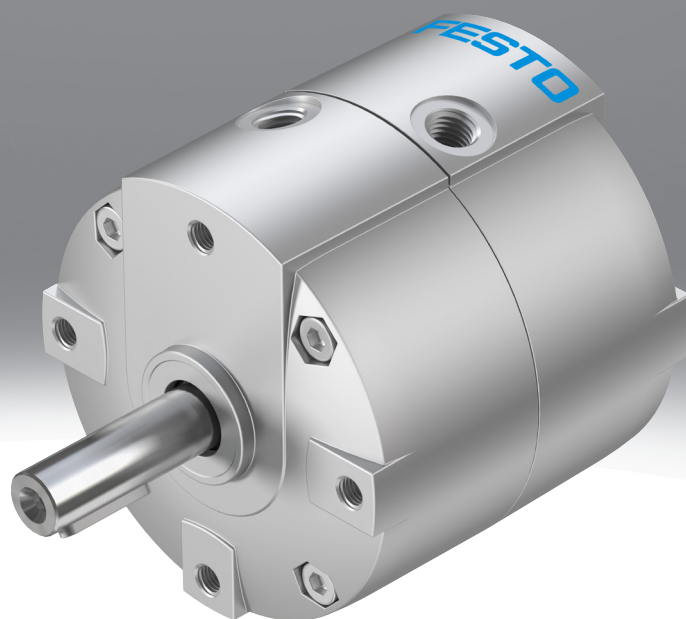


Semi-rotary drive DRVS

FESTO



Characteristics

At a glance

[Link](#)  [drvs](#)

- Double-acting quarter turn actuator with vane
- Lighter than other semi-rotary drives
- Modern and compact design
- Fixed swivel angle
- Adjustable swivel angle with the aid of accessories
- Housing protected against splash water and dust
- No metallic fixed stop

Diagrams

[Link](#)  [drvs](#)


The diagrams shown in this document are also available online. There, it is possible to display precise values.

Nominal swivel angle [°]

- [90] 90°
- [180] 180°
- [270] 270°

Cushioning

End-position cushioning has the following functions:

- Reduces kinetic energy in the end positions
- Avoids vibrations
- Reduces noise generation

[P] Elastic cushioning rings/plates at both ends

The actuator is fitted with elastic polymer end-position cushioning.

Benefits:

- No adjustment required
- Saves time

EX certification EU

[EX4] II 2GD

- ATEX category for gas II 2G
- Ex ignition protection type for gas Ex h IIC T4 Gb X
- ATEX category for dust II 2D
- Ex ignition protection type for dust Ex h IIIC T120°C Db X
- Explosion-proof ambient temperature rating $0^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

Type code

001	Series		003	Nominal swivel angle [°]	
DRVS	Quarter turn actuator, double-acting		90	90 deg	
			180	180 deg	
			270	270 deg	
002	Size [mm]		004	Cushioning	
6	6		P	Elastic cushioning rings/plates at both ends	
8	8				
12	12		005	EX certification EU	
16	16			None	
25	25				
32	32		EX4	II 2GD	
40	40				

Datasheet

General technical data

General technical data							
Size	6	8	12	16	25	32	40
Structural design	Rotary vane						
Cushioning	Elastic cushioning rings/pads at both ends						
Type of mounting	With internal thread						
Mounting position	Any						
Nominal swivel angle [°]	90, 180		90, 180, 270				
Cushioning angle	0.5 deg						
Repetition accuracy	1 deg						

General technical data

Size	6		8		12			16			25			32			40		
Nominal swivel angle [°]	90	180	90	180	90	180	270	90	180	270	90	180	270	90	180	270	90	180	270
Max. swivel frequency at 6 bar	3 Hz						2 Hz	3 Hz		2 Hz	3 Hz		2 Hz	3 Hz		2 Hz	3 Hz		2 Hz

Operating and environmental conditions

Operating and environmental conditions							
Size	6	8	12	16	25	32	40
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]						
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)						
Operating pressure	0.35 ... 0.8 MPa		0.25 ... 0.8 MPa		0.2 ... 0.8 MPa		
Operating pressure	3.5 ... 8 bar		2.5 ... 8 bar		2 ... 8 bar		
Operating pressure	50.75 ... 116 psi		36.25 ... 116 psi		29 ... 116 psi		
Ambient temperature ¹⁾	0 ... 60°C						
Corrosion resistance class (CRC) ²⁾	1 - Low corrosion stress						

1) Note operating range of proximity switches

2) Further information, visit www.festo.com/x/topic/kbk

ATEX

Size ¹⁾	6	8	12	16	25	32	40
ATEX category gas	II 2G						
Type of ignition protection for gas	Ex h IIC T4 Gb X						
ATEX category for dust	II 2D						
Type of (ignition) protection for dust	Ex h IIIC T120°C Db X						
Explosive ambient temperature	0°C ≤ Ta ≤ +60°C						
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)						
UKCA marking (see declaration of conformity)	acc. to UK EX instructions						
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)						

1) Note the ATEX certification of the accessories

Weights – DRVS-6 ... 16

Size	6		8		12			16		
Nominal swivel angle [°]	90	180	90	180	90	180	270	90	180	270
Product weight	38 g		68 g		154 g	152 g	150 g	272 g	270 g	268 g

Weights – DRVS-25 ... 40

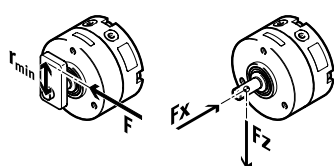
Size	25			32			40		
Nominal swivel angle [°]	90	180	270	90	180	270	90	180	270
Product weight	502 g	494 g	486 g	928 g	912 g	896 g	1,530 g	1,500 g	1,470 g

Datasheet

Materials

Materials							
Size	6	8	12	16	25	32	40
Housing material	Wrought aluminum alloy, anodized		Die cast aluminum, painted				
Drive shaft material	high-alloy stainless steel			Steel, nickel-plated			
Seals material	TPE-U(PU)						
Note on materials	RoHS compliant						
LABS (PWIS) conformity	VDMA24364-B2-L						
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1						
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)						

Forces and torques



External stops must be used if the quarter turn actuators DRVS are used without a stop system or the mass moments of inertia are exceeded. The radius to the output shaft must not be less than the minimum value (r_{min}). The stop force must not exceed a maximum force.

Minimum radius to output shaft = r_{min}

Stop force = F

Axial force = F_x

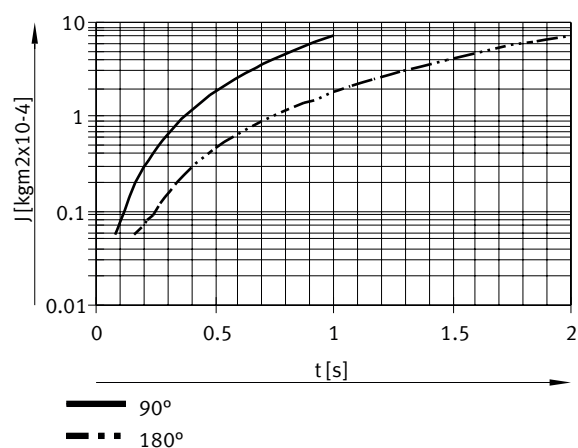
Radial force = F_z

Size	6	8	12	16	25	32	40
Theoretical torque at 6 bar	0.15 Nm	0.35 Nm	1 Nm	2 Nm	5 Nm	10 Nm	20 Nm
Permissible stop radius	≥ 10 mm		≥ 15 mm	≥ 17 mm	≥ 21 mm	≥ 28 mm	≥ 40 mm
Max. stop force	15 N	30 N	90 N	160 N	320 N	480 N	650 N
Max. axial force ¹⁾	10 N		20 N	25 N	40 N	75 N	120 N
Max. radial force ²⁾	15 N	20 N	25 N	30 N	60 N	200 N	350 N
Permissible mass moment of inertia	0.00065 kgm ²	0.0013 kgm ²	0.005 kgm ²	0.01 kgm ²	0.012 kgm ²	0.02 kgm ²	0.035 kgm ²

1) Reference point for the forces is the axis of rotation and the center of the output shaft

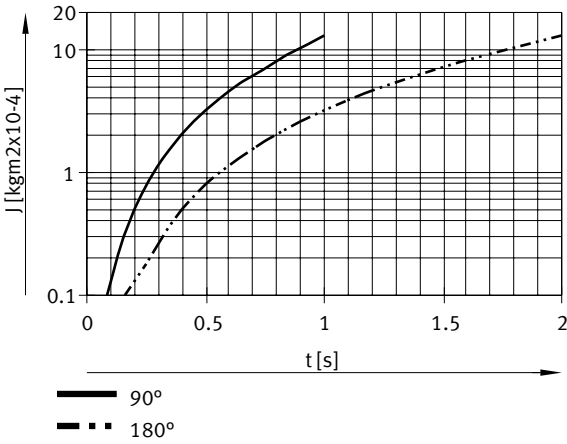
2) Reference point for the forces is the axis of rotation and the center of the output shaft

Mass moment of inertia J as a function of swivel time t – DRVS-6

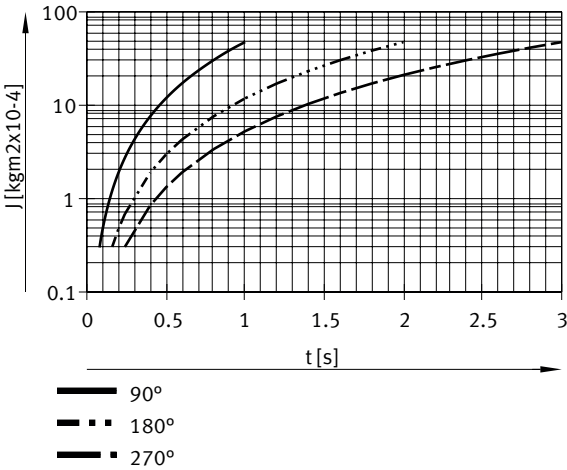


Datasheet

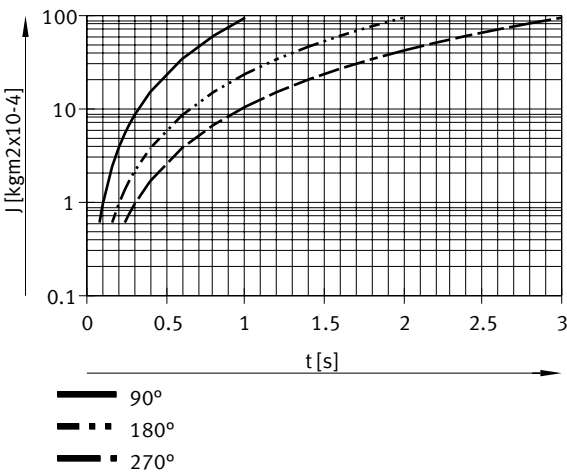
Mass moment of inertia j as a function of swivel time t – DRVS-8



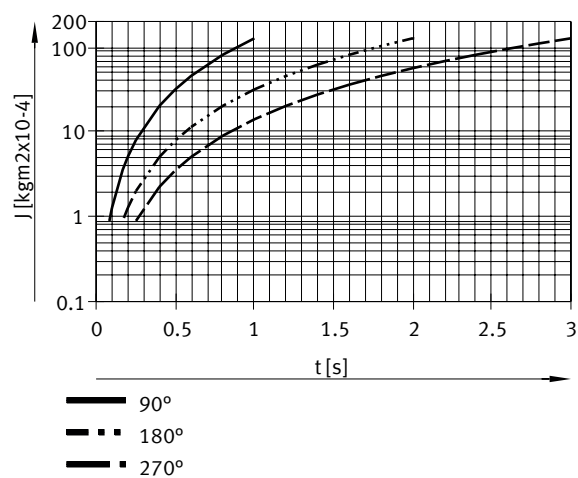
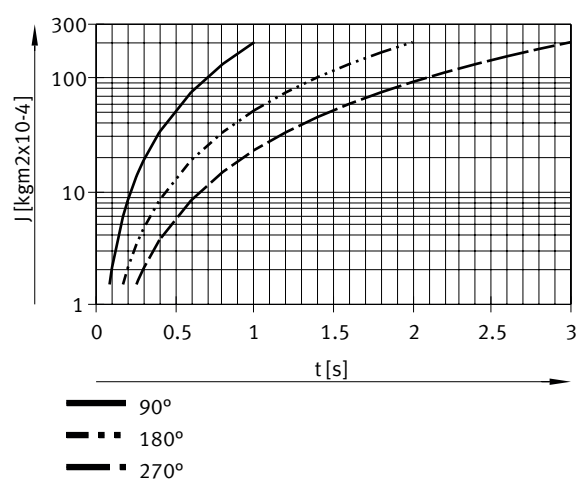
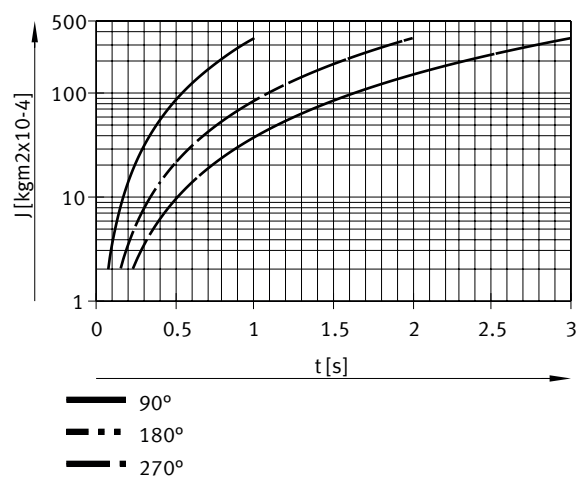
Mass moment of inertia j as a function of swivel time t – DRVS-12



Mass moment of inertia j as a function of swivel time t – DRVS-16

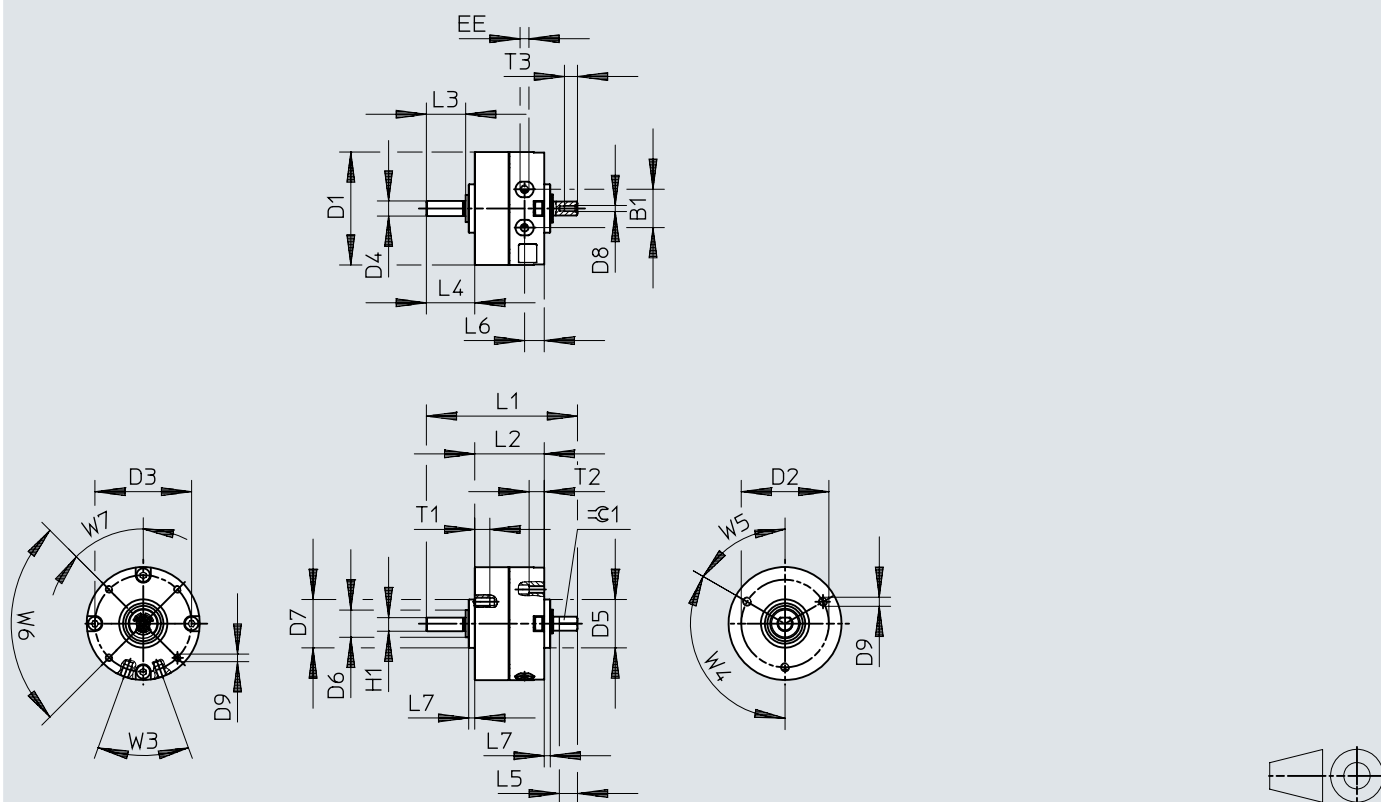


Datasheet

Mass moment of inertia J as a function of swivel time t – DRVS-25Mass moment of inertia J as a function of swivel time t – DRVS-32Mass moment of inertia J as a function of swivel time t – DRVS-40

Dimensions

Dimensions – Size 6/8

Download CAD data www.festo.com

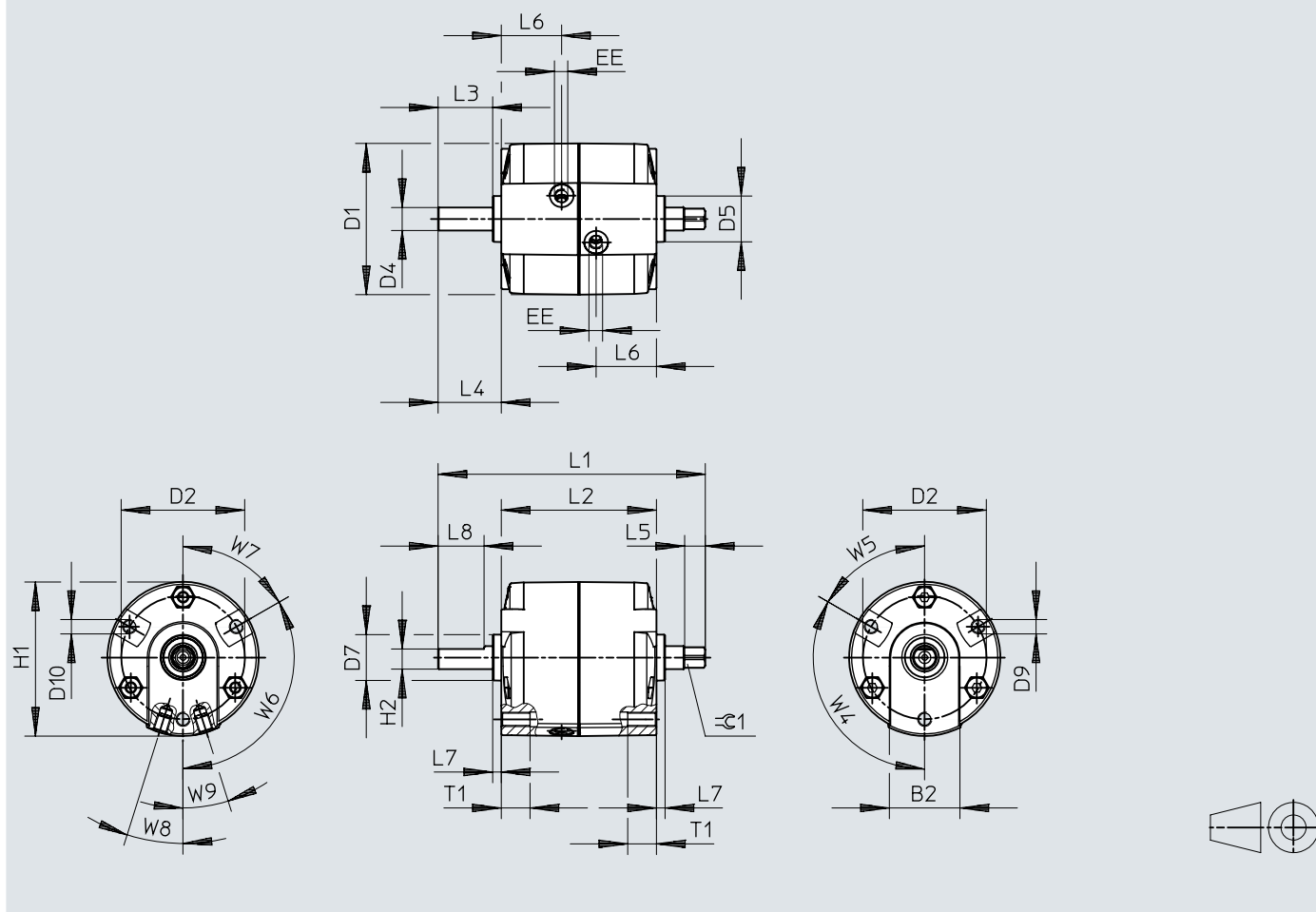
	B1	D1 ∅ ±0,2	D2 ∅ ±0,1	D3 ∅ ±0,1	D4 ∅ g7	D5 ∅ f8	D6 ∅	D7 ∅ f8	D8	D9
DRVS-6	10	29,4	24	25	4	14	8	14	M2	M3
DRVS-8	12,8	37,4	29	32	5	16	9	16	M2	M3

	D10	EE	H1 -0,2	L1	L2	L3	L4	L5 -0,2	L6	L7
DRVS-6	M2	M3	3,5	43	21	10	13	5	6	2
DRVS-8	M2,5	M3	4,5	50	23	13	16	6	6,5	2

	T1 +0,5	T3 +0,5	W3	W4	W5	W6	W7	≈ 1	
DRVS-6	5	3,5	40°	120°	60°	90°	45°	3	
DRVS-8	5	4,3						3,5	

Dimensions

Dimensions – Size 12/16

Download CAD data www.festo.com

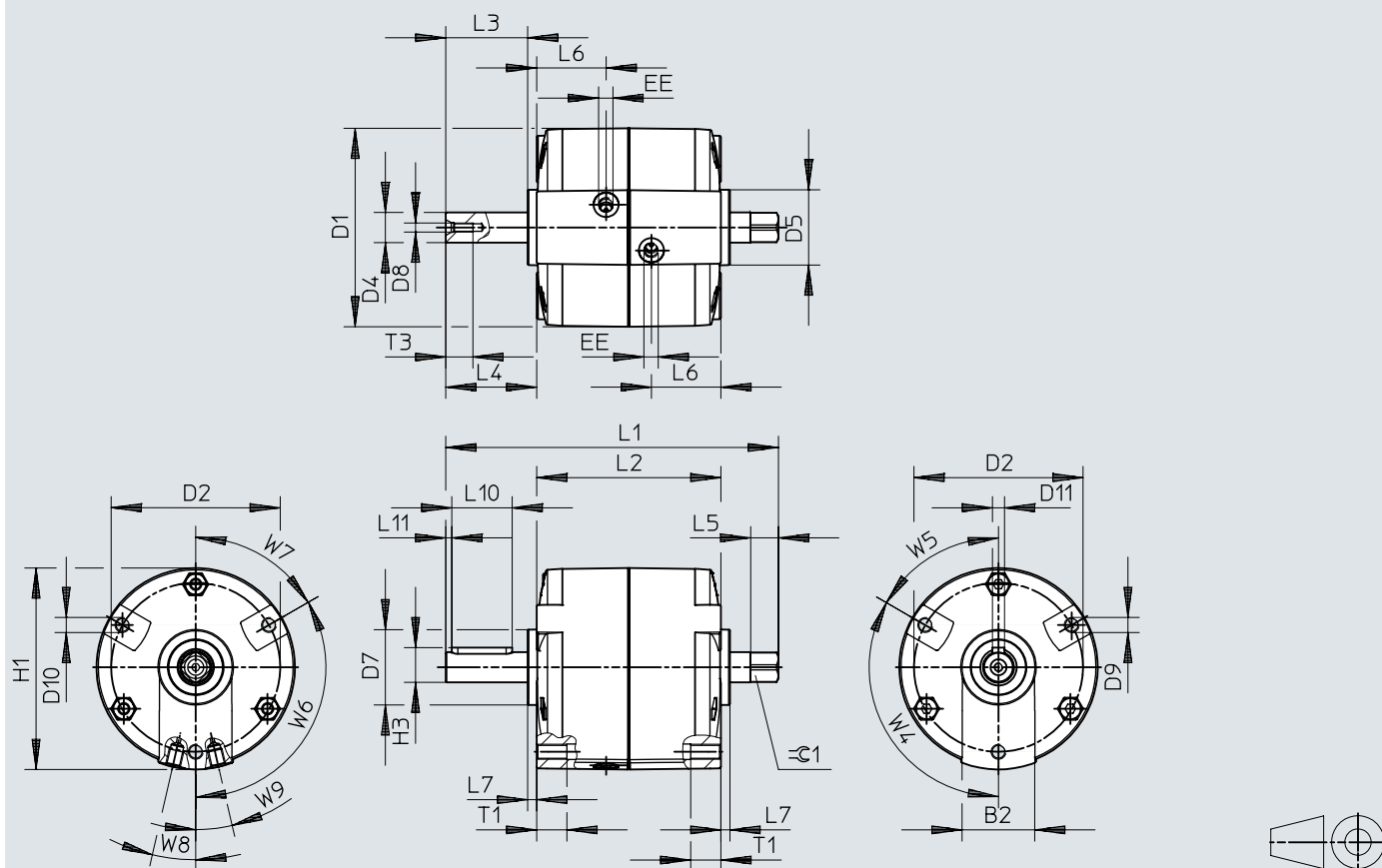
	B2	D1 Ø	D2 Ø ±0,2	D4 Ø g7	D5 Ø ±0,1	D7 Ø ±0,1	D9	EE	H1
DRVS-12	24	45,5	36	6	14	14	M4	M5	46,3
DRVS-16	24,5	52,7	43	8	16	16	M5	M5	53,7

	H2	L1	L2	L3	L4	L5	L6	L7	L8
	±0,1		+0,6/−0,2					+0,1/−0,1	+0,4
DRVS-12	5	73+0,2/−0,1	40,5	17	20+0,4/−0,6	9±0,1	14,8	3	14
DRVS-16	7	93+0,2/−0,2	54	19	22+0,4/−0,7	7,2+0,1	21	3	16

	T1	W4	W5	W6	W7	W8	W9	≈ 1
DRVS-12	8	120°	60°	120°	60°	19,5°	19,5°	4,5 _{h11}
DRVS-16	10					17,5°	17,5°	6 _{-0,1}

Dimensions

Dimensions – Size 25

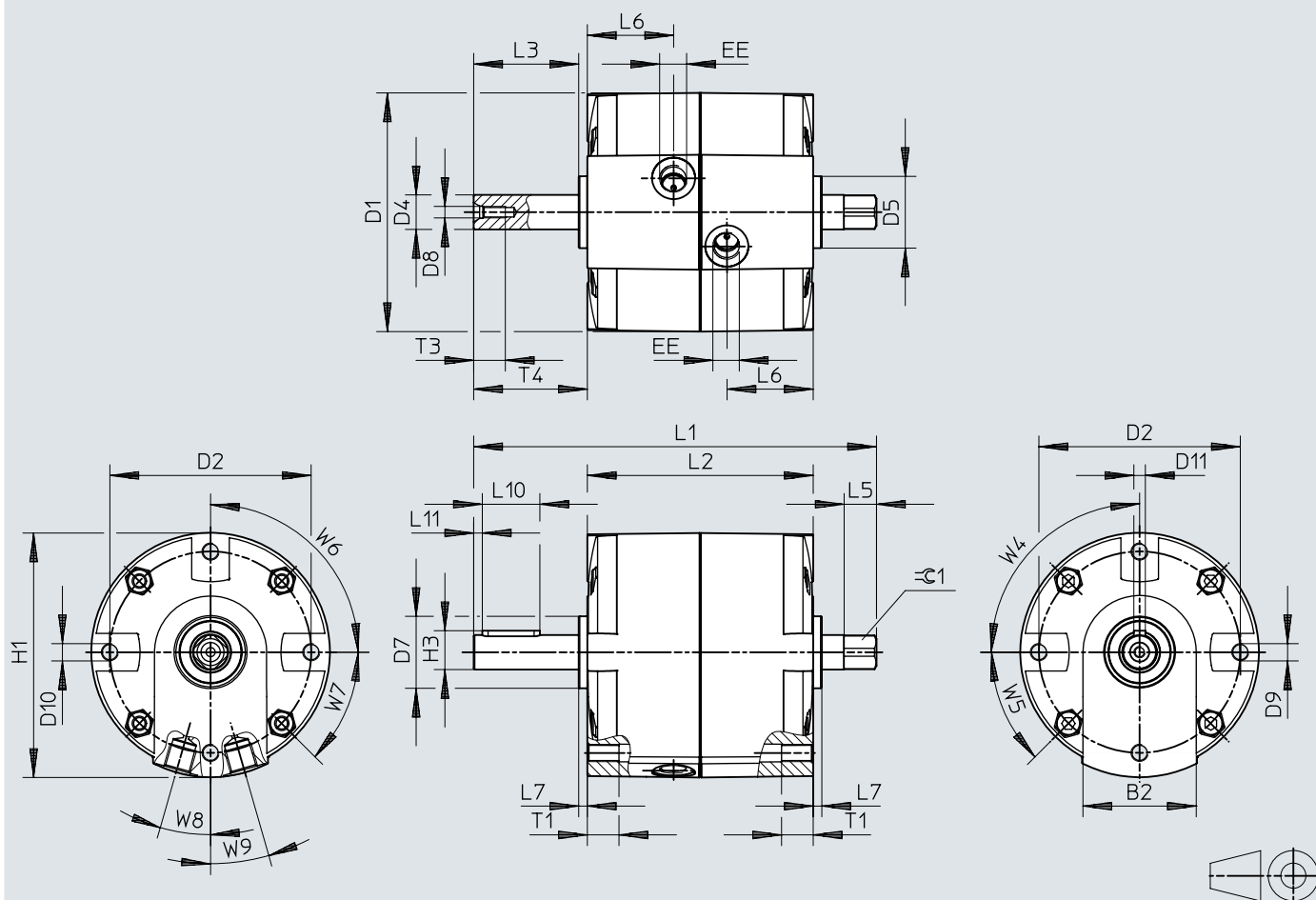
Download CAD data www.festo.com

	B2	D1 ø	D2 ø ±0,2	D4 ø g7	D5 ø ±0,1	D7 ø ±0,1	D8	D9
DRVS-25	24	65,7	56	10	25	25	M3	M5
	D11 N9	EE	H1	H3	L1	L2	L3	L4
				-0,2	+0,2/-0,3	+0,3/-0,2		+0,3/-0,4
DRVS-25	4	M5	66,7	11,5	110,2	61	27,1	30,1
	L5	L6	L7	L10	L11	T1	T3	W4
			+0,1/-0,1	+0,1			+3	
DRVS-25	9,2	23	3	20	2	10	9	120°
	W5	W6	W7	W8	W9	⌀ 1	1)	
						-0,1		
DRVS-25	60°	120°	60°	13°	13°	8	A4x4x20	

1) Featherkey included in the scope of delivery

Dimensions

Dimensions – Size 32/40

Download CAD data www.festo.com

Dimensions

	B2	D1 ø	D2 ø ±0,2	D4 ø g7	D5 ø ±0,1	D7 ø ±0,1	D8	D9
DRVS-32	39	83	70	12	25	25	M4	M6
DRVS-40	42	100,1	87	17	30	30	M5	M8

	D11 N9	EE	H1	H3 -0,2	L1 +0,2/-0,3	L2	L3	L4 +0,3/-0,6
DRVS-32	4	G1/8	85	13,5	140	78,5+0,5/-0,1	36,5	39,5
DRVS-40	5	G1/8	102,6	19	170	93+0,4	50,5	53,5

	L6	L7	L10	L11	T1	T3 +3	W4	W5
DRVS-32	30	3+0,1/-0,2	20+0,1	3	11	11	90°	45°
DRVS-40	37	3+0,2	36,1+0,3	5	13+3	13		

	W6	W7	W8	W9	≅ 1 h11	1)		
DRVS-32	90°	45°	16°	16°	10	A4x4x20		
DRVS-40			14,5°	14,5°	13	A5x5x36		

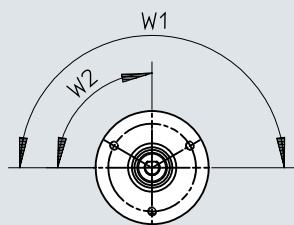
1) Featherkey according to DIN 6885 included in the scope of delivery

Dimensions

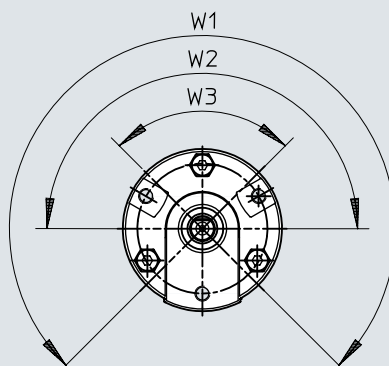
Dimensions – DRVS – shaft position

Download CAD data www.festo.com

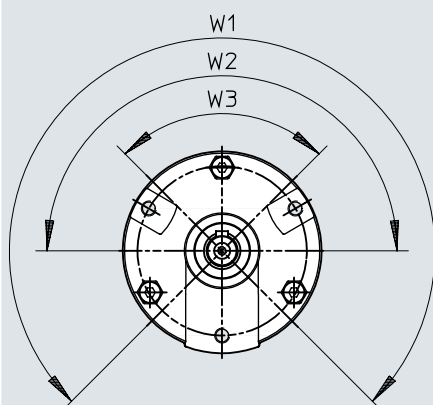
DRVS-6/8-...



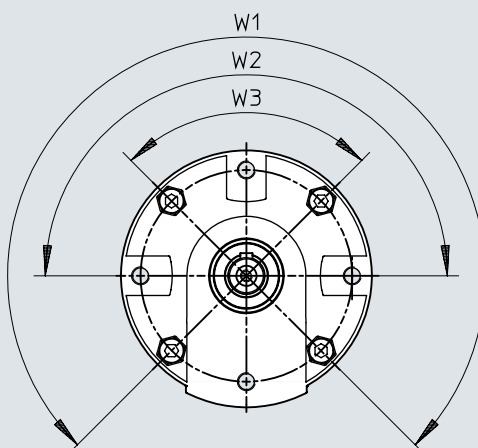
DRVS-12/16-...



DRVS-25-...



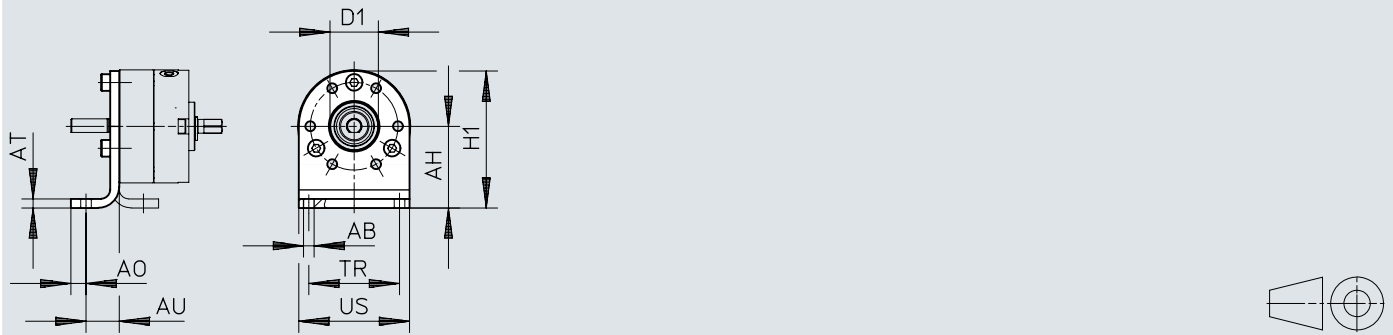
DRVS-32/40-...



	W1	W2	W3
DRVS-6 ... 8	$180^{\circ} +5$	$90^{\circ} +5$	–
DRVS-12 ... 40	$270^{\circ} +7$	$180^{\circ} +7$	$90^{\circ} +7$

Dimensions

Dimensions – Foot mounting DAMH for DRVS-6/8 Download CAD data www.festo.com



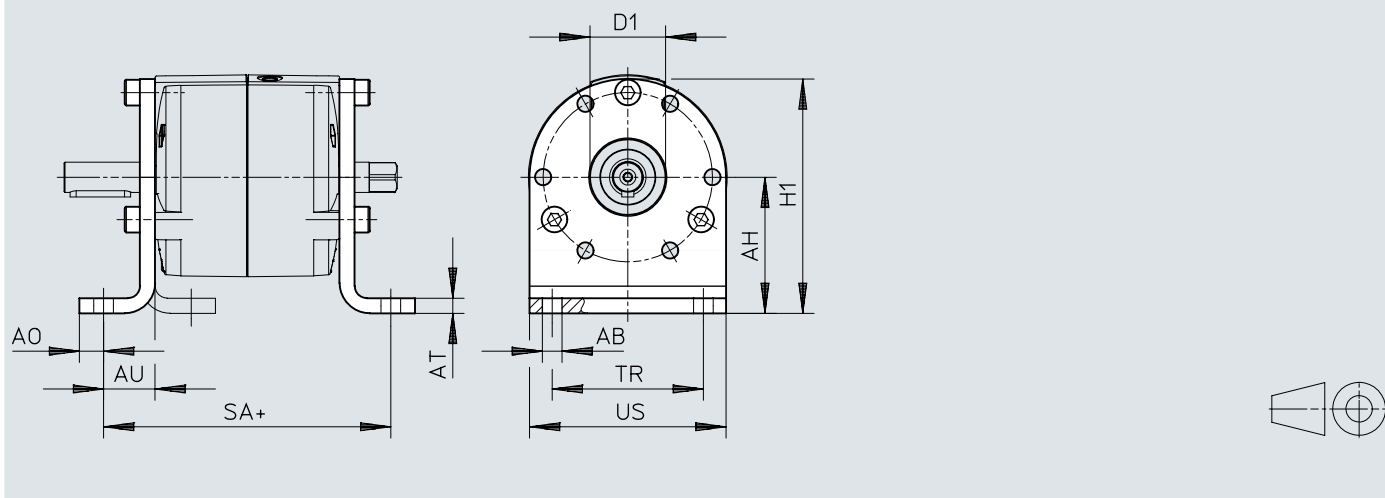
[1] For DRVS-6 ... 8, the foot mountings can only be installed at the front.

	AB Ø H13	AH	AO	AT	AU	D1 Ø	H1	TR	US
DAMH-Q12-6	3,5	22±0,2	4	3	11	14 ^{+0,05}	36,8±0,5/-0,3	20	29,6±0,3/-0,2
DAMH-Q12-8	3,5	27±0,2	5	3	11	16 ^{+0,05}	45,3±0,4	30	36,6±0,3

Dimensions

Dimensions – Foot mounting DAMH for DRVS-12 ... 25

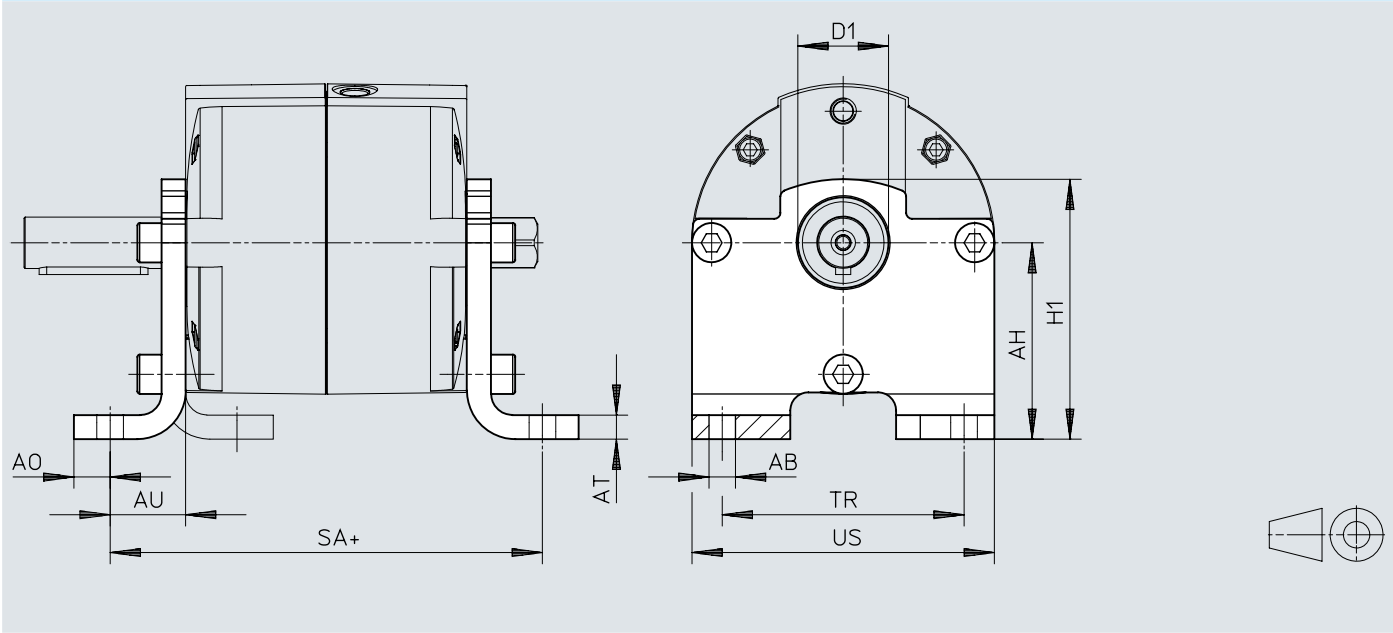
Download CAD data www.festo.com



	AB Ø H13	AH	AO	AT	AU	D1 Ø	H1	SA	TR	US
DAMH-Q12-12	5,5	30±0,2	6	4	14	14 ^{H10}	52+0,5/-0,3	68,5	30	44 _{-0,5}
DAMH-Q12-16	5,5	35±0,25	7	4	15	16 ^{H10}	61+0,5/-0,3	84	40	52 _{-0,5}
DAMH-Q12-25	6,5	45±0,25	8	5	17	25 ^{H10}	77,5+0,5/-0,3	95	50	65 _{-0,5}

Dimensions

Dimensions – Foot mounting DAMH for DRVS-32/40 Download CAD data www.festo.com

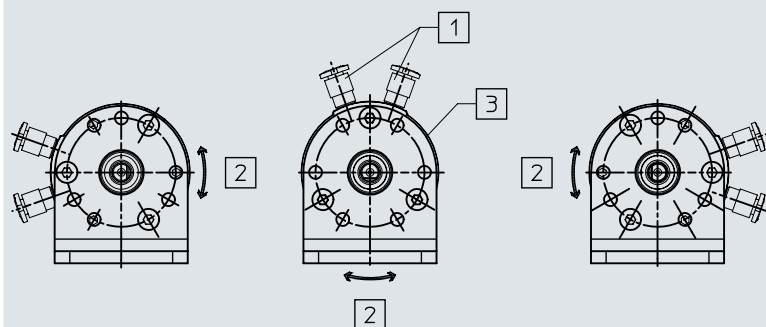


	AB ø H13	AH	AO	AT	AU	D1 ø	H1	SA	TR	US
DAMH-Q12-32	8,8	55±0,3	11	6	21	25 ^{H10}	73±0,5	122,5	60	81,5 _{-0,5}
DAMH-Q12-40	8,8	65±0,3	12	8	25	30 ^{H10}	86±0,5	143	80	100±0,3

Dimensions

Dimensions – Foot mounting DAMH-Q12 – Mounting variants in conjunction with supply ports

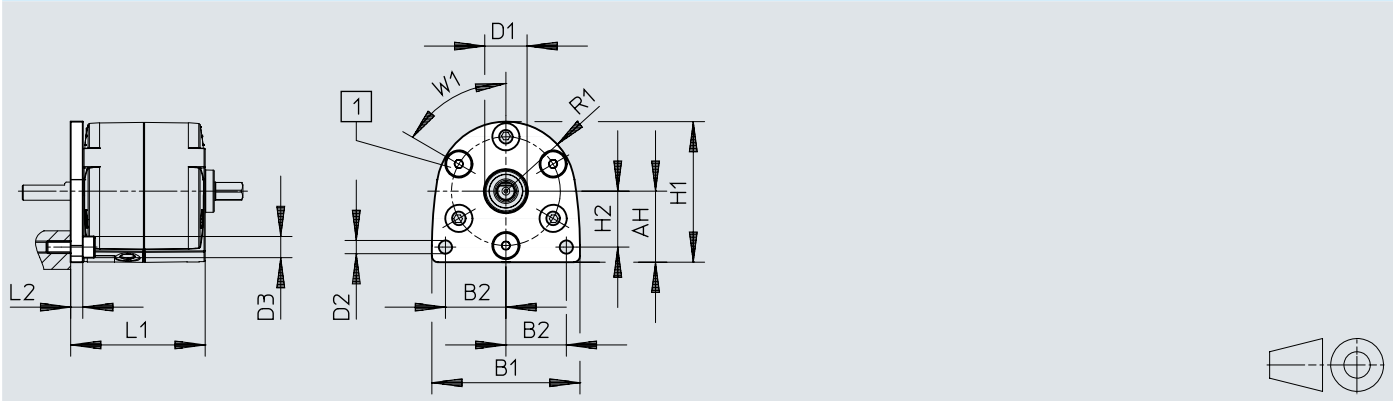
Download CAD data www.festo.com



- [1] Supply ports (three mounting variants are possible in conjunction with the DAMH foot mounting)
- [2] Mid-position of the swivel angle
- [3] Shaft position in standard position (position of swivel angle)

Dimensions

Dimensions – Flange mounting DAMF for DRVS-12 ... 25 Download CAD data www.festo.com



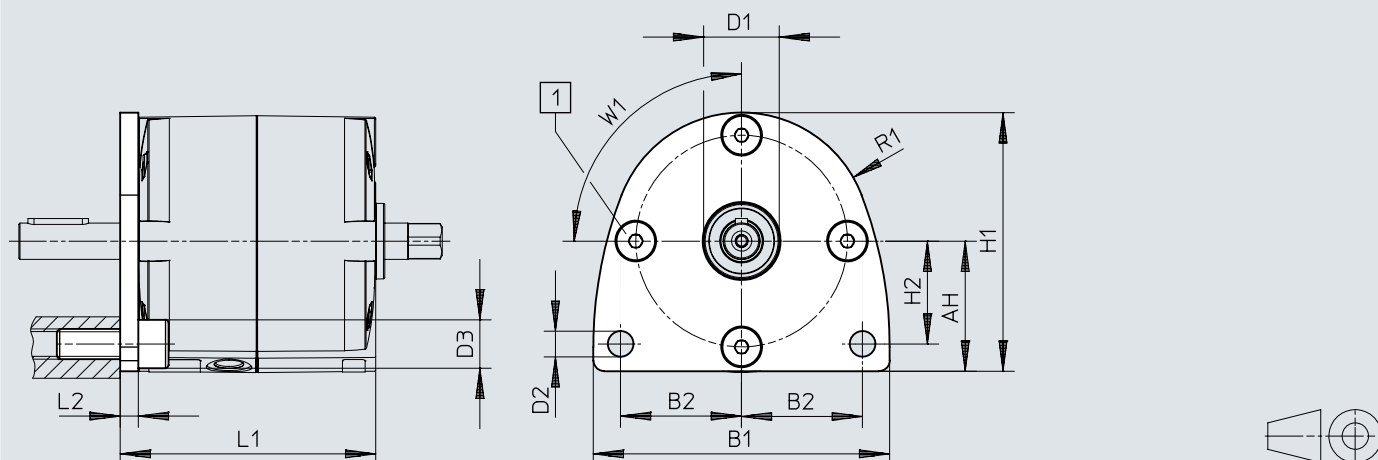
[1] Supply ports

[2] Mounting in conjunction with supply ports for DRVS-12 ... 25 all 60° possible

	AH	B1	B2	D1 Ø H10	D2 Ø H13	D3 Ø max.	H1	H2	L1	L2	R1	W1
DAMF-Q12-12	23,5±0,2	49±0,4	20	14	4,4	8,5	46,5+0,4/-0,3	18,5	44,5	4	23	60°
DAMF-Q12-16	28±0,2	59±0,4	23	16	5,4	8,5	56±0,4	20,5	58	4	28	60°
DAMF-Q12-25	34,5±0,2	74±0,4	30	25	6,5	10	69±0,4	23	66	5	34,5	60°

Dimensions

Dimensions – Flange mounting DAMF for DRVS-32/40

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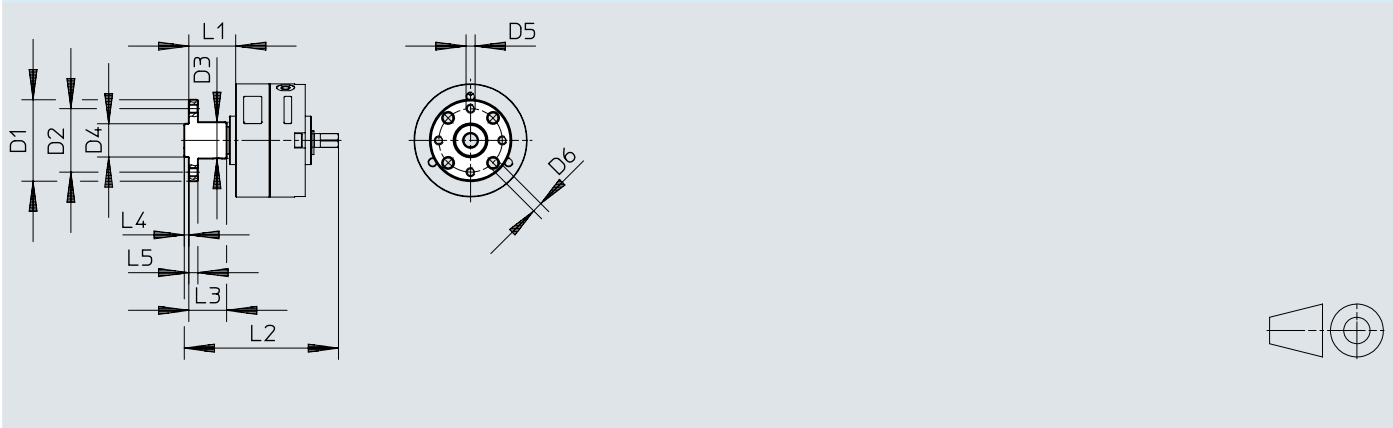
[1] Supply ports

[2] Mounting in conjunction with supply ports for DRVS-32 ... 40 all 90° possible

	AH	B1	B2	D1 Ø H10	D2 Ø H13	D3 Ø max.	H1	H2	L1	L2	R1	W1
DAMF-Q12-32	43±0,2	98±0,5	40	25	8,5	16	85,5+0,5/-0,4	34	84,5	6	42,5	90°
DAMF-Q12-40	53+0,3/-0,2	120±0,5	50	30	8,5	18	106+0,5/-0,3	40	99	6	53	90°

Dimensions

Dimensions – Push-on flange FWSR for DRVS-6/8 Download CAD data www.festo.com

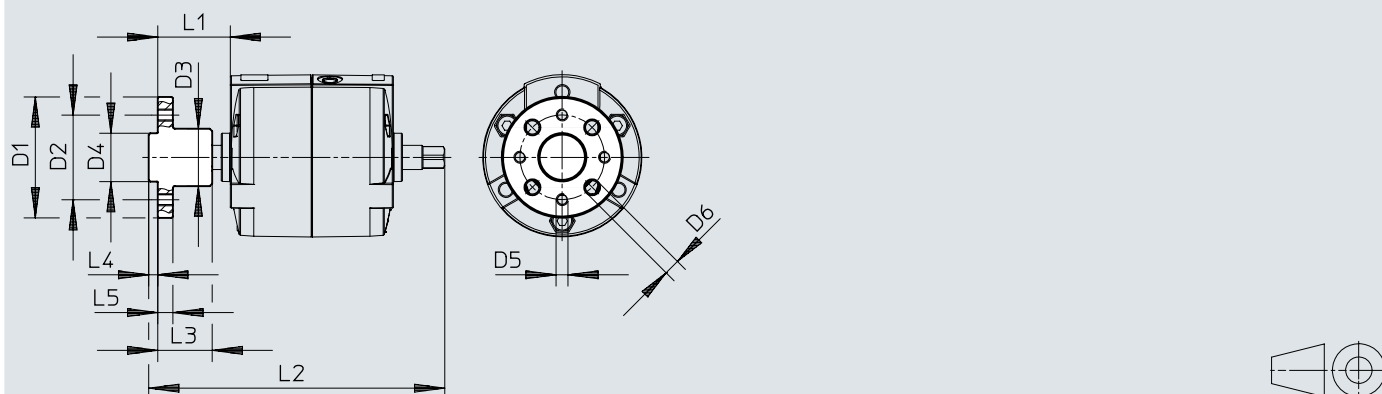


	D1 ø	D2 ø	D3 ø +0,4	D4 ø	D5	D6 ø H13	L1	L2	L3	L4	L5
FWSR-6	23	16	10	8 _{g7}	M3	3,4	13,5±0,7	45	10,5	1,5 _{-0,2}	3
FWSR-8	27	21	12	11 _{g7}	M3	3,4	15,5±0,7	51	12,5	1,5 _{-0,2}	3

Dimensions

Dimensions – Push-on flange DARF for DRVS-12/16

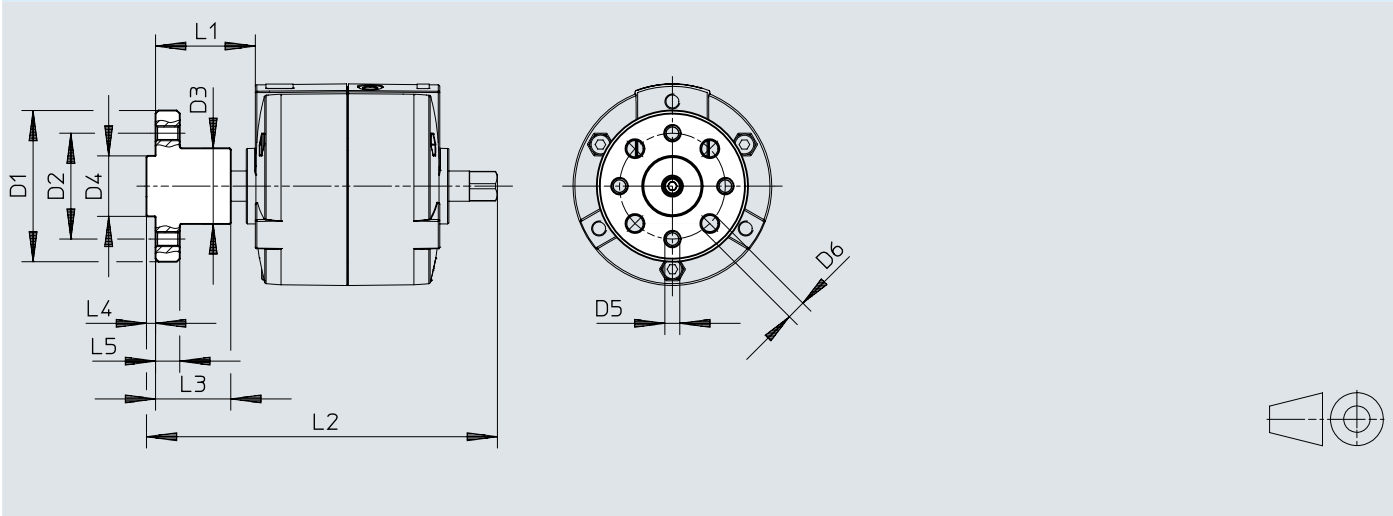
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	D1 Ø	D2 Ø	D3 Ø +0,4	D4 Ø	D5	D6 Ø H13	L1	L2	L3	L4	L5
DARF-Q12-12	35 _{-0,5}	25	16	14 _{f8}	M3	3,4	21 _{+0,5/-0,7}	77	16	3 _{-0,1}	3
DARF-Q12-16	40 _{-0,5}	28	19	16 _{f8}	M4	4,5	23 _{+0,5/-0,8}	97	18	3 _{-0,1}	5

Dimensions

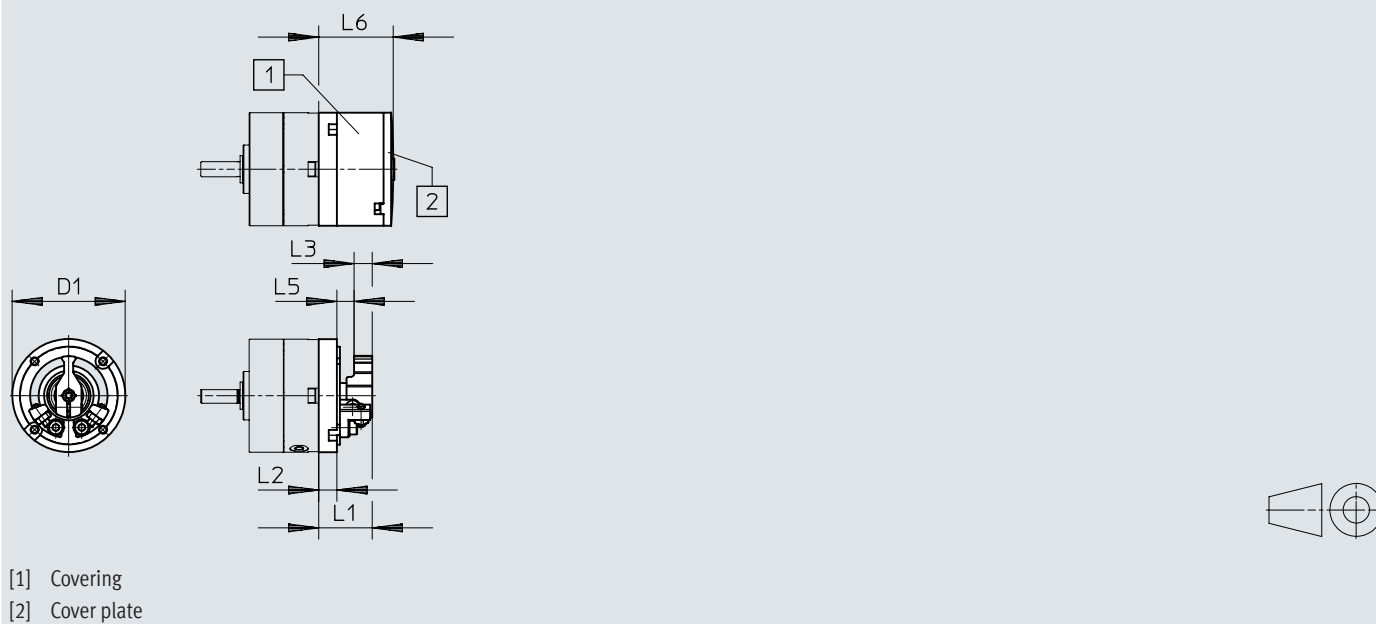
Dimensions – Push-on flange DARF for DRVS-25 ... 40 Download CAD data www.festo.com



	D1 Ø	D2 Ø	D3 Ø +0,4	D4 Ø	D5	D6 Ø H13	L1	L2	L3	L4	L5
DARF-Q12-25	50 _{-0,5}	35	25	20 _{f8}	M5	5,5	33+0,4/-0,5	116,1	24,9	3 _{-0,1}	8
DARF-Q12-32	60 _{-0,5}	45	25	28 _{f8}	M6	6,5	42,6+0,4/-0,7	147,1	26,1	4 _{-0,1}	10
DARF-Q12-40	70 _{-0,5}	54	30	36 _{f8}	M8	9	57,1+0,4/-0,7	178,6	44,6	5 _{-0,1}	11

Dimensions

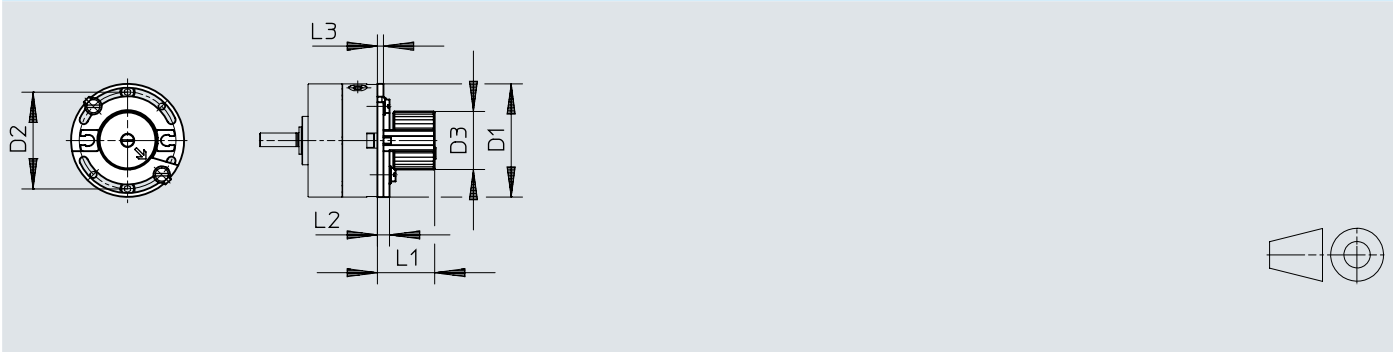
Dimensions – Stop kit KSM

[Download CAD data](http://www.festo.com) www.festo.com


	D1 Ø ±0,2	L1 +0,4	L2 +0,3	L3	L5	L6 +0,2/-0,6
KSM-6	29,4	11,2	3,2	5	2,5	17,8
KSM-8	37,4	17	6	6	5,7	24,9

Dimensions

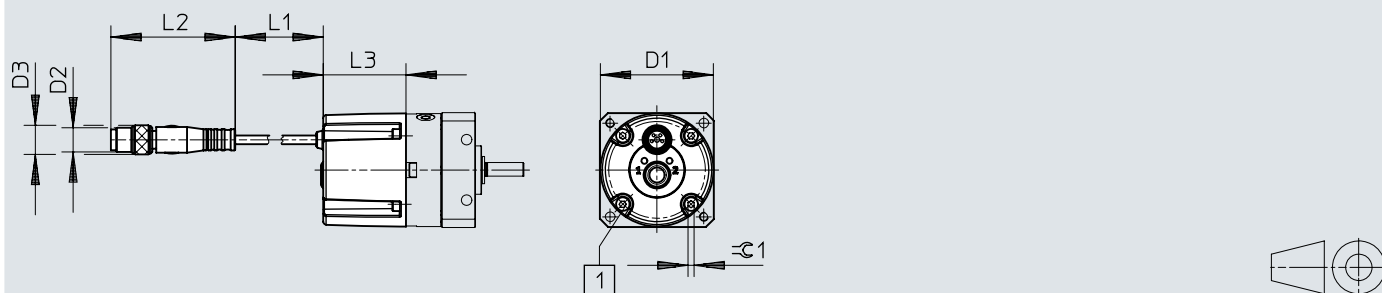
Dimensions – Mounting kit WSM Download CAD data www.festo.com



	D1 ø ±0,2	D2 ø ±0,2	D3 ø	L1 ±1	L2	L3
WSM-6-SME-10	29,4	25	17,3	19,5	4	2
WSM-8-SME-10	37,4	32	19,3	19,5	4	2

Dimensions

Dimensions – Position sensor SRBS for DRVS-6/8

[Download CAD data](#) www.festo.com


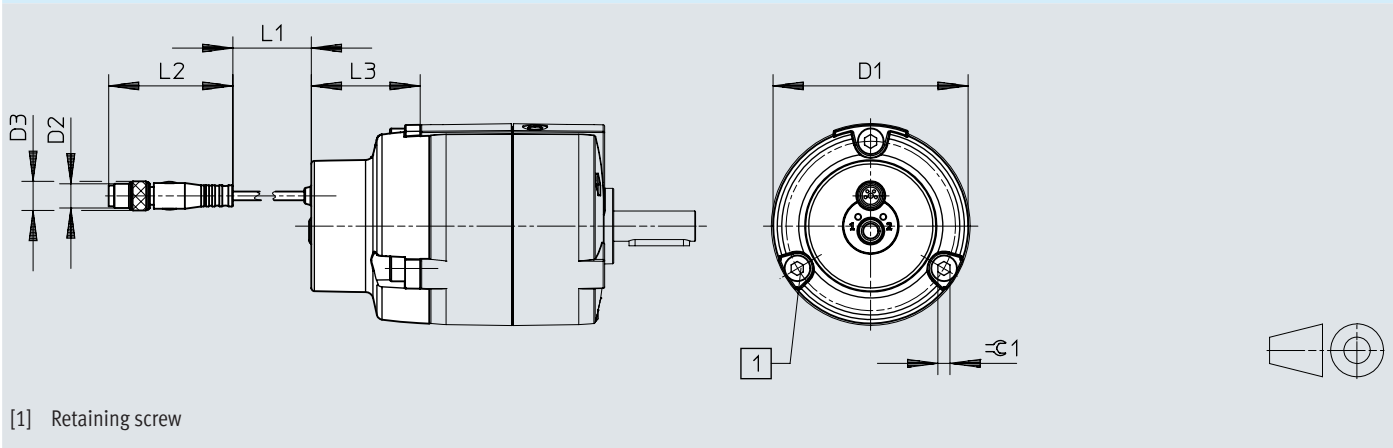
[1] Retaining screw

	D1 Ø	D2	D3 Ø	L1	L2	L3	≈ 1
SRBS-Q12-6-E270-EP-1-S-M8	29,4	M8x1 ¹⁾	9,6	300	41,1	25,4	1,5
SRBS-Q12-8-E270-EP-1-S-M8	32					27,4	2

1) Plug, 4-pin

Dimensions

Dimensions – Position sensor SRBS for DRVS-12 ... 25 Download CAD data www.festo.com

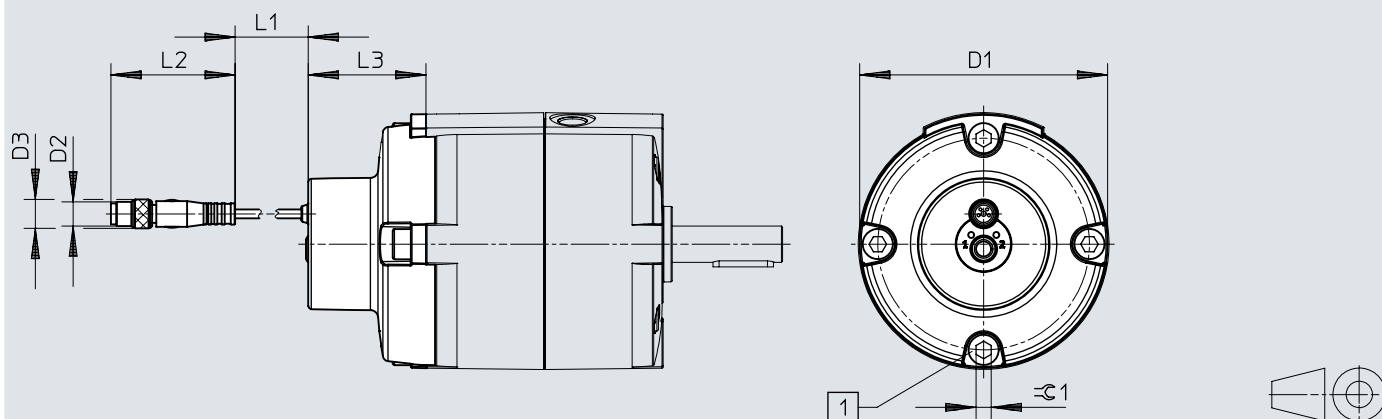


	D1 Ø	D2	D3 Ø	L1	L2	L3	±C 1
SRBS-Q12-12-E270-EP-1-S-M8	44,6	M8x1 ¹⁾	9,6	300	41,1	29,4	3
SRBS-Q12-16-E270-EP-1-S-M8	51,6					33,9	4
SRBS-Q12-25-E270-EP-1-S-M8	64,5					36	4

1) Plug, 4-pin

Dimensions

Dimensions – Position sensor SRBS for DRVS-32/40

[Download CAD data](#) www.festo.com


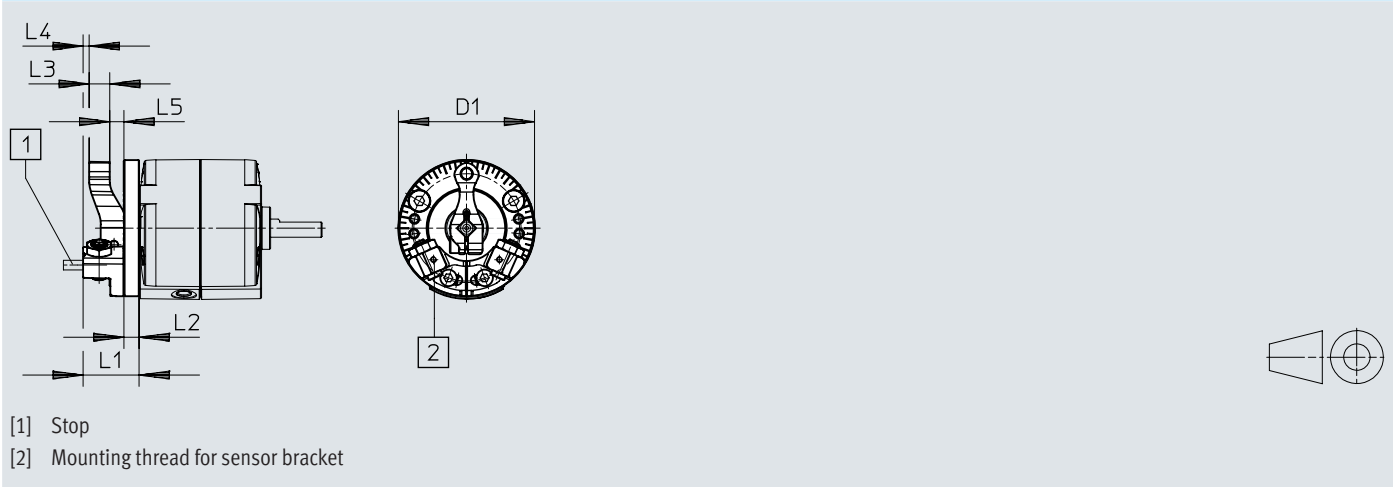
[1] Retaining screw

	D1 Ø	D2	D3 Ø	L1	L2	L3	≈ 1
SRBS-Q12-32-E270-EP-1-S-M8	81,3	M8x1 ¹⁾	9,6	300	41,1	38,9	5
SRBS-Q12-40-E270-EP-1-S-M8	98,3					40,4	6

1) Plug, 4-pin

Dimensions

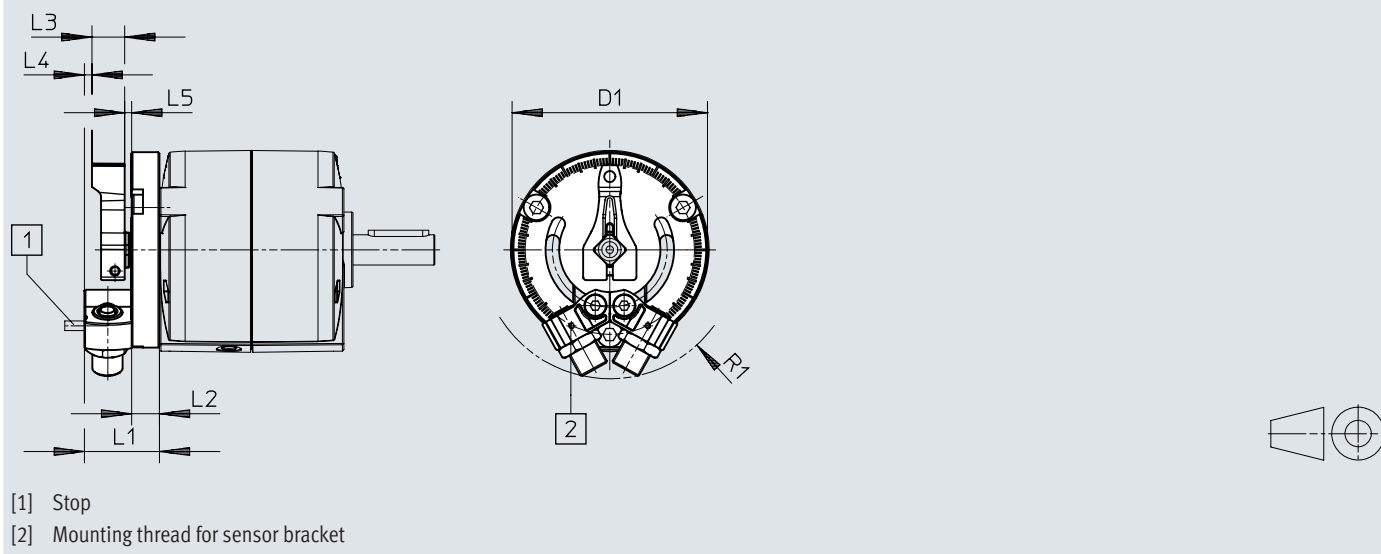
Dimensions – Stop kit DADP-ES for DRVS-12 Download CAD data www.festo.com



	D1 ø	L1	L2	L3	L4	L5
DADP-ES-Q12-12	45	18,5	5	6,8	2	4,7

Dimensions

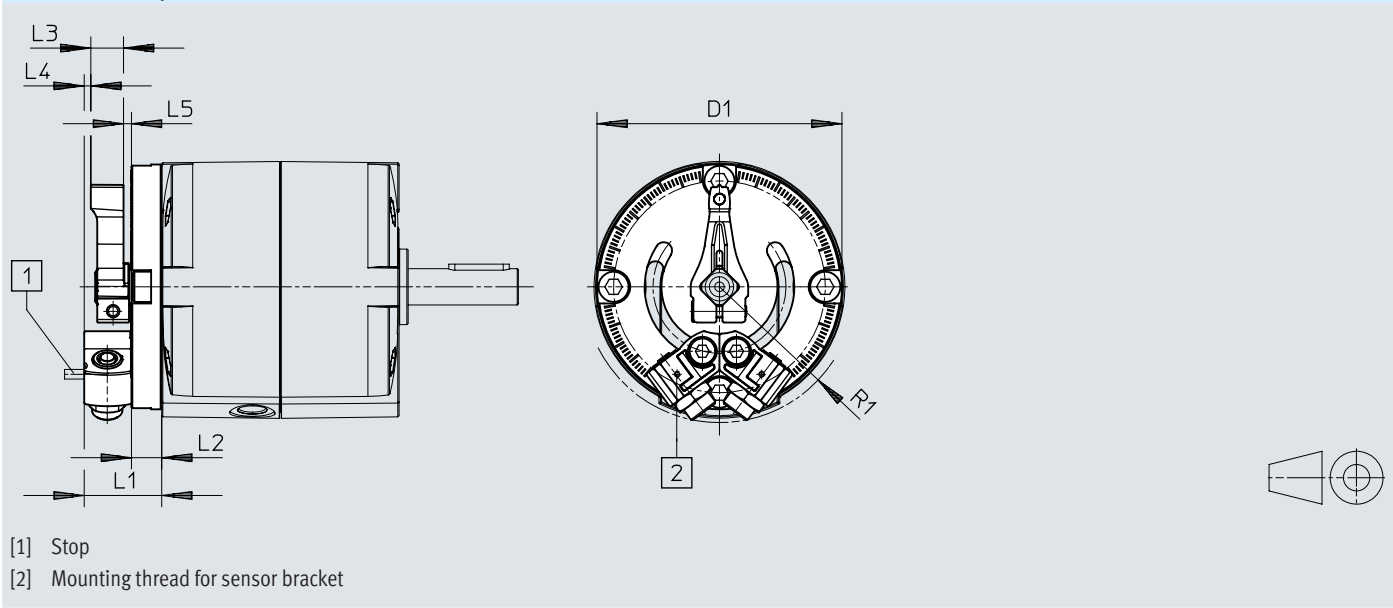
Dimensions – Stop kit DADP-ES for DRVS-16/25

[Download CAD data](http://www.festo.com)


	D1 Ø	L1	L2	L3	L4	L5	R1
DADP-ES-Q12-16	51,7	21,5	9	8,5	2,3	1,7	34
DADP-ES-Q12-25	64,6	24,8	9,2	10,8	2,5	2,3	43,5

Dimensions

Dimensions – Stop kit DADP-ES for DRVS-32/40 Download CAD data www.festo.com

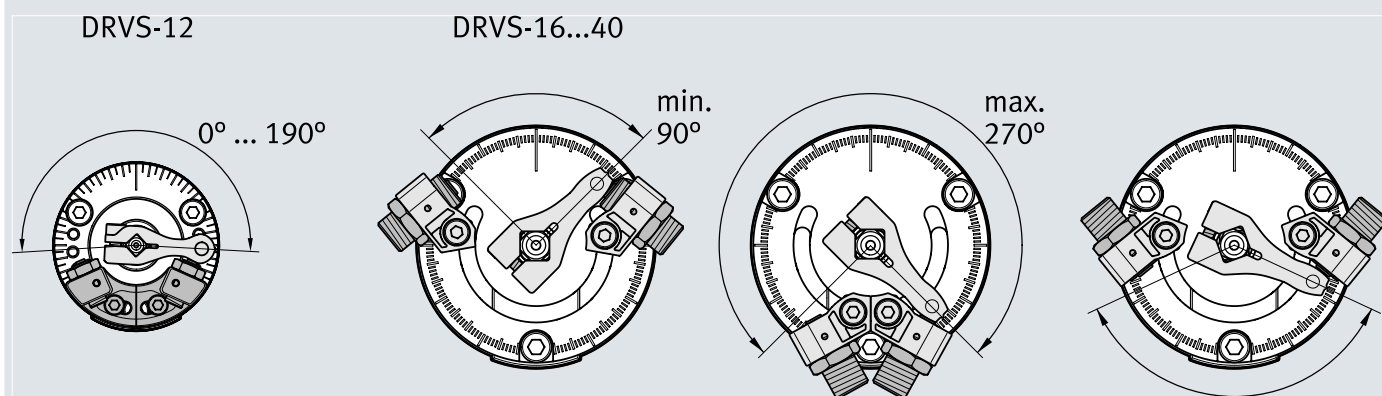


	D1 Ø	L1	L2	L3	L4	L5	R1
DADP-ES-Q12-32	81	25,6	10	10,8	2,2	2,6	45,5
DADP-ES-Q12-40	100	32	12	13,7	3,3	3	58

Dimensions

Dimensions – Stop kit DADP-ES-Q12 - Swivel movement

Download CAD data www.festo.com

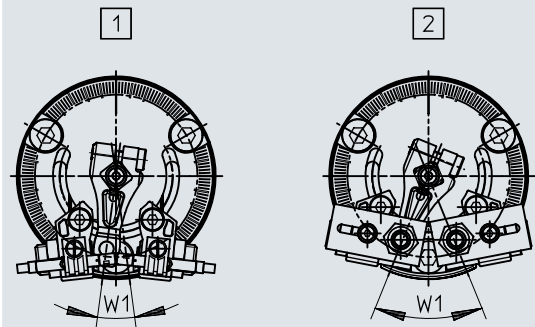


[1] For an even swivel motion it is recommended to position the stops symmetrically to the mid-position.

Dimensions

Dimensions – Stop kit DADP-ES-Q12 – Swivel angle in combination with attached proximity switches

Download CAD data www.festo.com

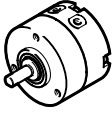


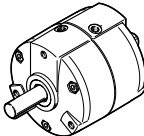
- [1] With proximity switch SME-10/SMT-10
- [2] With proximity switch SIEN-M5/SIEN-M8

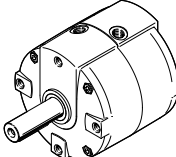
	W1	
	1)	2)
DADP-ES-Q12-12	15°	60°
DADP-ES-Q12-16		45°
DADP-ES-Q12-25		20°
DADP-ES-Q12-32		
DADP-ES-Q12-40		15°

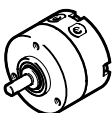
- 1) With proximity switch SME-10/SMT-10
- 2) With proximity switch SIEN-M5/SIEN-M8

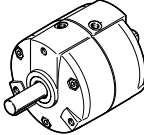
Ordering data

without ATEX certification					
	Size	Nominal swivel angle [°]	Pneumatic connection	Part no.	Type
	6	90 deg	M3	1845706	DRVS-6-90-P
		180 deg		1845707	DRVS-6-180-P
	8	90 deg		1845708	DRVS-8-90-P
		180 deg		1845709	DRVS-8-180-P

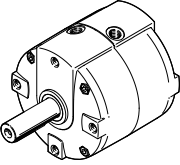
without ATEX certification					
	Size	Nominal swivel angle [°]	Pneumatic connection	Part no.	Type
	12	90 deg	M5	1845710	DRVS-12-90-P
		180 deg		1845711	DRVS-12-180-P
		270 deg		1845712	DRVS-12-270-P
	16	90 deg		1845713	DRVS-16-90-P
		180 deg		1845714	DRVS-16-180-P
		270 deg		1845715	DRVS-16-270-P

without ATEX certification					
	Size	Nominal swivel angle [°]	Pneumatic connection	Part no.	Type
	25	90 deg	M5	1845716	DRVS-25-90-P
		180 deg		1845717	DRVS-25-180-P
		270 deg		1845718	DRVS-25-270-P
	32	90 deg	G1/8	1845719	DRVS-32-90-P
		180 deg		1845720	DRVS-32-180-P
		270 deg		1845721	DRVS-32-270-P
	40	90 deg		1845722	DRVS-40-90-P
		180 deg		1845723	DRVS-40-180-P
		270 deg		1845724	DRVS-40-270-P

with ATEX certification					
	Size	Nominal swivel angle [°]	Pneumatic connection	Part no.	Type
	6	90 deg	M3	2536483	DRVS-6-90-P-EX4
		180 deg		2536484	DRVS-6-180-P-EX4
	8	90 deg		2536485	DRVS-8-90-P-EX4
		180 deg		2536486	DRVS-8-180-P-EX4

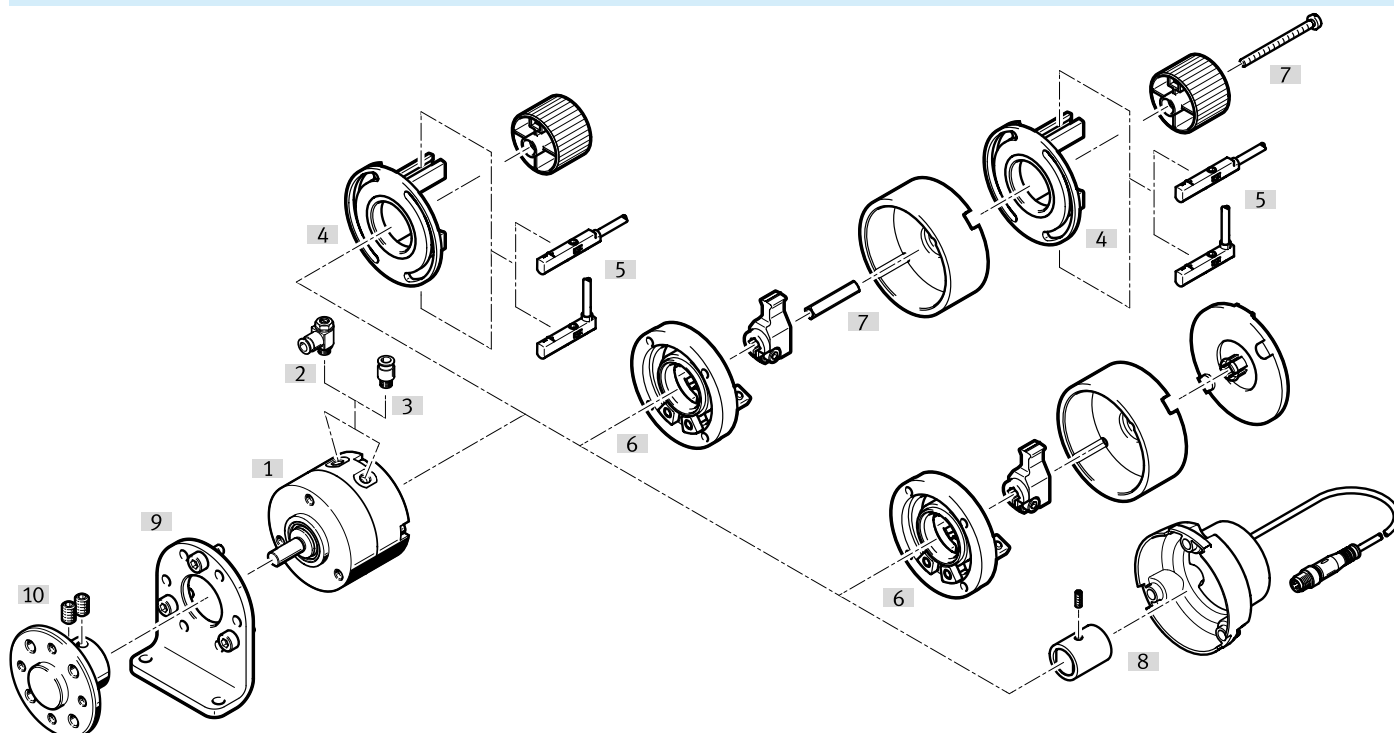
with ATEX certification					
	Size	Nominal swivel angle [°]	Pneumatic connection	Part no.	Type
	12	90 deg	M5	2536487	DRVS-12-90-P-EX4
		180 deg		2536488	DRVS-12-180-P-EX4
		270 deg		2536489	DRVS-12-270-P-EX4
	16	90 deg		2536490	DRVS-16-90-P-EX4
		180 deg		2536491	DRVS-16-180-P-EX4
		270 deg		2536492	DRVS-16-270-P-EX4

Ordering data

with ATEX certification					
	Size	Nominal swivel angle [°]	Pneumatic connection	Part no.	Type
	25	90 deg	M5	2536493	DRVS-25-90-P-EX4
		180 deg		2536494	DRVS-25-180-P-EX4
		270 deg		2536495	DRVS-25-270-P-EX4
	32	90 deg	G1/8	2536496	DRVS-32-90-P-EX4
		180 deg		2536497	DRVS-32-180-P-EX4
		270 deg		2536498	DRVS-32-270-P-EX4
	40	90 deg		2536499	DRVS-40-90-P-EX4
		180 deg		2536500	DRVS-40-180-P-EX4
		270 deg		2536501	DRVS-40-270-P-EX4

Peripherals overview

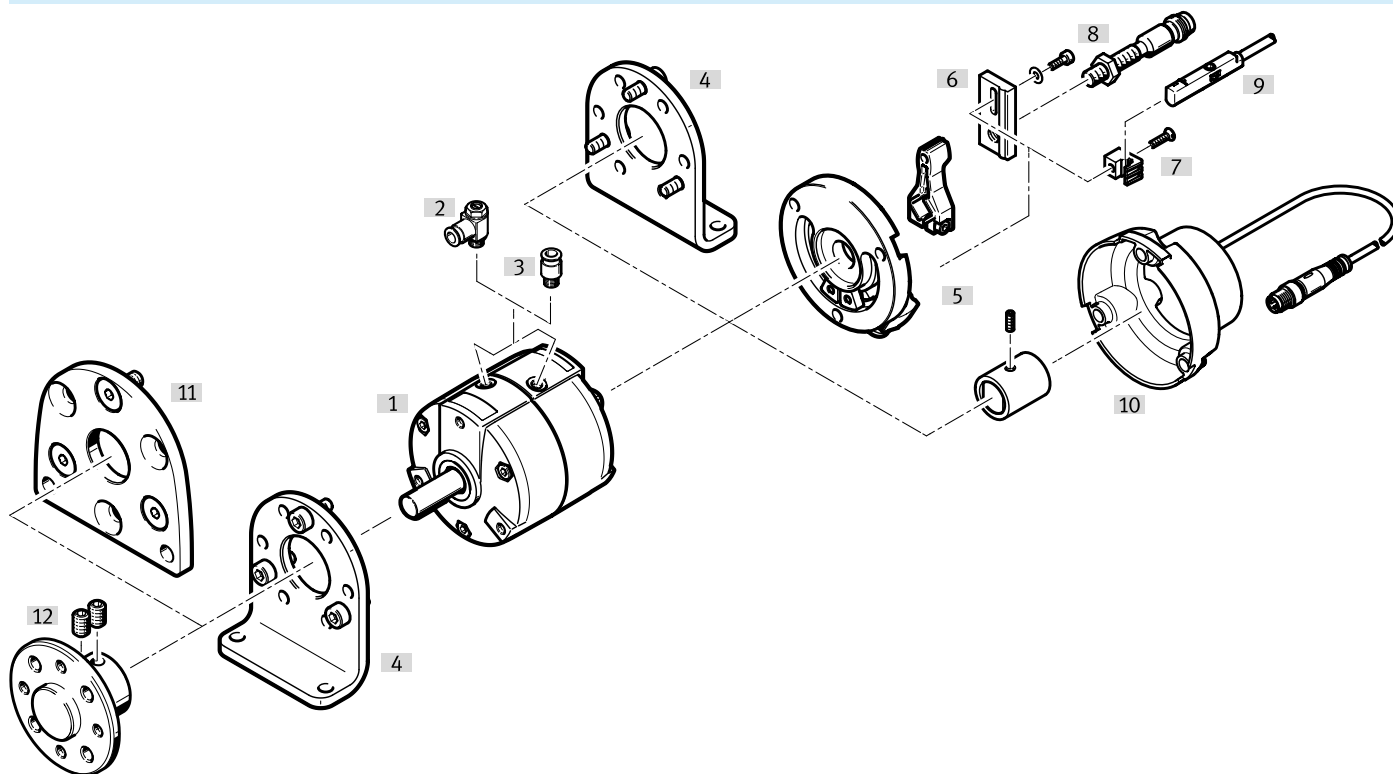
DRVS-6 ... 8



Accessories		→ Page/Internet
Type/order code	Description	
[1] Quarter turn actuator DRVS	Quarter turn actuator	drvs
[2] One-way flow control valve GRLA	for speed regulation	41
[3] Push-in fitting QS	for connecting tubing with standard O.D.	qs
[4] Mounting kit WSM	• for querying the swivel angle • for mounting the proximity switches SME/SMT-10 • must be ordered separately as accessories • can be combined with stop kit KSM • in conjunction with the stop kit KSM, the adapter kit DADP-AK must also be ordered	38
[5] Proximity switches SME/SMT	to query the end position	40
[6] Stop kit KSM	• for adjusting the swivel angle • must be ordered separately as accessories • can be combined with mounting kit WSM • in conjunction with mounting kit WSM, the adapter kit DADP-AK must also be ordered	38
[7] Adapter kit DADP-AK	for fastening the WSM mounting kit to the KSM stop kit	38
[8] Position sensor SRBS	• For sensing the swivel angle • For direct mounting on semi-rotary drive • Must be ordered separately as an accessory • The scope of delivery of the position sensor includes a magnet, which must be mounted on the shaft of the semi-rotary drive	38
[9] Foot mounting DAMH	• for mounting the quarter turn actuator • only front-mountable	37
[10] Push-on flange FWSR	For mounting add-on parts	37

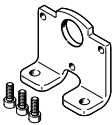
Peripherals overview

DRVS-12 ... 40



Accessories		→ Page/Internet
Type/order code	Description	
[1] Quarter turn actuator DRVS	Quarter turn actuator	drvs
[2] One-way flow control valve GRLA	for speed regulation	41
[3] Push-in fitting QS	for connecting tubing with standard O.D.	qs
[4] Foot mounting DAMH	- for mounting the quarter turn actuator - can be mounted on one or both sides as desired	37
[5] Stop kit DADP-ES	- for adjusting the swivel angle - must be ordered separately as accessories	39
[6] Sensor bracket SL-DSM-S	for mounting the round, inductive proximity sensors SIEN	39
[7] Sensor bracket SL-DSM-B	for mounting the SME/SMT-10 proximity switches	39
[8] SIEN proximity switch	to query the end position	40
[9] Proximity switches SME/SMT	to query the end position	40
[10] Position sensor SRBS	- For sensing the swivel angle - For direct mounting on semi-rotary drive - Must be ordered separately as an accessory - The scope of delivery of the position sensor includes a magnet, which must be mounted on the shaft of the semi-rotary drive	38
[11] Flange mounting DAMF	for mounting the quarter turn actuator on the front using two fastening holes	37
[12] Push-on flange DARF	for mounting add-on parts	37

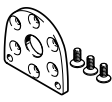
Accessories

Foot mounting DAMH						
	Description ¹⁾	Bracket material	Note on materials ²⁾	Product weight ³⁾	Part no.	Type
	for size 6, foot mounting can only be installed at the front	Steel, galvanized	RoHS compliant	27 g	3371840	DAMH-Q12-6
	for size 8, foot mounting can only be installed at the front			40 g	3371841	DAMH-Q12-8
	for size 12			79 g	3371842	DAMH-Q12-12
	for size 16			111 g	3371843	DAMH-Q12-16
	for size 25			203 g	3371844	DAMH-Q12-25
	for size 32			287 g	3371845	DAMH-Q12-32
	for size 40			529 g	3371846	DAMH-Q12-40

1) For size 6 and 8, foot mountings can only be mounted at the front

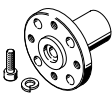
2) Suitable for ATEX

3) For one foot mounting

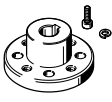
Flange mounting DAMF					
	Description ¹⁾	Mounting material	Product weight	Part no.	Type
	for size 12	Steel, galvanized	54 g	4965018	DAMF-Q12-12
	for size 16		80 g	4965019	DAMF-Q12-16
	for size 25		147 g	4965020	DAMF-Q12-25
	for size 32		305 g	4965021	DAMF-Q12-32
	for size 40		472 g	4965022	DAMF-Q12-40

1) Mounting variants in connection with supply ports:

- for sizes 12 ... 25 every 60° possible
- for sizes 32/40 every 90° possible

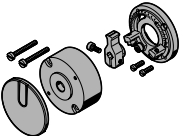
Push-on flange FWSR						Link fwsr
	Description ¹⁾	Housing material	Product weight	Part no.	Type	
	for size 6	Wrought aluminum alloy	5 g	185948	FWSR-6	
	for size 8		7 g	185949	FWSR-8	

1) Suitable for ATEX (areas)

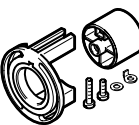
Push-on flange DARF						Link darf
	Description ¹⁾	Material of flange	Product weight	Part no.	Type	
	for size 12	Wrought aluminum alloy, anodized	15 g	4886221	DARF-Q12-12	
	for size 16		25 g	4886222	DARF-Q12-16	
	for size 25		60 g	4886223	DARF-Q12-25	
	for size 32		92 g	4886224	DARF-Q12-32	
	for size 40		155 g	4886225	DARF-Q12-40	

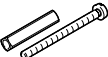
1) Suitable for ATEX (areas)

Accessories

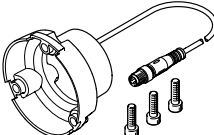
Stop kit KSM Link ksm					
	Description ¹⁾	Housing material	Product weight	Part no.	Type
	for size 6, for adjusting the swivel angle	Aluminum, Anodized	30 g	175833	KSM-6
	for size 8, for adjusting the swivel angle		70 g	175834	KSM-8

1) Suitable for ATEX (areas)

Mounting kit WSM					
	Description	Retainer bracket material	Product weight	Part no.	Type
	for size 6, for sensing the swivel angle; for mounting the proximity switches SME/SMT-10	PA-reinforced	12 g	173205	WSM-6-SME-10
	for size 8, for sensing the swivel angle; for mounting the proximity switches SME/SMT-10		13 g	173206	WSM-8-SME-10

Adapter kit DADP-AK					
	Description	Adapter material	Product weight	Part no.	Type
	for size 6, for fastening the WSM mounting kit to the KSM stop kit	Steel, galvanized	2 g	3617044	DADP-AK-Q1-6
	for size 8, for fastening the WSM mounting kit to the KSM stop kit		3 g	3617045	DADP-AK-Q1-8

Position sensor SRBS for direct mounting on the drive for DRVS-6 ... 40 Link  srbs

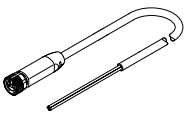
	Description	Switching element function ¹⁾	Switching output	Sensing range	Part no.	Type
	for size 6, for direct mounting on the actuator	N/C contact/N/O contact, switchable	2 x PNP or 2 x NPN switchable	270 deg	2619969	SRBS-Q12-6-E270-EP-1-S-M8
	for size 8, for direct mounting on the actuator				2619972	SRBS-Q12-8-E270-EP-1-S-M8
	for size 12, for direct mounting on the actuator				2393546	SRBS-Q12-12-E270-EP-1-S-M8
	for size 16, for direct mounting on the actuator				2393547	SRBS-Q12-16-E270-EP-1-S-M8
	for size 25, for direct mounting on the actuator				2393548	SRBS-Q12-25-E270-EP-1-S-M8
	for size 32, for direct mounting on the actuator				2393549	SRBS-Q12-32-E270-EP-1-S-M8
	for size 40, for direct mounting on the actuator				2393550	SRBS-Q12-40-E270-EP-1-S-M8

1) Robust, contactless and encapsulated position sensing with long service life:

- to query the end positions
- Simple and reliable operation using one button
- only one connecting cable required

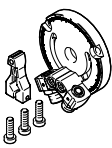
Accessories

Connecting cables NEBA, straight – for position sensor SRBS

	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/wires	Cable length	Part no.	Type
	M8x1 A-coded as per EN 61076-2-104	M8x1 A-coded as per EN 61076-2-104	4	2.5 m	8078295	NEBA-M8G4-U-2.5-N-M8G4
		Open end			8078227	NEBA-M8G4-U-2.5-N-LE4
				5 m	8078228	NEBA-M8G4-U-5-N-LE4

Stop kit DADP-ES

Link [dadp-es](#)

	Description ¹⁾	Disc material	Product weight	Part no.	Type
	for size 12, for adjusting the swivel angle	Wrought aluminum alloy, anodized	60 g	2536502	DADP-ES-Q12-12
	for size 16, for adjusting the swivel angle		110 g	2536503	DADP-ES-Q12-16
	for size 25, for adjusting the swivel angle		180 g	2536504	DADP-ES-Q12-25
	for size 32, for adjusting the swivel angle		250 g	2536505	DADP-ES-Q12-32
	for size 40, for adjusting the swivel angle		450 g	2536506	DADP-ES-Q12-40

1) Suitable for ATEX

Sensor bracket SL

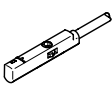
	Description	Retainer bracket material	Product weight	Part no.	Type
	for size 12 ... 40, for mounting the SME/SMT-10 proximity sensors, for querying the swivel angle	PA-reinforced	2 g	550661	SL-DSM-B

Sensor bracket SL

	Description	Retainer bracket material	Product weight	Part no.	Type
	for size 12 ... 40, for mounting the proximity switches SIEN-M8, for querying the swivel angle	Aluminum	4 g	1132360	SL-DSM-S-M8-B
	for size 12 ... 40, for mounting the proximity switches SIEN-M5, for querying the swivel angle			1130882	SL-DSM-S-M5-B

Proximity switch SMT for round slot, magneto-resistive – for DRVS-6 ... 40

Link [smt](#)

	Type of mounting ¹⁾	Switching output	Electrical connection	Cable length	Part no.	Type
	Screwed on, Can be inserted in slot from above	3-wire PNP N/O contact	Open end	2.5 m	551373	SMT-10M-PS-24V-E-2,5-L-OE
			Plug M8, A-coded	0.3 m	551375	SMT-10M-PS-24V-E-0,3-L-M8D

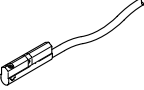
1) For DRVS-6 ... 8: With mounting kit WSM-...-SME-10

For DRVS-12 ... 40: Attached to the DRVS with sensor bracket SL-DSM-B

Accessories

Proximity switch SME for round slot, magnetic reed – for DRVS-6 ... 40

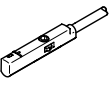
Link [sme](#)

	Type of mounting 1)	Switching element function	Electrical connection	Cable length	Part no.	Type
	Clamped in T slot, Can be inserted in slot lengthwise	N.O. contact	Open end	0.3 m	173212	SME-10-SL-LED-24
				2.5 m	173210	SME-10-KL-LED-24

1) For DRVS-6 ... 8: With mounting kit WSM-...SME-10
For DRVS-12 ... 40: With sensor bracket SL-DSM-B

Proximity switch SME for round slot, magnetic reed – for DRVS-6 ... 40

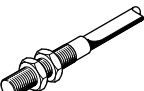
Link [sme](#)

	Type of mounting 1)	Switching output	Electrical connection	Cable length	Part no.	Type
	Screwed on, Can be inserted in slot from above	3-wire N/O contact	Open end	2.5 m	551365	SME-10M-DS-24V-E-2,5-L-OE
			Plug M8, A-coded	0.3 m	551367	SME-10M-DS-24V-E-0,3-L-M8D

1) With sensor bracket SL-DSM-B

Proximity switch SIEN, inductive, with cable - for DRVS-12 ... 40

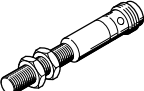
Link [sien](#)

	Type of mounting 1)	Switching output	Electrical connection	Cable length	Part no.	Type
	With locknut	PNP	Open end	2.5 m	150386	SIEN-M8B-PS-K-L
					150370	SIEN-M5B-PS-K-L

1) With sensor bracket SL-DSM-S

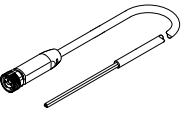
Proximity switch SIEN, inductive, without cable - for DRVS-12 ... 40

Link [sien](#)

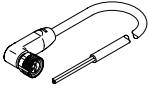
	Type of mounting 1)	Switching output	Electrical connection	Part no.	Type
	With locknut	PNP	Plug M8, A-coded	150387	SIEN-M8B-PS-S-L
				150371	SIEN-M5B-PS-S-L

1) With sensor bracket SL-DSM-S

Connecting cables NEBA, straight

	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/wires	Cable length	Part no.	Type
	M8x1 A-coded as per EN 61076-2-104	Open end	3	2.5 m	8078223	NEBA-M8G3-U-2.5-N-LE3
				5 m	8078224	NEBA-M8G3-U-5-N-LE3

Accessories

Connecting cables NEBA, angled						
	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/wires	Cable length	Part no.	Type
	M8x1 A-coded as per EN 61076-2-104	Open end	3	2.5 m	8078230	NEBA-M8W3-U-2.5-N-LE3
				5 m	8078231	NEBA-M8W3-U-5-N-LE3

One-way flow control valves GRLA						
	Description	Pneumatic connection 1	Pneumatic connection 2	Product weight	Part no.	Type
	for size 6, 8; Metal version	Push-in connector, 3 mm	M3	7 g	175041	GRLA-M3-QS-3
	for size 12, 16, 25; Metal version		M5	13 g	193137	GRLA-M5-QS-3-D
		193138			GRLA-M5-QS-4-D	
	for size 32, 40; Metal version	Push-in connector, 3 mm	G1/8	22 g	193142	GRLA-1/8-QS-3-D
		Push-in connector, 4 mm			193143	GRLA-1/8-QS-4-D
		Push-in connector, 6 mm			193144	GRLA-1/8-QS-6-D
		Push-in connector, 8 mm			193145	GRLA-1/8-QS-8-D