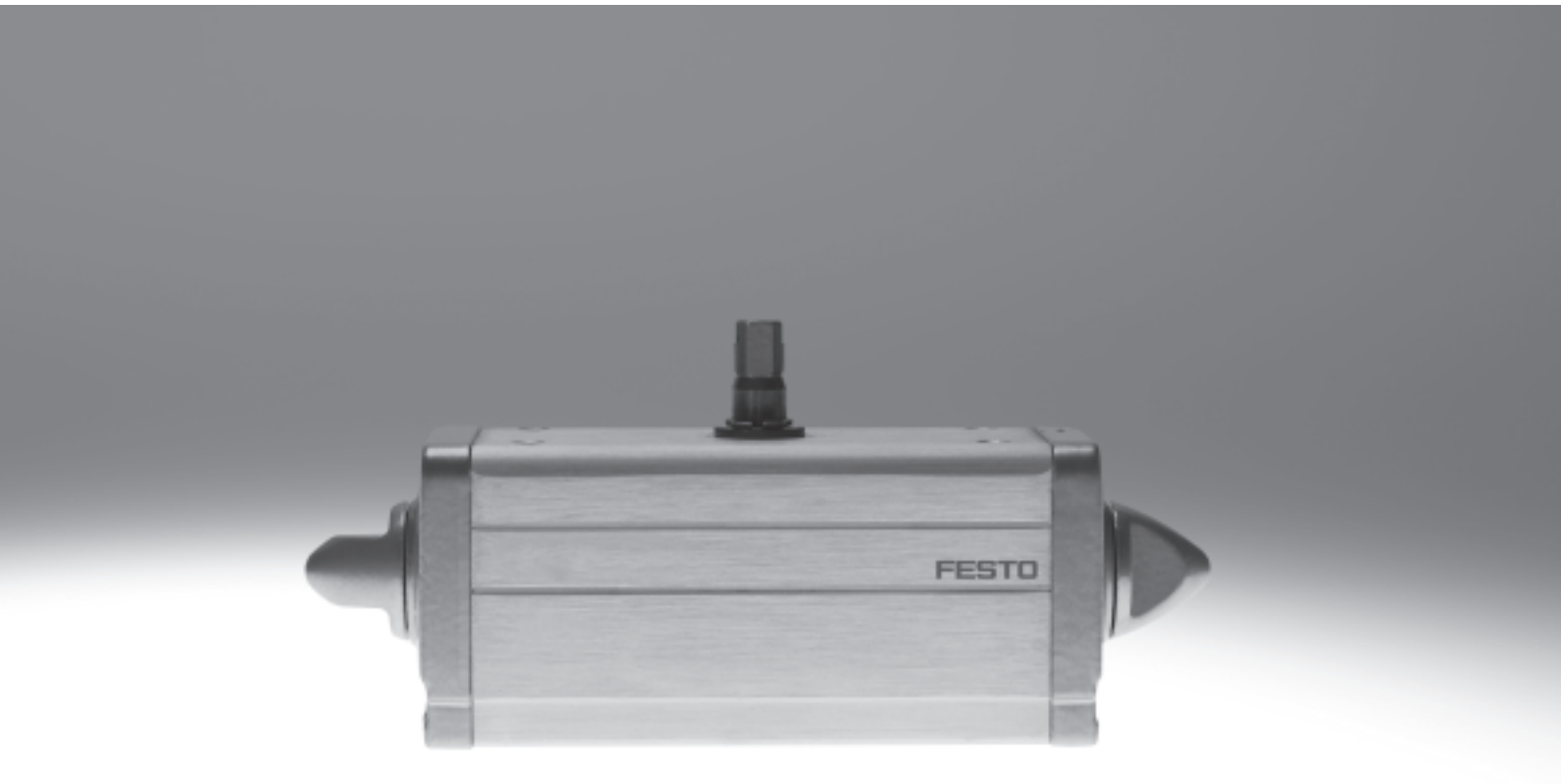
Quarter turn actuators DAPS



Quarter turn actuators DAPS

Key features

Brief description

Size
0008 ... 8000

Torque
8 ... 8,000 Nm

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

Quarter turn actuators DAPS, double-acting

Product range overview

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
Square	V11	V11	V11	V14	V11	V14	V17	V14	V17	height
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	30	30	30	30	30	30	30	30	30	
accessories	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
Square	V22	V22	V27	V27	V36	V46	V36	V46	V46	V46	V55	height
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	30	30	30	30	30	30	30	30	30	30	30	
accessories	80	80	80	80	80	80	80	80	80	130	130	

Quarter turn actuators DAPS, single-acting

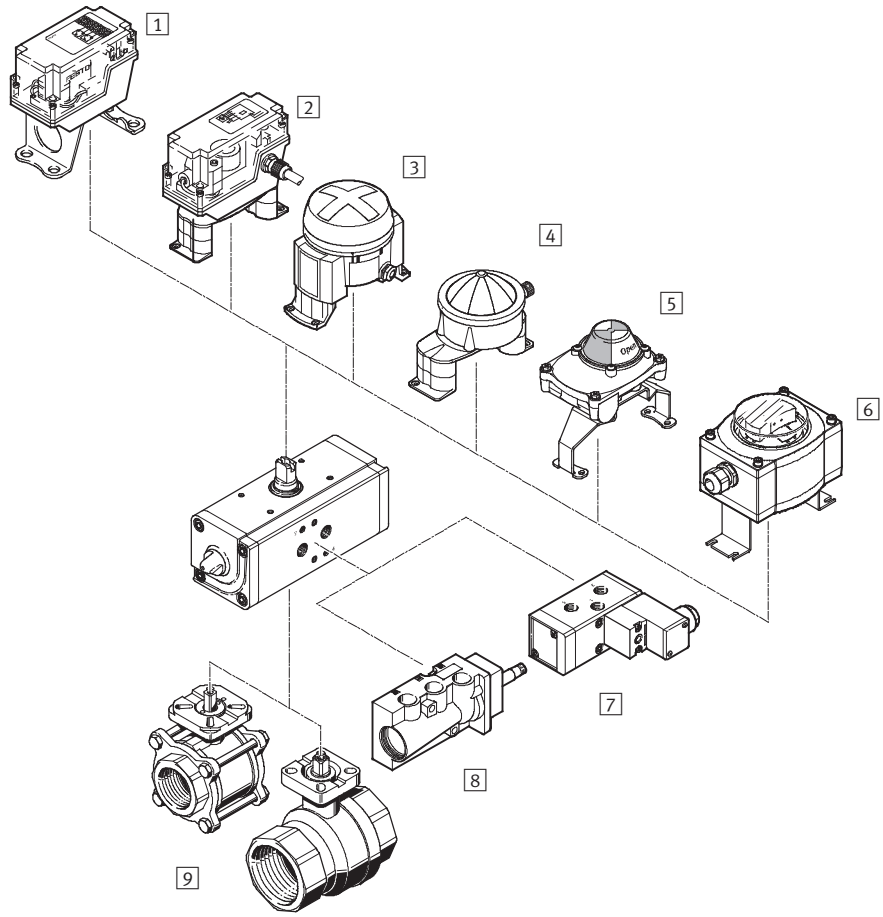
Product range overview

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 80	30 80	30 80	30 80	30 80	30 80	30 80	30 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 80	30 80	30 80	30 80	30 80	30 80	30 80	30 80	30 80	30 130	

Quarter turn actuators DAPS

Peripherals overview



Mounting attachments and accessories			
		Brief description	**➔ Page/Internet**
1	End-position sensing attachment QH-DR-E	Square design Pneumatic, electrical or inductive sensing	qh-dr-e
2	End-position sensing attachment DAPZ	Square design Electrical, electrically explosion-proof or inductive sensing	dapz
3	End-position sensing attachment DAPZ	Round design, variant AR Electrical, inductive or inductively explosion-proof sensing	dapz
4	End-position sensing attachment DAPZ	Round design, variant RO Electrical, inductive or inductive Namur sensing	dapz
5	End-position sensing attachment SRBF	Square design Sensing via two mechanical switches	srbf
6	Sensor box SRBP, SRAP	SRBP, binary sensor box reports the open and closed position of the drive SRAP, analogue sensor box continuously senses the entire swivel range and reports this back to the controller	srbp, srap
7	Solenoid valve MFH[1)]	Basic valve with pilot control valve for F solenoid coil	mfh
	Solenoid valve MN1H[1)]	Basic valve with pilot control valve for N1 solenoid coil	mn1h
	Solenoid valve MGTBH[1)]	Basic valve with pilot control valve, solenoid coil and socket	mgtbh
8	Solenoid valve NVF3[1)]	For F solenoid coil and explosion-proof F solenoid coil	nvf3
9	Ball valve VAPB	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

Type codes

DAPS	–	0240	–	090	–	R		–	F10	12

Type	
DAPS	Quarter turn actuator

Size	
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

Swivel angle	
090	90°

Closing direction	
R	Closes to right

Mode of operation	
	Double-acting

1st flange hole pattern	
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

2nd flange hole pattern	
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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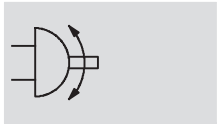
Function



Swivel angle
0 ... 90°

Wearing parts kits
➔ 19

Size
0008 ... 8000

Torque
8 ... 8000 Nm

General technical data						
Size		0008	0015 ... 0360	0480 ... 1920	2880 ... 5760	8000
Pneumatic connection		G1⁄8	G1⁄8	G1⁄4	G3⁄8	G3⁄8
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[1)]		3				
CE marking (see declaration of conformity) ➔ www.festo.com		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	
DAPS-0008	0.4
DAPS-0015	0.72
DAPS-0030	1.44
DAPS-0060	3
DAPS-0106	5.04
DAPS-0180	8.64
DAPS-0240	12
DAPS-0360	17.4
DAPS-0480	24
Size	
DAPS-0720	24.5
DAPS-0960	48
DAPS-1440	53.2
DAPS-1920	96
DAPS-2880	140
DAPS-3840	170.1
DAPS-5760	266

DAPS-8000	300

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

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

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	–

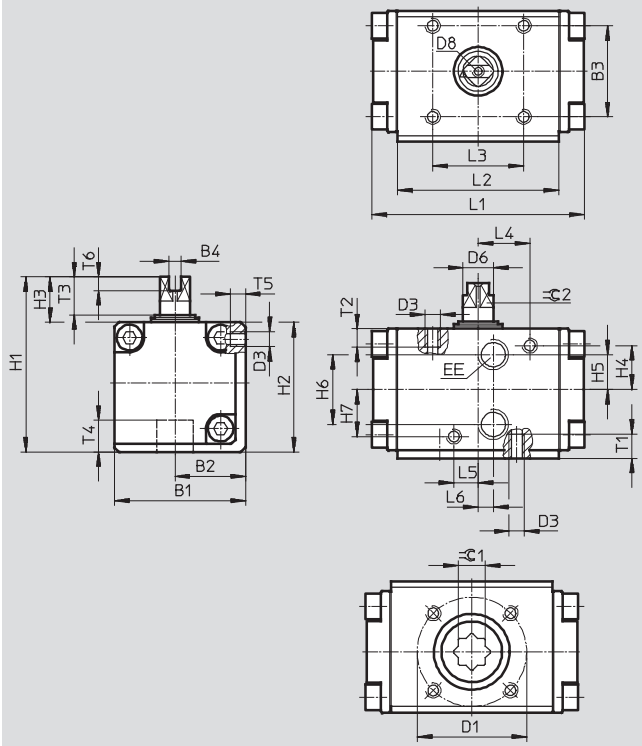
Torque for size at 5.6 bar and swivel angle 0°

Quarter turn actuators DAPS, double-acting

Technical data

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 0008



Size	B1	B2	B3	B4	D1 ∅	D3	D6 ∅	D8	EE	H1	H2	H3	H4	H5	H6
DAPS-008-...	43.2	23.2	30	4	36	M5	10	M4	G1⁄8	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

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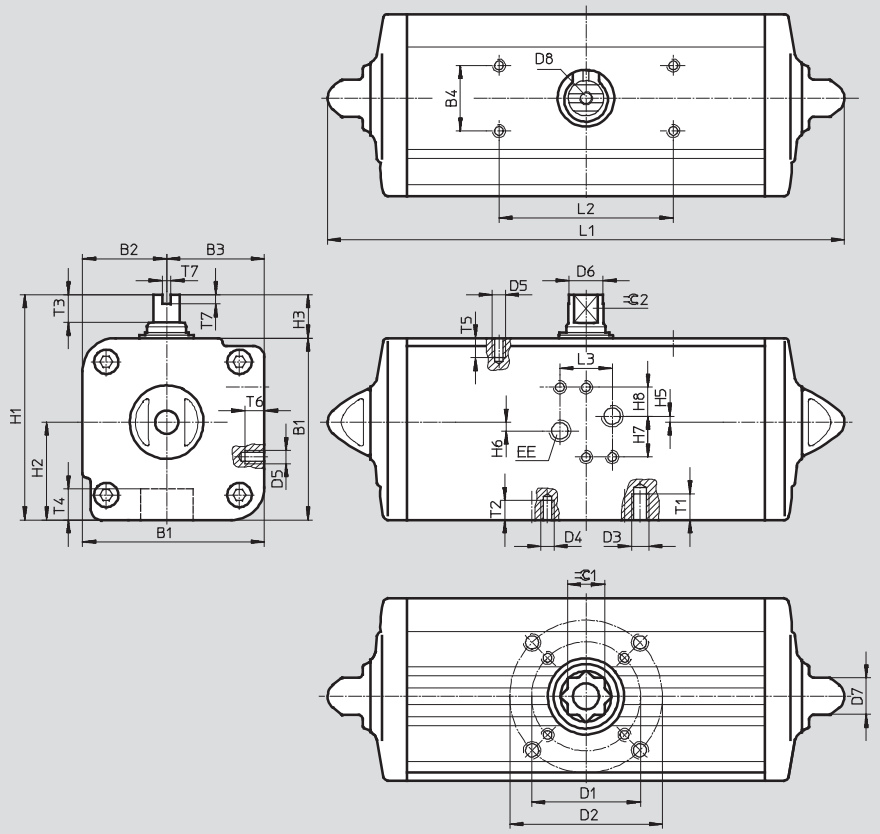
Size 0015 ... 0360

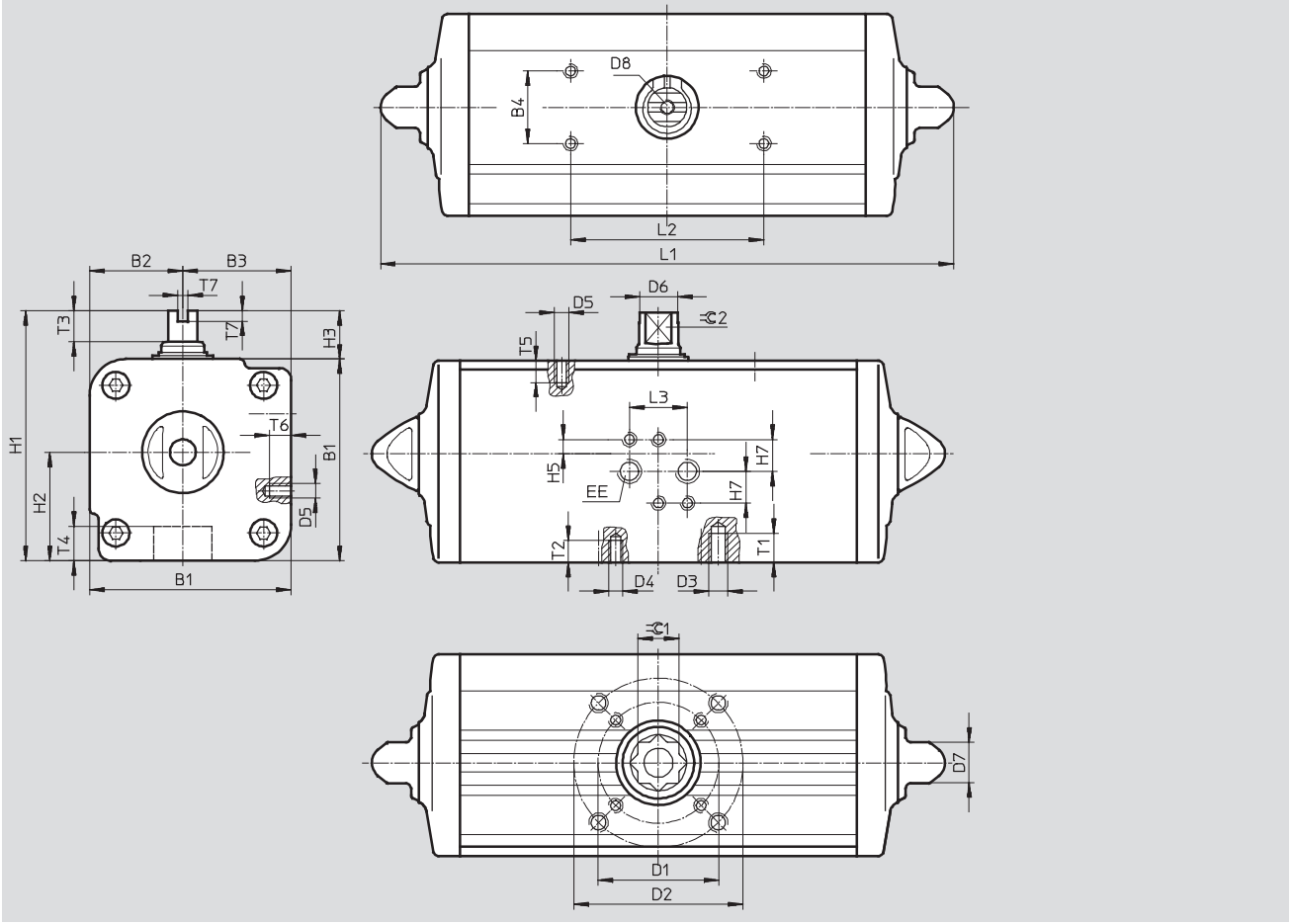


Size	B1	B2	B3	B4	D1 ∅ ±0.1	D2 ∅ ±0.1	D3	D4	D5	D6 ∅	D7 ∅	D8	EE	H1	H2	H3
DAPS-0015-...-F03	52.2	24.2	28	30	36	–	–	M5	M5	9.2	13	M6	G1⁄8	72.2	28	20
DAPS-0015-...-F04					42			M5								
DAPS-0030-...-F0305	59.2	27.7	31.5		36	50	M6	M5		10.9	13			79.2	31.5	20
DAPS-0030-...-F04					42	–	–	M5								
DAPS-0060-...-F04	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	⌀1	⌀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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 0480 ... 1920



Quarter turn actuators DAPS, double-acting

Technical data

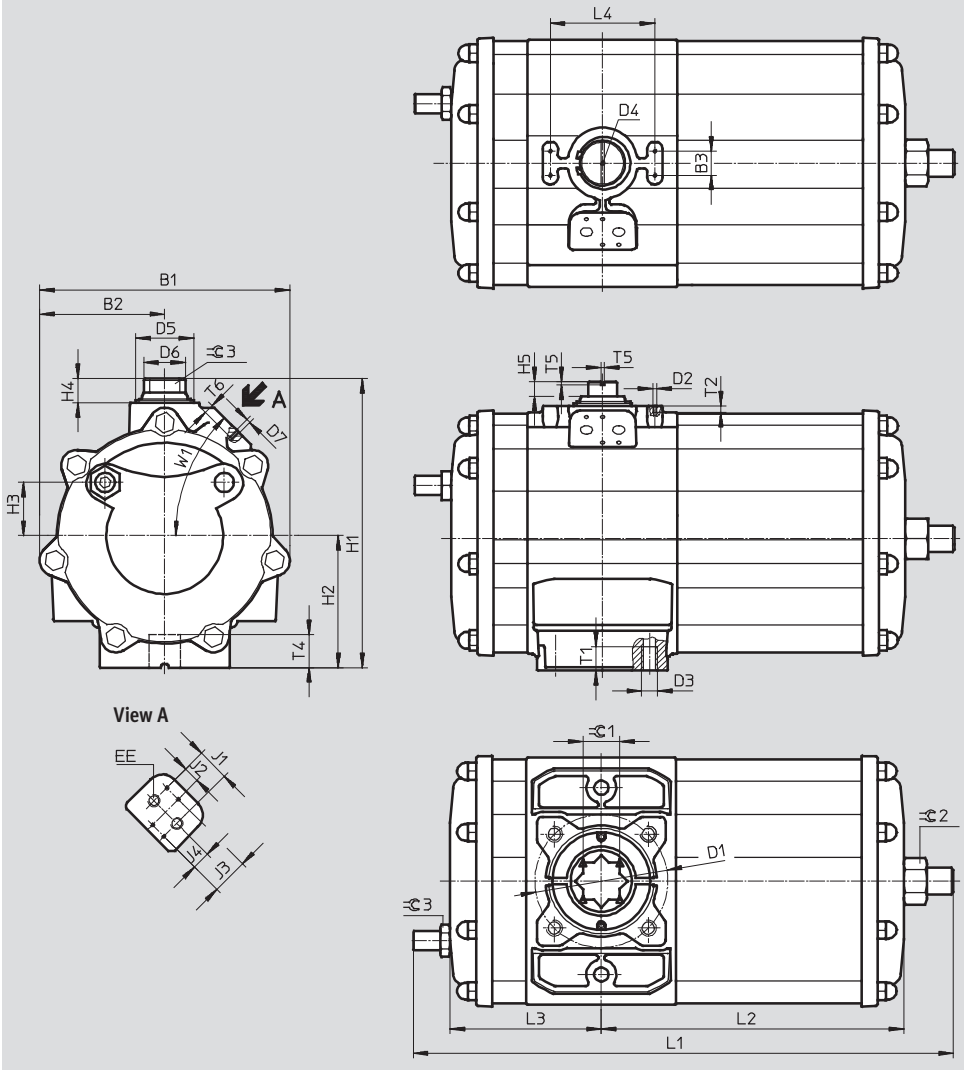
FESTO

Size	B1	B2	B3	B4	D1 ∅ ±0.1	D2 ∅ ±0.1	D3	D4	D5	D6 ∅	D7 ∅	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	⫧ 1	⫧ 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							

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 2880

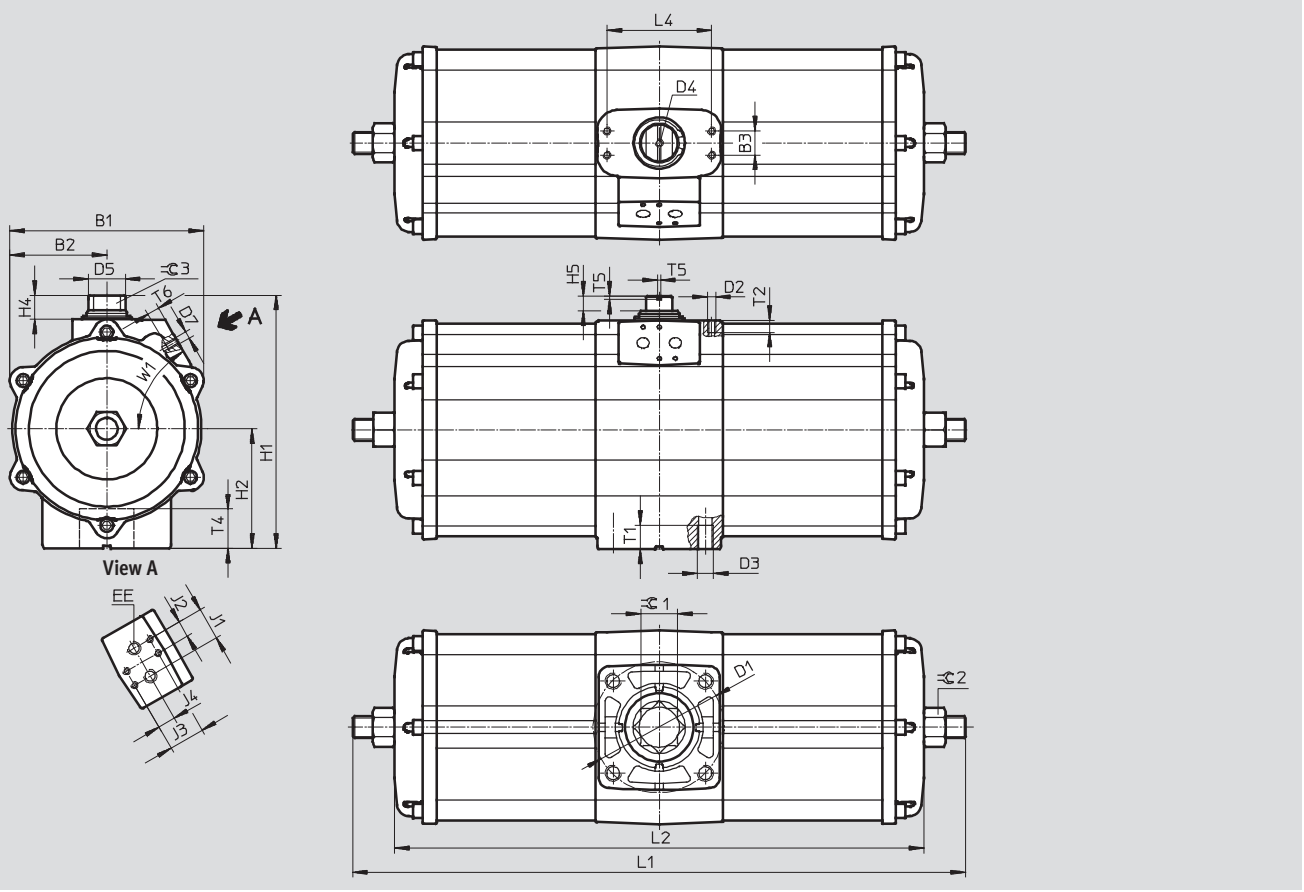


Size	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H3	H4	H5	J1
DAPS-2880-...	311	155	30	165	M5	M20	M6	72	52	M5	G3/8	359	164	66	30	18	40

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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 3840

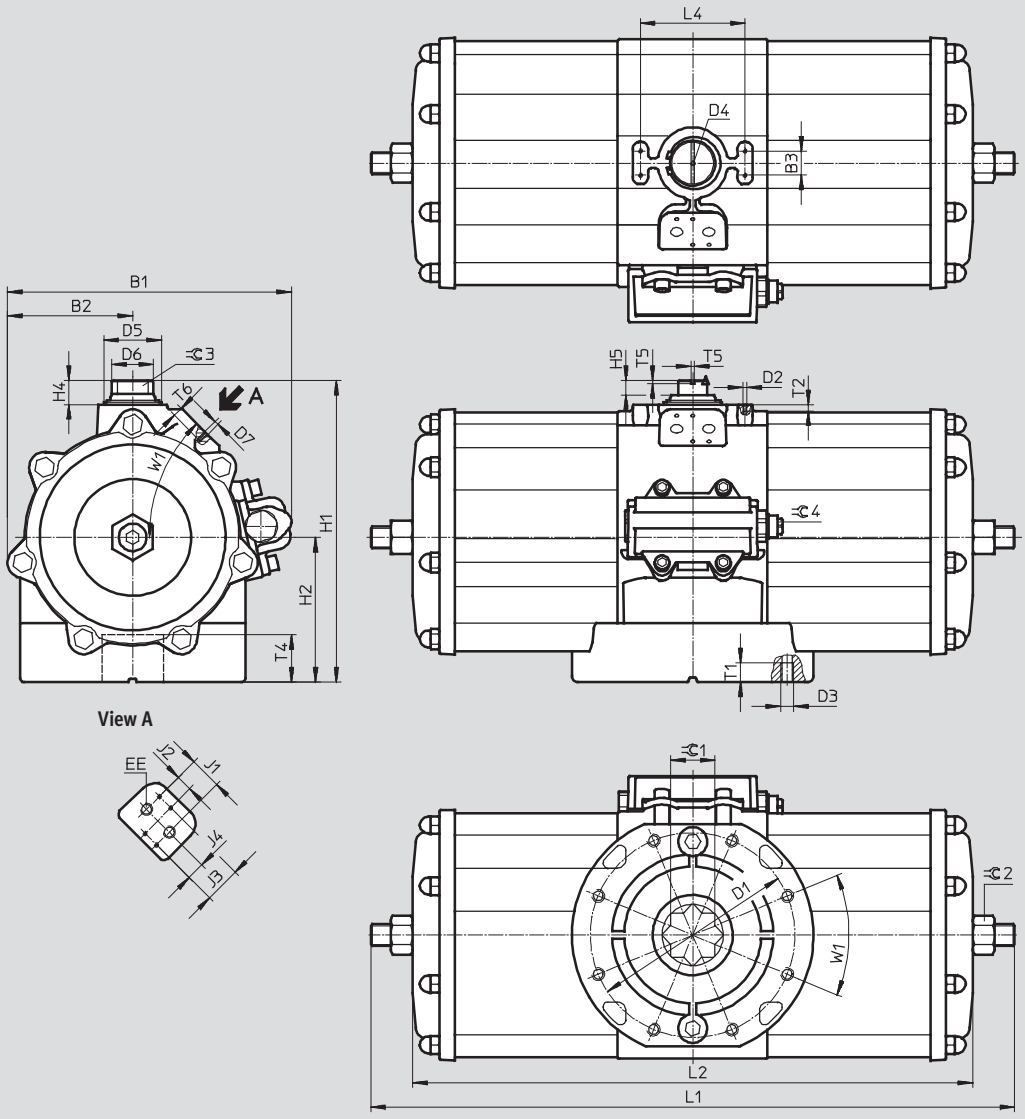


Size	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D7	EE	H1	H2	H4	H5	J1
DAPS-3840-...	241	120	30	165	M5	M20	M6	46	M6	G3/8	315	148.5	30	18.5	40

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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 5760

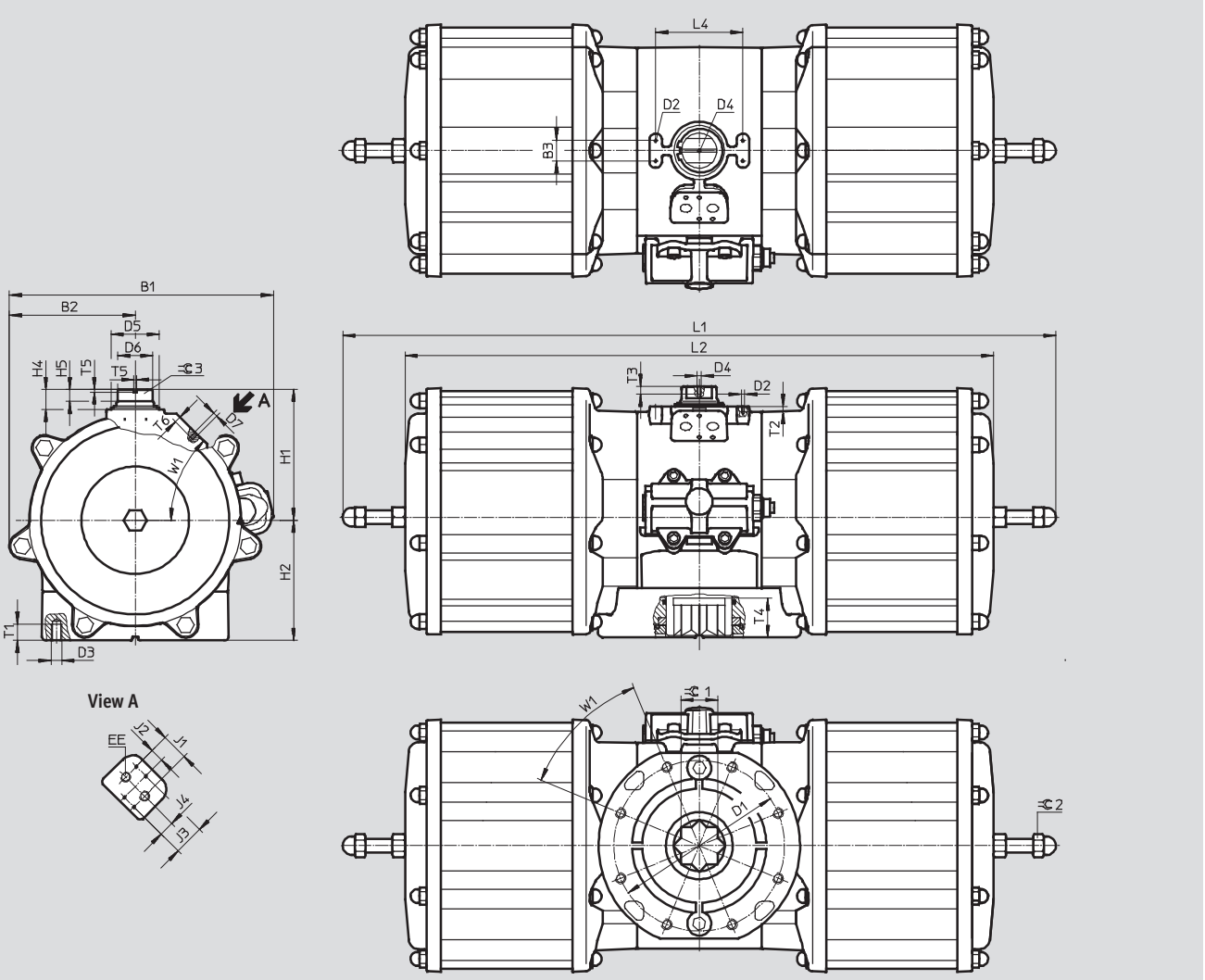


Size	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6	D7	EE	H1	H2	H4	H5	J1
DAPS-5760-...	353	155	30	254	M5	M16	M6	72	52	M5	G3/8	374	179	30	18	40

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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 8000



Size	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	72	52	M6	G3/8	195	179	30	18	40

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

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

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

Quarter turn actuators DAPS, single-acting

Type codes

DAPS	–	0240	–	090	–	R	S	4	–	F10	12

Type	
DAPS	Quarter turn actuator

Size	
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

Swivel angle	
090	90°

Closing direction	
R	Closes to right

Mode of operation	
S	Single-acting

Spring strength	
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

1st flange hole pattern	
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

2nd flange hole pattern	
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

➔ 38

-T- Size

0015 ... 4000

Pressure

15 ... 4000 Nm

General technical data					
Size		0015 ... 0180	0240 ... 0960	1440 ... 1920	2880, 4000
Pneumatic connection		G1⁄8	G1⁄4	G3⁄8	G3⁄8
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[1]	[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[2]		3
CE marking (see declaration of conformity) ➔ www.festo.com		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

Air consumption [l/cycle] at 6 bar	
Size	
DAPS-0015	0.72
DAPS-0030	1.44
DAPS-0053	2.16
DAPS-0090	4.32
DAPS-0120	6
DAPS-0180	8.64
DAPS-0240	12
DAPS-0360	14
DAPS-0480	24
DAPS-0720	29.4
DAPS-0960	48
DAPS-1440	77
DAPS-1920	87.5
DAPS-2880	147
DAPS-4000	174.6

Weights [kg]	
Size	
DAPS-0015	1.3
DAPS-0030	2.2
DAPS-0053	3.2
DAPS-0090	5.4
DAPS-0120	6.9
DAPS-0180	8.7
DAPS-0240	11
DAPS-0360	16.4
DAPS-0480	23.3
DAPS-0720	32
DAPS-0960	41.4
DAPS-1440	60
DAPS-1920	67
DAPS-2880	112
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

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	103.6	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	98.6	47.1	58.6	120	60	80	134.4	68.6	94.3	170	90	130	205.7	111.4	165.7
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	707.7	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

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-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

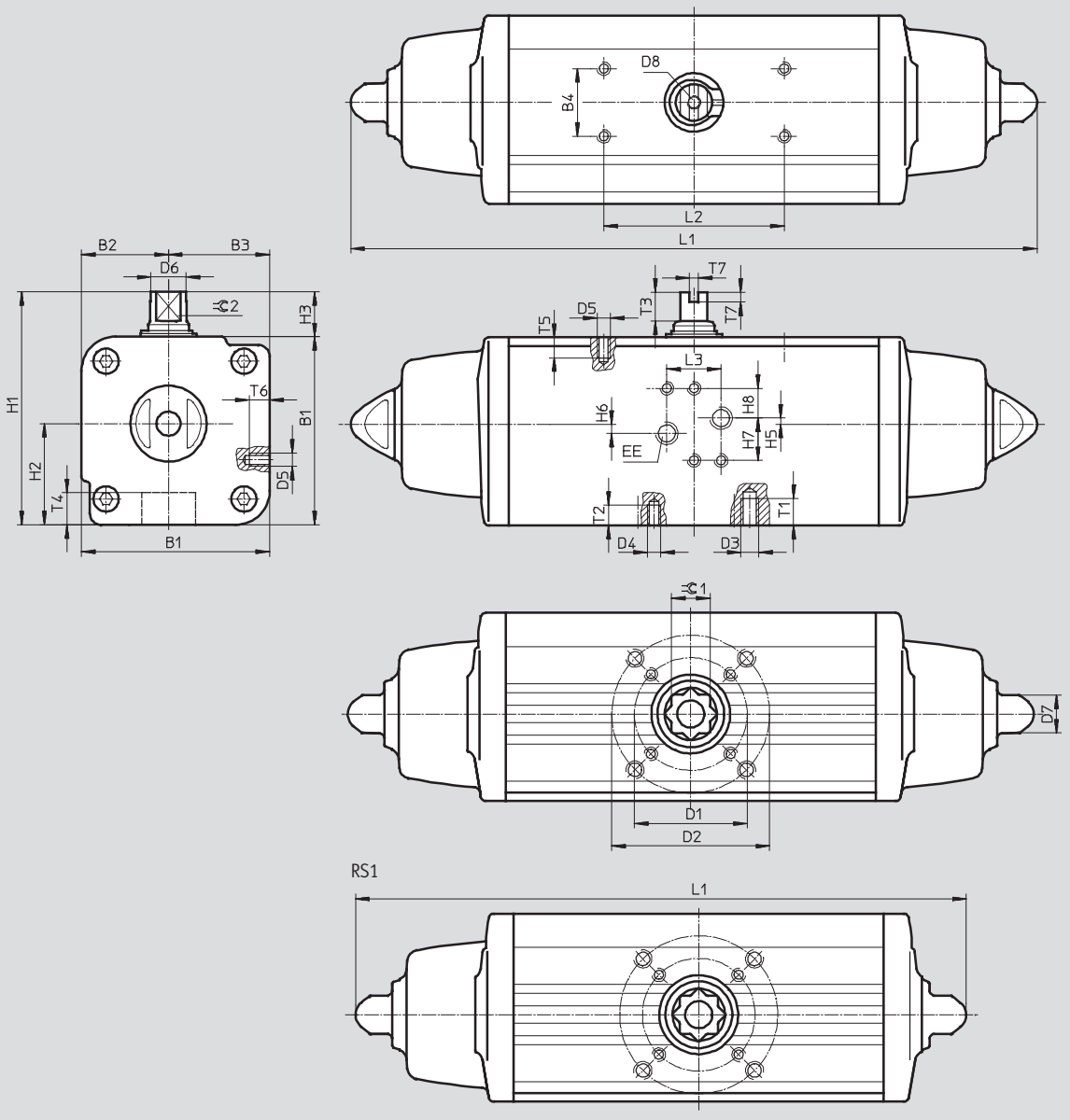
FESTO

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°
DAPS-0480															
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
DAPS-0720															
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
DAPS-0960															
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
DAPS-1440															
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
DAPS-1920															
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
DAPS-2880															
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
DAPS-4000															
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°

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 0015 ... 0180



Quarter turn actuators DAPS, single-acting

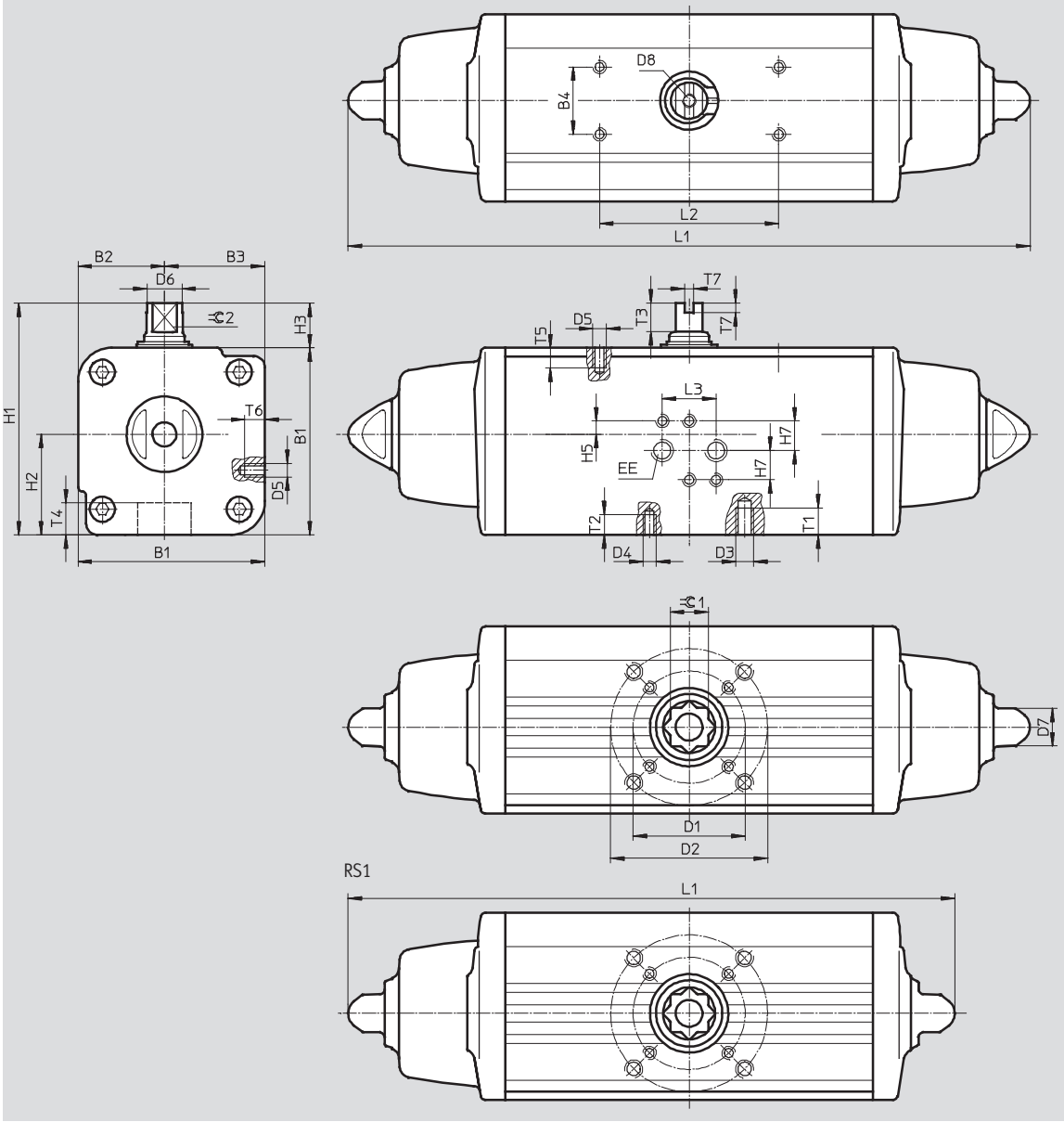
Technical data

Size	B1	B2	B3	B4	D1 ∅ ±0.1	D2 ∅ ±0.1	D3	D4	D5	D6 ∅	D7 ∅	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	9							
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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 0240 ... 0960



Quarter turn actuators DAPS, single-acting

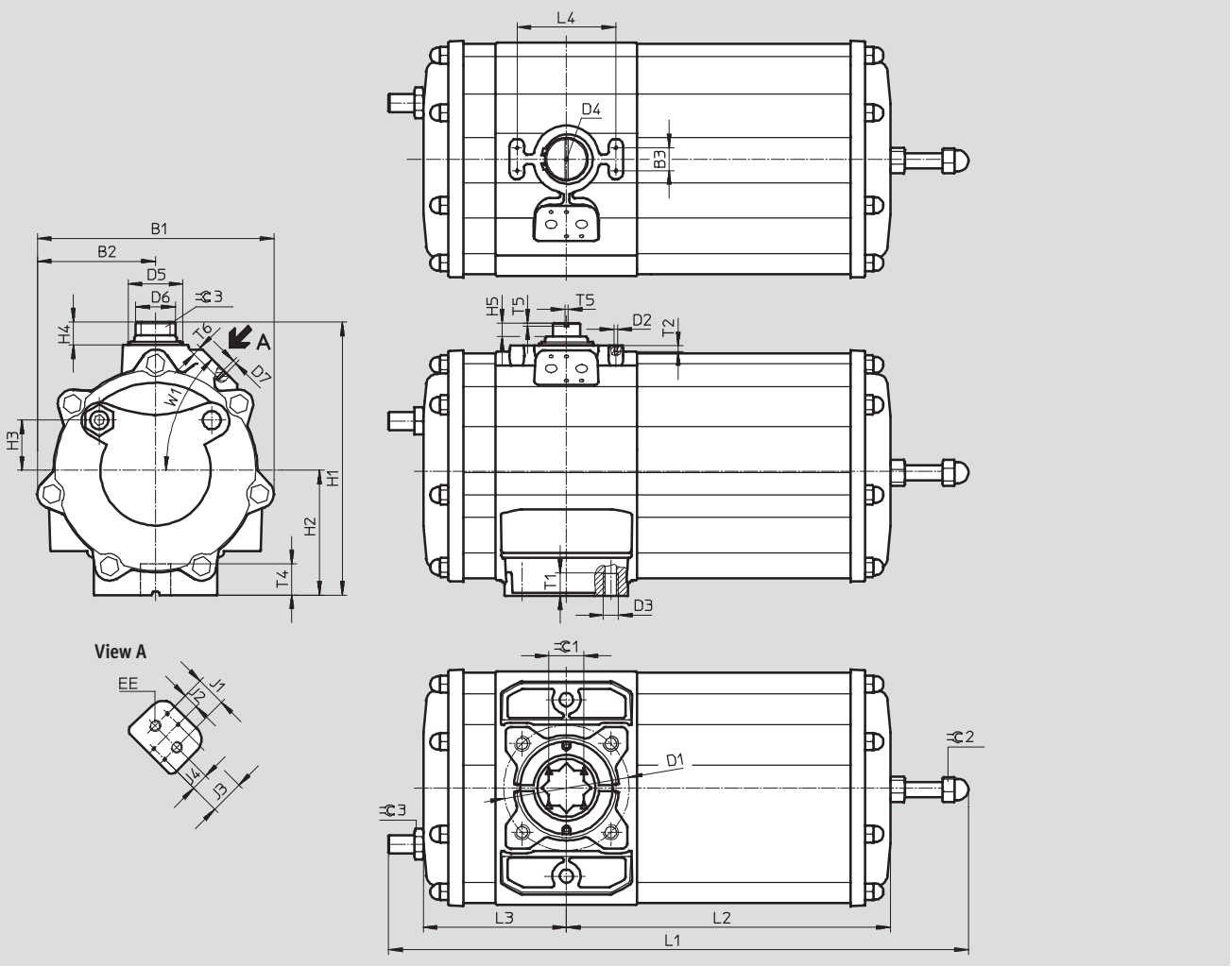
Technical data

Size	B1	B2	B3	B4	D1 ∅	D2 ∅	D3	D4	D5	D6 ∅	D7 ∅	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	M20	M12								

Size	H5	H7	L1		L2	L3	T1	T2	T3	T4	T5	T6	T7	⫃1	⫃2
			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	18							

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 1440

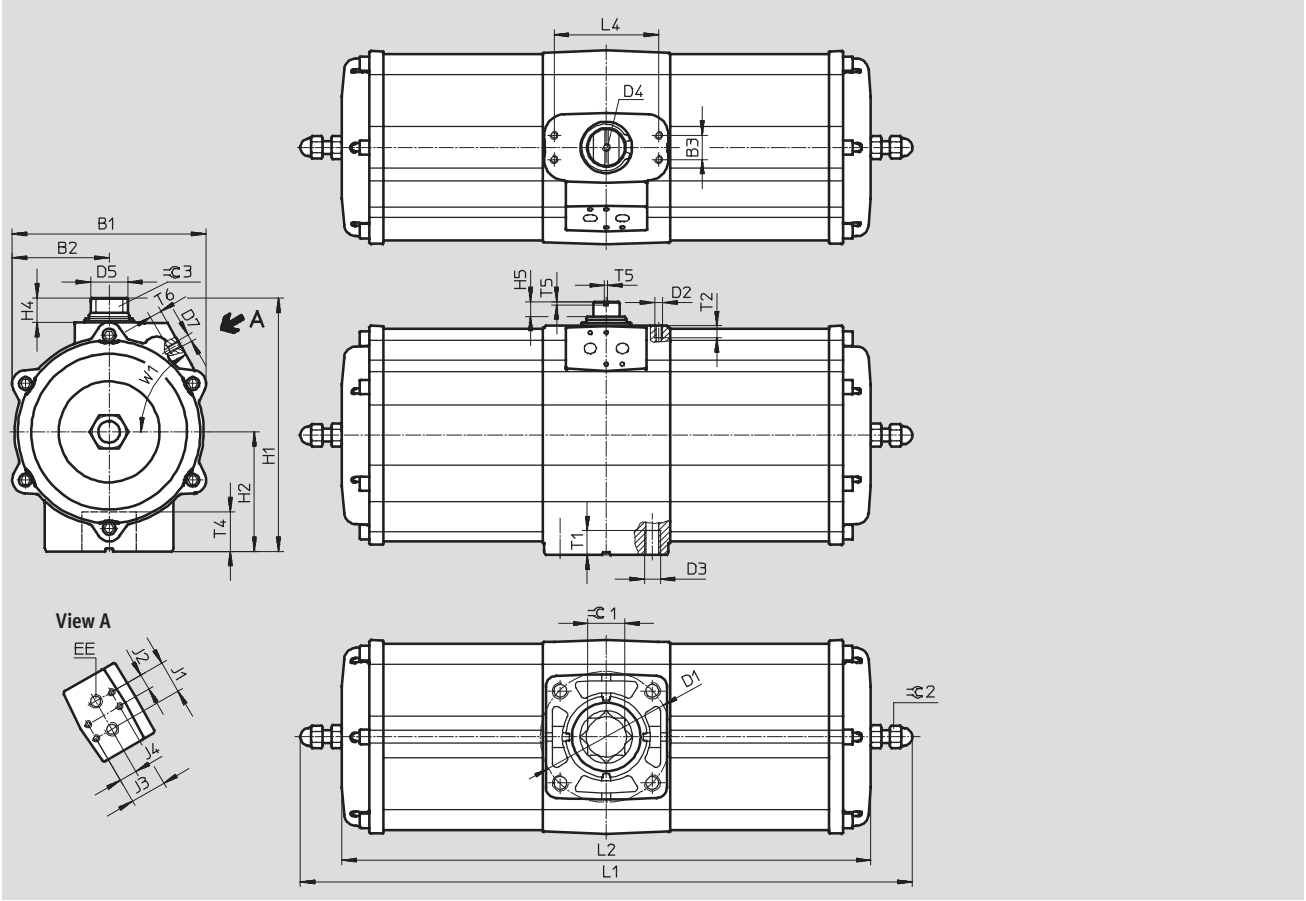


Size	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H3	H4	H5	J1
DAPS-1440-...	311	155	30	165	M5	M20	M6	72	52	M5	G3/8	359	164	66	30	18	40

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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 1920

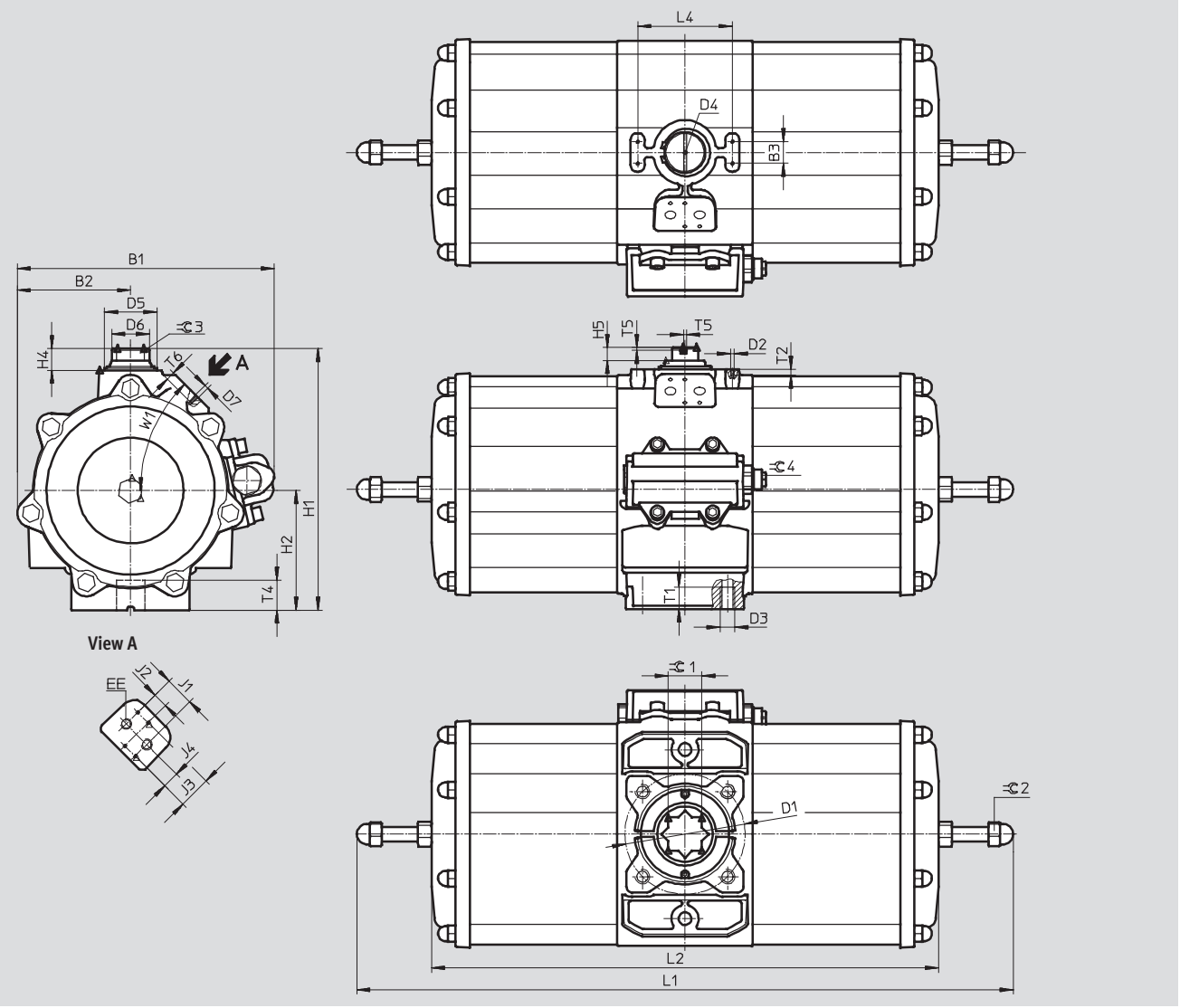


Size	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D7	EE	H1	H2	H4	H5	J1
DAPS-1920-...	241	120	30	165	M5	M20	M6	46	M6	G3/8	315	148.5	30	18.5	40

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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 2880

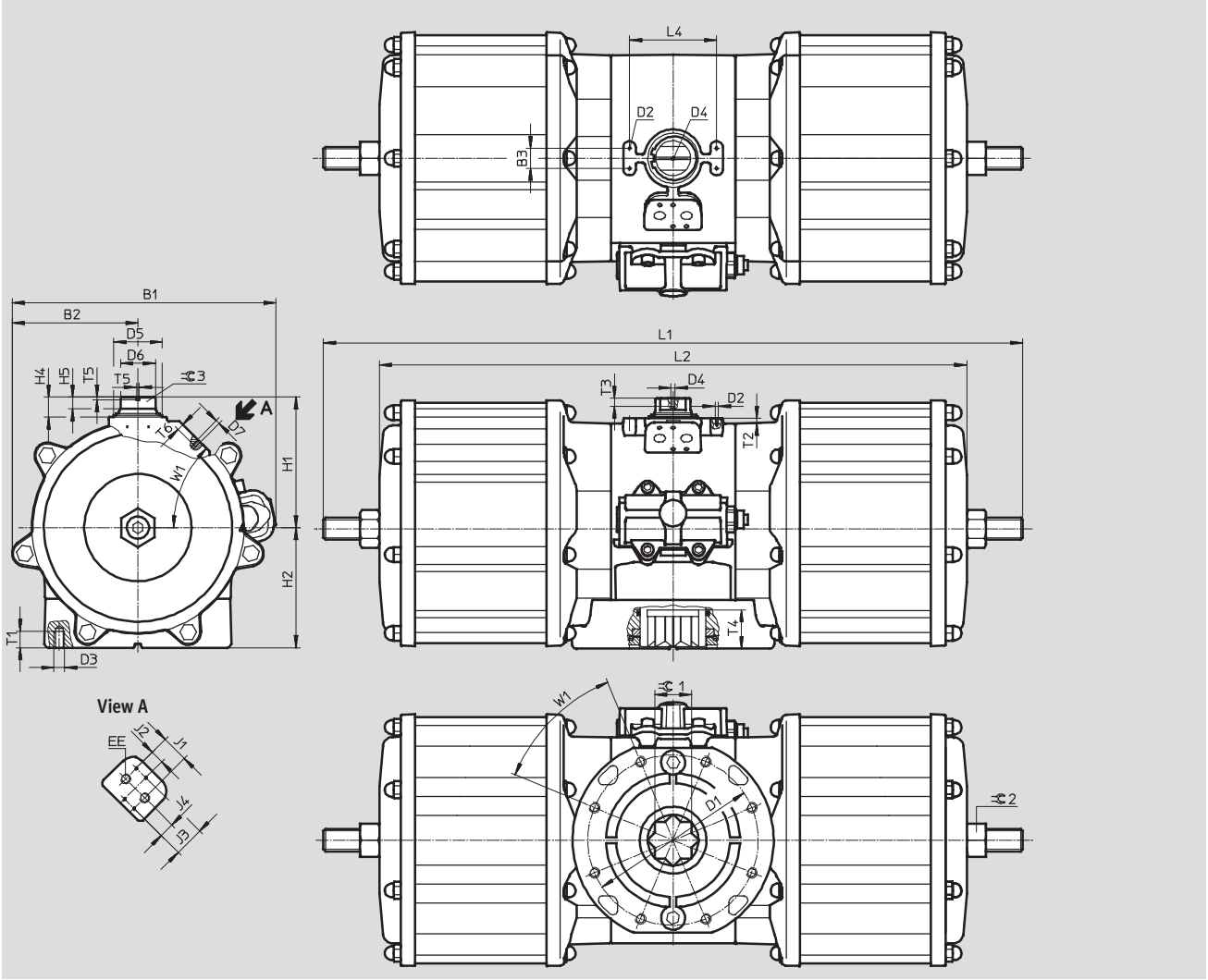


Size	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H4	H5	J1
DAPS-2880-...	353	155	30	165	M5	M20	M6	72	52	M5	G3/8	359	164	30	18	40

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

Dimensions Download CAD Data ➔ **www.festo.com/us/cad**

Size 4000



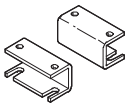
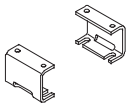
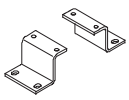
Size	B1	B2	B3	D1 ∅	D2	D3	D4	D5 ∅	D6 ∅	D7	EE	H1	H2	H4	H5	J1
DAPS-4000-...	394	188	30	254	M5	M16	M6	72	52	M6	G3/8	195	179	30	18	40

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

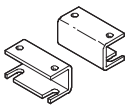
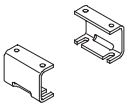
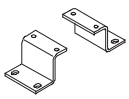
Ordering data	
Part No.	Type
Size 0015	
533427	**DAPS-0015-090-RS1-F0305**
533480	**DAPS-0015-090-RS1-F04**
533428	**DAPS-0015-090-RS2-F0305**
533481	**DAPS-0015-090-RS2-F04**
533429	**DAPS-0015-090-RS3-F0305**
533482	**DAPS-0015-090-RS3-F04**
533430	**DAPS-0015-090-RS4-F0305**
533483	**DAPS-0015-090-RS4-F04**
Size 0030	
533431	**DAPS-0030-090-RS1-F04**
533484	**DAPS-0030-090-RS1-F0507**
533432	**DAPS-0030-090-RS2-F04**
533485	**DAPS-0030-090-RS2-F0507**
53333	**DAPS-0030-090-RS3-F04**
533486	**DAPS-0030-090-RS3-F0507**
533434	**DAPS-0030-090-RS4-F04**
533487	**DAPS-0030-090-RS4-F0507**
Size 0053	
533435	**DAPS-0053-090-RS1-F0507**
533436	**DAPS-0053-090-RS2-F0507**
533437	**DAPS-0053-090-RS3-F0507**
533438	**DAPS-0053-090-RS4-F0507**
Size 0090	
533439	**DAPS-0090-090-RS1-F0710**
533440	**DAPS-0090-090-RS2-F0710**
533441	**DAPS-0090-090-RS3-F0710**
533442	**DAPS-0090-090-RS4-F0710**
Size 0120	
533443	**DAPS-0120-090-RS1-F0710**
533444	**DAPS-0120-090-RS2-F0710**
533445	**DAPS-0120-090-RS3-F0710**
533446	**DAPS-0120-090-RS4-F0710**
Size 0180	
533447	**DAPS-0180-090-RS1-F0710**
533448	**DAPS-0180-090-RS2-F0710**
533449	**DAPS-0180-090-RS3-F0710**
533450	**DAPS-0180-090-RS4-F0710**
Size 0240	
533451	**DAPS-0240-090-RS1-F1012**
533452	**DAPS-0240-090-RS2-F1012**
533453	**DAPS-0240-090-RS3-F1012**
533454	**DAPS-0240-090-RS4-F1012**
Size 0360	
549673	**DAPS-0360-090-RS1-F1012**
549674	**DAPS-0360-090-RS2-F1012**
549675	**DAPS-0360-090-RS3-F1012**
549676	**DAPS-0360-090-RS4-F1012**
Part No.	Type
Size 0480	

533455	**DAPS-0480-090-RS1-F1012**
533488	**DAPS-0480-090-RS1-F14**
533456	**DAPS-0480-090-RS2-F1012**
533489	**DAPS-0480-090-RS2-F14**
533457	**DAPS-0480-090-RS3-F1012**
533490	**DAPS-0480-090-RS3-F14**
533458	**DAPS-0480-090-RS4-F1012**
533491	**DAPS-0480-090-RS4-F14**
Size 0720	
549677	**DAPS-0720-090-RS1-F12**
549681	**DAPS-0720-090-RS1-F14**
549678	**DAPS-0720-090-RS2-F12**
549682	**DAPS-0720-090-RS2-F14**
549679	**DAPS-0720-090-RS3-F12**
549683	**DAPS-0720-090-RS3-F14**
549680	**DAPS-0720-090-RS4-F12**
549684	**DAPS-0720-090-RS4-F14**
Size 0960	
533459	**DAPS-0960-090-RS1-F14**
533492	**DAPS-0960-090-RS1-F1216**
533460	**DAPS-0960-090-RS2-F14**
533493	**DAPS-0960-090-RS2-F1216**
533461	**DAPS-0960-090-RS3-F14**
533494	**DAPS-0960-090-RS3-F1216**
533462	**DAPS-0960-090-RS4-F14**
533495	**DAPS-0960-090-RS4-F1216**
Size 1440	
549685	**DAPS-1440-090-RS1-F16**
549686	**DAPS-1440-090-RS2-F16**
549687	**DAPS-1440-090-RS3-F16**
549688	**DAPS-1440-090-RS4-F16**
Size 1920	
549689	**DAPS-1920-090-RS1-F16**
549690	**DAPS-1920-090-RS2-F16**
549691	**DAPS-1920-090-RS3-F16**
549692	**DAPS-1920-090-RS4-F16**
Size 2880	
549693	**DAPS-2880-090-RS1-F16**
549694	**DAPS-2880-090-RS2-F16**
549695	**DAPS-2880-090-RS3-F16**
549696	**DAPS-2880-090-RS4-F16**
Size 4000	
560856	**DAPS-4000-090-RS1-F25**
561694	**DAPS-4000-090-RS2-F25**
561695	**DAPS-4000-090-RS3-F25**
561696	**DAPS-4000-090-RS4-F25**

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

Ordering data – Adapter kits for mounting the sensor boxes SRBP, SRAP					
	Size	Dimensions [mm]	CRC[1]	Part No.	Type
DAPS double-acting					
	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 [mm]	CRC[1]	Part No.	Type
DAPS single-acting					
	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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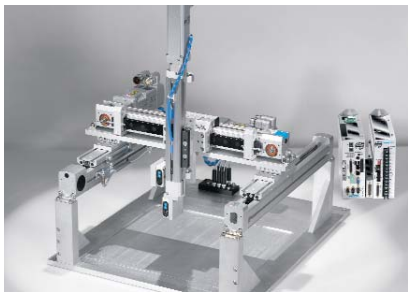

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