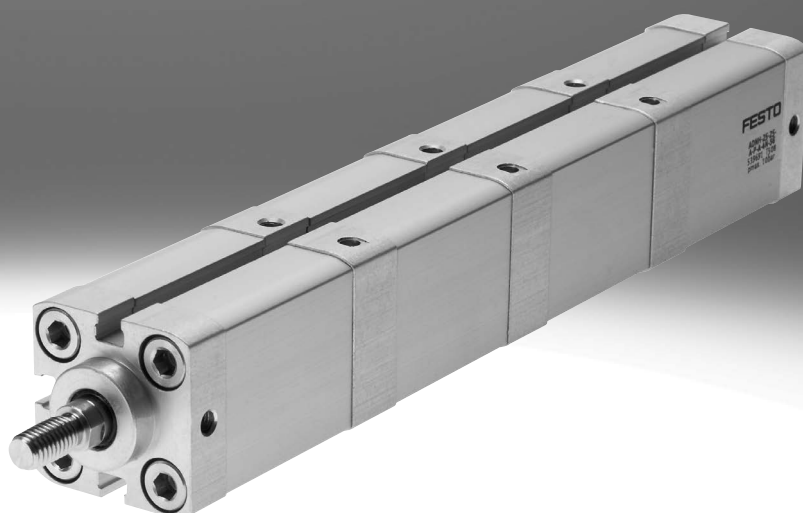


High-force cylinders ADN

FESTO



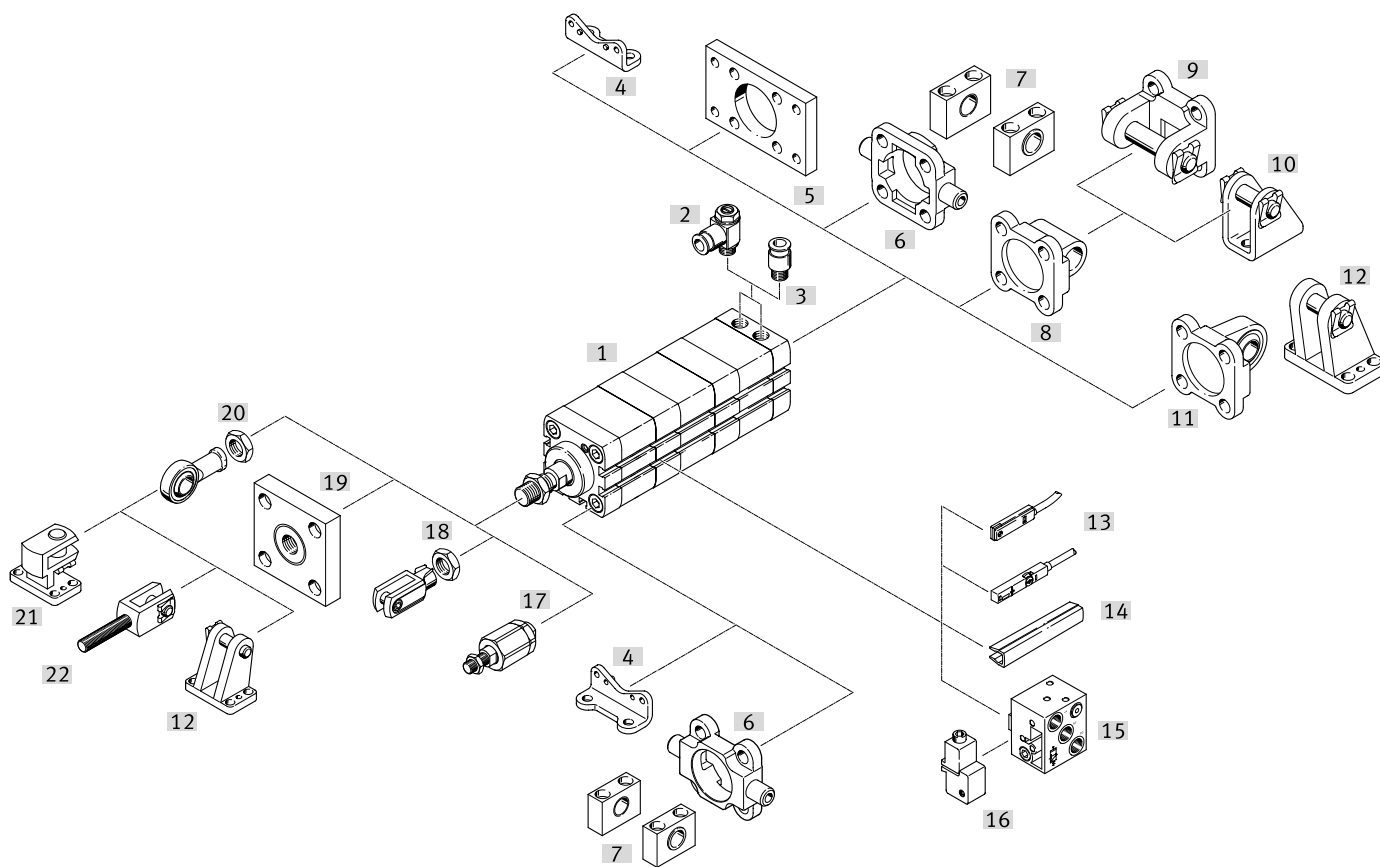
Peripherals overview

Operating principle

General

By arranging 2, 3 or 4 cylinders with the same piston diameter and stroke in series, the force in the advance stroke (thrust) can be doubled, tripled or quadrupled in comparison to a conventional cylinder.

- A maximum of 4 cylinders can be combined
- Owing to the internal compressed air distribution, a total of just 2 connections is required to pressurise all cylinders.
- The force of the return stroke corresponds to that of a single cylinder with corresponding piston diameter.
- Operation with external limit stop only. The cylinder should not advance to the forward end position.



Peripherals overview

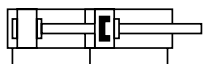
Mounting attachments and accessories		Description	ø 25	ø 40, 63, 100	→ Page/Internet
[1]	High-force cylinders ADNH				5
[2]	One-way flow control valve GRLA	For regulating speed	■	■	20
[3]	Push-in fitting QS	For connecting tubing with standard O.D.	■	■	qs
[4]	Foot mounting HNA/HNA-...-R3	For bearing and end caps	■	■	12
[5]	Flange mounting FNC	For end caps	■	■	13
[6]	Trunnion flange ZNCf/CRZNG	For end caps	—	■	18
[7]	Trunnion support LNZG	For trunnion flange ZNCf/CRZNG	—	■	18
[8]	Swivel flange SNCL/SNCL-...-R3	For end caps	■	■	14
[9]	Swivel flange SNCB/SNCB-...-R3	For swivel flange SNCL	—	■	17
[10]	Clevis foot LBN/CRLBN	For swivel flange SNCL	■	—	16
[11]	Swivel flange SNCS/CRSNCS/SNCS-...-R3	For end caps	—	■	15
[12]	Clevis foot LBG/LBG-...-R3	For swivel flange SNCS	—	■	16
[13]	Proximity switch SME/SMT-8M	Can be integrated in the cylinder profile barrel	■	■	20
[14]	Slot cover ABP-5-S	For protecting the sensor cables and the sensor slots from contamination	■	■	21
[15]	Proximity switch SMPO-8E	Pneumatic output signal	■	■	21
[16]	Mounting kit SMB-8E	For proximity switch SMPO-8E	■	■	21
[17]	Self-aligning rod coupler FK/CRFK	To compensate for radial and angular deviations	■	■	19
[18]	Rod clevis SG/CRSG	Permits a swivelling movement of the cylinder in one plane	■	■	19
[19]	Coupling piece KSG	To compensate for radial deviations	■	■	19
[20]	Rod eye SGS/CRSGS	with spherical bearing	■	■	19
[21]	Right-angle clevis foot LQG	For rod eye SGS	—	■	16
[22]	Rod clevis SGA	With male thread	—	■	19

Type codes

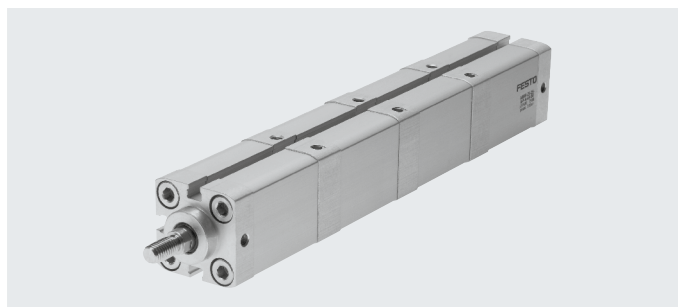
001	Series	
ADNH	High-force cylinder, double-acting, based on ISO 21287	
002	Piston diameter [mm]	
25	25	
40	40	
63	63	
100	100	
003	Stroke range [mm]	
...	5 ... 150	
004	Thread type	
I	Female thread	
A	Male thread	
005	Cushioning	
P	Elastic cushioning rings/plates on both sides	
006	Position sensing	
A	For proximity sensor	
007	Number of cylinders	
2N	2 cylinders for twice the force	
3N	3 cylinders for three times the force	
4N	4 cylinders for four times the force	

008	Piston rod thread extension	
	None	
...K2	1 ... 30 mm	
009	Custom thread	
"M5"K5	M5	
"M8"K5	M8	
"M10"K5	M10	
"M10x1,25"K5	M10x1.25	
"M12"K5	M12	
"M12 x1,25"K5	M12 x1.25	
"M16"K5	M16	
"M16x1,5"K5	M16x1.5	
"M20"K5	M20	
010	Piston rod extension	
	None	
...K8	1 ... 150 mm	
011	Temperature resistance	
	Standard	
S6	Heat-resistant seals max. 120 °C	
012	Captive rating plate	
	Rating plate, glued	
TL	Laser etched rating plate	

Datasheet



- Ø - Diameter
25 ... 100 mm
- I - Stroke length
5 ... 150 mm



General technical data					
Piston Ø		25	40	63	100
Pneumatic connection		M5	M5	G1/8	G1/8
Piston rod thread	Inside	M6	M10	M12	M16
	Outside	M8	M12x1.25	M16x1.5	M20x1.5
Design		Piston			
		Piston rod			
		Cylinder barrel			
Cushioning		Elastic cushioning rings/plates at both ends			
Position sensing		Via proximity switch			
Type of mounting		With female thread			
		With accessories			
Mounting position		Any			

Operating and environmental conditions					
Piston Ø		25	40	63	100
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]			
Note on the operating/pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)			
Operating pressure					
in [MPa]	2 cylinders	0.08 ... 1		0.06 ... 1	
	3 cylinders	0.11 ... 1		0.09 ... 1	
	4 cylinders	0.14 ... 1		0.12 ... 1	
in [bar]	2 cylinders	0.8 ... 10		0.6 ... 10	
	3 cylinders	1.1 ... 10		0.9 ... 10	
	4 cylinders	1.4 ... 10		1.2 ... 10	
Ambient temperature ¹⁾		-20 ... +80			
[°C]		S6 0 ... +120			
Corrosion resistance class CRC ²⁾		2			

1) Note operating range of proximity switches

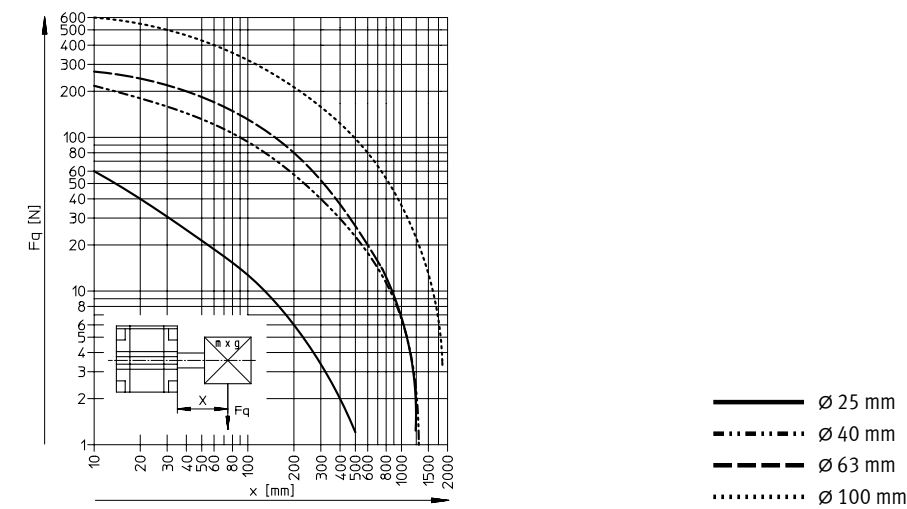
2) More information: www.festo.com/x/topic/crc

Datasheet

Forces [N] and impact energy [J]					
Piston Ø		25	40	63	100
Theoretical force at 6 bar, advancing	2 cylinders	542	1440	3619	9235
	3 cylinders	789	2126	5369	13758
	4 cylinders	1036	2812	7120	18281
Theoretical force at 6 bar, retracting ¹⁾		247	633	1681	4417
Force range		≥ 5 mm before the end position is reached			
Max. impact energy in the end positions		0.3	0.7	1.3	2.5
	S6	0.15	0.35	0.65	1.25

1) Only the single force is available during retracting

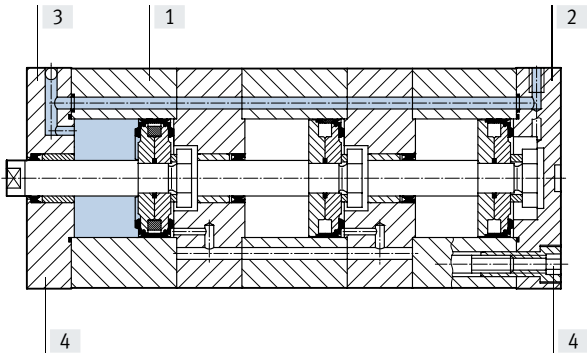
Max. lateral force Fq as a function of projection x



Datasheet

Materials

Sectional view



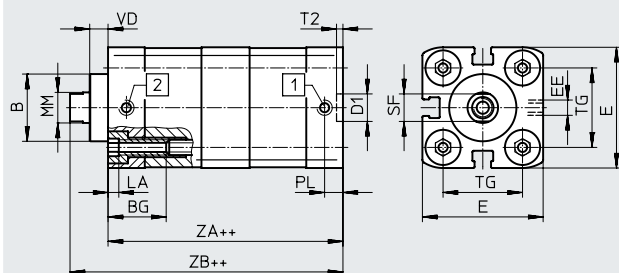
High-force cylinders	Basic version	S6
[1] Cylinder barrel	Anodised aluminium	Anodised aluminium
[2] Cover	Anodised aluminium	Anodised aluminium
[3] Piston rod	High-alloy steel	High-alloy steel
[4] Flange screws	Galvanised steel	Galvanised steel
- Seals	Polyurethane, nitrile rubber	Fluoro rubber
LABS (PWIS) conformity	VDMA24364-B1/B2-L	
Note on materials	RoHS-compliant	

Datasheet

Dimensions – Basic version

Download CAD data → www.festo.com

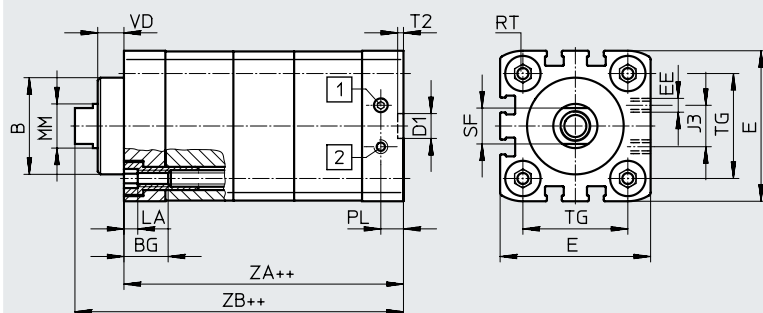
∅ 25/2N – 2 cylinders



- [1] Cylinder advancing
- [2] Cylinder retracting

++ = plus 2x stroke length

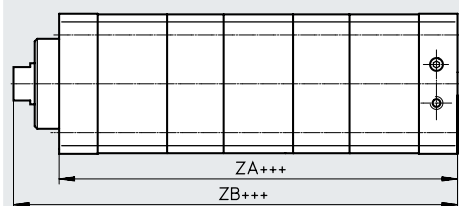
∅ 40 ... 100/2N – 2 cylinders



- [1] Cylinder advancing
- [2] Cylinder retracting

++ = plus 2x stroke length

3N – 3 cylinders



+++ = plus 3x stroke length

4N – 4 cylinders



++++ = plus 4x stroke length

∅	B ∅	BG	D1 ∅	E	EE	J3	PW	MM ∅	PL	RT
[mm]	f8	min.	H9	+0.3			+0.2	h9	+0.2	
25	22	15	9	39.5	M5	–	5	10	6	M5
40	35	16	12	54.5	G1/8	15		16	8.2	M6
63	42	17		75.5		23		20		M8
100	55			113.5		40		25	10.5	M10

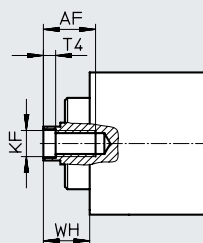
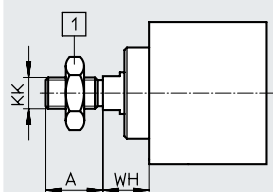
∅	ST	T2	TG	VD	ZA No. of cylinders			ZB No. of cylinders		
[mm]		+0.1	±0.2		2	3	4	2	3	4
25	9	2.1	26	6	76.3 ^{+1.2}	110.5 ^{+1.8}	144.7 ^{+2.4}	88.5 ^{+1.6}	122.7 ^{+2.2}	156.9 ^{+2.8}
40	13		38	9.5	86.2 ^{+1.2}	125.5 ^{+1.8}	164.8 ^{+2.4}	104.6 ^{+1.6}	143.9 ^{+2.2}	183.2 ^{+2.8}
63	17	2.6	56.5	12	93.3 ^{+1.2}	135.7 ^{+1.8}	178.1 ^{+2.4}	114.6 ^{+1.6}	157 ^{+2.2}	199.4 ^{+2.8}
100	21		89	15.5	120.9 ^{+1.2}	172.8 ^{+1.8}	224.7 ^{+2.4}	147.9 ^{+1.6}	199.8 ^{+2.2}	251.7 ^{+2.8}

Datasheet

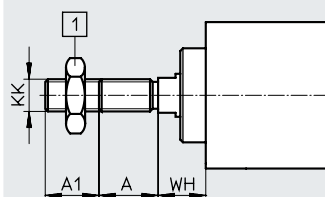
Dimensions – Variants

Download CAD data → www.festo.com

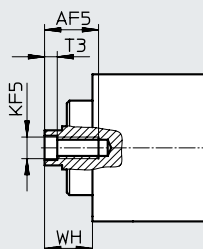
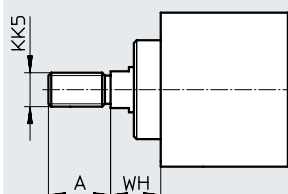
Basic version

[1] Hex nut DIN 439-B
for Ø 40 ... 100 only

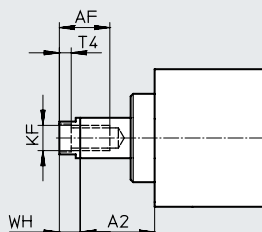
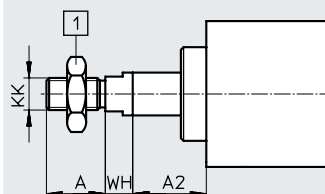
K2 – Reinforced piston rod with extended male piston rod thread

[1] Hex nut DIN 439-B
for Ø 40 ... 100 only

K5 – Reinforced piston rod with special piston rod thread



K8 – Reinforced piston rod with extended piston rod

[1] Hex nut DIN 439-B
for Ø 40 ... 100 only

Ø	A	A1	A2	AF	AF5	KF	KF5	KK	KK5	T3	T4	WH
[mm]	-0.5			min.	min.							+1.3
25	16	1 ... 20	1 ... 150	14	12	M6	M5	M8	M10x1.25 M10	2	2.6	11.8
40	22			20	16	M10	M8	M12x1.25	M10x1.25 M12	3.3	4.7	18
63	28				20	M12	M10	M16x1.5	M12x1.25 M16	4.7	6.1	21
100	40	1 ... 30		25	–	M16	–	M20x1.5	M16x1.5 M20	–	7	26.5

Ordering data – Modular product system

Ordering table							
Size	25	40	63	100	Conditions	Code	Enter code
Module no.	539691	539692	539693	539694			
Function	Compact tandem cylinder, based on DIN ISO 21287					ADNH	ADNH
Size [mm]	25	40	63	100		-...	
Stroke [mm]	5 ... 150					-...	
Thread type	Male thread					-A	
	Female thread					-I	
Cushioning	Elastic cushioning rings/plates at both ends					-P	-P
Position sensing	Via proximity switch					-A	-A
Number of cylinders	2 cylinders for twice the force					-2N	- ... N
	3 cylinders for three times the force					-3N	
	4 cylinders for four times the force					-4N	

Ordering data – Modular product system

Ordering table								
Size	25	40	63	100	Conditions	Code		Enter code
Extended male thread	Extended male piston rod thread							
[mm]	1 ... 20	1 ... 20	1 ... 20	1 ... 30		-...K2		
Special piston rod thread	M10x1.25	M10x1.25	M12x1.25	M16x1.5	[1]	-“...” K5		
	M10	M12	M16	M20				
	M5	M8	M10	–	[2]			
Extended piston rod	Extended piston rod							
[mm]	1 ... 150	1 ... 150	1 ... 150	1 ... 150	[3]	-...K8		
Temperature resistance	Heat-resistant seals max. 120 °C					-S6		
Captive rating plate	Laser-etched rating plate					-TL		

[1] K5 Only with piston rod thread A (male thread)

[2] K5 Only with piston rod thread I (female thread)

[3] K8 The sum of the stroke length and piston rod extension must not exceed the maximum permissible stroke length

Accessories

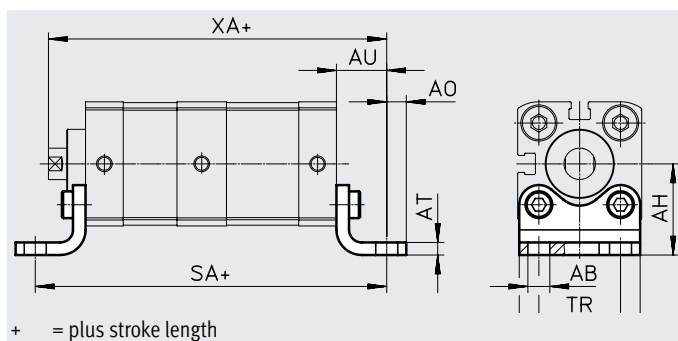
Foot mounting HNA

Material:

HNA: Galvanised steel

HNA-...-R3: Steel with protective coating

RoHS-compliant



Dimensions and ordering data

For ø [mm]	AB ø H14	AH	AO	AT	AU	SA ¹⁾			
						2	3	4	5
25	7	29	6.3	4	16	108.3	142.5	176.7	210.9
40	10	38	9		18	122.2	161.5	202.9	245.9
63		50	8	5	21	135.3	177.7	222.2	268.3
100	14.5	74	12.5	6	27	174.9	226.8	281	336.8

For ø [mm]	TR	US -0.5	XA ¹⁾			
			2	3	4	5
25	26	38.5	104.5	138.7	172.9	207.1
40	36	54	122.6	161.9	203.2	246.2
63	50	75	135.6	178.0	222.4	268.5
100	75	110	174.9	226.8	280.9	336.7

For ø [mm]	Basic version				R3 – High corrosion protection			
	CRC ²⁾	Weight [g]	Part no.	Type	CRC ²⁾	Weight [g]	Part no.	Type
25	1	90	537240	HNA-25	3	90	537255	HNA-25-R3
40	1	157	537242	HNA-40	3	157	537257	HNA-40-R3
63	1	328	537244	HNA-63	3	328	537259	HNA-63-R3
100	1	814	537250	HNA-100	3	814	537261	HNA-100-R3

1) Number of stroke lengths

2 = 2x stroke length

3 = 3x stroke length

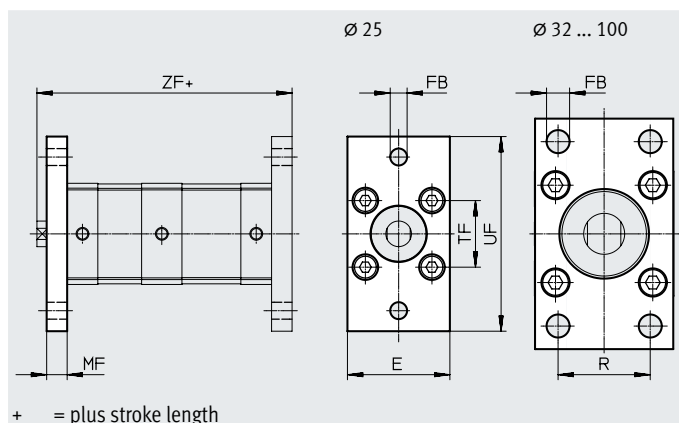
4 = 4x stroke length

2) More information: www.festo.com/x/topic/crc

Accessories

Flange mounting FNC

Material:
Galvanised steel
RoHS-compliant



Dimensions and ordering data

For $\varnothing$	E	FB $\varnothing$	MF	R	TF	UF
[mm]						
25	40	6.6	8	–	60	76
40	54	9	10	36	72	90
63	75		12	50	100	120
100	110	14	16	75	150	175

For $\varnothing$	ZF ¹⁾				CRC ²⁾	Weight [g]	Part no.	Type
	2	3	4	5				
[mm]								
25	96.5	130.7	164.9	199.1	1	165	537248	FNC-25
40	114.6	153.9	195.2	238.2	1	291	174377	FNC-40
63	126.6	169.0	213.4	259.4	1	679	174379	FNC-63
100	163.9	215.8	269.9	325.7	1	2041	174381	FNC-100

- 1) Number of stroke lengths
 2 = 2x stroke length
 3 = 3x stroke length
 4 = 4x stroke length
 5 = 5x stroke length

- 2) More information: www.festo.com/x/topic/crc



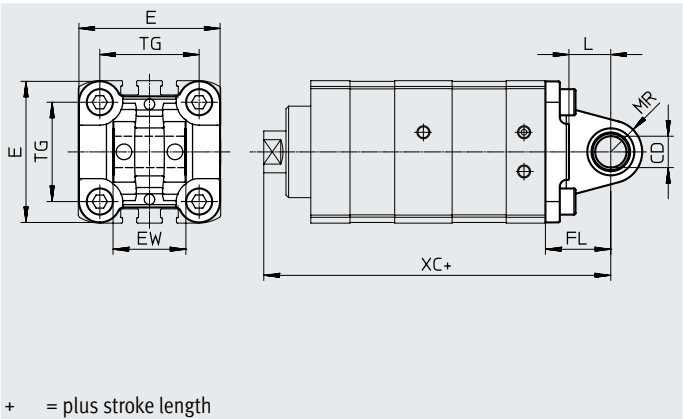
Note

Custom-length screws are required to mount $\varnothing$ 100 mm.
 $\varnothing$ 100: M10x25

Accessories

Swivel flange
SNCL/SNCL-...-R3

Material:
SNCL 25:
Wrought aluminium alloy
SNCL 40 ... 63:
Die-cast aluminium
SNCL-...-R3:
Wrought aluminium alloy with protec-
tive coating
RoHS-compliant



Dimensions and ordering data											
For ø [mm]	CD ø H9	E	EW	FL ±0.2	L	MR	TG	XC ¹⁾			
								2	3	4	5
25	8	38.5 _{-0.6}	16 h12	20	14	8	26	108.5	142.7	176.9	211.1
40	12	54 _{-0.5}	28 -0.2/-0.6	25	16	12	38	129.6	168.9	210.2	253.2
63	16	75 _{-0.6}	40 -0.2/-0.6	32	21	16	56.5	146.6	189.0	231.4	279.5
100	20	110 +0.3/-0.8	60 -0.2/-0.6	41	27	20	89	188.9	240.8	294.9	350.7

For ø [mm]	Basic version				R3 – High corrosion protection			
	CRC ²⁾	Weight [g]	Part no.	Type	CRC ²⁾	Weight [g]	Part no.	Type
25	2	41	537793	SNCL-25	3	41	537797	SNCL-25-R3
40	1	95	174405	SNCL-40	–	–	–	–
63	1	225	174407	SNCL-63	–	–	–	–
100	1	606	174409	SNCL-100	–	–	–	–

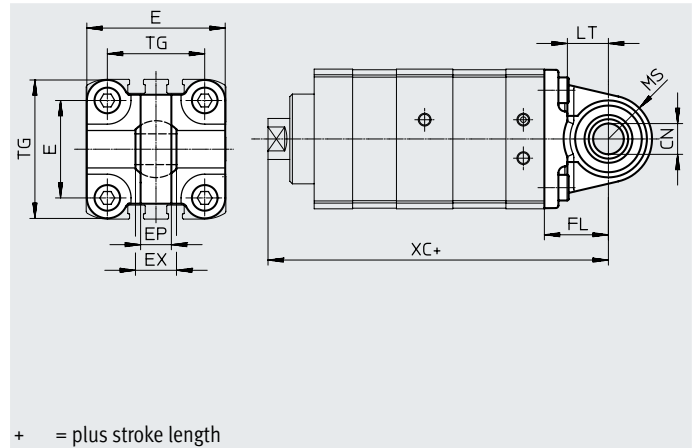
1) Number of stroke lengths
2 = 2x stroke length
3 = 3x stroke length
4 = 4x stroke length
5 = 5x stroke length

2) More information: www.festo.com/x/topic/crc

Accessories

Swivel flange SNCS/CRSNCS/SNCS-...-R3

Material:
 SNCS 40:
 Die-cast aluminium
 SNCS 63 ... 100:
 Wrought aluminium alloy
 CRSNCS 40 ... 63:
 High-alloy stainless steel
 SNCS-...-R3 100:
 Wrought aluminium alloy with protec-
 tive coating
 RoHS-compliant



Dimensions and ordering data								
For $\varnothing$	CN $\varnothing$		E		EP	EX	FL	LT
[mm]	ADNH-...	ADNH-...-R3	ADNH-...	ADNH-...-R3	± 0.2		± 0.2	
40	$12^{+0.015}$	$12+0.018/-0.04$	$54_{-0.5}$	$54_{-0.5}$	12	16	25	16
63	$16^{+0.015}$	$16+0.018/-0.04$	$74.5_{\pm 0.5}$	$75_{-0.6}$	15	21	32	21
100	$20^{+0.018}$	$20+0.021/-0.04$	$109+1/-0.7$	$109+1/-0.7$	18	25	41	27

For $\varnothing$	MS		TG	XC ¹⁾			
[mm]	ADNH-...	ADNH-...-R3		2	3	4	5
40	$17^{+0.5}$	$17^{+0.5}$	38	129.6	168.9	210.2	253.2
63	$23_{-0.5}$	$22^{+0.5}$	56.5	146.6	189.0	233.4	279.5
100	$30_{\pm 0.5}$	$30_{\pm 0.5}$	89	188.9	240.8	294.9	350.7

For $\varnothing$	Basic version				High corrosion protection			
	CRC ²⁾	Weight [g]	Part no.	Type	CRC ²⁾	Weight [g]	Part no.	Type
40	1	122	174398	SNCS-40	4	239	2895921	CRSNCS-40
63	2	281	174400	SNCS-63	4	576	2895923	CRSNCS-63
100	2	683	174402	SNCS-100	3	684	2895925	SNCS-100-R3

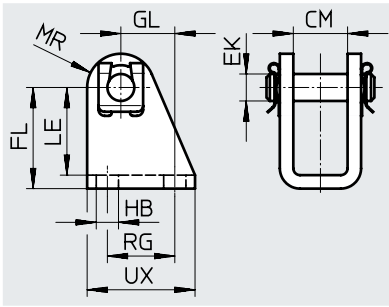
- 1) Number of stroke lengths
 2 = 2x stroke length
 3 = 3x stroke length
 4 = 4x stroke length
 5 = 5x stroke length

- 2) More information: www.festo.com/x/topic/crc

Accessories

Clevis foot LBN

Material:
Galvanised steel
RoHS-compliant

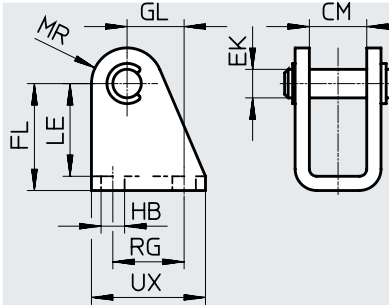


Dimensions and ordering data													
For ø	CM	EK ø	FL	GL	HB ø	LE	MR	RG	UX	CRC ¹⁾	Weight [g]	Part no.	Type
[mm]													
25	16.1	8	30 +0.4/-0.2	16	6.6	26	10	20	32	1	84	6059	LBN-2 0/25

1) More information: www.festo.com/x/topic/crc

Clevis foot CRLBN, stainless steel

Material:
High-alloy steel
RoHS-compliant



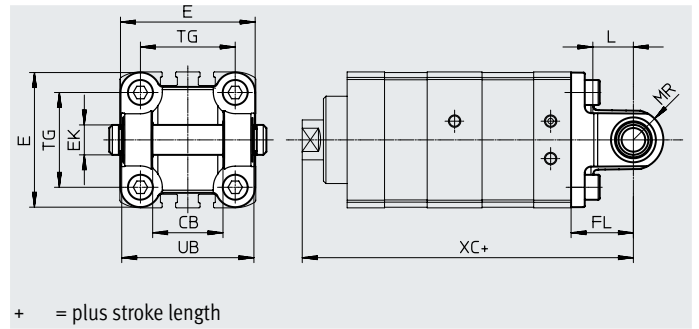
Dimensions and ordering data													
For ø	CM	EK ø	FL	GL	HB ø	LE	MR	RG	UX	CRC ¹⁾	Weight [g]	Part no.	Type
[mm]													
25	16.1	8	30 +0.4/-0.2	16	6.6	26	10	20	32	4	82	161863	CRLBN-2 0/25

1) More information: www.festo.com/x/topic/crc

Accessories

Swivel flange SNCB/SNCB-...-R3

Material:
SNCB: Die-cast aluminium
SNCB-...-R3: Die-cast aluminium with
protective coating
RoHS-compliant



Dimensions and ordering data												
For Ø	CB	E	EK Ø H9/e8	FL ±0.2	L	MR -0.5	TG	UB h14	XC ¹⁾			
[mm]	H14								2	3	4	5
40	28	54	12	25	16	12	38	52	129.6	168.9	210.2	253.2
63	40	75	16	32	21	16	56.5	70	146.6	189.0	233.4	279.5
100	60	110	20	41	27	20	89	110	188.9	240.8	294.9	350.7

For Ø [mm]	Basic version				R3 – High corrosion protection			
	CRC ²⁾	Weight [g]	Part no.	Type	CRC ²⁾	Weight [g]	Part no.	Type
40	1	155	174391	SNCB-40	3	151	176945	SNCB-40-R3
63	1	375	174393	SNCB-63	3	371	176947	SNCB-63-R3
100	1	1035	174395	SNCB-100	3	986	176949	SNCB-100-R3

- 1) Number of stroke lengths
2 = 2x stroke length
3 = 3x stroke length
4 = 4x stroke length
5 = 5x stroke length

- 2) More information: www.festo.com/x/topic/crc

Accessories

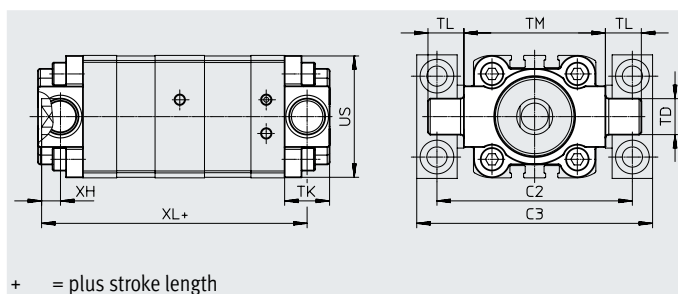
Trunnion flange ZNCF/CRZNG

Material:

ZNCF: Stainless steel casting

CRZNG: Electropolished stainless steel casting

RoHS-compliant



Dimensions and ordering data

For ø	C2)	C3)	TD	TK	TL	TM	US	XH	XL ¹⁾			
[mm]			ø e9	max.		h14			2	3	4	5
40	87	105	16	20	16 h14	63	54	8.4±1	114.6	153.9	195.2	238.2
63	116	136	20	24	20 h14	90	75	9.3±1.2	126.6	169.0	213.4	259.5
100	164	189	25	38	24.5 +0.5/-0.7	132	110	8±1.2	166.9	218.8	272.9	328.7

For ø	Basic version				Corrosion resistant			
	CRC ²⁾	Weight [g]	Part no.	Type	CRC ²⁾	Weight [g]	Part no.	Type
40	2	285	174412	ZNCF-40	4	285	161853	CRZNG-40
63	2	687	174414	ZNCF-63	4	687	161855	CRZNG-63
100	2	2254	174416	ZNCF-100	4	2254	161857	CRZNG-100

- 1) Number of stroke lengths
 2 = 2x stroke length
 3 = 3x stroke length
 4 = 4x stroke length
 5 = 5x stroke length

- 2) More information: www.festo.com/x/topic/crc

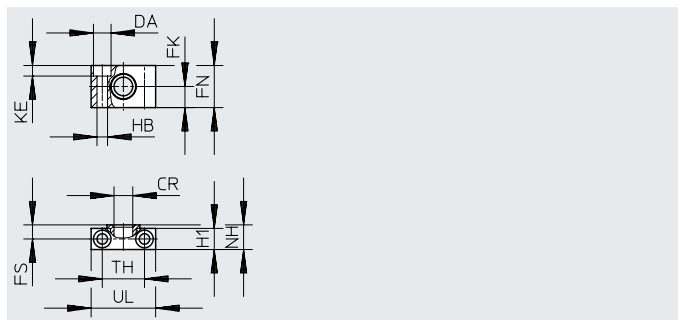
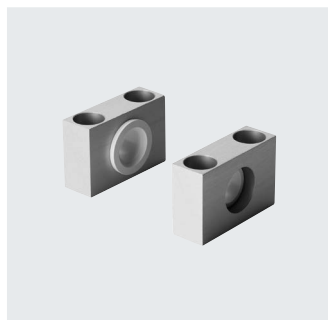
Trunnion support LN_{ZG}

Material:

Trunnion support: Anodised aluminium

Plain bearing: Polymer

RoHS-compliant



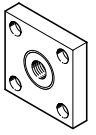
Dimensions and ordering data

For ø	CR	DA	FK	FN	FS	H1	HB	KE	NH	TH	UL	CRC ¹⁾	Weight	Part no.	Type
[mm]	ø D11	ø H13	ø ±0.1				ø H13			±0.2			[g]		
40	16	15	18	36	12	18	9	9	21	36	55	2	129	32960	LN _{ZG} -40/50
63	20	18	20	40	13	20	11	11	23	42	65	2	178	32961	LN _{ZG} -63/80
100	25	20	25	50	16	24.5	14	13	28.5	50	75	2	306	32962	LN _{ZG} -100/125

- 1) More information: www.festo.com/x/topic/crc

Accessories

Ordering data – Piston rod attachments

Designation	For Ø	Part no.	Type
Rod eye SGS			
	25	9255	SGS-M8
	40	9262	SGS-M12x1.25
	63	9263	SGS-M16x1.5
	100	9264	SGS-M20x1.5
Rod clevis SG			
	25	3111	SG-M8
	40	6145	SG-M12x1.25
	63	6146	SG-M16x1.5
	100	6147	SG-M20x1.5
Coupling piece KSG			
	25	–	
	40	32964	KSG-M12x1.25
	63	32965	KSG-M16x1.5
	100	32966	KSG-M20x1.5

Datasheets → Internet: piston rod attachment

Designation	For Ø	Part no.	Type
Rod clevis SGA for rod eye SGS			
	25	–	
	40	10767	SGA-M12x1.25
	63	10768	SGA-M16x1.5
	100	10769	SGA-M20x1.5
Self-aligning rod coupler FK			
	25	2062	FK-M8
	40	6141	FK-M12x1.25
	63	6142	FK-M16x1.5 ¹⁾
	100	6143	FK-M20x1.5 ¹⁾
 Note 1) The maximum force of 10 000 N must not be exceeded when using these piston rod attachments			

Ordering data – Piston rod attachments, corrosion-resistant

Designation	For Ø	Part no.	Type
Rod eye CRSGS			
	25	195581	CRSGS-M8
	40	195583	CRSGS-M12x1.25
	63	195584	CRSGS-M16x1.5
	100	195585	CRSGS-M20x1.5
Self-aligning rod coupler CRFK			
	40	2305779	CRFK-M12x1.25
	63	2490673	CRFK-M16x1.5
	100	2545677	CRFK-M20x1.5

Datasheets → Internet: piston rod attachment

Designation	For Ø	Part no.	Type
Rod clevis CRSG			
	25	13568	CRSG-M8
	40	13570	CRSG-M12x1.25
	63	13571	CRSG-M16x1.5
	100	13572	CRSG-M20x1.5

 Note

Piston rod attachments for cylinders with special piston rod thread (variant K5) → www.festo.com

Ordering data – Mounting components

Designation	For Ø	Part no.	Type
Clevis foot LBG for rod eye SGS			
	25	–	
	40	31762	LBG-40
	63	31764	LBG-63
	100	31766	LBG-100

Datasheets → Internet: clevis foot

Designation	For Ø	Part no.	Type
Right-angle clevis foot LQG for rod eye SGS			
	25	–	
	40	31769	LQG-40
	63	31771	LQG-63
	100	31773	LQG-100

Ordering data – Mounting components, high corrosion protection

Designation	For Ø	Part no.	Type
Clevis foot LBG-R3 for rod eye SGS			
	40	2078792	LBG-40-R3
	63	2078795	LBG-63-R3
	100	2078799	LBG-100-R3

Datasheets → Internet: clevis foot

Accessories

Ordering data – One-way flow control valves

Datasheets → Internet: grla

	Connection For Ø	For tubing O.D.	Material	Part no.	Type
For exhaust air					
	25, 40	3	Metal design	193137	GRLA-M5-QS-3-D
		4		193138	GRLA-M5-QS-4-D
	63, 100	4		193143	GRLA-1/8-QS-4-D
		6		193144	GRLA-1/8-QS-6-D
		8		193145	GRLA-1/8-QS-8-D

Ordering data – Proximity switch for T-slot, magneto-resistive

Datasheets → Internet: smt

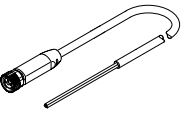
	Type of mounting	Switching output	Electrical connection	Cable length [m]	Part no.	Type
N/O						
	Inserted in the slot from above, flush with the cylinder profile, short design	PNP	Cable, 3-core	2.5	574335	SMT-8M-A-PS-24V-E-2.5-OE
			Plug M8x1, 3-pin	0.3	574334	SMT-8M-A-PS-24V-E-0.3-M8D
			1x M12 plug, 3-pin	0.3	574337	SMT-8M-A-PS-24V-E-0.3-M12
		NPN	Cable, 3-core	2.5	574338	SMT-8M-A-NS-24V-E-2.5-OE
			1x M8 plug, 3-pin	0.3	574339	SMT-8M-A-NS-24V-E-0.3-M8D
N/C						
	Inserted in the slot from above, flush with the cylinder profile, short design	PNP	Cable, 3-core	7.5	574340	SMT-8M-A-PO-24V-E-7.5-OE

Ordering data – Proximity switch for T-slot, magnetic reed

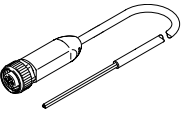
Datasheets → Internet: sme

Mounting data	Mounting data for 1 slot, 2-pole, 2-wire	Switching output	Electrical connection	Cable length [m]	Part no.	Type
N/O						
	Inserted in the slot from above, flush with the cylinder profile	Contacting	Cable, 3-core	2.5	543862	SME-8M-DS-24V-K-2.5-OE
				5.0	543863	SME-8M-DS-24V-K-5.0-OE
			Cable, 2-core	2.5	543872	SME-8M-ZS-24V-K-2.5-OE
			Plug M8x1, 3-pin	0.3	543861	SME-8M-DS-24V-K-0.3-M8D
	Inserted in the slot lengthwise, flush with the cylinder profile	Contacting	Cable, 3-core	2.5	150855	SME-8-K-LED-24
			Plug M8x1, 3-pin	0.3	150857	SME-8-S-LED-24
N/C						
	Inserted in the slot lengthwise, flush with the cylinder profile	Contacting	Cable, 3-core	7.5	160251	SME-8-O-K-LED-24

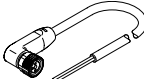
Connecting cables NEBA, straight, M8 connection

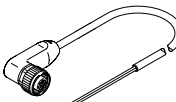
	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Type
	M8x1 A-coded to EN 61076-2-104	Open end	3	2.5 m	8078223	NEBA-M8G3-U-2.5-N-LE3
				5 m	8078224	NEBA-M8G3-U-5-N-LE3

Connecting cables NEBA, straight, M12 connection

	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Type
	M12x1, A-coded to EN 61076-2-101	Open end	3	2.5 m	8078236	NEBA-M12G5-U-2.5-N-LE3
				5 m	8078237	NEBA-M12G5-U-5-N-LE3

Accessories

Connecting cables NEBA, angled, M8 connection						
	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Type
	M8x1 A-coded to 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

Connecting cables NEBA, angled, M12 connection						
	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Type
	M12x1, A-coded to EN 61076-2-101	Open end	3	2.5 m	8078245	NEBA-M12W5-U-2.5-N-LE3
				5 m	8078246	NEBA-M12W5-U-5-N-LE3

Ordering data – Proximity switch, cuboid shape, pneumatic			Datasheets → Internet: smpo	
	Pneumatic connection	Part no.	Type	
3/2-way valve, normally closed				
	Female thread M5	178563	SMPO-8E	

Ordering data – Mounting kit for proximity switch SMPO-8E					Datasheets → Internet: smb	
	Mounting		Part no.	Type		
	Clamped in T-slot			178230	SMB-8E	

Ordering data – Slot cover for T-slot						
	Mounting	Length		Part no.	Type	
	Insertable	2x 0.5 m		151680	ABP-5-S	