheel	

010	Corrosion protection	
	Standard	
CR	Stainless steel	

011	Temperature range	
	Standard	
T4	-20 °C ... +150 °C	
T6	-50 °C ... +60 °C	

Datasheet

General technical data for quarter turn actuators DAPS, double-acting

Size	8	15	30	60	106	180	240	360	480	720	960	1,440	1,920	2,880	3,840	5,760	8,000	
Pneumatic connection	G1/8								G1/4				G3/8					
Design	Scotch yoke system																	
Mode of operation	Double-acting																	
Mounting position	optional																	
Position detection	Without																	
Cushioning	No cushioning																	
Swivel angle	90 deg																	
End-position adjustment range at 0°	-													-1 ... 9 deg			-5 ... 5 deg	
End-position adjustment range at nominal swivel angle	-													85 ... 95 deg				
Closing direction	Closes to the right																	
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	0.24 l	0.56 l	1.05 l	2.1 l	3.85 l	6.65 l	9.1 l	12.6 l	18.2 l	24.5 l	34.3 l	53.2 l	71.4 l	140 l	179.2 l	266 l	350 l	

Operating and environmental conditions quarter turn actuators DAPS, double-acting

Size	8	15	30	60	106	180	240	360	480	720	960	1,440	1,920	2,880	3,840	5,760	8,000
Pneumatic connection	G1/8								G1/4				G3/8				
Nominal operating pressure	5.6 bar																
Nominal operating pressure	0.56 MPa																
Operating pressure	1 ... 8.4 bar																1 ... 7 bar
Operating pressure	0.1 ... 0.84 MPa																0.1 ... 0.7 MPa
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]																
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)																
Corrosion resistance class CRC ¹⁾	3 - high corrosion stress																
Fitting connection conforms to standard	ISO 5211																
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)																
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode																
Certificate issuing authority	German Technical Control Board North (TÜV Nord) 212170801																

1) Corrosion resistance class CRC 3 to Festo standard FN 940070 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial atmosphere.

Temperatures quarter turn actuators DAPS, double-acting

Temperature range	Standard []	-20°C ... +150°C [T4]	-50°C ... +60°C [T6]
Ambient temperature	-20 ... 80°C	-20 ... 150°C	-50 ... 60°C

ATEX quarter turn actuators DAPS, double-acting

Temperature range	Standard []	-20°C ... +150°C [T4]	-50°C ... +60°C [T6]
ATEX category gas	II 2G		
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb X		
ATEX category dust	II 2D		
Explosion ignition protection type for dust	Ex h IIIC T85°C...T200°C Db X		
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C	-20°C ≤ Ta ≤ +150°C	-50°C ≤ Ta ≤ +60°C
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)		
UKCA marking (see declaration of conformity)	To UK EX instructions		

Datasheet

Materials of quarter turn actuators DAPS, double-acting

Temperature range	Standard []	-20°C ... +150°C [T4]	-50°C ... +60°C [T6]
Material housing	Wrought aluminium alloy		
Material cover	Wrought aluminium alloy		
Material shaft	High-alloy steel		
Material number shaft	1.4305		
Material screws	High-alloy steel		
Material seals	FPM, NBR, PUR	FPM, PTFE reinforced	FVMQ, PTFE reinforced
Note on materials	RoHS-compliant		
LABS (PWIS) conformity	VDMA24364-B1/B2-L	VDMA24364 zone III	

General technical data for quarter turn actuators DAPS, single-acting

Size	15	30	53	90	120	180	240	360	480	720	960	1,440	1,920	2,880	4,000	
Pneumatic connection	G1/8						G1/4				G3/8					
Design	Scotch yoke system															
Mode of operation	Single-acting															
Mounting position	optional															
Position detection	Without															
Cushioning	No cushioning															
Swivel angle	90 deg															
End-position adjustment range at 0°	-1 ... 9 deg											-5 ... 5 deg				
End-position adjustment range at nominal swivel angle	81 ... 91 deg											85 ... 95 deg				
Note on end-position adjusting range	One end position optionally adjustable											-				
Closing direction	Closes to the right															
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	0.63 l	1.19 l	2.1 l	3.85 l	5.6 l	7 l	10.5 l	14 l	19.6 l	29.4 l	41.3 l	77 l	91.7 l	147 l	203.7 l	

Operating and environmental conditions quarter turn actuators DAPS, single-acting

Size	15	30	53	90	120	180	240	360	480	720	960	1,440	1,920	2,880	4,000
Pneumatic connection	G1/8						G1/4				G3/8				
Nominal operating pressure	5.6 bar														
Nominal operating pressure	0.56 MPa														
Operating pressure ¹⁾	0.28 ... 0.84 MPa														
Operating pressure	2.8 ... 8.4 bar														
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]														
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)														
Corrosion resistance class CRC ²⁾	3 - high corrosion stress														
Fitting connection conforms to standard	ISO 5211														
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)														
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode														
Certificate issuing authority	German Technical Control Board North (TÜV Nord) 212170801														

1) Depending on the number of springs in single-acting quarter turn actuators, the minimum operating pressures may vary

2) Corrosion resistance class CRC 3 to Festo standard FN 940070 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial atmosphere.

Temperatures quarter turn actuators DAPS, double-acting

Temperature range	Standard []	-20°C ... +150°C [T4]	-50°C ... +60°C [T6]
Ambient temperature	-20 ... 80°C	-20 ... 150°C	-50 ... 60°C

Datasheet

ATEX quarter turn actuators DAPS, single-acting

ATEX category gas	II 2G		
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb X		
ATEX category dust	II 2D		
Explosion ignition protection type for dust	Ex h IIIC T85°C...T200°C Db X		
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C	-20°C ≤ Ta ≤ +150°C	-50°C ≤ Ta ≤ +60°C
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)		
UKCA marking (see declaration of conformity)	To UK EX instructions		

Materials of quarter turn actuators DAPS, single-acting

Temperature range	Standard []	-20°C ... +150°C [T4]	-50°C ... +60°C [T6]
Material housing	Wrought aluminium alloy		
Material cover	Wrought aluminium alloy		
Material shaft	High-alloy steel		
Material number shaft	1.4305		
Material screws	High-alloy steel		
Material seals	FPM, NBR, PUR	FPM, PTFE reinforced	FVMQ, PTFE reinforced
Note on materials	RoHS-compliant		
LABS (PWIS) conformity	VDMA24364-B1/B2-L	VDMA24364 zone III	

General technical data for quarter turn actuators DAPS CR, double-acting

Size	15	30	60	120	240	480
Pneumatic connection	G1/8					
Design	Scotch yoke system					
Mode of operation	Double-acting					
Mounting position	optional					
Position detection	Without					
Cushioning	No cushioning					
Swivel angle	90 deg					
Closing direction	Closes to the right					
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	0.55 l	1.04 l	1.96 l	4.06 l	8.26 l	16.66 l

Operating and environmental conditions quarter turn actuators DAPS CR, double-acting

Size	15	30	60	120	240	480
Nominal operating pressure	5.6 bar					
Nominal operating pressure	0.56 MPa					
Operating pressure	0.25 ... 0.84 MPa					
Operating pressure	2.5 ... 8.4 bar					
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]					
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)					
Temperature range	Standard					
Ambient temperature	-20 ... 80°C					
Corrosion resistance class CRC ¹⁾	3 - high corrosion stress					
Fitting connection conforms to standard	-			ISO 5211		
Valve connection conforms to standard	-			VDI/VDE 3845 (NAMUR)		
Safety Integrity Level (SIL)	Up to SIL 2 High Demand mode, To SIL 2 Low Demand mode					
Certificate issuing authority	German Technical Control Board North (TÜV Nord) 212170801					

1) Corrosion resistance class CRC 3 to Festo standard FN 940070 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial atmosphere.

Datasheet

ATEX quarter turn actuators DAPS CR, double-acting

ATEX category gas	II 2G
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb X
ATEX category dust	II 2D
Explosion ignition protection type for dust	Ex h IIIC T85°C...T200°C Db X
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions

Materials of quarter turn actuators DAPS CR, double-acting

Material housing	High-alloy stainless steel
Material number housing	1.4408
Material cover	High-alloy stainless steel
Material number cover	1.4408
Material shaft	High-alloy stainless steel
Material number shaft	1.4301
Material screws	High-alloy stainless steel
Material seals	FPM, NBR, PUR
Note on materials	RoHS-compliant

General technical data for quarter turn actuators DAPS CR, single-acting

Size	15	30	60	120	240
Pneumatic connection	G1/8				
Design	Scotch yoke system				
Mode of operation	Single-acting				
Mounting position	optional				
Position detection	Without				
Cushioning	No cushioning				
Swivel angle	90 deg				
Closing direction	Closes to the right				
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	0.6 l	1.12 l	2.31 l	4.9 l	9.66 l

Operating and environmental conditions for quarter turn actuators DAPS CR, single-acting

Size	15	30	60	120	240
Nominal operating pressure	5.6 bar				
Nominal operating pressure	0.56 MPa				
Operating pressure	0.28 ... 0.84 MPa				
Operating pressure	2.8 ... 8.4 bar				
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]				
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)				
Temperature range	Standard				
Ambient temperature	-20 ... 80°C				
Corrosion resistance class CRC ¹⁾	3 - high corrosion stress				
Fitting connection conforms to standard	–	ISO 5211			
Valve connection conforms to standard	–	VDI/VDE 3845 (NAMUR)			
Safety Integrity Level (SIL)	Up to SIL 2 High Demand mode, To SIL 2 Low Demand mode				
Certificate issuing authority	German Technical Control Board North (TÜV Nord) 212170801				

¹⁾ Corrosion resistance class CRC 3 to Festo standard FN 940070 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial atmosphere.

Datasheet

ATEX quarter turn actuators DAPS CR, single-acting

ATEX category gas	II 2G
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb X
ATEX category dust	II 2D
Explosion ignition protection type for dust	Ex h IIIC T85°C...T200°C Db X
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions

Materials of quarter turn actuators DAPS CR, single-acting

Material housing	High-alloy stainless steel
Material number housing	1.4408
Material cover	High-alloy stainless steel
Material number cover	1.4408
Material shaft	High-alloy stainless steel
Material number shaft	1.4301
Material screws	High-alloy stainless steel
Material seals	FPM, NBR, PUR
Note on materials	RoHS-compliant

General technical data for quarter turn actuators DAPS with handwheel, double-acting

Size	106	180	240	360	480	720	960	1,440	1,920
Pneumatic connection	G1/8				G1/4				
Shaft connection depth	19.3 mm	24.8 mm		24.3 mm	29.5 mm		38.5 mm		48.5 mm
Design	Scotch yoke system								
Mode of operation	Double-acting								
Mounting position	optional								
Position detection	Without								
Cushioning	No cushioning								
Swivel angle	92 deg								
Closing direction	Closes to the right								
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	3.85 l	8.4 l	11.55 l	16.1 l	22.4 l	32.2 l	42.35 l	67.9 l	90.3 l

Operating and environmental conditions quarter turn actuators DAPS with handwheel, double-acting

Size	106	180	240	360	480	720	960	1,440	1,920
Nominal operating pressure	5.6 bar								
Nominal operating pressure	0.56 MPa								
Operating pressure ¹⁾	0.1 ... 0.84 MPa								
Operating pressure	1 ... 8.4 bar								
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]								
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)								
Corrosion resistance class CRC ²⁾	2 - Moderate corrosion stress								
Fitting connection conforms to standard	ISO 5211								
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)								
Safety Integrity Level (SIL)	Up to SIL 2 High Demand mode, To SIL 2 Low Demand mode								
Certificate issuing authority	German Technical Control Board North (TÜV Nord) 212170801								

1) Operating pressure for variant T6 3...8.4 bar

2) Corrosion resistance class CRC 3 to Festo standard FN 940070 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial atmosphere.

Datasheet

Temperatures quarter turn actuators DAPS with handwheel, double-acting

Temperature range	Standard []	-50°C ... +60°C [T6]
Ambient temperature	-20 ... 80°C	-50 ... 60°C

ATEX quarter turn actuators DAPS with handwheel, double-acting

Temperature range	Standard []	-50°C ... +60°C [T6]
ATEX category gas	II 2G	
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb X	
ATEX category dust	II 2D	
Explosion ignition protection type for dust	Ex h IIIC T85°C...T200°C Db X	
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C	-50°C ≤ Ta ≤ +60°C
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)	
UKCA marking (see declaration of conformity)	To UK EX instructions	

Materials of quarter turn actuators DAPS with handwheel, double-acting

Temperature range	Standard []	-50°C ... +60°C [T6]
Material housing	Wrought aluminium alloy	
Material cover	Wrought aluminium alloy	
Material shaft	High-alloy steel	
Material number shaft	1.4305	
Material screws	High-alloy steel	
Material seals	FPM, NBR, PUR	FVMQ, PTFE reinforced
Note on materials	RoHS-compliant	

General technical data for quarter turn actuators DAPS with handwheel, single-acting

Size	53	90	120	180	240	360	480	720	960
Pneumatic connection	G1/8				G1/4				
Shaft connection depth	19.3	24.8		24.3	29.5		38.5		48.5
Note on end-position adjusting range	One end position optionally adjustable								
Design	Scotch yoke system								
Mode of operation	Single-acting								
Mounting position	optional								
Position detection	Without								
Cushioning	No cushioning								
Swivel angle	92 deg								
Closing direction	Closes to the right								
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	2.1 l	3.85 l	5.6 l	7 l	10.5 l	14 l	19.6 l	29.4 l	41.3 l

Datasheet

Operating and environmental conditions quarter turn actuators DAPS with handwheel, single-acting

Size	53	90	120	180	240	360	480	720	960
Nominal operating pressure	5.6 bar								
Nominal operating pressure	0.56 MPa								
Operating pressure ¹⁾	0.28 ... 0.84 MPa								
Operating pressure	2.8 ... 8.4 bar								
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]								
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)								
Temperature range	Standard								
Ambient temperature	-20 ... 80°C								
Corrosion resistance class CRC ²⁾	2 - Moderate corrosion stress								
Fitting connection conforms to standard	ISO 5211								
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)								
Safety Integrity Level (SIL)	Up to SIL 2 High Demand mode, To SIL 2 Low Demand mode								
Certificate issuing authority	German Technical Control Board North (TÜV Nord) 212170801								

1) Operating pressure for variant T6 3...8.4 bar

2) Corrosion resistance class CRC 3 to Festo standard FN 940070 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial atmosphere.

ATEX quarter turn actuators DAPS with handwheel, single-acting

ATEX category gas	II 2G
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb X
ATEX category dust	II 2D
Explosion ignition protection type for dust	Ex h IIIC T85°C...T200°C Db X
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions

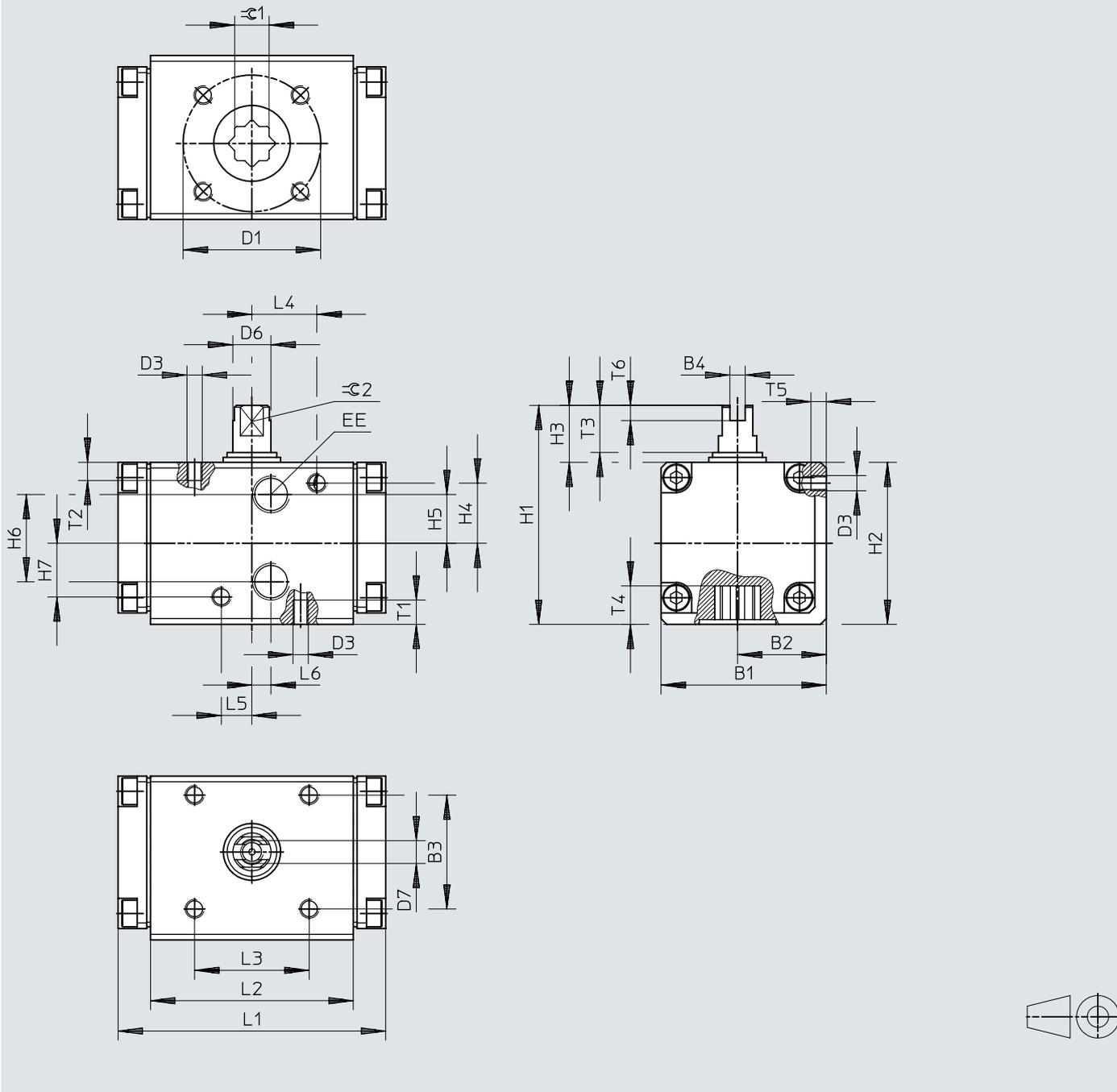
Materials of quarter turn actuators DAPS with handwheel, single-acting

Material housing	Wrought aluminium alloy
Material cover	Wrought aluminium alloy
Material shaft	High-alloy steel
Material number shaft	1.4305
Material screws	High-alloy steel
Material seals	FPM, NBR, PUR
Note on materials	RoHS-compliant

Dimensions

Dimensions – Size 0008, double-acting

Download CAD data www.festo.com

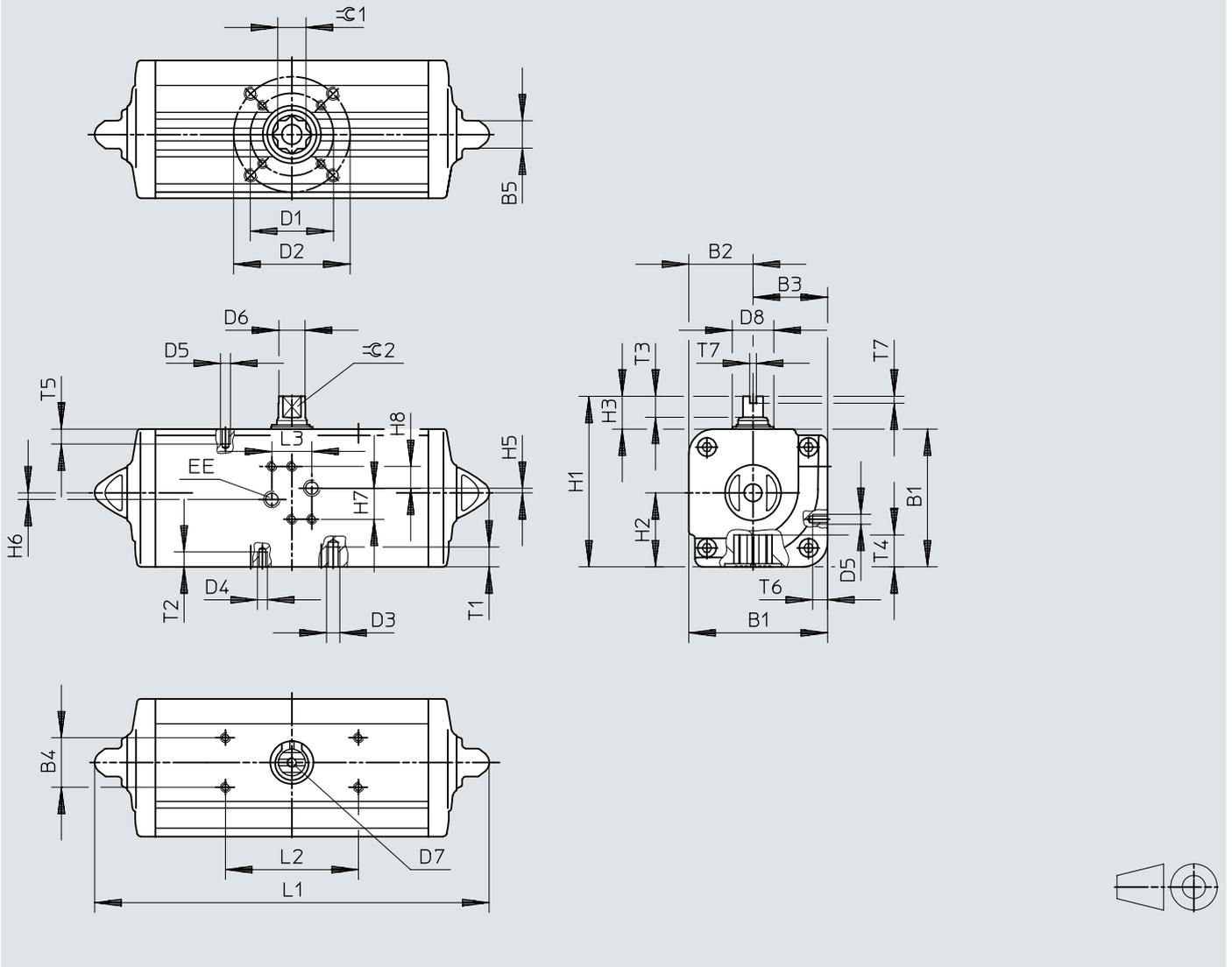


	B1	B2	B3	B4 +0,1	D1 ∅	D3	D6 ∅	D7	EE	H1	H2	H3	H4	H5	H6
DAPS-0008-...	43,2	23,2	30	4	36	M5	10	M6	G1/8	57,7	42,7	15	14,5	11,5	23
	H7	L1	L2	L3	L4	L5	L6	T1	T2	T3	T4	T5	T6 +0,5	$\varnothing 1$ H11	$\varnothing 2$ h11
DAPS-0008-...	15,5	70	53	30	17	8	5	8	6	12,4	10,1	5	4,5	9	8

Dimensions

Dimensions – Size 0015-090-...-T4, double-acting

Download CAD data www.festo.com



Dimensions

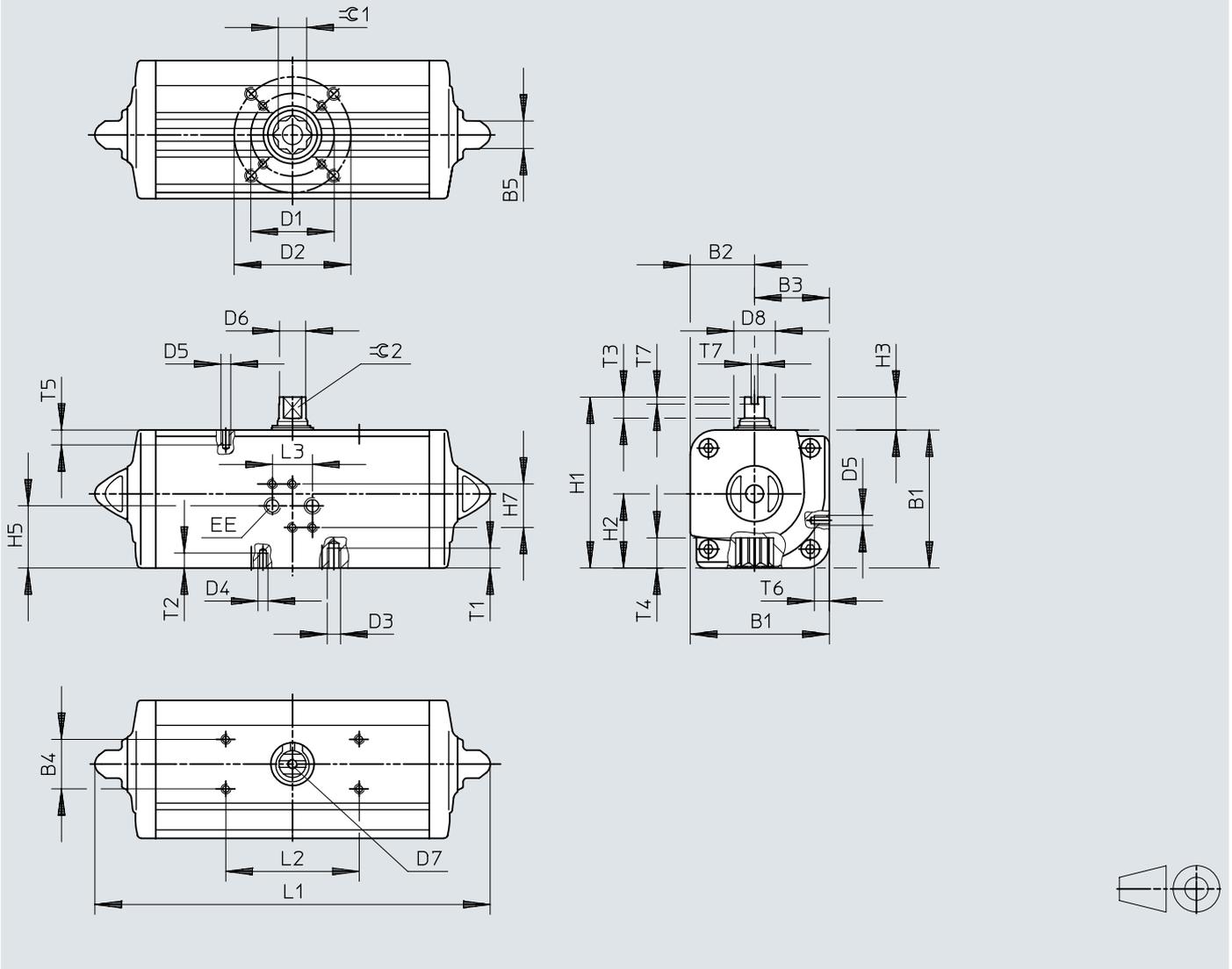
	B1	B2	B3	B4	B5	D1 ∅ ±0,1	D2 ∅ ±0,1	D3	D4	D5	D6 ∅	D7	D8 ∅	EE	H1	H2	H3			
DAPS-0015-...-F03	52,2	24,2	28	30	13	36	–	–	M5	M5	9,2	M6	17	G1/8	72,2	28	20			
DAPS-0015-...-F04					–	42	–	–	M5									10,9	19	79,2
DAPS-0030-...-F0305	59,2	27,7	31,5		13	36	50	M6	M5		14,5		24		26	31	36	90,4	37,7	20
DAPS-0030-...-F04					–	42	–	–	M5											
DAPS-0060-...-F04	70,4	32,7	37,7		13	42	–	–	M5		20,2		26		31	36	137,5	56,5	30	
DAPS-0060-...-F0507					–	50	70	M8	M6											22,5
DAPS-0106-...-F0507	83,3	38,5	44,8		17	50	70	M8	M6		25,5		41		148	62	30			
DAPS-0180-...-F0710	107,5	51	56,5		22	70	102	M10	M8											
DAPS-0240-...-F0710	111,1	51	60,1		22	70	102	M10	M8											
DAPS-0360-...-F0710	118	56	62		22	70	102	M10	M8											

	H5	H6	H7	H8	L1 ±2	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					174			9	8	10	13,2						11
DAPS-0030-...-F0305	0,8	3,2			–			8	13	16,5	14				10		
DAPS-0030-...-F04					–			4	12	9						17	12
DAPS-0060-...-F04	–	4			198			8	12	9	13				19,3	22	15
DAPS-0060-...-F0507	–	4			237,1			15	12	16	24,8				22	15	
DAPS-0106-...-F0507	–	4			289,9			15	12	17	24,8				22	15	
DAPS-0180-...-F0710	–	4			313,6			15	12	19	24,3				22	19	
DAPS-0240-...-F0710	–	4			339,3			15	12	19	24,3				22	19	

Dimensions

Dimensions – Size 0015 ... 1920, double-acting

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Dimensions

	B1	B2	B3	B4	B5	D1 ∅ ±0,1	D2 ∅ ±0,1	D3	D4	D5	D6 ∅	D7	EE	H1	H2					
DAPS-0015-...-F03	52,2	24,2	28	30	13	36	-	-	M5	M5	9,2	M6	G1/8	72,2	28					
DAPS-0015-...-F04						42			M5											
DAPS-0030-...-F0305	59,2	27,7	31,5		13	36	50	M6	M5		10,9			14,5	16,2	20,2	22,5	25,5	79,2	31,5
DAPS-0030-...-F04						42	-	-	M5											
DAPS-0060-...-F04	70,4	32,7	37,7		13	42	-	-	M5		M6			16,2	20,2	22,5	25,5	90,4	37,7	
DAPS-0060-...-F0507						50	70	M8	M6											
DAPS-0106-...-F0507	83,3	38,5	44,8		17	50	70	M8	M6		103,3			44,8						
DAPS-0180-...-F0710	107,5	51	56,5		22	70	102	M10	M8		137,5			56,5						
DAPS-0240-...-F0710	111,1	51	60,1		22	70	102	M10	M8		141,1			60,1						
DAPS-0360-...-F0710	118	56	62		22	70	102	M10	M8		148			62						

	H3	H5	H7	L1 ±2	L2	L3	T1	T2	T3	T4	T5	T6	T7	≈C 1	≈C 2
DAPS-0015-...-F03	20	28,8	32	159	80	24	-	8	10	13,2	6	7	4	11	8
DAPS-0015-...-F04								8							
DAPS-0030-...-F0305	20	32,3		174			9	8	10	13,2				11	9
DAPS-0030-...-F04															
DAPS-0060-...-F04	20	37,7		198			12	9	13	16,5				14	10
DAPS-0060-...-F0507															
DAPS-0106-...-F0507	20	44,8		237,1			12	9	13	19,3				17	12
DAPS-0180-...-F0710	30	56,5		289,9			15	12	16	24,8				22	15
DAPS-0240-...-F0710	30	60,1		313,6			15	12	17	24,8				22	15
DAPS-0360-...-F0710	30	62		339,3			15	12	19	24,3				22	19

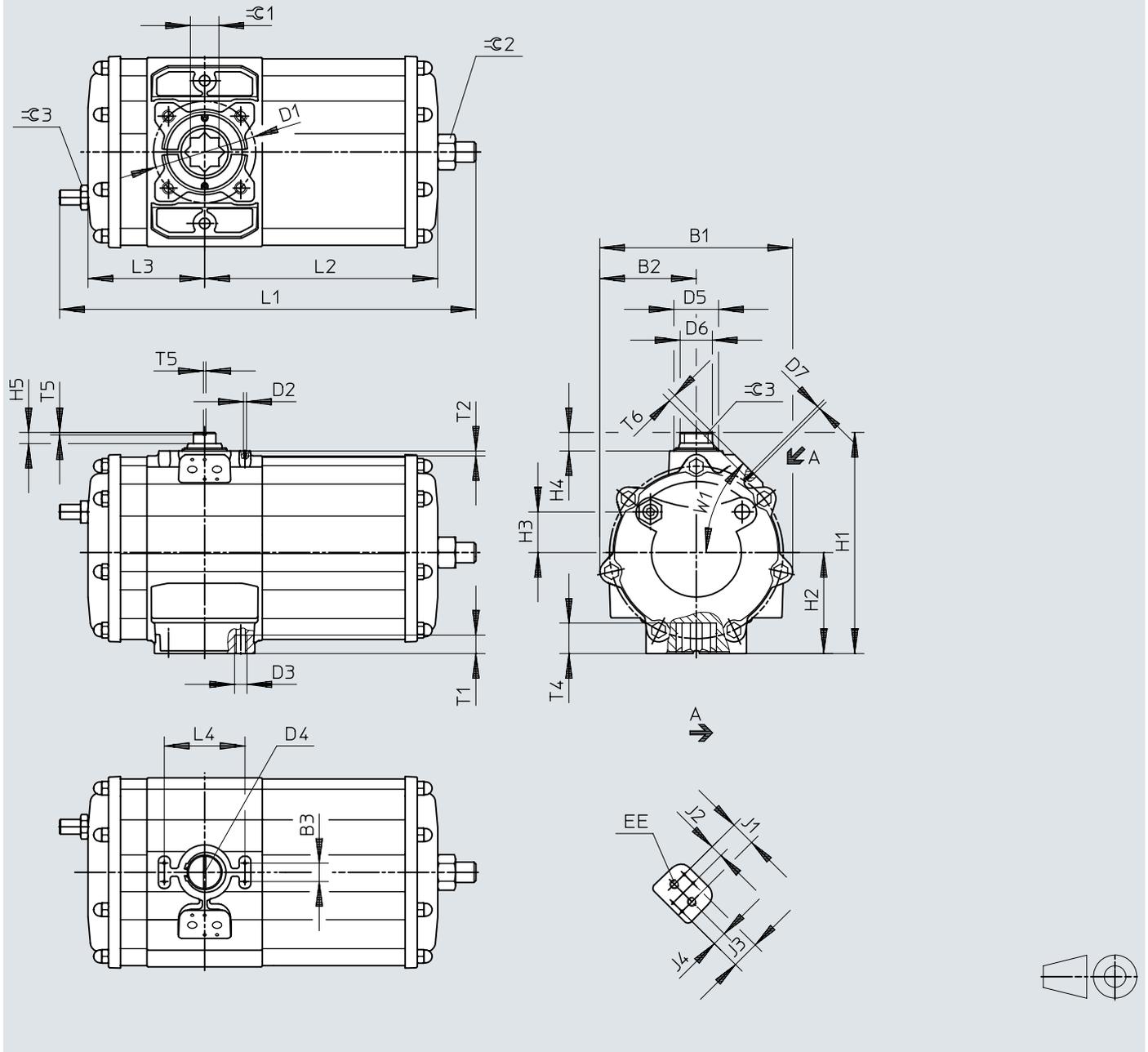
	B1	B2	B3	B4	B5	D1 ∅ ±0,1	D2 ∅ ±0,1	D3	D4	D5	D6 ∅	D7	EE	H1	H2
DAPS-0480-...-F1012	134,9	62	72,9	30	27	102	125	M12	M10	M5	29	M6	G1/4	164,9	72,9
DAPS-0720-...-F1012	148	69,5	78,5		27	102	125	M12	M10		31,8			178	78,5
DAPS-0960-...-F12	168	74,5	93,5		27	102	125	M12	M10		36,5			198	93,5
DAPS-0960-...-F14					-	-	M16								
DAPS-1440-...-F12	186	84,5	101,5		36	125	-	-	M12		41			216	101,5
DAPS-1440-...-F14					36	140	M16								
DAPS-1920-...-F14	207,7	93	114,7		36	140	-	-	M16		46			237,7	114,7
DAPS-1920-...-F1216					36	125	165	M20	M12						

	H3	H5	H7	L1	L2	L3	T1	T2	T3	T4	T5	T6	T7	≈C 1	≈C 2
DAPS-0480-...-F1012	30	57,4	32	387,7	80	24	18	15	19	29,5	6	7	4	27	19
DAPS-0720-...-F1012		61,5		433			18	15	19,5	29,5				27	22
DAPS-0960-...-F12		78		479,4			18	15	19,5	38,5				36	24
DAPS-0960-...-F14							-	24							
DAPS-1440-...-F12		86,5		567			18	15	19,5	38,5				36	27
DAPS-1440-...-F14							-	24							
DAPS-1920-...-F14		99,2		601			18	15	19,5	38,5				36	27
DAPS-1920-...-F1216							30	18	18,5	48,5				46	32

Dimensions

Dimensions – Size 2880, double-acting

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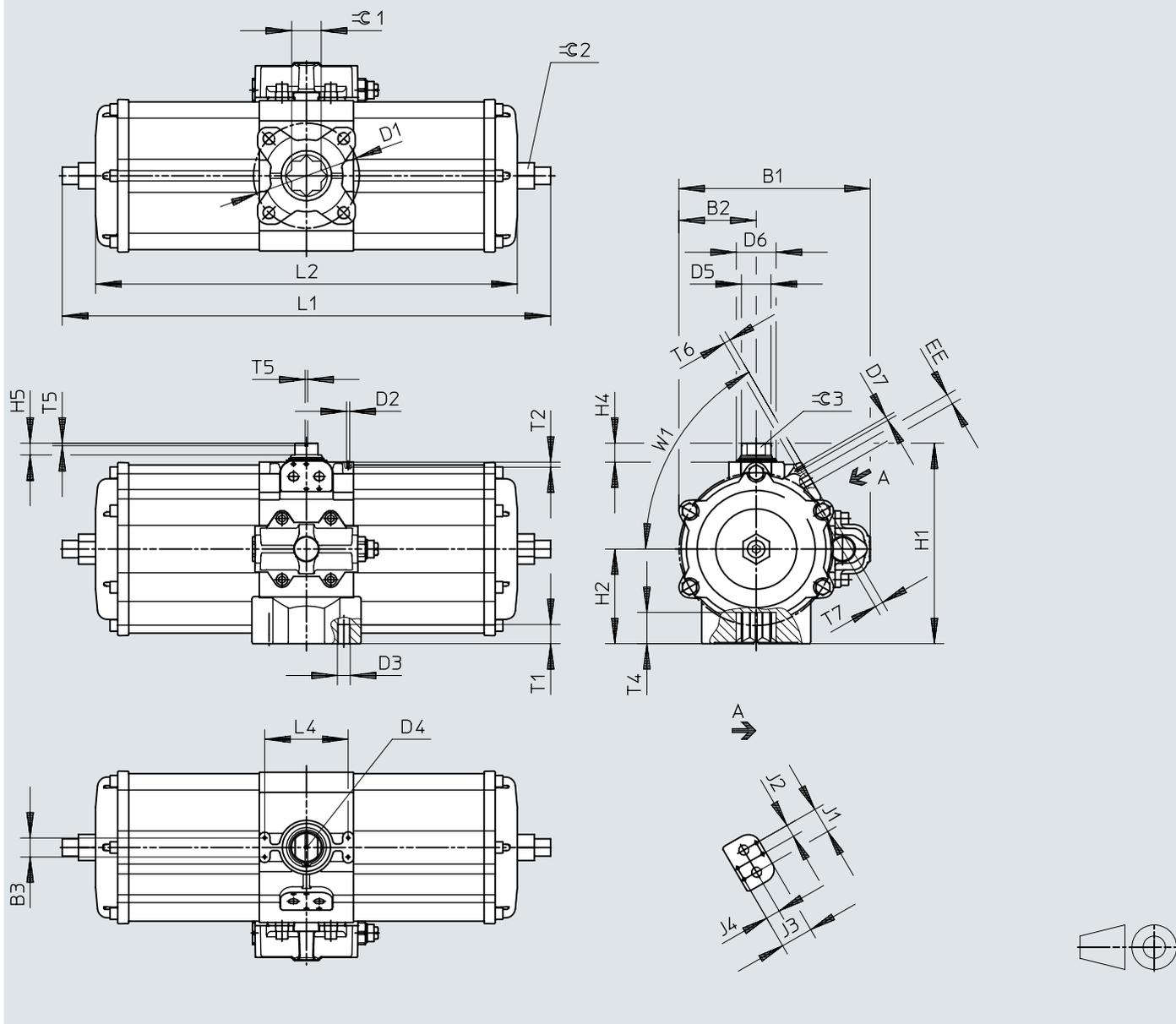
	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H3	H4	H5	J1
DAPS-2880-...	311	155	30	165	M5	M20	M6	75	52	M6	G3/8	359	164	66	30	18	40

	J2	J3	J4	L1 ±2	L2	L3	L4	T1	T2	T4 ±0,8	T5	T6	W1	∅1	∅2	∅3
DAPS-2880-...	20	45	22,5	667	372	188	130	30	8	49,5	4	10	45°	46	50	36

Dimensions

Dimensions – Size 3840, double-acting

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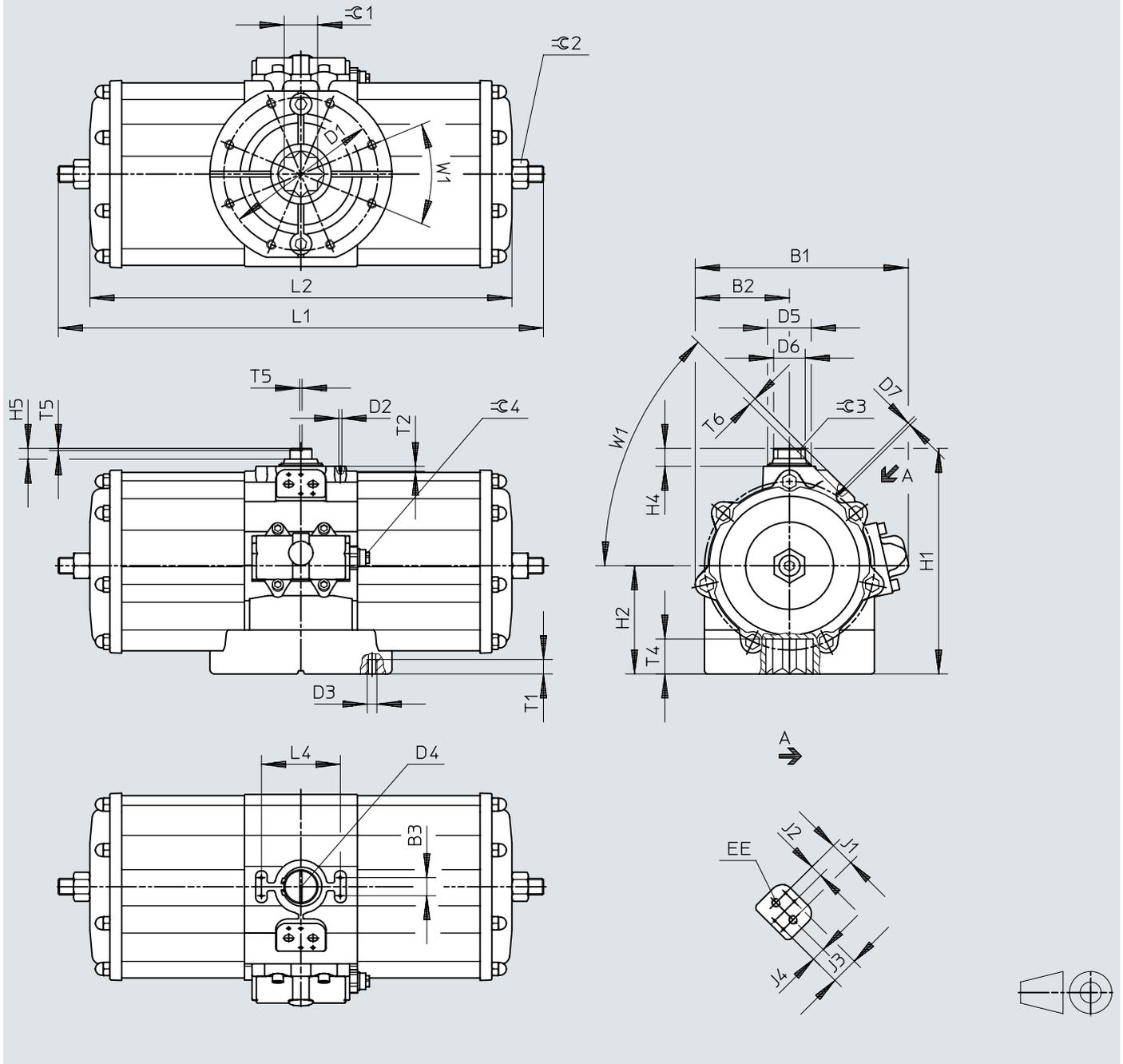


	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H4	H5	J1
DAPS-3840-...	298	120	30	165	M5	M20	M6	46	64	M6	G3/8	314	148,5	30	18,5	40
	J2	J3	J4	L1 ±2	L2	L4	T1	T2	T4 ±1	T5	T6	T7	W1	≈C 1	≈C 2	≈C 3
DAPS-3840-...	20	45	22,5	765	614	130	30	8	49	4	10	13	60°	46	24	32

Dimensions

Dimensions – Size 5760, double-acting

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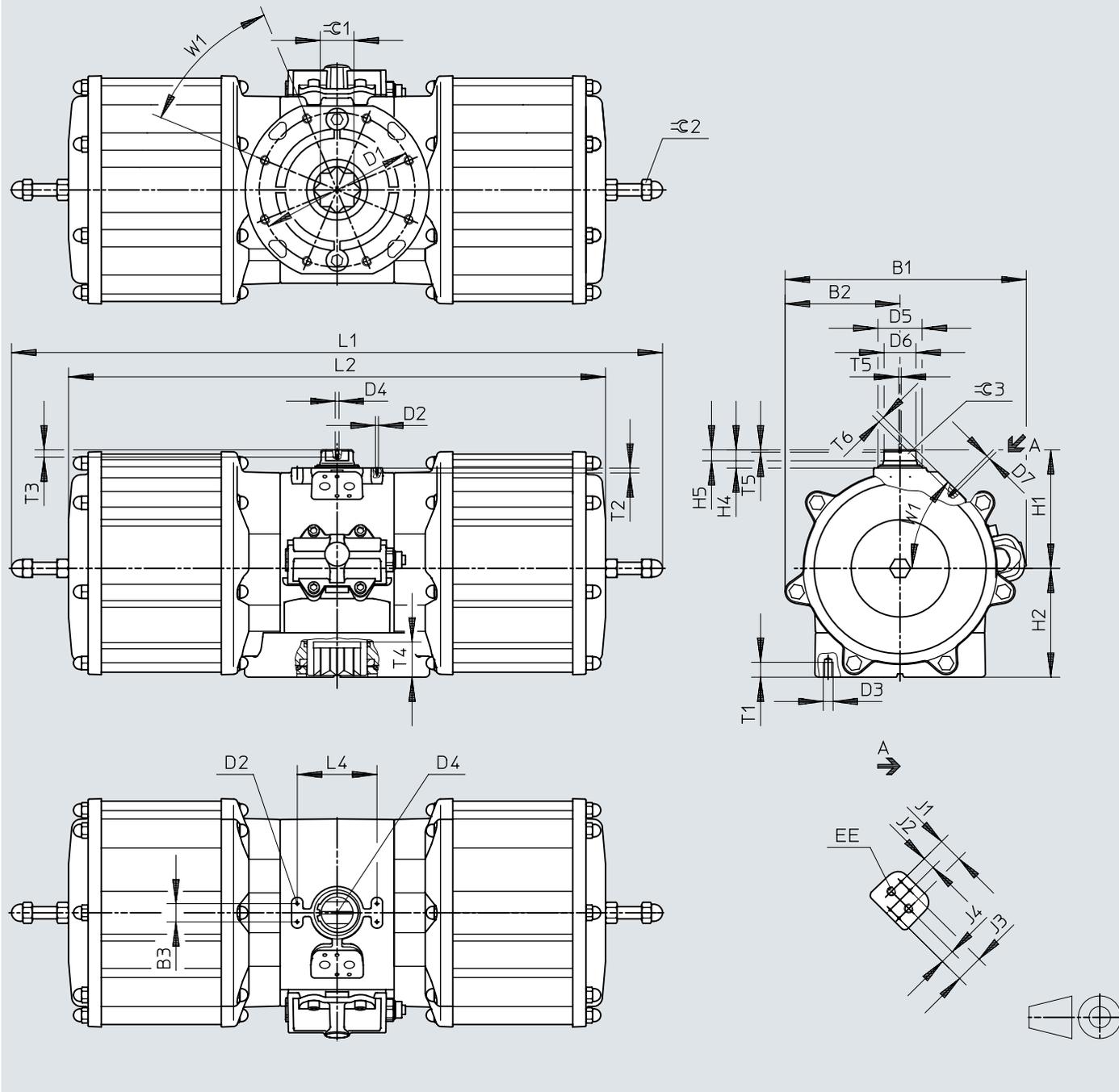


	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H4 H8	H5 ±	J1
DAPS-5760-...	361	155	30	254	M5	M16	M6	75	52	M6	G3/8	374	179	30	18	40
	J2	J3	J4	L1 ±2	L2	L4	T1	T2	T4 ±0,8	T5	T6	W1	∅ 1	∅ 2	∅ 3	∅ 4
DAPS-5760-...	20	45	22,5	885	744	130	24	8	58	4	10	45°	55	50	36	15

Dimensions

Dimensions – Size 8000, double-acting

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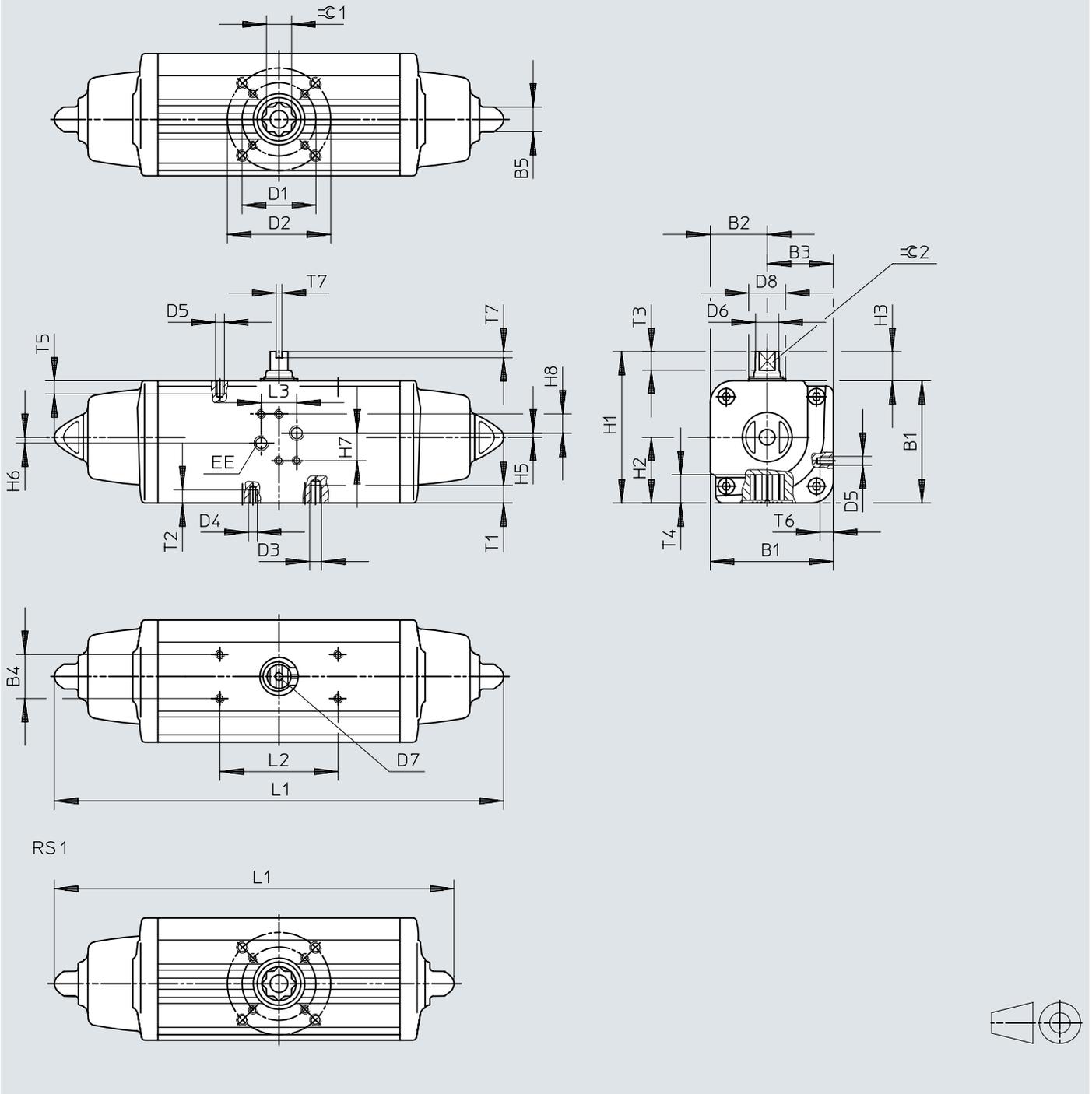


	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H4	H5	J1
DAPS-8000-...	394	188	30	254	M5	M16	M6	75	52	M6	G3/8	195	179	30	18	40
	J2	J3	J4	L1	L2	L4	T1	T2	T3	T4	T5	T6	W1	≈C1	≈C2	≈C3
DAPS-8000-...	20	45	22,5	1044	877	130	24	8	12	58	4	10	45°	55	30	36

Dimensions

Dimensions – Size 0015-090-...-T4, single-acting RS1

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Dimensions

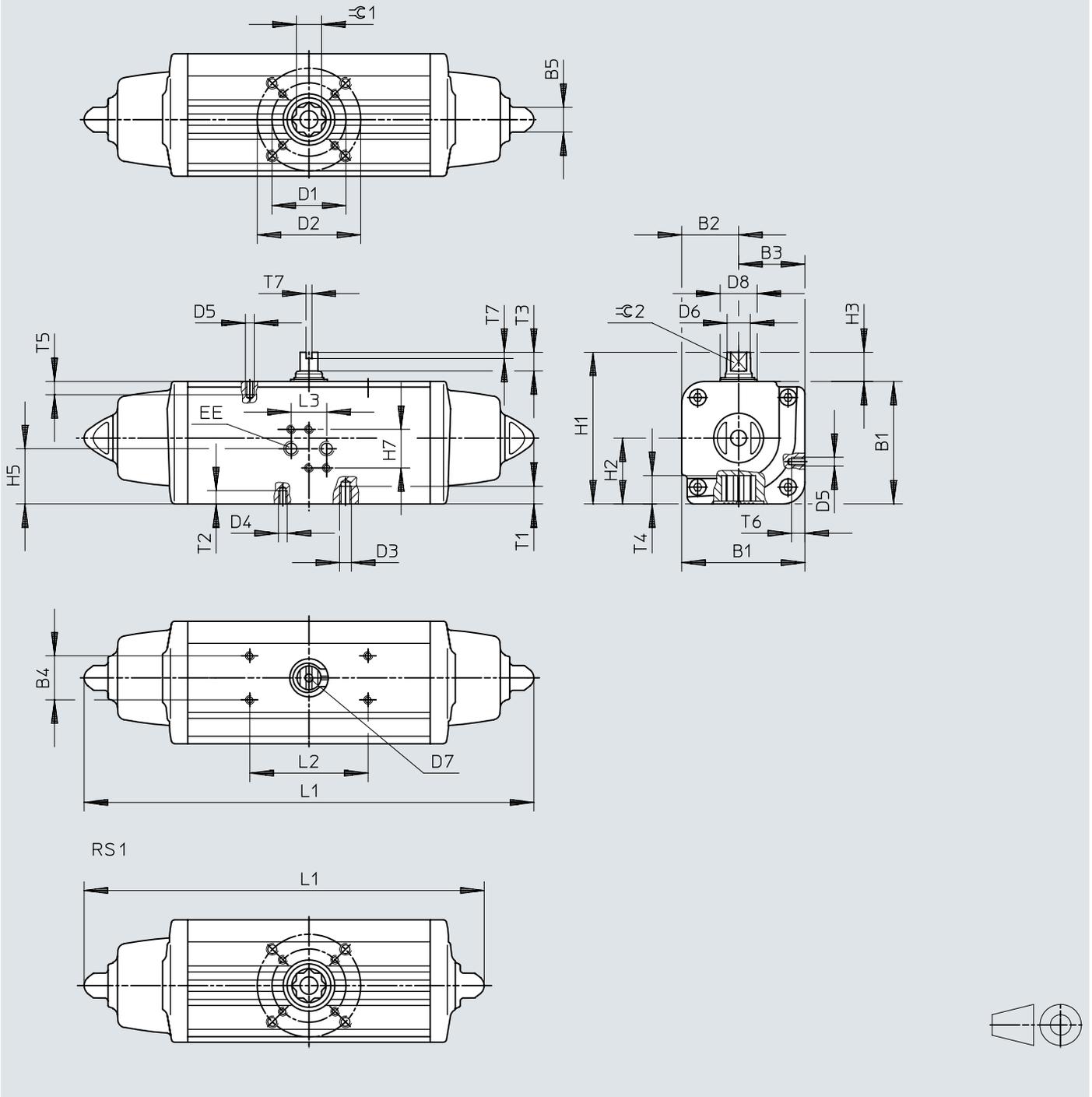
	B1	B2	B3	B4	B5	D1 ∅ ±0,1	D2 ∅ ±0,1	D3	D4	D5	D6 ∅	D7	EE	H1	H2	H3	H5
DAPS-0015-...-F0305	59,2	27,7	31,5	30	13	36	50	M6	M5	M5	10,9	M6	G1/8	79,2	31,5	20	0,8
DAPS-0015-...-F04						42	-	-									
DAPS-0030-...-F04	70,4	32,7	37,7		13	42	-	-	M5		14,5			90,4	37,7	20	-
DAPS-0030-...-F0507						50	70	M8	M6		16,2			103,3	44,8	20	-
DAPS-0053-...-F0507	83,3	38,5	44,8		17	50	70	M8	M6		20,2			137,5	56,5	30	-
DAPS-0090-...-F0710	107,5	51	56,5		22	70	102	M10	M8		22,5			141,1	60,1	30	-
DAPS-0120-...-F0710	111,1	51	60,1		22	70	102	M10	M8		25,5			148	62	30	-
DAPS-0180-...-F0710	118	56	62		22	70	102	M10	M8								

	H6	H7	H8	L1		L2	L3	T1	T2	T3	T4	T5	T6	T7	≈C 1	≈C 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				270,7	304,3			12	9	13	19,3				17	12
DAPS-0053-...-F0507	4			341,8	393,7			12	9	13	19,3				17	12
DAPS-0090-...-F0710	4			361,6	409,6			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

Dimensions

Dimensions – Size 0015 ... 0960, single-acting RS1

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Dimensions

	B1	B2	B3	B4	B5	D1 ∅ ±0,1	D2 ∅ ±0,1	D3	D4	D5	D6 ∅	D7	EE	H1	H2	H3
DAPS-0015-...-F0305	59,2	27,7	31,5	30	13	36	50	M6	M5	M5	10,9	M6	G1/8	79,2	31,5	20
DAPS-0015-...-F04						42	-	-								
DAPS-0030-...-F04	70,4	32,7	37,7		13	42	-	-	M5							
DAPS-0030-...-F0507						50	70	M8	M6		14,5					
DAPS-0053-...-F0507	83,3	38,5	44,8		17	50	70	M8	M6		16,2					
DAPS-0090-...-F0710	107,5	51	56,5		22	70	102	M10	M8		20,2					
DAPS-0120-...-F0710	111,1	51	60,1		22	70	102	M10	M8		22,5					
DAPS-0180-...-F0710	118	56	62		22	70	102	M10	M8		25,5					
														103,3	44,8	20
														137,5	56,5	30
														141,1	60,1	30
														148	62	30

	H5	H7	L1		L2	L3	T1	T2	T3	T4	T5	T6	T7	≈E 1	≈E 2
			RS1	RS ...											
DAPS-0015-...-F0305	32,3	32	203,8	233,3	80	24	9	8	10	13,2	6	7	4	11	9
DAPS-0015-...-F04							-								
DAPS-0030-...-F04	37,7		228,5	259			12	9	13	16,5				14	10
DAPS-0030-...-F0507															
DAPS-0053-...-F0507	44,8		270,7	304,3			12	9	13	19,3				17	12
DAPS-0090-...-F0710	56,5		341,8	393,7			15	12	16	24,8				22	15
DAPS-0120-...-F0710	60,1		361,6	409,6			15	12	17	24,8				22	15
DAPS-0180-...-F0710	62		406,6	474			15	12	19	24,3				22	19

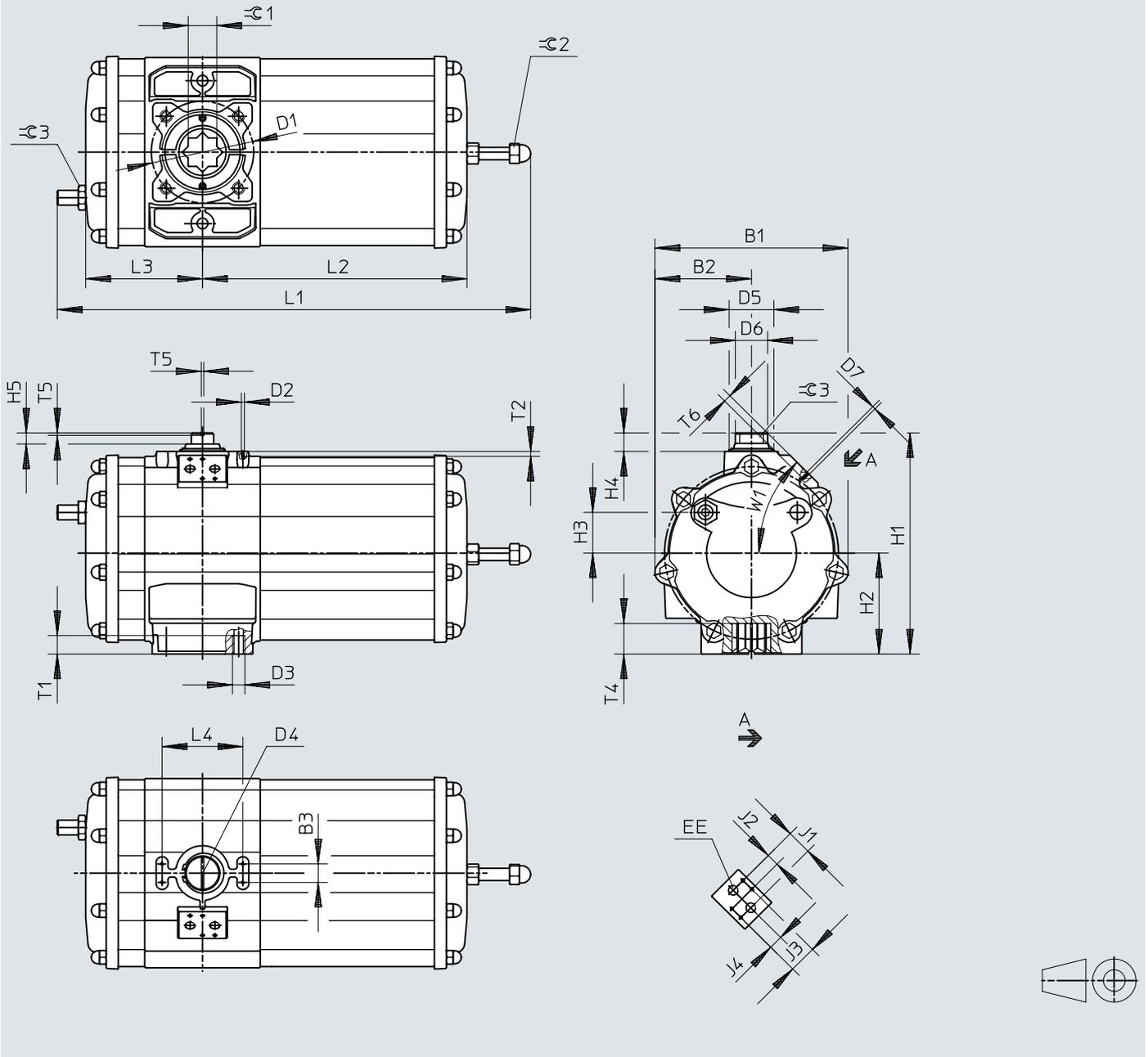
	B1	B2	B3	B4	B5	D1 ∅	D2 ∅	D3	D4	D5	D6 ∅	D7	EE	H1	H2	H3
DAPS-0240-...-F1012	134,9	62	72,9	30	27	102	125	M12	M10	M5	29	M6	G1/4	164,9	72,9	30
DAPS-0360-...-F1012	148	69,5	78,5		27	102	125	M12	M10		31,8					
DAPS-0480-...-F1012	168	74,5	93,5		27	102	125	M12	M10		36,5					
DAPS-0480-...-F14					140	-	-	M16								
DAPS-0720-...-F12	186	84,5	101,5		36	125	-	-	M12		41					
DAPS-0720-...-F14					140	-	-	M16								
DAPS-0960-...-F14	207,7	93	114,7		36	140	-	-	M16		46					
DAPS-0960-...-F1216					125	165	M20	M12								

	H5	H7	L1		L2	L3	T1	T2	T3	T4	T5	T6	T7	≈E1	≈E2
			RS1	RS...											
DAPS-0240-...-F1012	57,4	32	454	520,5	80	24	18	15	19	29,5	6	7	4	27	19
DAPS-0360-...-F1012	61,5		523	613			18	15	19,5	29,5				27	22
DAPS-0480-...-F1012	78		563,8	648,2			18	15	19,5	38,5				36	24
DAPS-0480-...-F14							-	24							
DAPS-0720-...-F12	86,5		683	798			-	18	19,5	38,5				36	27
DAPS-0720-...-F14							-	24							
DAPS-0960-...-F14	99,2		714,4	828			-	24	18,5	48,5				46	32
DAPS-0960-...-F1216							30	18							

Dimensions

Dimensions – Size 1440, single-acting

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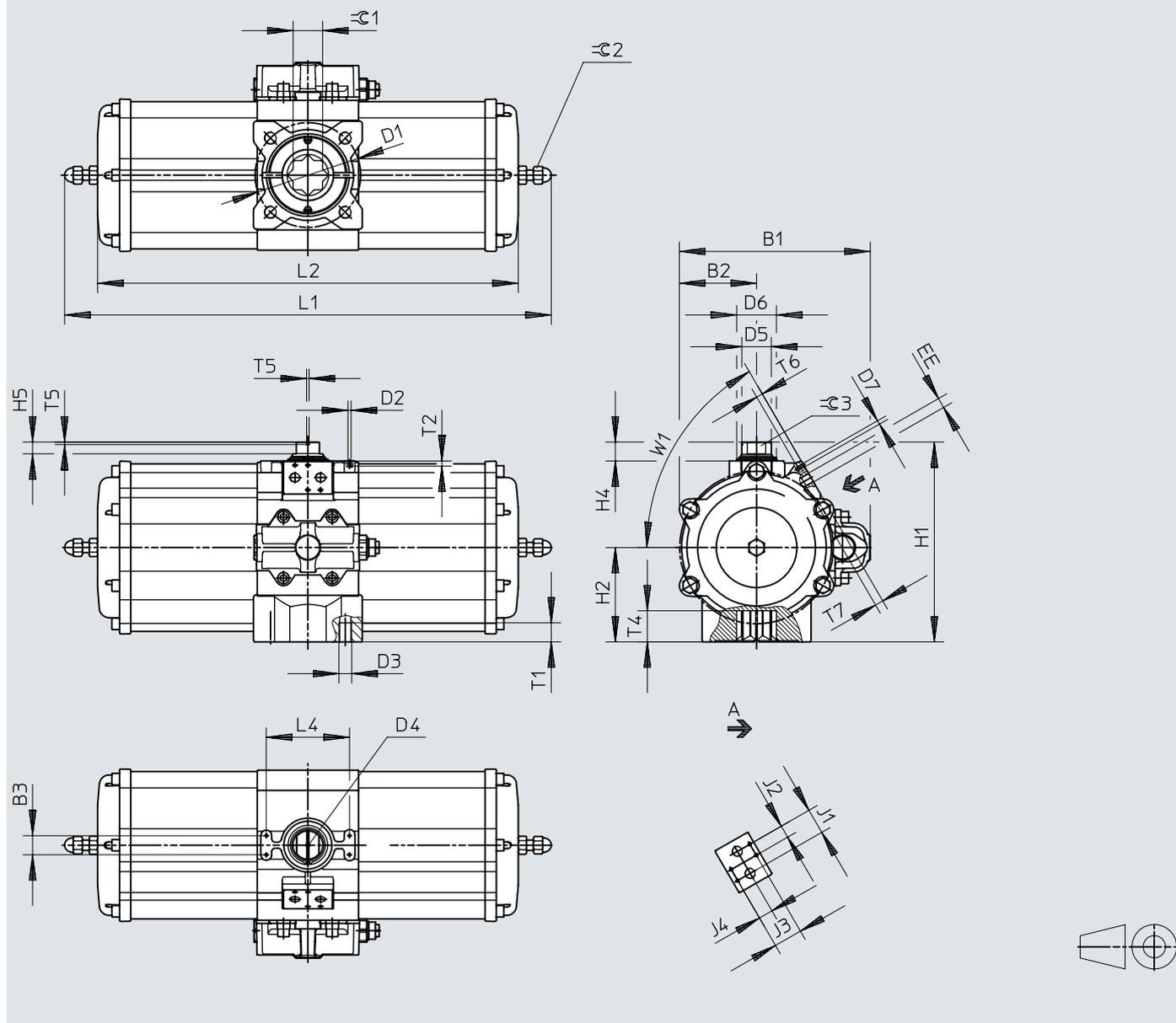


	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H3	H4	H5	J1
DAPS-1440-...	311	155	30	165	M5	M20	M6	75	52	M6	G3/8	359	164	66	30	18	40
	J2	J3	J4	L1 ±3	L2	L3	L4	T1	T2	T4 ±0,8	T5	T6	W1	≈ C1	≈ C2	≈ C3	
DAPS-1440-...	20	45	22,5	834	498	188	130	30	8	49,5	4	10	45°	46	50	36	

Dimensions

Dimensions – Size 1920, single-acting

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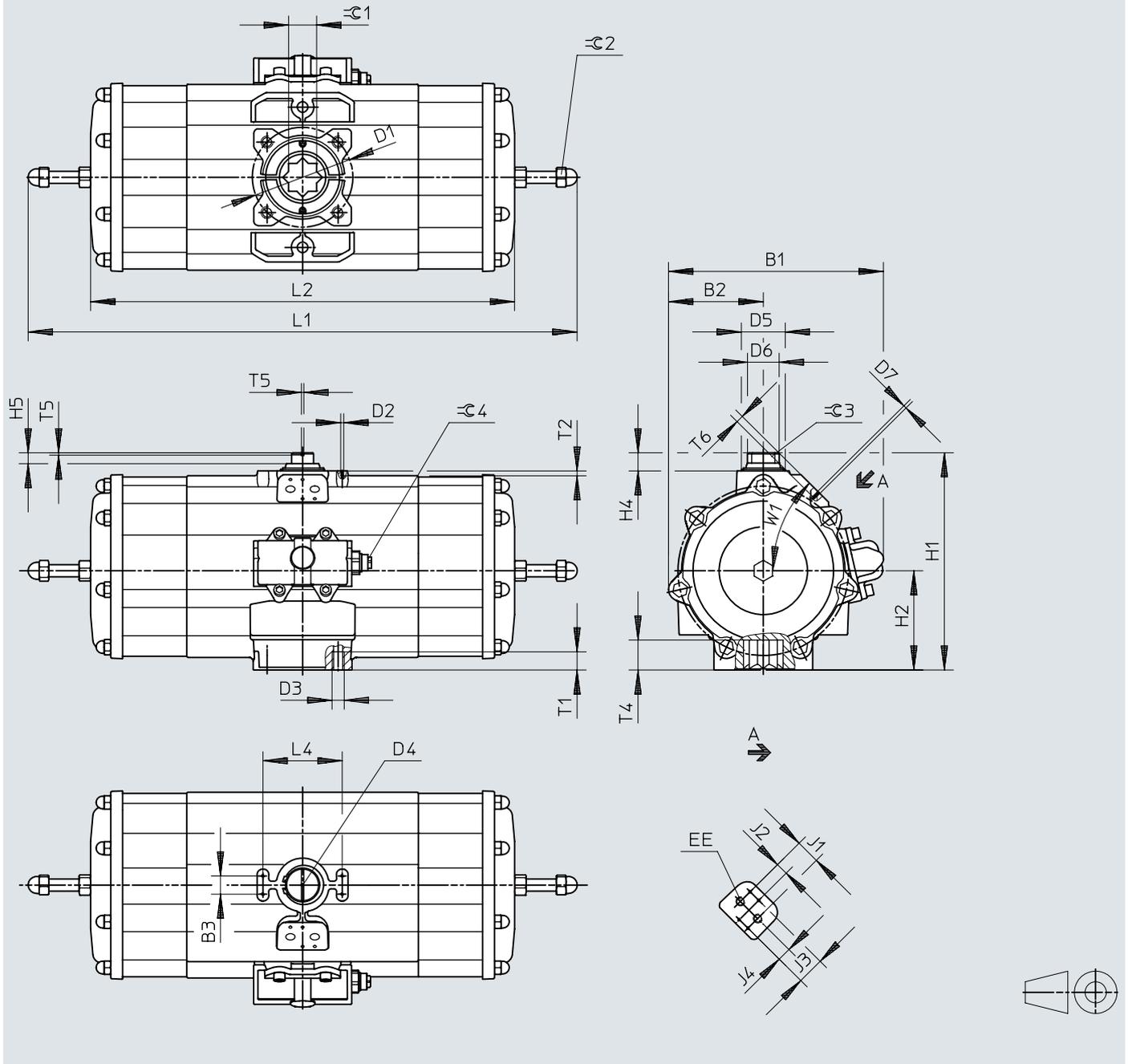


	B1	B2	B3	D1 ø	D2	D3	D4	D5 ø	D6 ø	D7	EE	H1	H2	H4	H5	J1
DAPS-1920-...	298	120	30	165	M5	M20	M6	46	64	M6	G3/8	314	148,5	30	18,5	40
	J2	J3	J4	L1 ±3	L2	L4	T1	T2	T4 ±1	T5	T6	T7	W1	≅ 1	≅ 2	≅ 3
DAPS-1920-...	20	45	22,5	1001	857	130	30	8	49	4	10	13	60°	46	24	32

Dimensions

Dimensions – Size 2880, single-acting

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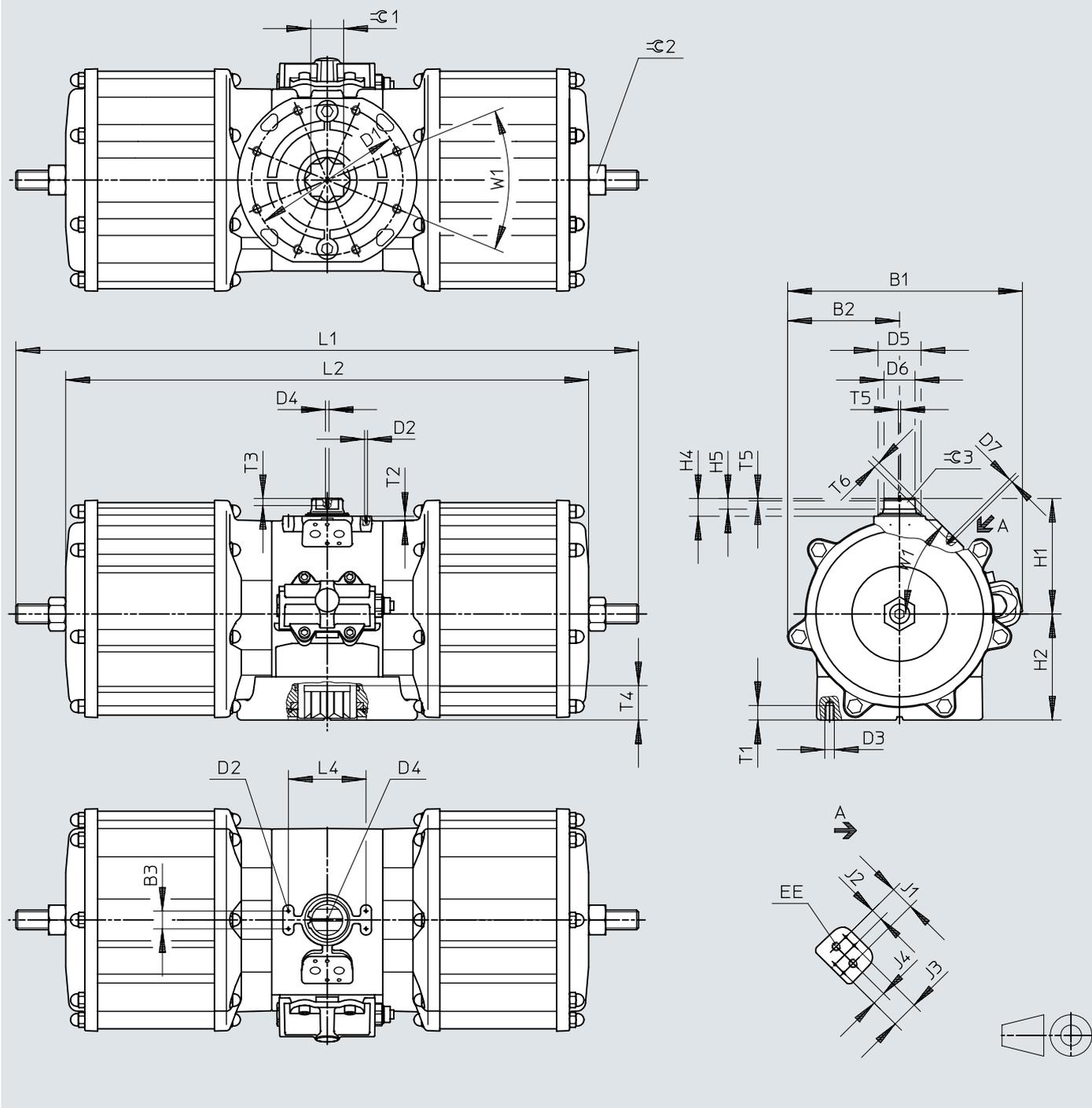


	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H4	H5	J1
DAPS-2880-...	361	155	30	165	M5	M20	M6	75	52	M6	G3/8	359	164	30	18	40
	J2	J3	J4	L1 ±3	L2	L4	T1	T2	T4 ±1	T5	T6	T7	W1	⊕ 1	⊕ 2	⊕ 3
DAPS-2880-...	20	45	22,5	1201	996	130	30	8	49,5	4	10	45°	46	30	36	15

Dimensions

Dimensions – Size 4000, single-acting

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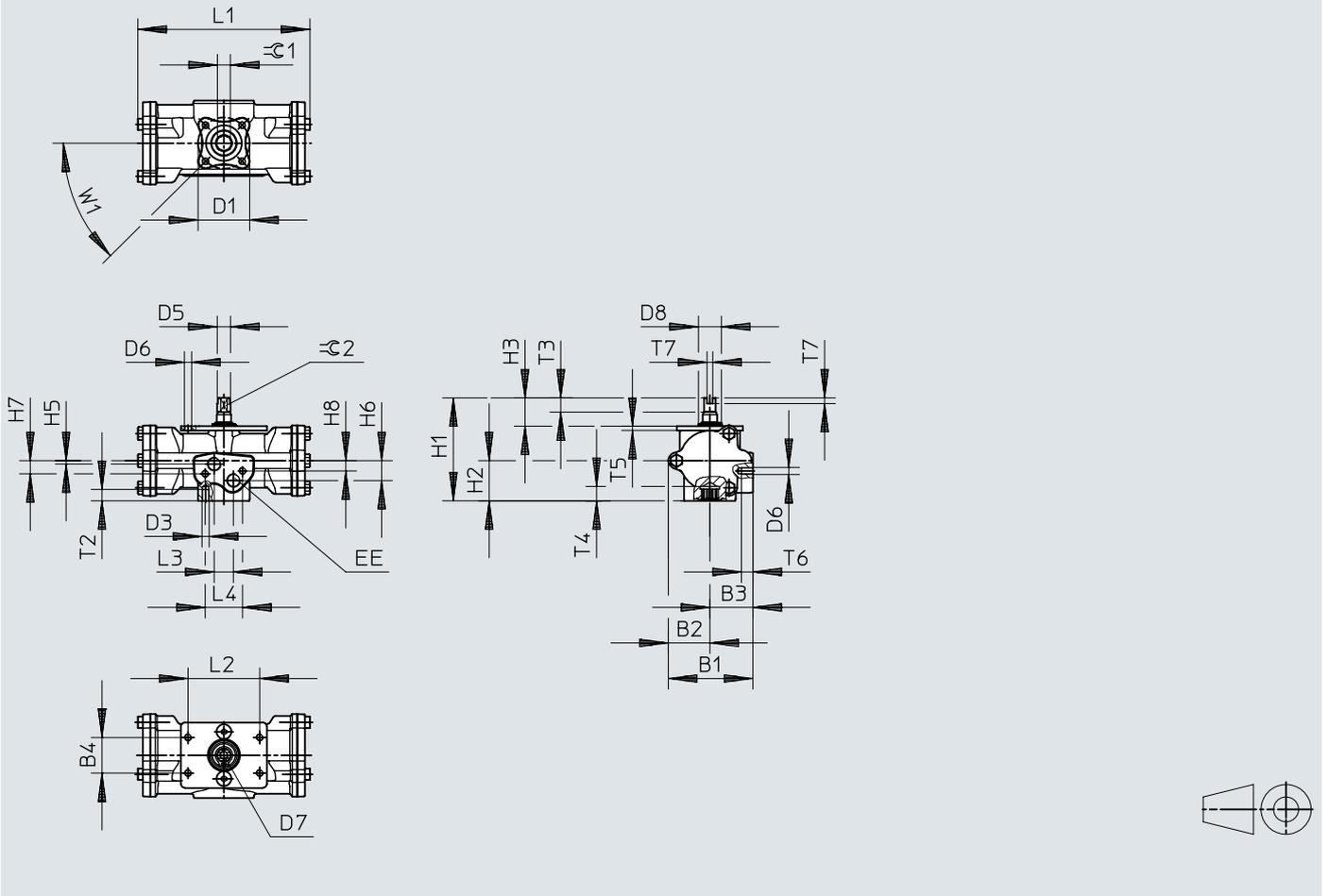


	B1	B2	B3	D1 ø	D2	D3	D4	D5 ø	D6 ø	D7	EE	H1	H2	H4	H5	J1
DAPS-4000-...	394	188	30	254	M5	M16	M6	72	52	M6	G3/8	195	179	30	18	40
	J2	J3	J4	L1 ±3	L2	L4	T1	T2	T4 ±1	T5	T6	T7	W1	≈C 1	≈C 2	≈C 3
DAPS-4000-...	20	45	22,5	1370	1184	130	24	8	12	58	4	10	45°	55	50	36

Dimensions

Dimensions – DAPS-...-090-R-F03-CR, double-acting

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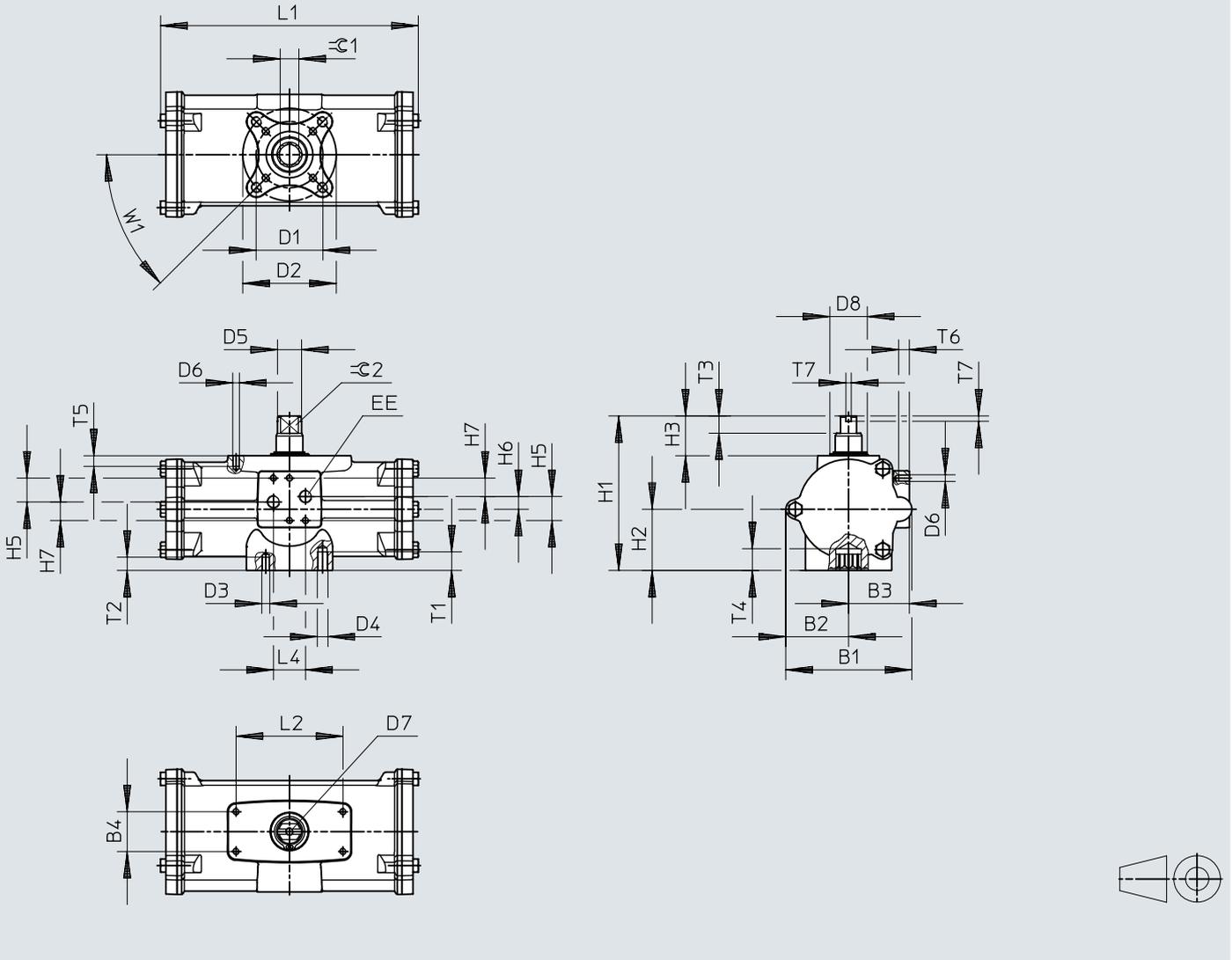
	B1	B2	B3	B4	D1 ∅	D3	D5 ∅	D6	D7	EE	H1	H2	H3	H5	H6	J1
DAPS-0015-090-R-F03-CR	59	29	30	25	36	M5	9,2	M5	M6	G1/8	72,4	28,2	20	2,4	14	
DAPS-0030-090-R-F03-CR	68,1	34,1	34	25	36	M5	10,9	M5	M6	G1/8	80,4	32,7	20	3	16	40

	H7	H8	L1 ±2	L2	L3	L4	T2	T3	T4 ±0,4	T5	T6	T7	$\text{C}1$ H11	$\text{C}2$ h11	W1	J1
DAPS-0015-090-R-F03-CR	9,2	7,2	120	50	13,4	26	8	10	10,1	3	8	4	9	8	45°	
DAPS-0030-090-R-F03-CR	10,5	8,5	134,6	50	12	26	8	10	10,2	3	8	4	9	9	45°	40

Dimensions

Dimensions – DAPS-...-090-R-...-CR, double-acting

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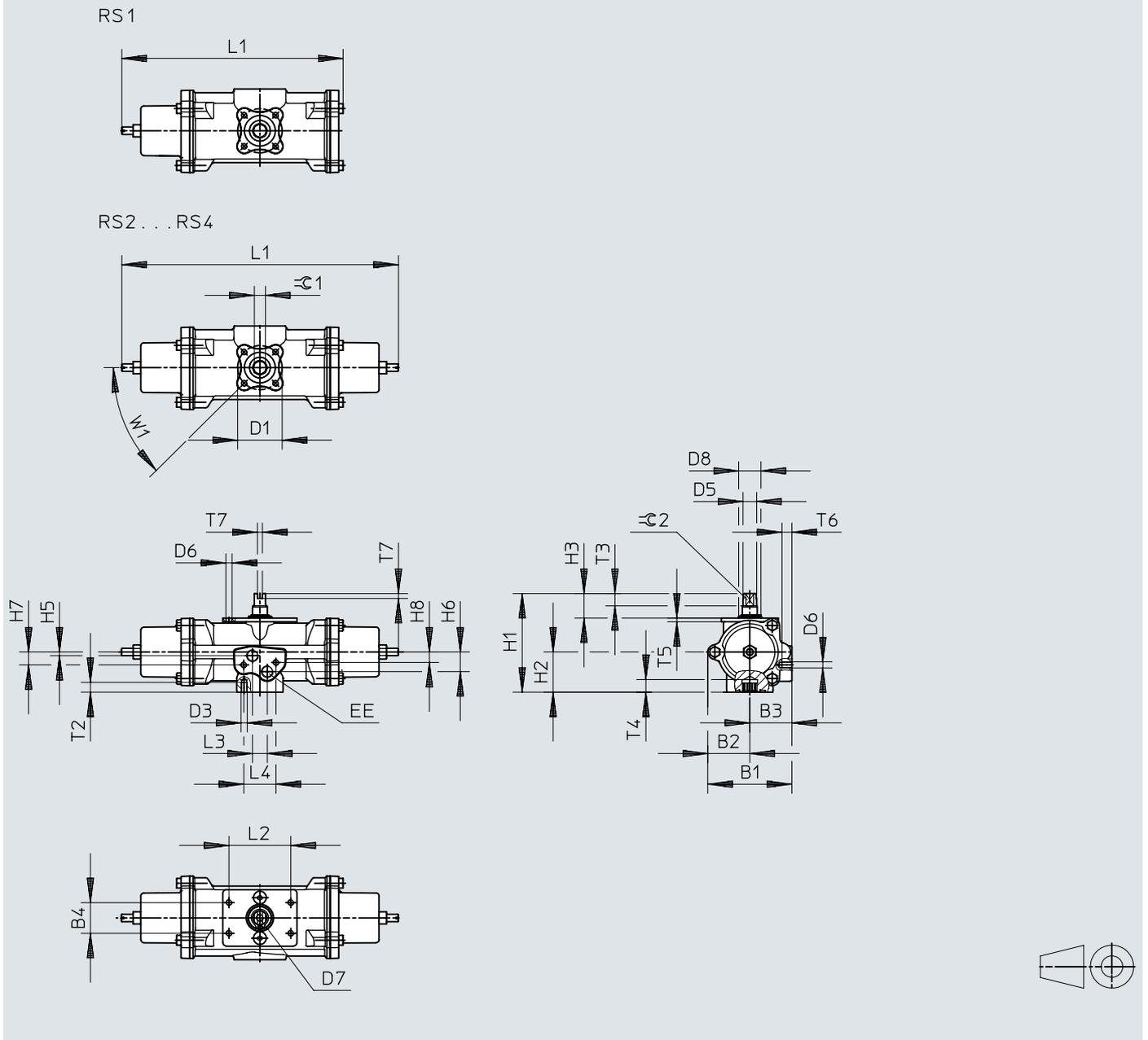
	B1	B2	B3	B4	D1 ∅ ±0,1	D2 ∅ ±0,1	D3	D4	D5 ∅	D6	D7	EE	H1	H2	H3	H5
DAPS-0060-...-R-F0305-CR	80,3	41,1	39,2	25	36	50	M5	M6	14,5	M5	M6	G1/8	92,4	37,6	20	18
DAPS-0120-...-R-F0507-CR	94,4	47	45,5	30	50	70	M6	M8	18	M5	M6	G1/8	116,5	46,1	30	18
DAPS-240-...-R-F0507-CR	117	60,2	54,5	30	50	70	M6	M8	22,5	M5	M6	G1/8	136,4	56,1	30	18
DAPS-480-...-R-F0710-CR	139,7	71	67	30	70	102	M8	M10	29	M5	M6	G1/8	160	68	30	18

	H6	H7	L1 ±2	L2	L4	T1	T2	T3	T4 ±0,4	T5	T6	T7	≙C1 H11	≙C2 h11	W1
DAPS-0060-...-R-F0305-CR	9,6	14	158,4	50	24	10	8	13	12,1	8	8	4	11	10	45°
DAPS-0120-...-R-F0507-CR	9,6	14	192,9	80	24	14	10	13	16,3	8	8	4	14	12	45°
DAPS-240-...-R-F0507-CR	10	14	246,7	80	24	14	10	17	19,3	8	8	4	17	15	45°
DAPS-480-...-R-F0710-CR	10	14	298,4	80	24	16	14	19	24,3	8	8	4	22	19	45°

Dimensions

Dimensions – DAPS-0015-090-...-F03-CR, single-acting RS1, RS2 ...RS4

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	B1	B2	B3	B4	D1	D3	D5	D6	D7	EE	H1	H2	H3	H5	H6	H7
DAPS-0015-090-RS-F03-CR	68,1	34,1	34	25	36	M5	10,9	M5	M6	G1/8	80,4	32,7	20	3	16	10,5

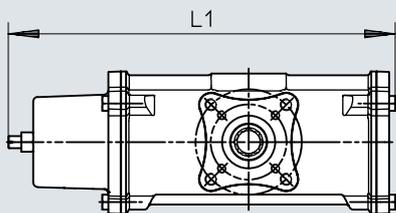
	H8	L1 ±2		L2	L3	L4	T2	T3	T4	T5	T6	T7	∅1	∅2	W1
		RS1	RS2...RS4						±0,4				H11	h11	
DAPS-0015-090-RS-F03-CR	8,5	179	224	50	12	26	8	10	10,2	3	8	4	9	9	45°

Dimensions

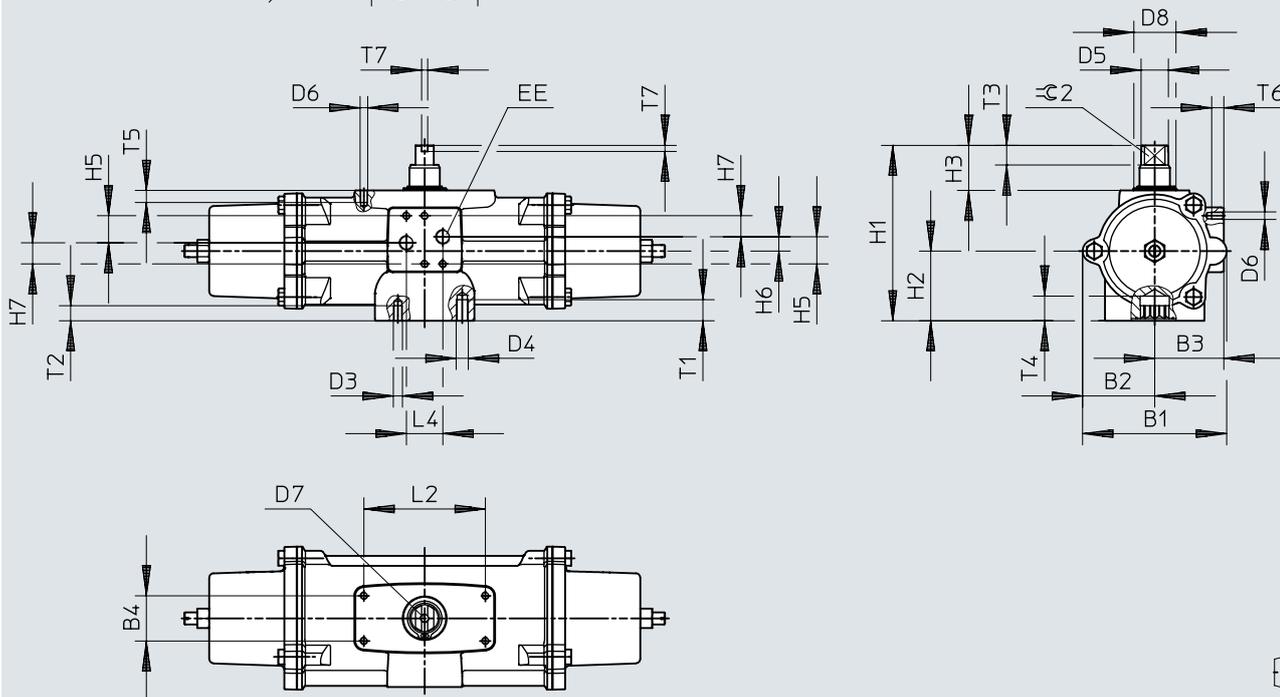
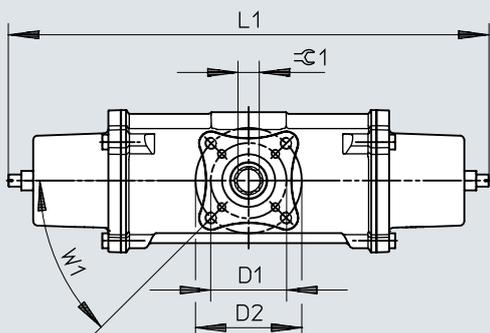
Dimensions – DAPS-...-090-...-CR, single-acting RS1, RS2 ...RS4

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RS1



RS2 ... RS4

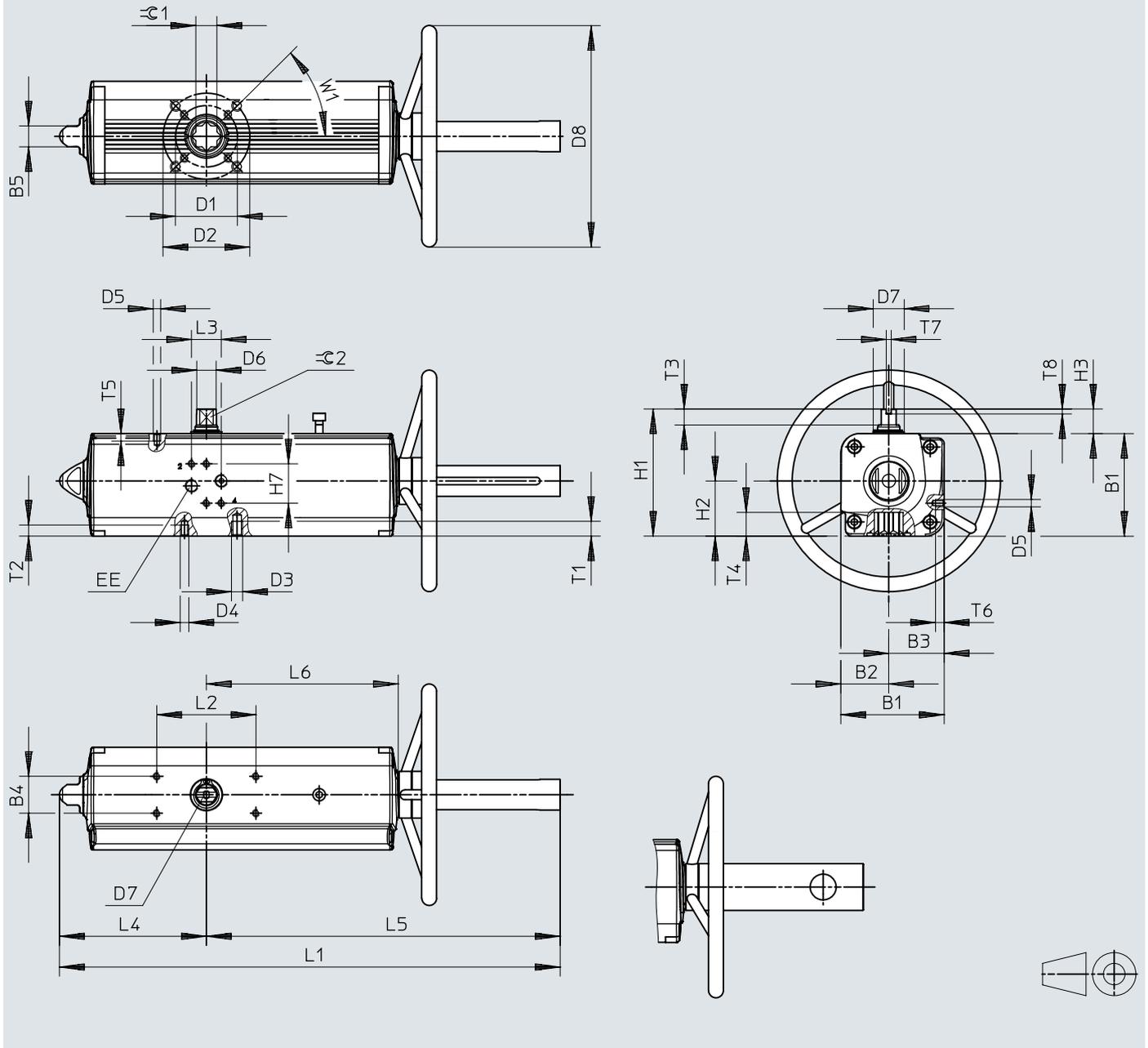


	B1	B2	B3	B4	D1 ø	D2 ø	D3	D4	D5 ø	D6	D7	EE	H1	H2	H3	H5
DAPS-0030- ... -F0305-CR	80,3	41,1	39,2	25	36	50	M5	M6	14,5	M5	M6	G1/8	92,4	37,6	20	18
DAPS-0060- ... -F0507-CR	94,4	47	45,5	30	50	70	M6	M8	18	M5	M6	G1/8	116,4	46,2	30	18
DAPS-0120- ... -F0507-CR	117	60,2	54,5	30	50	70	M6	M8	22,5	M5	M6	G1/8	136,4	56,1	30	18
DAPS-0240- ... -F0710-CR	139,7	70,9	67	30	70	102	M8	M10	29	M5	M6	G1/8	160	67,9	30	18

Dimensions

Dimensions – DAPS with handwheel, double-acting

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Dimensions

	B1 ±0,4	B2	B3	B4	B5	D1 ∅	D2 ∅	D3	D4	D5	D6 ∅	D7
DAPS-0106-...-F0507-...	83,3	38,5	44,8	30	17	50	70	M8	M6	M5	16,2	M6x12
DAPS-0180-...-F0710-...	107,5	51	56,5	30	22	70	102	M10	M8	M5	20,2	M6x12
DAPS-0240-...-F0710-...	111,1	51	60,1	30	22	70	102	M10	M8	M5	22,5	M6x12
DAPS-0360-...-F0710-...	118	56	62	30	22	70	102	M10	M8	M5	25,5	M6x12
DAPS-0480-...-F1012-...	134,9	62	72,9	30	27	102	125	M12	M10	M5	29	M6x12
DAPS-0720-...-F1012-...	148	69,5	78,5	30	27	102	125	M12	M10	M5	31,8	M6x12
DAPS-0960-...-F1012-...	168	74,5	93,5	30	27	102	125	M12	M10	M5	36,5	M6x12
DAPS-0960-...-F14-...	168	74,5	93,5	30	27	-	140	M16	-	M5	36,5	M6x12
DAPS-1440-...-F12-...	186	84,5	101,5	30	36	-	125	M12	-	M5	41	M6x12
DAPS-1440-...-F14-...	186	84,5	101,5	30	36	-	140	M16	-	M5	41	M6x12
DAPS-1920-...-F14-...	207,7	93	114,7	30	36	-	140	M16	-	M5	46	M6x12
DAPS-1920-...-F1216-...	207,7	93	114,7	30	36	125	165	M20	M12	M5	46	M6x12

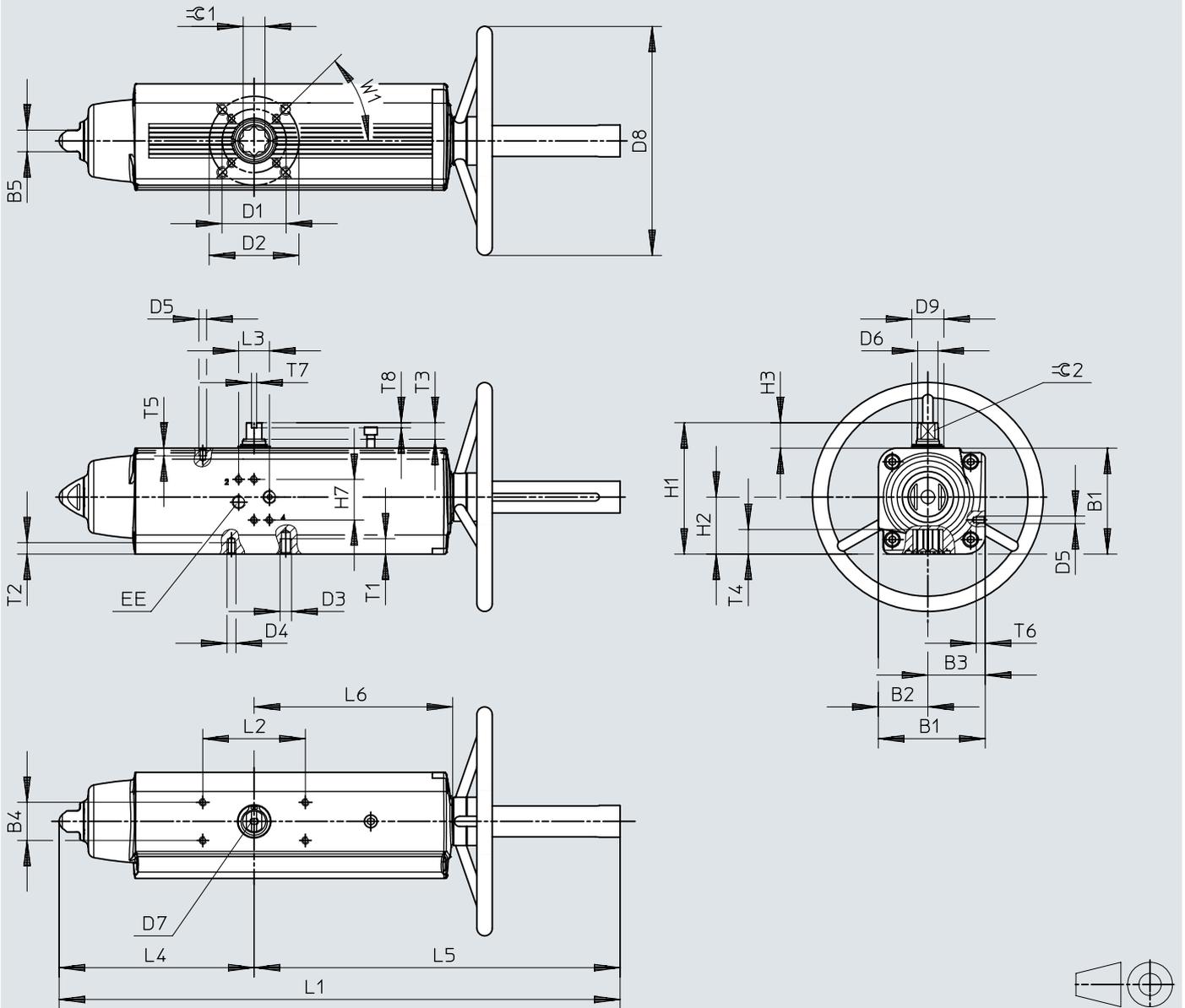
	D8 ∅	EE	H1	H2	H3	H7	L1 ±2	L2	L3	L4	L5	L6
DAPS-0106-...-F0507-...	180	G1/8	103,3	44,8	20±0,4	32	403,9	80	24	118,5	279,3	154,8
DAPS-0180-...-F0710-...	220	G1/8	137,5	56,5	30±0,4	32	493,2	80	24	144,9	338,1	183,5
DAPS-0240-...-F0710-...	220	G1/8	141,1	60,1	30±0,4	32	520,6	80	24	156,8	353,7	199,1
DAPS-0360-...-F0710-...	300	G1/8	148	62	30±0,4	32	578,8	80	24	169,6	398	220,8
DAPS-0480-...-F1012-...	300	G1/4	164,9	72,9	30±0,4	32	618,8	80	24	193,8	440,6	236,4
DAPS-0720-...-F1012-...	350	G1/4	178	78,5	30±0,4	32	732,8	80	24	216,6	503,5	282,3
DAPS-0960-...-F1012-...	350	G1/4	198	93,5	30±0,5	32	770,2	80	24	239,7	518,3	297,1
DAPS-0960-...-F14-...	350	G1/4	198	93,5	30±0,5	32	770,2	80	24	239,7	518,3	297,1
DAPS-1440-...-F12-...	400	G1/4	216	101,5	30±0,5	32	936,9	80	24	283,5	636,4	365,6
DAPS-1440-...-F14-...	400	G1/4	216	101,5	30±0,5	32	936,9	80	24	283,5	636,4	365,6
DAPS-1920-...-F14-...	400	G1/4	237,7	114,7	30±0,8	32	970,3	80	24	300,4	653,7	382,9
DAPS-1920-...-F1216-...	400	G1/4	237,7	114,7	30±0,8	32	970,3	80	24	300,4	653,7	382,9

	T1	T2	T3	T4	T5	T6	T7 +0,1	T8 +0,3	≈C 1 H11	≈C 2 h11	W1
DAPS-0106-...-F0507-...	12	9	13	19,3±0,4	6	7	4	4	17	12	45°
DAPS-0180-...-F0710-...	15	12	16	24,8±0,4	6	7	4	4	22	15	45°
DAPS-0240-...-F0710-...	15	12	17	24,8±0,4	6	7	4	4	22	15	45°
DAPS-0360-...-F0710-...	15	12	19	24,3±0,4	6	7	4	4	22	19	45°
DAPS-0480-...-F1012-...	18	15	19	29,5±0,4	6	7	4	4	27	19	45°
DAPS-0720-...-F1012-...	18	15	19,5	29,5±0,4	6	7	4	4	27	22	45°
DAPS-0960-...-F1012-...	18	15	19,5	38,5±0,5	6	7	4	4	36	24	45°
DAPS-0960-...-F14-...	24	-	19,5	38,5±0,5	6	7	4	4	36	24	45°
DAPS-1440-...-F12-...	18	-	19,5	38,5±0,5	6	7	4	4	36	27	45°
DAPS-1440-...-F14-...	24	-	19,5	38,5±0,5	6	7	4	4	36	27	45°
DAPS-1920-...-F14-...	24	-	18,5	48,5±0,8	6	7	4	4	46	32	45°
DAPS-1920-...-F1216-...	30	18	18,5	48,5±0,8	6	7	4	4	46	32	45°

Dimensions

Dimensions – DAPS with handwheel, single-acting

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Dimensions

	B1 ±0,4	B2	B3	B4	B5	D1 ∅	D2 ∅	D3	D4	D5	D6 ∅	D7
DAPS-0053-...-F0507-...	83,3	38,5	44,8	30	17	50	70	M8	M6	M5	16,2	M6x12
DAPS-0090-...-F0710-...	107,5	51	56,5	30	22	70	102	M10	M8	M5	20,2	M6x12
DAPS-0120-...-F0710-...	111,1	51	60,1	30	22	70	102	M10	M8	M5	22,5	M6x12
DAPS-0180-...-F0710-...	118	56	62	30	22	70	102	M10	M8	M5	25,5	M6x12
DAPS-0240-...-F1012-...	134,9	62	72,9	30	27	102	125	M12	M10	M5	29	M6x12
DAPS-0360-...-F1012-...	148	69,5	78,5	30	27	102	125	M12	M10	M5	31,8	M6x12
DAPS-0480-...-F1012-...	168	74,5	93,5	30	27	102	125	M12	M10	M5	36,5	M6x12
DAPS-0480-...-F14-...	168	74,5	93,5	30	27	-	140	M16	-	M5	36,5	M6x12
DAPS-0720-...-F12-...	186	84,5	101,5	30	36	-	125	M12	-	M5	41	M6x12
DAPS-0720-...-F14-...	186	84,5	101,5	30	36	-	140	M16	-	M5	41	M6x12
DAPS-0960-...-F14-...	207,7	93	114,7	30	36	-	140	M16	-	M5	46	M6x12
DAPS-0960-...-F1216-...	207,7	93	114,7	30	36	125	165	M20	M12	M5	46	M6x12

	D8 ∅	EE	H1	H2	H3	H7	L1 ±2	L2	L3	L4	L5	L6
DAPS-0053-...-F0507-...	180	G1/8	103,3	44,8	20±0,4	32	437,5	80	24	152,1	279,3	154,8
DAPS-0090-...-F0710-...	220	G1/8	137,5	56,5	30±0,4	32	545,1	80	24	196,8	338,1	183,5
DAPS-0120-...-F0710-...	220	G1/8	141,1	60,1	30±0,4	32	568,6	80	24	204,8	353,7	199,1
DAPS-0180-...-F0710-...	300	G1/8	148	62	30±0,4	32	646,1	80	24	237	398	220,8
DAPS-0240-...-F1012-...	300	G1/4	164,9	72,9	30±0,4	32	685,2	80	24	260,2	440,6	236,4
DAPS-0360-...-F1012-...	350	G1/4	178	78,5	30±0,4	32	822,8	80	24	306,6	503,5	282,3
DAPS-0480-...-F1012-...	350	G1/4	198	93,5	30±0,5	32	854,6	80	24	324,1	518,3	297,1
DAPS-0480-...-F14-...	350	G1/4	198	93,5	30±0,5	32	854,6	80	24	324,1	518,3	297,1
DAPS-0720-...-F12-...	400	G1/4	216	101,5	30±0,5	32	1052,4	80	24	399	636,4	365,6
DAPS-0720-...-F14-...	400	G1/4	216	101,5	30±0,5	32	1052,4	80	24	399	636,4	365,6
DAPS-0960-...-F14-...	400	G1/4	237,7	114,7	30±0,8	32	1 084	80	24	414	653,7	382,9
DAPS-0960-...-F1216-...	400	G1/4	237,7	114,7	30±0,8	32	1 084	80	24	414	653,7	382,9

	T1	T2	T3	T4	T5	T6	T7 +0,1	T8 +0,3	≈C 1 H11	≈C 2 h11	W1
DAPS-0053-...-F0507-...	12	9	13	19,3±0,4	6	7	4	4	17	12	45°
DAPS-0090-...-F0710-...	15	12	16	24,8±0,4	6	7	4	4	22	15	45°
DAPS-0120-...-F0710-...	15	12	17	24,8±0,4	6	7	4	4	22	15	45°
DAPS-0180-...-F0710-...	15	12	19	24,3±0,4	6	7	4	4	22	19	45°
DAPS-0240-...-F1012-...	18	15	19	29,5±0,4	6	7	4	4	27	19	45°
DAPS-0360-...-F1012-...	18	15	19,5	29,5±0,4	6	7	4	4	27	22	45°
DAPS-0480-...-F1012-...	18	15	19,5	38,5±0,5	6	7	4	4	36	24	45°
DAPS-0480-...-F14-...	24	-	19,5	38,5±0,5	6	7	4	4	36	24	45°
DAPS-0720-...-F12-...	18	-	19,5	38,5±0,5	6	7	4	4	36	27	45°
DAPS-0720-...-F14-...	24	-	19,5	38,5±0,5	6	7	4	4	36	27	45°
DAPS-0960-...-F14-...	24	-	18,5	48,5±0,8	6	7	4	4	46	32	45°
DAPS-0960-...-F1216-...	30	18	18,5	48,5±0,8	6	7	4	4	46	32	45°

Ordering data

Quarter turn actuators DAPS, double-acting, size 8...1920					
	Temperature range	Size	Product weight	Part no.	Type
	Standard	8	300 g	549666	DAPS-0008-090-R-F03
		15	750 g	533417	DAPS-0015-090-R-F03
				533475	DAPS-0015-090-R-F04
		30	1,000 g	533476	DAPS-0030-090-R-F04
				533418	DAPS-0030-090-R-F0305
		60	1,600 g	533477	DAPS-0060-090-R-F0507
				533419	DAPS-0060-090-R-F04
		106	2,500 g	533420	DAPS-0106-090-R-F0507
		180	4,600 g	533421	DAPS-0180-090-R-F0710
		240	5,400 g	533422	DAPS-0240-090-R-F0710
		360	6,500 g	533423	DAPS-0360-090-R-F0710
		480	9,600 g	533424	DAPS-0480-090-R-F1012
		720	12,000 g	549667	DAPS-0720-090-R-F1012
				533478	DAPS-0960-090-R-F14
		960	17,400 g	533425	DAPS-0960-090-R-F1012
549668	DAPS-1440-090-R-F12				
1,440	23,400 g	549669	DAPS-1440-090-R-F14		
		533426	DAPS-1920-090-R-F14		
1,920	32,000 g	533479	DAPS-1920-090-R-F1216		

Quarter turn actuators DAPS, double-acting, size 2880...8000					
	Temperature range	Size	Product weight	Part no.	Type
	Standard	2,880	56,000 g	549670	DAPS-2880-090-R-F16
		3,840	49,000 g	549671	DAPS-3840-090-R-F16
		5,760	86,000 g	549672	DAPS-5760-090-R-F25
		8,000	106,000 g	560855	DAPS-8000-090-R-F25

Quarter turn actuators DAPS, double-acting, actuators variant T4					
	Temperature range	Size	Product weight	Part no.	Type
	-20 °C ...+150 °C	15	750 g	8030599	DAPS-0015-090-R-F03-T4
				8030600	DAPS-0015-090-R-F04-T4
		30	1,000 g	8030601	DAPS-0030-090-R-F0305-T4
				8030602	DAPS-0030-090-R-F04-T4
		60	1,600 g	8030603	DAPS-0060-090-R-F04-T4
				8030604	DAPS-0060-090-R-F0507-T4
		106	2,500 g	8030605	DAPS-0106-090-R-F0507-T4
		180	4,600 g	8030606	DAPS-0180-090-R-F0710-T4
		240	5,400 g	8030607	DAPS-0240-090-R-F0710-T4
		360	6,500 g	8030608	DAPS-0360-090-R-F0710-T4
		480	9,600 g	8030609	DAPS-0480-090-R-F1012-T4
		720	12,000 g	8030610	DAPS-0720-090-R-F1012-T4
				8030612	DAPS-0960-090-R-F14-T4
		960	17,400 g	8030611	DAPS-0960-090-R-F1012-T4

Ordering data

Quarter turn actuators DAPS, double-acting, actuator variant T6, size 15 ... 1920

	Temperature range	Size	Product weight	Part no.	Type
	-50 °C ... +60 °C	15	750 g	553170	DAPS-0015-090-R-F03-T6
				553171	DAPS-0015-090-R-F04-T6
		30	1,000 g	553173	DAPS-0030-090-R-F04-T6
				553172	DAPS-0030-090-R-F0305-T6
		60	1,600 g	553174	DAPS-0060-090-R-F04-T6
				553175	DAPS-0060-090-R-F0507-T6
		106	2,500 g	553176	DAPS-0106-090-R-F0507-T6
		180	4,600 g	553177	DAPS-0180-090-R-F0710-T6
		240	5,400 g	553178	DAPS-0240-090-R-F0710-T6
		360	6,500 g	553179	DAPS-0360-090-R-F0710-T6
		480	9,600 g	553180	DAPS-0480-090-R-F1012-T6
		720	12,000 g	553181	DAPS-0720-090-R-F1012-T6
		960	17,400 g	553182	DAPS-0960-090-R-F1012-T6
				553183	DAPS-0960-090-R-F14-T6
1,440	23,400 g	553184	DAPS-1440-090-R-F12-T6		
		553185	DAPS-1440-090-R-F14-T6		
1,920	32,000 g	553186	DAPS-1920-090-R-F14-T6		
		553187	DAPS-1920-090-R-F1216-T6		

Quarter turn actuators DAPS, double-acting, actuators variant T6

	Temperature range	Size	Product weight	Part no.	Type
	-50 °C ... +60 °C	2,880	56,000 g	553188	DAPS-2880-090-R-F16-T6
		3,840	49,000 g	553189	DAPS-3840-090-R-F16-T6
		5,760	86,000 g	553190	DAPS-5760-090-R-F25-T6

Quarter turn actuator DAPS, double-acting, size 15...960

	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	15	For connecting pressure of 2.8 bar	1,000 g	533480	DAPS-0015-090-RS1-F04
					533427	DAPS-0015-090-RS1-F0305
			For connecting pressure of 3.5 bar	1,200 g	533481	DAPS-0015-090-RS2-F04
					533430	DAPS-0015-090-RS4-F0305
			For connecting pressure of 5.6 bar	1,200 g	533428	DAPS-0015-090-RS2-F0305
					533483	DAPS-0015-090-RS4-F04
		For connecting pressure of 4.2 bar	1,200 g	533482	DAPS-0015-090-RS3-F04	
				533429	DAPS-0015-090-RS3-F0305	
		30	For connecting pressure of 2.8 bar	1,650 g	533484	DAPS-0030-090-RS1-F0507
					533431	DAPS-0030-090-RS1-F04
	Standard	30	For connecting pressure of 4.2 bar	1,950 g	533486	DAPS-0030-090-RS3-F0507

Ordering data

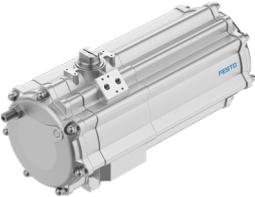
Quarter turn actuator DAPS, double-acting, size 15...960						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	30	For connecting pressure of 3.5 bar	1,950 g	533432	DAPS-0030-090-RS2-F04
					533485	DAPS-0030-090-RS2-F0507
			For connecting pressure of 4.2 bar		533433	DAPS-0030-090-RS3-F04
					533434	DAPS-0030-090-RS4-F04
			For connecting pressure of 5.6 bar		533487	DAPS-0030-090-RS4-F0507
		53	For connecting pressure of 2.8 bar	2,600 g	533435	DAPS-0053-090-RS1-F0507
			For connecting pressure of 4.2 bar	3,000 g	533437	DAPS-0053-090-RS3-F0507
			For connecting pressure of 3.5 bar		533436	DAPS-0053-090-RS2-F0507
			For connecting pressure of 5.6 bar		533438	DAPS-0053-090-RS4-F0507
		90	For connecting pressure of 2.8 bar	5,000 g	533439	DAPS-0090-090-RS1-F0710
			For connecting pressure of 5.6 bar	5,900 g	533442	DAPS-0090-090-RS4-F0710
			For connecting pressure of 3.5 bar		533440	DAPS-0090-090-RS2-F0710
			For connecting pressure of 4.2 bar		533441	DAPS-0090-090-RS3-F0710
		120	For connecting pressure of 2.8 bar	5,800 g	533443	DAPS-0120-090-RS1-F0710
			For connecting pressure of 4.2 bar	6,800 g	533445	DAPS-0120-090-RS3-F0710
			For connecting pressure of 5.6 bar		533446	DAPS-0120-090-RS4-F0710
			For connecting pressure of 3.5 bar		533444	DAPS-0120-090-RS2-F0710
		180	For connecting pressure of 2.8 bar	7,400 g	533447	DAPS-0180-090-RS1-F0710
			For connecting pressure of 3.5 bar	8,900 g	533448	DAPS-0180-090-RS2-F0710
			For connecting pressure of 4.2 bar		533449	DAPS-0180-090-RS3-F0710
For connecting pressure of 5.6 bar	533450		DAPS-0180-090-RS4-F0710			
240	For connecting pressure of 2.8 bar	10,200 g	533451	DAPS-0240-090-RS1-F1012		

Ordering data

Quarter turn actuator DAPS, double-acting, size 15...960						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	240	For connecting pressure of 5.6 bar	11,800 g	533454	DAPS-0240-090-RS4-F1012
			For connecting pressure of 4.2 bar		533453	DAPS-0240-090-RS3-F1012
			For connecting pressure of 3.5 bar		533452	DAPS-0240-090-RS2-F1012
		360	For connecting pressure of 2.8 bar	14,500 g	549673	DAPS-0360-090-RS1-F1012
			For connecting pressure of 3.5 bar		549674	DAPS-0360-090-RS2-F1012
			For connecting pressure of 4.2 bar		549675	DAPS-0360-090-RS3-F1012
			For connecting pressure of 5.6 bar		549676	DAPS-0360-090-RS4-F1012
		480	For connecting pressure of 2.8 bar	19,300 g	533488	DAPS-0480-090-RS1-F14
			For connecting pressure of 2.8 bar		533455	DAPS-0480-090-RS1-F1012
			For connecting pressure of 4.2 bar	22,700 g	533457	DAPS-0480-090-RS3-F1012
			For connecting pressure of 5.6 bar		533458	DAPS-0480-090-RS4-F1012
			For connecting pressure of 3.5 bar		533489	DAPS-0480-090-RS2-F14
			For connecting pressure of 4.2 bar		533490	DAPS-0480-090-RS3-F14
			For connecting pressure of 5.6 bar		533491	DAPS-0480-090-RS4-F14
			For connecting pressure of 3.5 bar		533456	DAPS-0480-090-RS2-F1012
		720	For connecting pressure of 2.8 bar	26,200 g	549681	DAPS-0720-090-RS1-F14
			For connecting pressure of 2.8 bar		549677	DAPS-0720-090-RS1-F12
			For connecting pressure of 5.6 bar	33,000 g	549684	DAPS-0720-090-RS4-F14
			For connecting pressure of 5.6 bar		549680	DAPS-0720-090-RS4-F12
			For connecting pressure of 3.5 bar		549678	DAPS-0720-090-RS2-F12
			For connecting pressure of 4.2 bar		549683	DAPS-0720-090-RS3-F14
For connecting pressure of 3.5 bar	549682	DAPS-0720-090-RS2-F14				

Ordering data

Quarter turn actuator DAPS, double-acting, size 15...960						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	720	For connecting pressure of 4.2 bar	33,000 g	549679	DAPS-0720-090-RS3-F12
		960	For connecting pressure of 2.8 bar	36,000 g	533492	DAPS-0960-090-RS1-F1216
	533459			DAPS-0960-090-RS1-F14		
	For connecting pressure of 4.2 bar		42,000 g	533494	DAPS-0960-090-RS3-F1216	
				533461	DAPS-0960-090-RS3-F14	
	For connecting pressure of 3.5 bar		533493	DAPS-0960-090-RS2-F1216		
	For connecting pressure of 5.6 bar		533495	DAPS-0960-090-RS4-F1216		
	For connecting pressure of 3.5 bar		533460	DAPS-0960-090-RS2-F14		
	For connecting pressure of 5.6 bar		533462	DAPS-0960-090-RS4-F14		

Quarter turn actuators DAPS, single-acting							
	Temperature range	Size	Spring force	Product weight	Part no.	Type	
	Standard	1,440	For connecting pressure of 2.8 bar	74,000 g	549685	DAPS-1440-090-RS1-F16	
			For connecting pressure of 3.5 bar		549686	DAPS-1440-090-RS2-F16	
			For connecting pressure of 5.6 bar		549688	DAPS-1440-090-RS4-F16	
		1,920	For connecting pressure of 2.8 bar	67,000 g	549689	DAPS-1920-090-RS1-F16	
					For connecting pressure of 4.2 bar	549691	DAPS-1920-090-RS3-F16
					For connecting pressure of 5.6 bar	549692	DAPS-1920-090-RS4-F16
			2,880	For connecting pressure of 3.5 bar	117,000 g	549690	DAPS-1920-090-RS2-F16
				For connecting pressure of 2.8 bar		549694	DAPS-2880-090-RS2-F16
				For connecting pressure of 5.6 bar		549693	DAPS-2880-090-RS1-F16
	4,000	For connecting pressure of 4.2 bar	183,000 g	549696	DAPS-2880-090-RS4-F16		
		For connecting pressure of 2.8 bar		549695	DAPS-2880-090-RS3-F16		
		For connecting pressure of 2.8 bar		561695	DAPS-4000-090-RS3-F25		
				560856	DAPS-4000-090-RS1-F25		

Ordering data

Quarter turn actuators DAPS, single-acting						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	4,000	For connecting pressure of 3.5 bar	183,000 g	561694	DAPS-4000-090-RS2-F25
			For connecting pressure of 5.6 bar		561696	DAPS-4000-090-RS4-F25

Quarter turn actuators DAPS, single-acting, actuators variant T4						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	-20 °C ... +150 °C	15	For connecting pressure of 5.6 bar	1,200 g	8030614	DAPS-0015-090-RS4-F04-T4
					8030613	DAPS-0015-090-RS4-F0305-T4
				1,950 g	8030616	DAPS-0030-090-RS4-F0507-T4
					8030615	DAPS-0030-090-RS4-F04-T4
				3,000 g	8030617	DAPS-0053-090-RS4-F0507-T4
				5,900 g	8030618	DAPS-0090-090-RS4-F0710-T4
				6,800 g	8030619	DAPS-0120-090-RS4-F0710-T4
				8,900 g	8030620	DAPS-0180-090-RS4-F0710-T4
				11,800 g	8030621	DAPS-0240-090-RS4-F1012-T4
				16,500 g	8030622	DAPS-0360-090-RS4-F1012-T4
22,700 g	8030623	DAPS-0480-090-RS4-F1012-T4				
	8030624	DAPS-0480-090-RS4-F14-T4				

Quarter turn actuators DAPS, single-acting, actuator variant T6, size 15 ... 960						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	-50 °C ... +60 °C	15	For connecting pressure of 4.2 bar	1,200 g	553211	DAPS-0015-090-RS3-F04-T6
			For connecting pressure of 3.5 bar		553192	DAPS-0015-090-RS2-F04-T6
			For connecting pressure of 5.6 bar		553230	DAPS-0015-090-RS4-F04-T6
			For connecting pressure of 4.2 bar		553210	DAPS-0015-090-RS3-F0305-T6
			For connecting pressure of 3.5 bar		553191	DAPS-0015-090-RS2-F0305-T6
			For connecting pressure of 5.6 bar		553229	DAPS-0015-090-RS4-F0305-T6
		30	For connecting pressure of 4.2 bar	1,950 g	553213	DAPS-0030-090-RS3-F0507-T6
			For connecting pressure of 3.5 bar		553194	DAPS-0030-090-RS2-F0507-T6
			For connecting pressure of 5.6 bar		553231	DAPS-0030-090-RS4-F04-T6

Ordering data

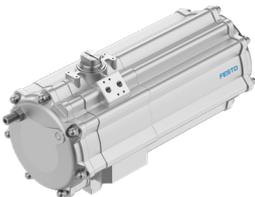
Quarter turn actuators DAPS, single-acting, actuator variant T6, size 15 ... 960						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	-50 °C ... +60 °C	30	For connecting pressure of 5.6 bar	1,950 g	553232	DAPS-0030-090-RS4-F0507-T6
			For connecting pressure of 3.5 bar		553193	DAPS-0030-090-RS2-F04-T6
			For connecting pressure of 4.2 bar		553212	DAPS-0030-090-RS3-F04-T6
		53	For connecting pressure of 5.6 bar	3,000 g	553214	DAPS-0053-090-RS3-F0507-T6
			For connecting pressure of 4.2 bar		553233	DAPS-0053-090-RS4-F0507-T6
			For connecting pressure of 3.5 bar		553195	DAPS-0053-090-RS2-F0507-T6
		90	For connecting pressure of 5.6 bar	5,900 g	553215	DAPS-0090-090-RS3-F0710-T6
			For connecting pressure of 4.2 bar		553234	DAPS-0090-090-RS4-F0710-T6
			For connecting pressure of 3.5 bar		553196	DAPS-0090-090-RS2-F0710-T6
		120	For connecting pressure of 5.6 bar	6,800 g	553197	DAPS-0120-090-RS2-F0710-T6
			For connecting pressure of 4.2 bar		553235	DAPS-0120-090-RS4-F0710-T6
			For connecting pressure of 3.5 bar		553216	DAPS-0120-090-RS3-F0710-T6
		180	For connecting pressure of 5.6 bar	8,900 g	553236	DAPS-0180-090-RS4-F0710-T6
			For connecting pressure of 4.2 bar		553198	DAPS-0180-090-RS2-F0710-T6
			For connecting pressure of 3.5 bar		553217	DAPS-0180-090-RS3-F0710-T6
		240	For connecting pressure of 5.6 bar	11,800 g	553218	DAPS-0240-090-RS3-F1012-T6
			For connecting pressure of 4.2 bar		553199	DAPS-0240-090-RS2-F1012-T6
			For connecting pressure of 3.5 bar		553237	DAPS-0240-090-RS4-F1012-T6
		360	For connecting pressure of 5.6 bar	16,500 g	553200	DAPS-0360-090-RS2-F1012-T6
			For connecting pressure of 4.2 bar		553238	DAPS-0360-090-RS4-F1012-T6
			For connecting pressure of 3.5 bar		553219	DAPS-0360-090-RS3-F1012-T6
480	For connecting pressure of 5.6 bar	22,700 g	553221	DAPS-0480-090-RS3-F14-T6		
	For connecting pressure of 4.2 bar		553239	DAPS-0480-090-RS4-F1012-T6		

Ordering data

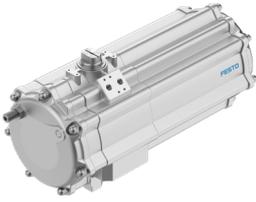
Quarter turn actuators DAPS, single-acting, actuator variant T6, size 15 ... 960

	Temperature range	Size	Spring force	Product weight	Part no.	Type
	-50 °C ... +60 °C	480	For connecting pressure of 5.6 bar	22,700 g	553240	DAPS-0480-090-RS4-F14-T6
			For connecting pressure of 3.5 bar		553202	DAPS-0480-090-RS2-F14-T6
			For connecting pressure of 4.2 bar		553220	DAPS-0480-090-RS3-F1012-T6
			For connecting pressure of 3.5 bar		553201	DAPS-0480-090-RS2-F1012-T6
		720	For connecting pressure of 3.5 bar	33,000 g	553204	DAPS-0720-090-RS2-F14-T6
			For connecting pressure of 4.2 bar		553203	DAPS-0720-090-RS2-F12-T6
			For connecting pressure of 4.2 bar		553222	DAPS-0720-090-RS3-F12-T6
			For connecting pressure of 5.6 bar		553241	DAPS-0720-090-RS4-F12-T6
		960	For connecting pressure of 5.6 bar	42,000 g	553242	DAPS-0720-090-RS4-F14-T6
			For connecting pressure of 4.2 bar		553223	DAPS-0720-090-RS3-F14-T6
			For connecting pressure of 3.5 bar		553224	DAPS-0960-090-RS3-F14-T6
			For connecting pressure of 4.2 bar		553205	DAPS-0960-090-RS2-F14-T6
			For connecting pressure of 4.2 bar		553225	DAPS-0960-090-RS3-F1216-T6
			For connecting pressure of 3.5 bar		553206	DAPS-0960-090-RS2-F1216-T6

Quarter turn actuators DAPS, single-acting, actuators variant T6

	Temperature range	Size	Spring force	Product weight	Part no.	Type
	-50 °C ... +60 °C	1,440	For connecting pressure of 5.6 bar	74,000 g	553245	DAPS-1440-090-RS4-F16-T6
			For connecting pressure of 3.5 bar		553207	DAPS-1440-090-RS2-F16-T6
		1,920	For connecting pressure of 4.2 bar	67,000 g	553227	DAPS-1920-090-RS3-F16-T6
			For connecting pressure of 5.6 bar		553246	DAPS-1920-090-RS4-F16-T6
			For connecting pressure of 3.5 bar		553208	DAPS-1920-090-RS2-F16-T6
		2,880	For connecting pressure of 5.6 bar	117,000 g	553247	DAPS-2880-090-RS4-F16-T6
			For connecting pressure of 4.2 bar		553228	DAPS-2880-090-RS3-F16-T6

Ordering data

Quarter turn actuators DAPS, single-acting, actuators variant T6						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	-50 °C ... +60 °C	2,880	For connecting pressure of 3.5 bar	117,000 g	553209	DAPS-2880-090-RS2-F16-T6

Quarter turn actuators DAPS CR, double-acting						
	Temperature range	Size	Product weight	Part no.	Type	
	Standard	15	800 g	552869	DAPS-0015-090-R-F03-CR	
		30	1,200 g	552870	DAPS-0030-090-R-F03-CR	
		60	1,800 g	552871	DAPS-0060-090-R-F0305-CR	
		120	3,300 g	552872	DAPS-0120-090-R-F0507-CR	
		240	5,600 g	552873	DAPS-0240-090-R-F0507-CR	
		480	9,500 g	552874	DAPS-0480-090-R-F0710-CR	

Quarter turn actuators DAPS CR, single-acting						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	15	For connecting pressure of 2.8 bar	1,600 g	552875	DAPS-0015-090-RS1-F03-CR
			For connecting pressure of 4.2 bar		552877	DAPS-0015-090-RS3-F03-CR
			For connecting pressure of 5.6 bar		552878	DAPS-0015-090-RS4-F03-CR
			For connecting pressure of 2.8 bar		552876	DAPS-0015-090-RS2-F03-CR
		30	For connecting pressure of 3.5 bar	2,400 g	552880	DAPS-0030-090-RS2-F0305-CR
			For connecting pressure of 4.2 bar		552881	DAPS-0030-090-RS3-F0305-CR
			For connecting pressure of 5.6 bar		552882	DAPS-0030-090-RS4-F0305-CR
			For connecting pressure of 2.8 bar		552879	DAPS-0030-090-RS1-F0305-CR
		60	For connecting pressure of 4.2 bar	4,500 g	552885	DAPS-0060-090-RS3-F0507-CR
			For connecting pressure of 5.6 bar		552886	DAPS-0060-090-RS4-F0507-CR
			For connecting pressure of 3.5 bar		552884	DAPS-0060-090-RS2-F0507-CR
			For connecting pressure of 2.8 bar		552883	DAPS-0060-090-RS1-F0507-CR

Ordering data

Quarter turn actuators DAPS CR, single-acting						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	120	For connecting pressure of 4.2 bar	7,600 g	552889	DAPS-0120-090-RS3-F0507-CR
			For connecting pressure of 3.5 bar		552888	DAPS-0120-090-RS2-F0507-CR
			For connecting pressure of 2.8 bar		552887	DAPS-0120-090-RS1-F0507-CR
			For connecting pressure of 5.6 bar		552890	DAPS-0120-090-RS4-F0507-CR
		240	For connecting pressure of 5.6 bar	12,900 g	552894	DAPS-0240-090-RS4-F0710-CR
			For connecting pressure of 4.2 bar		552893	DAPS-0240-090-RS3-F0710-CR
			For connecting pressure of 2.8 bar		552891	DAPS-0240-090-RS1-F0710-CR
			For connecting pressure of 3.5 bar		552892	DAPS-0240-090-RS2-F0710-CR

Quarter turn actuators DAPS with handwheel, double-acting						
	Temperature range	Size	Product weight	Part no.	Type	
	Standard	106	4,000 g	8005002	DAPS-0106-090-R-F0507-MW	
		180	6,000 g	8005003	DAPS-0180-090-R-F0710-MW	
		240	8,000 g	8005004	DAPS-0240-090-R-F0710-MW	
		360	10,200 g	8005005	DAPS-0360-090-R-F0710-MW	
		480	13,200 g	8005006	DAPS-0480-090-R-F1012-MW	
		720	17,800 g	8005007	DAPS-0720-090-R-F1012-MW	
		960	8005009	DAPS-0960-090-R-F14-MW		
			8005008	DAPS-0960-090-R-F1012-MW		

Quarter turn actuators DAPS with handwheel, double-acting T6						
	Temperature range	Size	Product weight	Part no.	Type	
	-50 °C ... +60 °C	106	4,000 g	8005014	DAPS-0106-090-R-F0507-MW-T6	
		180	6,000 g	8005015	DAPS-0180-090-R-F0710-MW-T6	
		240	8,000 g	8005016	DAPS-0240-090-R-F0710-MW-T6	
		360	10,200 g	8005017	DAPS-0360-090-R-F0710-MW-T6	
		480	13,200 g	8005018	DAPS-0480-090-R-F1012-MW-T6	
		720	17,800 g	8005019	DAPS-0720-090-R-F1012-MW-T6	
		960	8005021	DAPS-0960-090-R-F14-MW-T6		
			8005020	DAPS-0960-090-R-F1012-MW-T6		
		1,440	8005023	DAPS-1440-090-R-F14-MW-T6		
			8005022	DAPS-1440-090-R-F12-MW-T6		
		1,920	8005024	DAPS-1920-090-R-F14-MW-T6		
			8005025	DAPS-1920-090-R-F1216-MW-T6		

Ordering data

Quarter turn actuators DAPS with handwheel, single-acting						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	53	For connecting pressure of 5.6 bar	4,500 g	8005029	DAPS-0053-090-RS4-F0507-MW
			For connecting pressure of 4.2 bar		8005028	DAPS-0053-090-RS3-F0507-MW
			For connecting pressure of 3.5 bar		8005027	DAPS-0053-090-RS2-F0507-MW
			For connecting pressure of 2.8 bar		8005026	DAPS-0053-090-RS1-F0507-MW
		90	For connecting pressure of 4.2 bar	6,800 g	8005032	DAPS-0090-090-RS3-F0710-MW
			For connecting pressure of 5.6 bar		8005033	DAPS-0090-090-RS4-F0710-MW
			For connecting pressure of 3.5 bar		8005031	DAPS-0090-090-RS2-F0710-MW
			For connecting pressure of 2.8 bar		8005030	DAPS-0090-090-RS1-F0710-MW
		120	For connecting pressure of 3.5 bar	9,000 g	8005035	DAPS-0120-090-RS2-F0710-MW
			For connecting pressure of 2.8 bar		8005034	DAPS-0120-090-RS1-F0710-MW
			For connecting pressure of 4.2 bar		8005036	DAPS-0120-090-RS3-F0710-MW
			For connecting pressure of 5.6 bar		8005037	DAPS-0120-090-RS4-F0710-MW
		180	For connecting pressure of 4.2 bar	11,700 g	8005040	DAPS-0180-090-RS3-F0710-MW
			For connecting pressure of 5.6 bar		8005041	DAPS-0180-090-RS4-F0710-MW
			For connecting pressure of 2.8 bar		8005038	DAPS-0180-090-RS1-F0710-MW
			For connecting pressure of 3.5 bar		8005039	DAPS-0180-090-RS2-F0710-MW
		240	For connecting pressure of 4.2 bar	15,200 g	8005044	DAPS-0240-090-RS3-F1012-MW
			For connecting pressure of 2.8 bar		8005042	DAPS-0240-090-RS1-F1012-MW
			For connecting pressure of 3.5 bar		8005043	DAPS-0240-090-RS2-F1012-MW

Ordering data

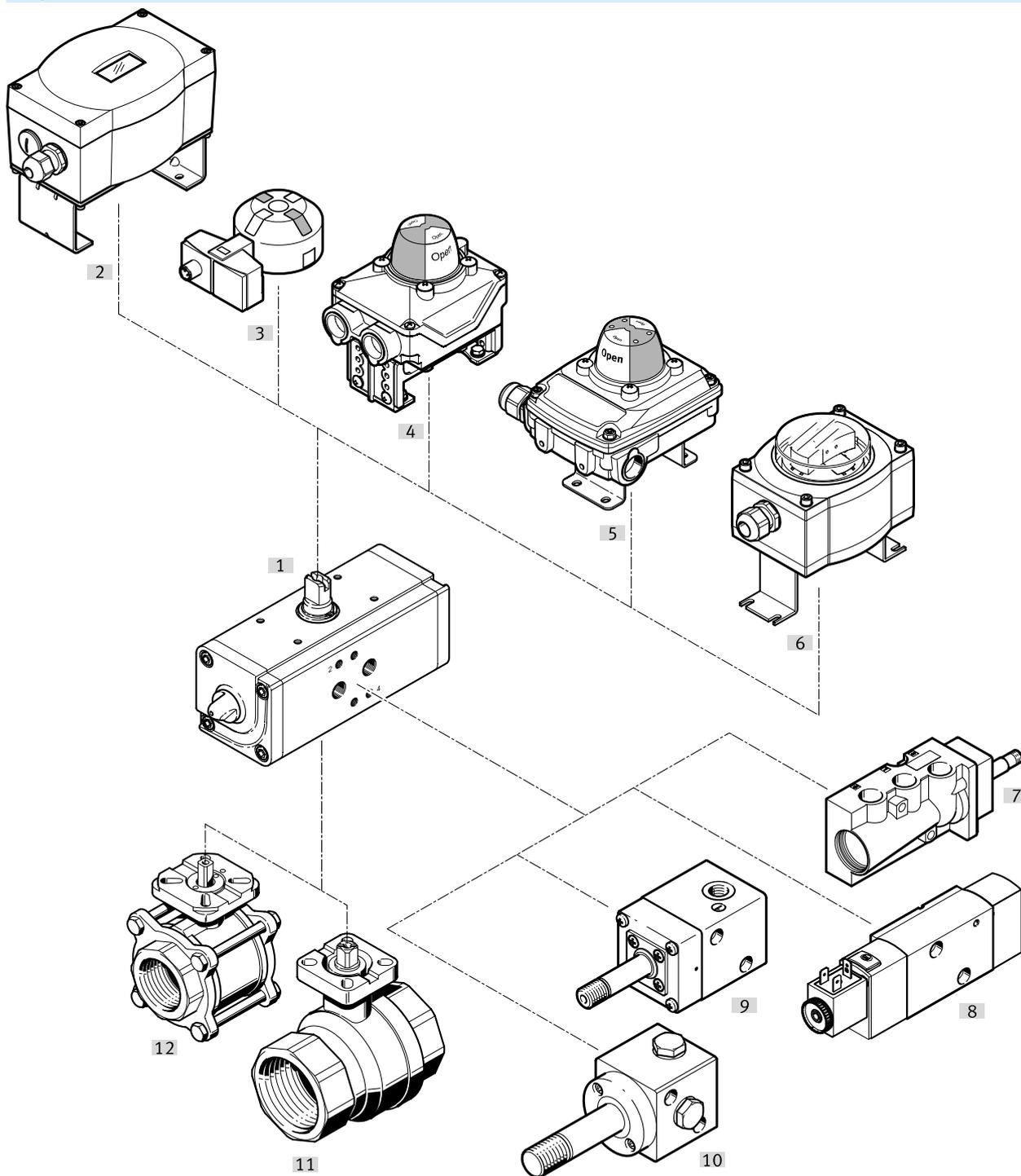
Quarter turn actuators DAPS with handwheel, single-acting						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	240	For connecting pressure of 5.6 bar	15,200 g	8005045	DAPS-0240-090-RS4-F1012-MW
		360	For connecting pressure of 3.5 bar	19,500 g	8005047	DAPS-0360-090-RS2-F1012-MW
			For connecting pressure of 5.6 bar		8005049	DAPS-0360-090-RS4-F1012-MW
			For connecting pressure of 4.2 bar		8005048	DAPS-0360-090-RS3-F1012-MW
			For connecting pressure of 2.8 bar		8005046	DAPS-0360-090-RS1-F1012-MW
		480	For connecting pressure of 5.6 bar	28,100 g	8005056	DAPS-0480-090-RS4-F1012-MW
			For connecting pressure of 2.8 bar		8005051	DAPS-0480-090-RS1-F14-MW
			For connecting pressure of 5.6 bar		8005057	DAPS-0480-090-RS4-F14-MW
			For connecting pressure of 3.5 bar		8005053	DAPS-0480-090-RS2-F14-MW
			For connecting pressure of 4.2 bar		8005054	DAPS-0480-090-RS3-F1012-MW
			For connecting pressure of 2.8 bar		8005050	DAPS-0480-090-RS1-F1012-MW
			For connecting pressure of 4.2 bar		8005055	DAPS-0480-090-RS3-F14-MW
			For connecting pressure of 3.5 bar		8005052	DAPS-0480-090-RS2-F1012-MW
		720	For connecting pressure of 5.6 bar	38,800 g	8005065	DAPS-0720-090-RS4-F14-MW
			For connecting pressure of 2.8 bar		8005058	DAPS-0720-090-RS1-F12-MW
			For connecting pressure of 3.5 bar		8005061	DAPS-0720-090-RS2-F14-MW
			For connecting pressure of 5.6 bar		8005064	DAPS-0720-090-RS4-F12-MW
			For connecting pressure of 4.2 bar		8005063	DAPS-0720-090-RS3-F14-MW
					8005062	DAPS-0720-090-RS3-F12-MW
			For connecting pressure of 2.8 bar		8005059	DAPS-0720-090-RS1-F14-MW

Ordering data

Quarter turn actuators DAPS with handwheel, single-acting						
	Temperature range	Size	Spring force	Product weight	Part no.	Type
	Standard	720	For connecting pressure of 3.5 bar	38,800 g	8005060	DAPS-0720-090-RS2-F12-MW
		960	For connecting pressure of 2.8 bar	50,600 g	8005066	DAPS-0960-090-RS1-F14-MW
			For connecting pressure of 3.5 bar		8005069	DAPS-0960-090-RS2-F1216-MW
			For connecting pressure of 5.6 bar		8005073	DAPS-0960-090-RS4-F1216-MW
			For connecting pressure of 3.5 bar		8005068	DAPS-0960-090-RS2-F14-MW
			For connecting pressure of 4.2 bar		8005071	DAPS-0960-090-RS3-F1216-MW
			For connecting pressure of 5.6 bar		8005072	DAPS-0960-090-RS4-F14-MW
			For connecting pressure of 4.2 bar		8005070	DAPS-0960-090-RS3-F14-MW
			For connecting pressure of 2.8 bar		8005067	DAPS-0960-090-RS1-F1216-MW

Peripherals

Peripherals overview

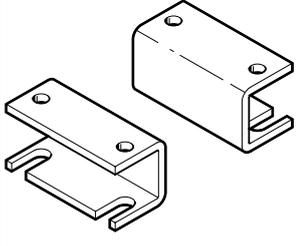


Accessories		→ Link
Type/order code	Description	
[1] Quarter turn actuators DAPS	Connection pattern according to VDI/VDE 3845 for mounting solenoid valves	daps
[2] Positioner CMSX	For controlling the position of quarter turn actuators in process automation systems	cmsx
[3] Sensor boxes SRBG	For electrical feedback and position monitoring of process valves actuated by quarter turn actuators	srbg
[4] Limit switch box SRBK	SRBK-CA4-... Variants with pre-assembled position	srbk
[5] Sensor boxes SRBC	For electrical feedback and position monitoring of process valves actuated by quarter turn actuators	srbk
[6] Sensor boxes SRAP	Analogue sensor box continuously senses the entire swivel range and reports this back to the controller	srap
[7] Solenoid valves NVF3	<ul style="list-style-type: none"> • For F solenoid coil and explosion-proof F solenoid coil • Only solenoid valves from size 0015 upwards can be mounted directly 	nvf3
[8] Solenoid valves VSNC	For single- and double-acting quarter turn actuators with connection pattern VDI/VDE 3845	vsnc

Peripherals

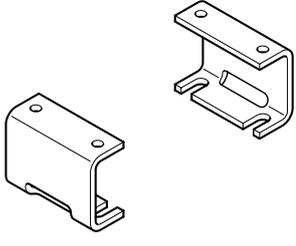
Accessories		→ Link
Type/order code	Description	
[9] Solenoid valves VOFC	Solenoid valve with solenoid coil, NAMUR connection pattern	vofc
[10] Solenoid valves VOFD	Solenoid valve with solenoid coil, NAMUR connection pattern	vofd
[11] Ball valves VAPB	2-way, brass, pipe thread to EN 10226-1	vapb
[12] Ball valves VZBA	2-way, stainless steel, optionally with pipe thread according to EN 10226-1 or with welding ends	vzba

Accessories

Adapter kits for mounting the sensor boxes SRAP			
	Corrosion resistance class CRC ¹⁾	Part no.	Type
	3 - high corrosion stress	568275	DASB-P1-HA-SB

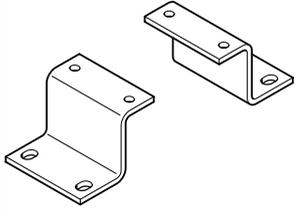
1) Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial environment.

Adapter kits for mounting the sensor boxes SRAP			
	Corrosion resistance class CRC ¹⁾	Part no.	Type
	3 - high corrosion stress	572418	DASB-P1-HB-SB

1) Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial environment.

Adapter kits for mounting the sensor boxes SRAP			
	Corrosion resistance class CRC ¹⁾	Part no.	Type
	3 - high corrosion stress	572419	DASB-P1-HC-SB

1) Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional surface requirements that are in direct contact with a normal industrial environment.