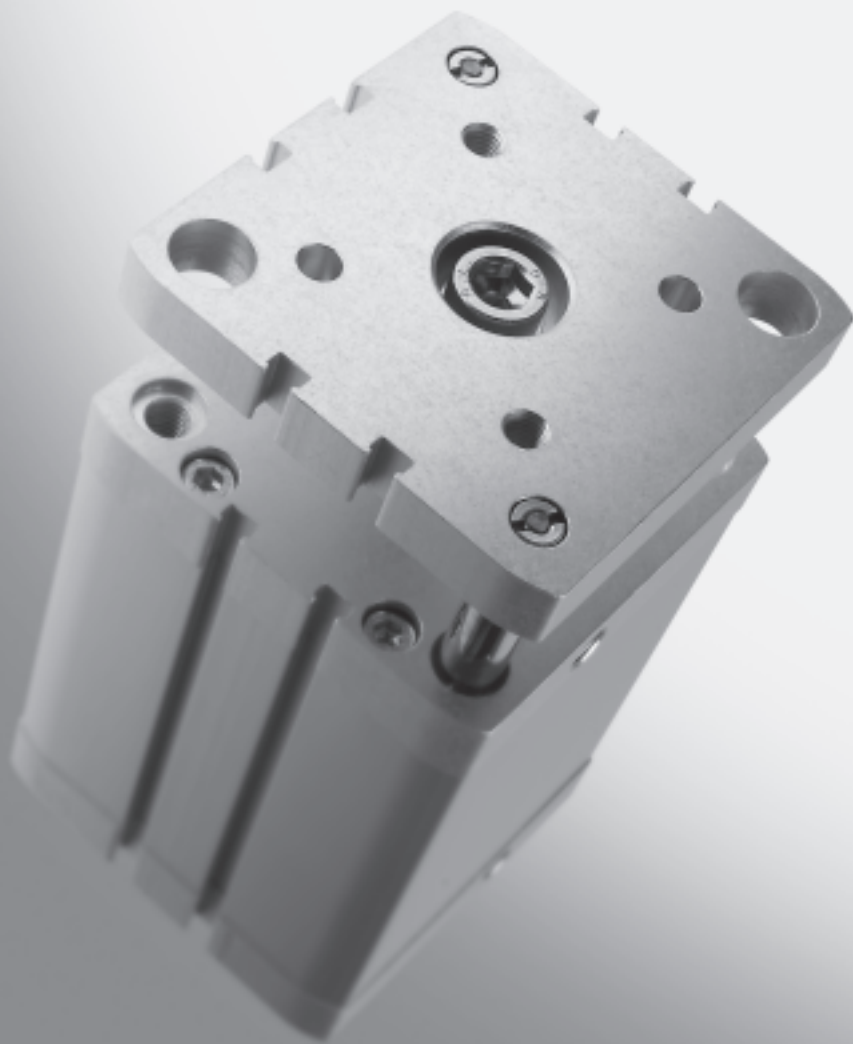




- Piston rod secured against rotation by means of guide rods and yoke plate
- Extensive range of accessories
- Spare parts service

Specified types in accordance with ATEX directive for potentially explosive atmospheres
➔ www.festo.com/en/ex

Compact cylinders ADNGF, with guide rods and yoke plate

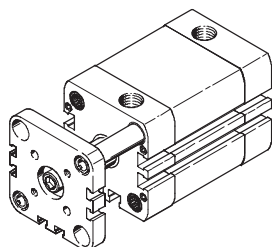
Type codes

FESTO

		ADNGF	—	50	—	25	—	P	—	A	—	S6
Type												
Double-acting												
ADNGF	Basic version											
Piston $\varnothing$ [mm]												
Stroke [mm]												
Cushioning												
P	Flexible cushioning rings/plates at both ends											
Position sensing												
A	For proximity sensing											
Variant												
S2	Through piston rod											
S6	Heat resistant seals up to max. 120 °C											
TL	Captive rating plate											

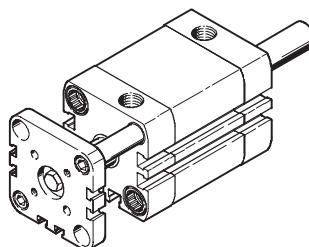
With guide rods and yoke plate

ADNGF-...



With guide rods, yoke plate and through piston rod

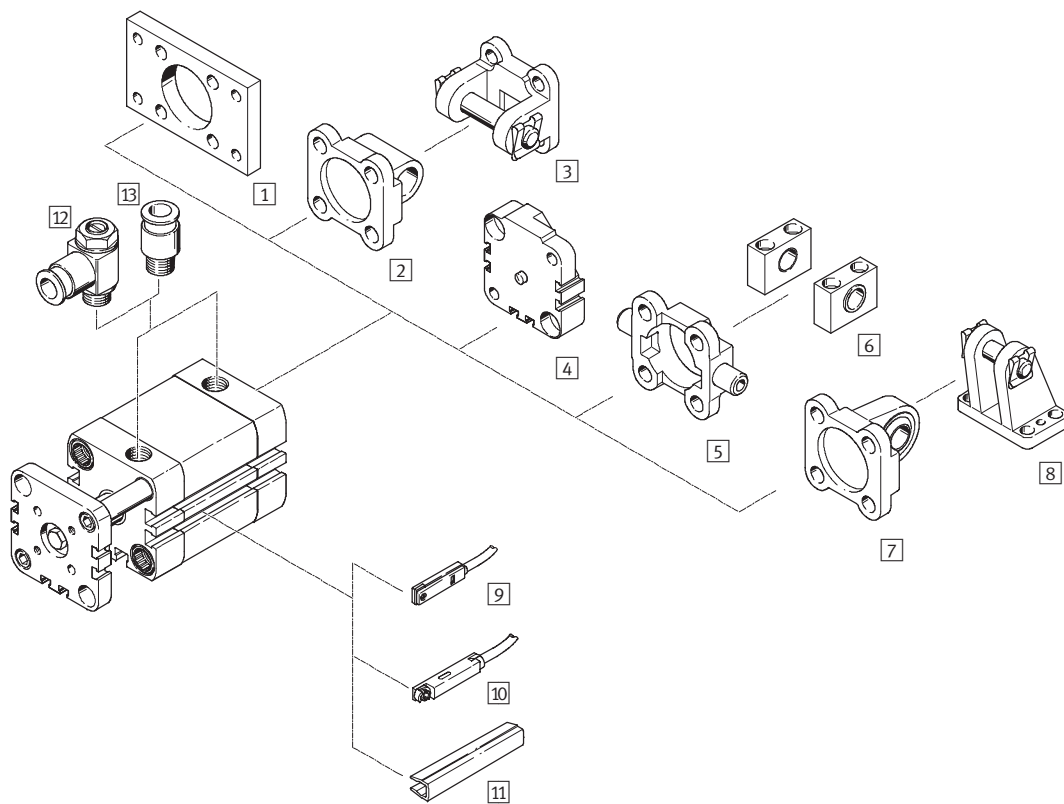
ADNGF-...-S2



Compact cylinders ADNGF, with guide rods and yoke plate

Peripherals overview

FESTO



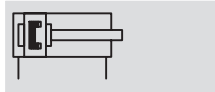
Mounting attachments and accessories		
	Brief description	→ Page
1	Flange mounting FNC	For end caps
2	Swivel flange SNCL	For end caps
3	Swivel flange SNCB	For end caps
4	Multi-position kit DPNA	For connecting two cylinders with identical piston $\varnothing$ to form a multi-position cylinder
5	Trunnion flange ZNCF/CRZNG	For end caps
6	Trunnion supports LNZG	For trunnion flange ZNCF/CRZNG
7	Swivel flange SNCS	For end caps
8	Clevis foot LBG	For swivel flange SNCS
9	Proximity sensor SME/SMT-8	Can be integrated in the cylinder profile barrel
10	Proximity sensor SME/SMT-8F	Can be integrated in the cylinder profile barrel
11	Slot cover ABP-5-S	For protecting the sensor cable and keeping dirt out of the sensor slots
12	One-way flow control valve GRLA/GRLZ	For regulating speed
13	Push-in fitting QS	For connecting compressed air tubing with standard external diameters

Compact cylinders ADNGF, with guide rods and yoke plate

Technical data

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Function



Ø - Diameter
12 ... 100 mm

┌ - Stroke length
1 ... 400 mm

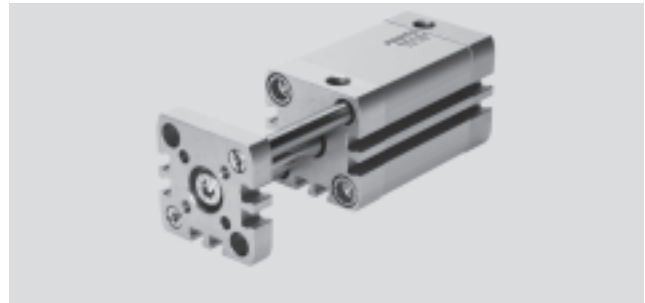
Variants



S2



S6



General technical data

Piston Ø	12	16	20	25	32	40	50	63	80	100
Pneumatic connection	M5	M5	M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8
Operating medium	Filtered compressed air, lubricated or unlubricated									
Design	Piston									
	Piston rod									
	Cylinder barrel									
Cushioning	Flexible cushioning rings/plates at both ends									
Position sensing	For proximity sensing									
Type of mounting	Via through-holes									
	Via female threads									
	Via accessories									
Assembly position	Any									

Operating pressure [bar]

Piston Ø	12	16	20	25	32	40	50	63	80	100
Piston rod	1.5 ... 10		1 ... 10							
S2	1.5 ... 10				1 ... 10					

Ambient conditions

	Basic version, S2	S6
Ambient temperature ¹⁾ [°C]	-20 ... +80	0 ... +120
Corrosion resistance class CRC ²⁾	2	

1) Note operating range of proximity sensors

2) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Forces [N] and impact energy [J]

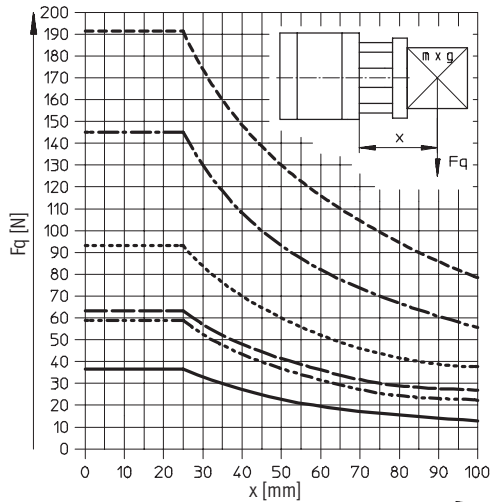
Piston Ø	12	16	20	25	32	40	50	63	80	100
Theoretical force at 6 bar, advancing	68	121	188	295	483	754	1,178	1,870	3,016	4,712
S2	51	90	141	247	415	686	1,057	1,750	2,827	4,524
Theoretical force at 6 bar, retracting	51	90	141	247	415	686	1,057	1,750	2,827	4,524
S2	51	90	141	247	415	686	1,057	1,750	2,827	4,524
Max. impact energy at the end positions	0.07	0.15	0.2	0.3	0.4	0.7	1.0	1.3	1.8	2.5

Compact cylinders ADNGF, with guide rods and yoke plate

Technical data

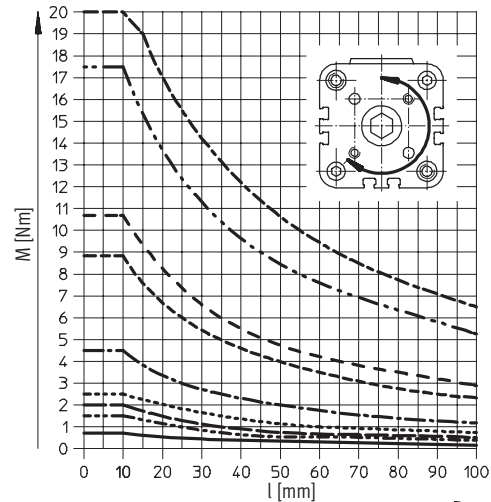
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Max. lateral force F_q as a function of the projection x



- $\varnothing$ 12/16
- - - $\varnothing$ 20/25
- $\varnothing$ 32
- · - $\varnothing$ 40
- · - $\varnothing$ 50/63
- - - $\varnothing$ 80/100

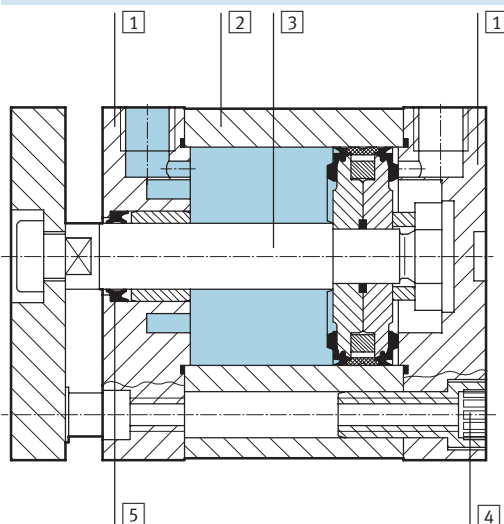
Torque M as a function of the stroke length l



- $\varnothing$ 12/16
- - - $\varnothing$ 20
- $\varnothing$ 25
- · - $\varnothing$ 32
- · - $\varnothing$ 40
- - - $\varnothing$ 50
- - - $\varnothing$ 63
- · - $\varnothing$ 80
- - - $\varnothing$ 100

Materials

Sectional view



Compact cylinder		Basic version, Q	S6
1	Cap	Anodised aluminium	
2	Cylinder barrel	Anodised aluminium	
3	Piston rod	High-alloy steel	
4	Flange screws	$\varnothing$ 12 ... 16	High-alloy steel
		$\varnothing$ 20 ... 63	Galvanised steel
		$\varnothing$ 80 ... 100	Standard screws, galvanised steel
5	Seals	Polyurethane	Fluorocarbon rubber

Compact cylinders ADNGF, with guide rods and yoke plate

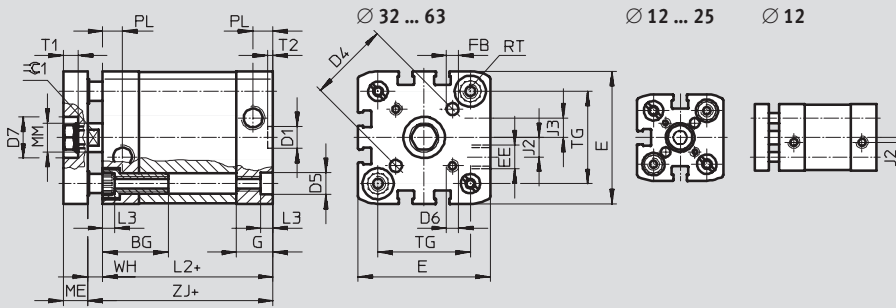
Technical data

FESTO

Dimensions – Basic version

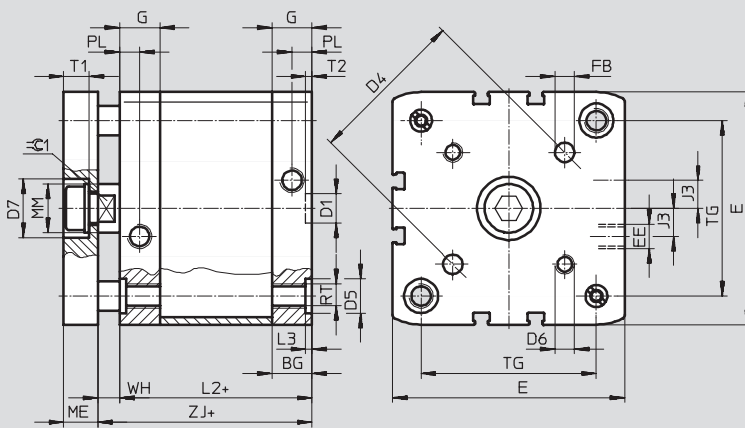
Download CAD data → www.festo.com/en/engineering

Ø 12 ... 63



+ = plus stroke length

Ø 80 ... 100



+ = plus stroke length

Ø [mm]	BG	D1 Ø H9	D4 Ø	D5 Ø F9	D6	D7 Ø H9	E	EE	FB Ø H8	G	J2	J3
12	17	9	12	6	M3	–	27.5+0.3	M5	3	10.5	2	–
16			14		M3	–	29+0.3			11	2.6	
20	19.5		17	9	M4	–	35.5+0.3		4	12		
25			22		M5	14	39.5+0.3			5	15	6
32	27	28	M5		17	47+0.3	G ¹ / ₈	8				
40		33	M5			54.5+0.3					11.5	
50		12	42	12	M6	22		65.5+0.3	6			
63			50		M6			75.5+0.3			20	
80	16.5	12	65	15	M8	24	95.5+0.6	G ¹ / ₈	8	16.5		
100	21.5		80		M10		113.5+0.6		10	21.5	20	

Ø	L2	L3	ME	MM Ø	PL	RT	T1	T2	TG	WH	ZJ	≈G1
[mm]	max.	+0.2		h8	+0.2			+0.1	±0.2	+1		h13
12	35	3.5	6	6	6	M4	–	2.1	16	4.2	40	5
16				8			–		18	4.85		7
20	37	5	8	10	M5	–	22		5.65	43	9	
25	39					5	26		5.65	45		
32	44		10	12	8.2	M6	6	32.5	6.15	50	10	
40	45							38	6.15	51		
50	49	12	16	M8		7.5	2.6	46.5	8.25	53	13	
63								56.5	8.25	57		
80	54	2.6	14	20	8.2	M10	10.5	2.6	72	9	63	17
100	67				10.5				89	9	76	

Compact cylinders ADNGF, with guide rods and yoke plate

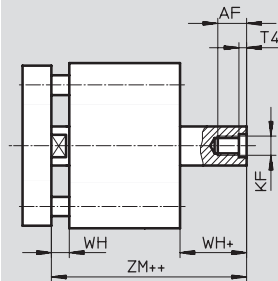
Technical data

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Dimensions – Variants

Download CAD data → www.festo.com/en/engineering

S2 – Through piston rod



+ = plus stroke length
++ = plus 2 stroke lengths

Ø	AF	KF	T4	WH	ZJ	ZM
[mm]	min.			+1		
12	8	M3	1.5	4.2	40	44.2
16	10	M4		4.85		44.85
20	14	M6	2.6	5.65	43	48.65
25					45	50.65
32	16	M8	3.3	6.15	50	56.15
40					51	57.15
50	20	M10	4.7	8.25	53	61.25
63					57	65.25
80		M12	6.1	9	63	72
100					76	85

Compact cylinders ADNGF, with guide rods and yoke plate

Ordering data – Modular products

FESTO

M Mandatory data						O Options		
Module No.	Function	Size	Stroke	Cushioning	Position sensing	Type of piston rod	Temperature resistant	Captive rating plate
537 123	ADNGF	12	1 ... 400	P	A	S2		
537 124		16						
537 125		20						
537 126		25						
537 127		32						
537 128		40						
537 129		50						
537 130		63						
537 131		80						
537 132		100						
Ordering example								
537 128	ADNGF	- 40	- 250	- P	- A	- S2	- S6	- TL

Ordering table															
Size		12	16	20	25	32	40	50	63	80	100	Condi- tions	Code	Enter code	
M	Module No.	537123	537124	537125	537126	537127	537128	537129	537130	537131	537132				
	Function	Standard compact cylinder with plain-bearing guide, double-acting, based on ISO 21287											ADNGF	ADNGF	
	Size [mm]	12	16	20	25	32	40	50	63	80	100		-...		
	Stroke [mm]	1 ... 200			3 ... 200			5 ... 300			5 ... 400			-...	
	Cushioning	Flexible cushioning rings/plates at both ends											-P	-P	
	Position sensing	For proximity sensing											-A	-A	
O	Type of piston rod	Through piston rod											-S2		
	Temperature resistant	Heat resistant seals up to max. 120°C											-S6		
	Captive rating plate	Laser etched rating plate											-TL		

Transfer order code

	ADNGF	-		-		-	P	-	A	-		-	
--	-------	---	--	---	--	---	---	---	---	---	--	---	--

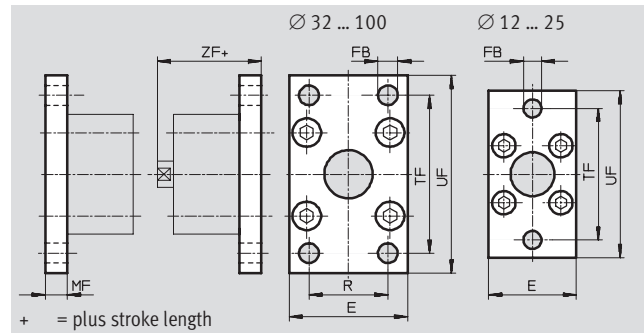
Compact cylinders ADNGF, with guide rods and yoke plate

FESTO

Accessories

Flange mounting FNC

Material:
Galvanised steel
Free of copper, PTFE and silicone



Dimensions and ordering data											
For Ø	E	FB Ø	MF	R	TF	UF	ZF	CRC ¹⁾	Weight	Part No.	Type
[mm]						±1			[g]		
12	28	5.5	8	-	40	50	48	2	80	537 245	FNC-12
16	29				43	55		2	90	537 246	FNC-16
20	36	6.6			55	70	51	2	145	537 247	FNC-20
25	40				60	76	53	2	170	537 248	FNC-25
32	45	7	10	32	64	80	60	2	240	174 376	FNC-32
40	54	9		36	72	90	61	2	280	174 377	FNC-40
50	65		12	45	90	110	65	2	520	174 378	FNC-50
63	75			50	100	120	69	2	690	174 379	FNC-63
80	93	12	16	63	126	150	79	2	1,650	174 380	FNC-80
100	110	14		75	150	175	92	2	2,400	174 381	FNC-100

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Compact cylinders ADNGF, with guide rods and yoke plate

Accessories

FESTO

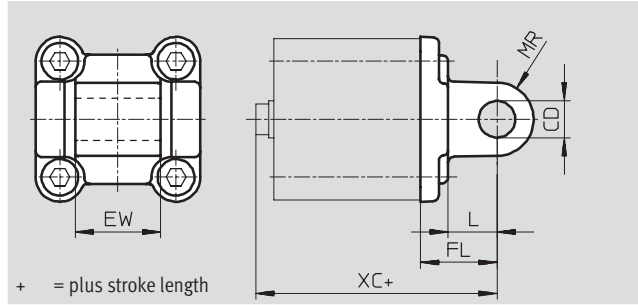
Swivel flange SNCL

Material:

SNCL: Wrought aluminium alloy

SNCL-...-R3: Wrought aluminium alloy

Free of copper, PTFE and silicone



Dimensions and ordering data						
For Ø	CD	EW	FL	L	MR	XC
[mm]	Ø H9	h12	±0.2			
12	6	12	16	10	6	56
16						
20						63
25	8	16	20	14	8	65
32						72
40						76
50	12	28	25	16	12	80
63						89
80						99
100	16	50	36	22	16	
	20	60	41	27	20	117

For Ø	Basic version				R3 – High corrosion protection			
	CRC ¹⁾	Weight [g]	Part No.	Type	CRC ¹⁾	Weight [g]	Part No.	Type
[mm]								
12	2	20	537 790	SNCL-12	3	20	537 794	SNCL-12-R3
16	2	25	537 791	SNCL-16	3	25	537 795	SNCL-16-R3
20	2	40	537 792	SNCL-20	3	40	537 796	SNCL-20-R3
25	2	45	537 793	SNCL-25	3	45	537 797	SNCL-25-R3
32	2	85	174 404	SNCL-32	–	–	–	–
40	2	115	174 405	SNCL-40	–	–	–	–
50	2	180	174 406	SNCL-50	–	–	–	–
63	2	270	174 407	SNCL-63	–	–	–	–
80	2	480	174 408	SNCL-80	–	–	–	–
100	2	700	174 409	SNCL-100	–	–	–	–

1) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

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

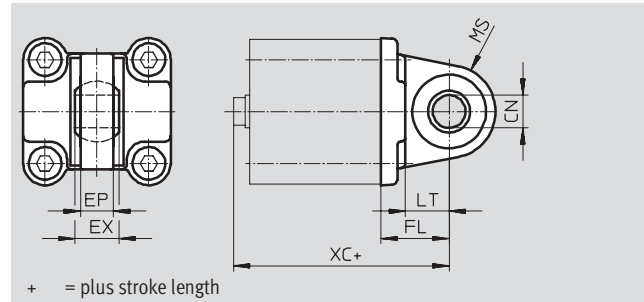
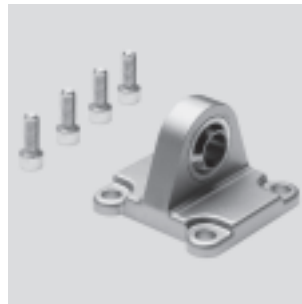
Compact cylinders ADNGF, with guide rods and yoke plate

FESTO

Accessories

Swivel flange SNCS

Material:
Wrought aluminium alloy



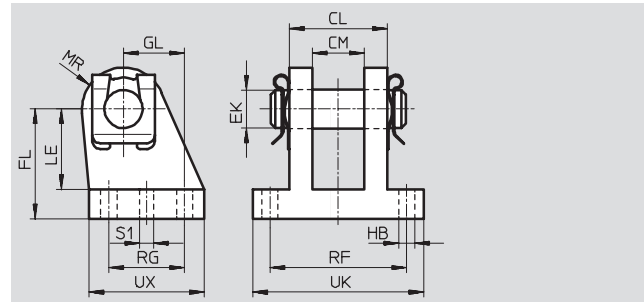
Dimensions and ordering data											
For Ø	CN	EP	EX	FL	LT	MS	XC	CRC ¹⁾	Weight	Part No.	Type
[mm]	Ø H7	+0.2		±0.2					[g]		
32	10	10.5	14	22	13	15	66	2	85	174 397	SNCS-32
40	12	12	16	25	16	17	70	2	125	174 398	SNCS-40
50	16	15	21	27	16	20	72	2	210	174 399	SNCS-50
63	16	15	21	32	21	22	81	2	280	174 400	SNCS-63
80	20	18	25	36	22	27	90	2	540	174 401	SNCS-80
100	20	18	25	41	27	29	108	2	700	174 402	SNCS-100

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Clevis foot LBG

The pivot pin is secured against rotation with a dowel pin.

Material:
Nodular graphite cast iron
Free of copper, PTFE and silicone



Dimensions and ordering data																	
For Ø	CL	CM	EK Ø	FL	GL	HB Ø	LE	MR	RF	RG	S1 Ø	UK	UX	CRC ¹⁾	Weight	Part No.	Type
[mm]															[g]		
32	28	14.1	10	32	16	6.8	24	12	42	20	4.8	56	36	2	220	31 761	LBG-32
40	30	16.1	12	36	20	6.8	26	14	44	26	5.8	58	41.5	2	300	31 762	LBG-40
50	40	21.1	16	45	25	9.2	33	15	56	31	5.8	70	47	2	540	31 763	LBG-50
63	40	21.1	16	50	25	9	38	17	56	31	7.8	70	47	2	580	31 764	LBG-63
80	50	25.1	20	63	30	11	49	18	70	36	7.8	89	57	2	1,050	31 765	LBG-80
100	50	25.1	20	71	41	11	56	22	70	46	9.8	89	67.5	2	1,375	31 766	LBG-100

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Compact cylinders ADNGF, with guide rods and yoke plate

Accessories

FESTO

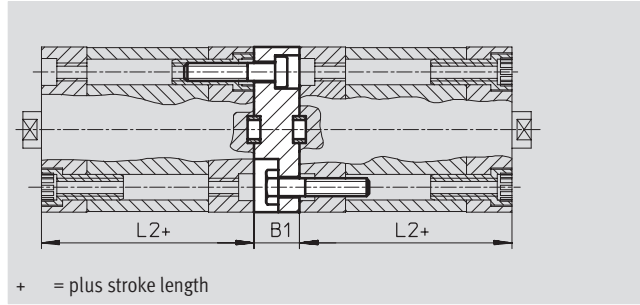
Multi-position kit DPNA

Material:

Flange: Aluminium

Screws: Galvanised steel

Free of copper, PTFE and silicone



Dimensions and ordering data						
For Ø	L2	B1	Max. overall stroke length	CRC ¹⁾	Part No.	Type
[mm]			[mm]			
12	35	13	600	2	537 263	DPNA-12
16			600	2	537 264	DPNA-16
20			600	2	537 265	DPNA-20
25			600	2	537 266	DPNA-25
32	44	15	800	2	537 267	DPNA-32
40	45		800	2	537 268	DPNA-40
50			800	2	537 269	DPNA-50
63	49		800	2	537 270	DPNA-63
80	54	17	1,000	2	537 271	DPNA-80
100	67	19.5	1,000	2	537 272	DPNA-100

-  - Note

The maximum overall stroke length must not be exceeded when combining cylinders using the multi-position kit.

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Compact cylinders ADNGF, with guide rods and yoke plate

FESTO

Accessories

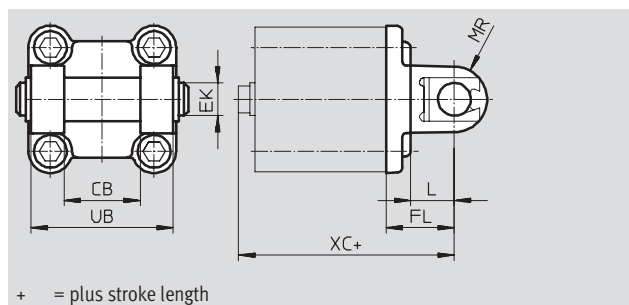
Swivel flange SNCB/SNCB-...-R3

Material:

SNCB: Wrought aluminium alloy

SNCB-...-R3: Wrought aluminium alloy,
silver protective coating, high
corrosion protection

Free of copper, PTFE and silicone



Dimensions and ordering data							
For Ø	CB	EK	FL	L	MR	UB	XC
[mm]	H14	Ø e8	±0.2			h14	
32	26	10	22	13	10	45	72
40	28	12	25	16	12	52	76
50	32	12	27	16	12	60	80
63	40	16	32	21	16	70	89
80	50	16	36	22	16	90	99
100	60	20	41	27	20	110	117

For Ø	Basic version				R3 – High corrosion protection			
	CRC ¹⁾	Weight [g]	Part No.	Type	CRC ¹⁾	Weight [g]	Part No.	Type
[mm]								
32	2	100	174 390	SNCB-32	3	100	176 944	SNCB-32-R3
40	2	150	174 391	SNCB-40	3	150	176 945	SNCB-40-R3
50	2	225	174 392	SNCB-50	3	225	176 946	SNCB-50-R3
63	2	365	174 393	SNCB-63	3	365	176 947	SNCB-63-R3
80	2	610	174 394	SNCB-80	3	610	176 948	SNCB-80-R3
100	2	925	174 395	SNCB-100	3	925	176 949	SNCB-100-R3

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.
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

Compact cylinders ADNGF, with guide rods and yoke plate

Accessories

FESTO

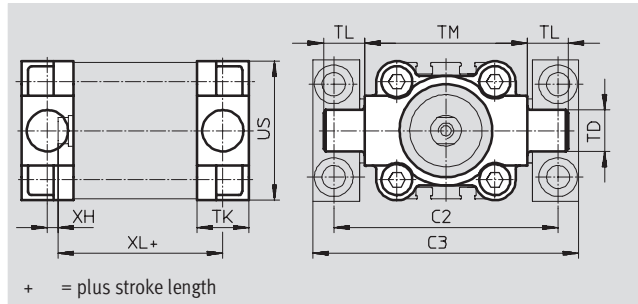
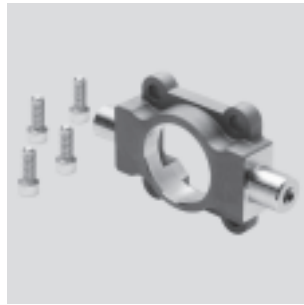
Trunnion flange ZNCF/CRZNG

Material:

ZNCF: Stainless steel casting

CRZNG: Electrolytically polished stainless steel casting

Free of copper, PTFE and silicone



Dimensions and ordering data									
For Ø	C2	C3	TD Ø e9	TK	TL	TM	US	XH	XL
[mm]									
32	71	86	12	16	12	50	45	2	52
40	87	105	16	20	16	63	54	4	55
50	99	117	16	24	16	75	64	4	57
63	116	136	20	24	20	90	75	4	61
80	136	156	20	28	20	110	93	5	81
100	164	189	25	38	25	132	110	10	86

For Ø	Basic version				R3 – High corrosion protection			
	CRC ¹⁾	Weight [g]	Part No.	Type	CRC ¹⁾	Weight [g]	Part No.	Type
[mm]								
32	2	130	174 411	ZNCF-32	4	150	161 852	CRZNG-32
40	2	240	174 412	ZNCF-40	4	260	161 853	CRZNG-40
50	2	390	174 413	ZNCF-50	4	430	161 854	CRZNG-50
63	2	600	174 414	ZNCF-63	4	640	161 855	CRZNG-63
80	2	1,150	174 415	ZNCF-80	4	1,300	161 856	CRZNG-80
100	2	2,030	174 416	ZNCF-100	4	2,400	161 857	CRZNG-100

- 1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.
Corrosion resistance class 4 according to Festo standard 940 070
Components requiring higher corrosion resistance. Parts used with aggressive media, e.g. food or chemical industry. These applications should be supported with special tests with the media if required

Compact cylinders ADNGF, with guide rods and yoke plate

FESTO

Accessories

Trunnion support LNZG

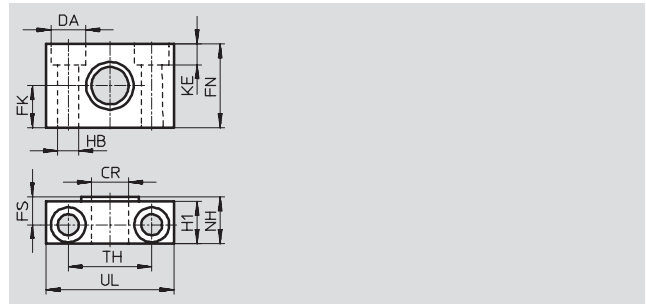
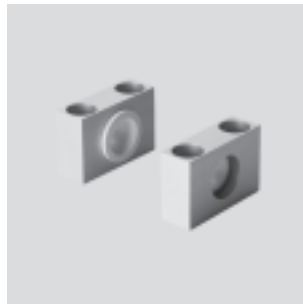
Material:

Trunnion support:

Anodised aluminium

Plain bearing: Plastic

Free of copper, PTFE and silicone



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]		
32	12	11	15	30	10.5	15	6.6	6.8	18	32	46	2	125	32 959	LNZG-32
40, 50	16	15	18	36	12	18	9	9	21	36	55	2	400	32 960	LNZG-40/50
63, 80	20	18	20	40	13	20	11	11	23	42	65	2	480	32 961	LNZG-63/80
100	25	20	25	50	16	24.5	14	13	28.5	50	75	2	960	32 962	LNZG-100/125

1) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Compact cylinders ADNGF, with guide rods and yoke plate

Accessories

FESTO

Ordering data – One-way flow control valves				Technical data → Volume 2	
	Connection		Material	Part No.	Type
	For Ø	For tubing O.D.			
For exhaust air					
	12, 16, 20, 25	3	Metal design	193 137	GRLA-M5-QS-3-D
		4		193 138	GRLA-M5-QS-4-D
		6		193 139	GRLA-M5-QS-6-D
	32, 40, 50, 63, 80, 100	3		193 142	GRLA-1/8-QS-3-D
		4		193 143	GRLA-1/8-QS-4-D
		6		193 144	GRLA-1/8-QS-6-D
		8		193 145	GRLA-1/8-QS-8-D
For supply air					
	12, 16, 20, 25	3	Metal design	193 153	GRLZ-M5-QS-3-D
		4		193 154	GRLZ-M5-QS-4-D
		6		193 155	GRLZ-M5-QS-6-D
	32, 40, 50, 63, 80, 100	3		193 156	GRLZ-1/8-QS-3-D
		4		193 157	GRLZ-1/8-QS-4-D
		6		193 158	GRLZ-1/8-QS-6-D
		8		193 159	GRLZ-1/8-QS-8-D

Compact cylinders ADNGF, with guide rods and yoke plate

Accessories

FESTO

Ordering data – Proximity sensors for T-slot, magneto-resistive								Technical data ➔ 1 / 10.2-13	
	Assembly	Switch output	Electrical connection			Cable length [m]	Part No.	Type	
			Cable	Plug M8	Plug M12				
N/O contact									
	Insertable from above	PNP	3-wire	–	–	2.5	525 898	SMT-8F-PS-24V-K2,5-OE	
		NPN					525 909	SMT-8F-NS-24V-K2,5-OE	
		–	2-wire	–	–	2.5	525 908	SMT-8F-ZS-24V-K2,5-OE	
		PNP	–	3-pin	–	0.3	525 899	SMT-8F-PS-24V-K0,3-M8D	
		NPN					525 910	SMT-8F-NS-24V-K0,3-M8D	
		PNP	–	–	3-pin	0.3	525 900	SMT-8F-PS-24V-K0,3-M12	
	Insertable from end, flush with the cylinder profile	PNP	3-wire	–	–	2.5	175 436	SMT-8-PS-K-LED-24-B	
			–	3-pin	–	0.3	175 484	SMT-8-PS-S-LED-24-B	
N/C contact									
	Insertable from above	PNP	3-wire	–	–	7.5	525 911	SMT-8F-PO-24V-K7,5-OE	

Ordering data – Proximity sensors for T-slot, magnetic reed						Technical data ➔ 1 / 10.2-18	
	Assembly	Electrical connection		Cable length [m]	Part No.	Type	
		Cable	Plug M8				
N/O contact							
	Insertable from above	3-wire	–	2.5	525 895	SME-8F-DS-24V-K2,5-OE	
				5.0	525 897	SME-8F-DS-24V-K5,0-OE	
		2-wire	–	2.5	525 907	SME-8F-ZS-24V-K2,5-OE	
				–	3-pin	0.3	525 896
	Insertable from end, flush with the cylinder profile	3-wire	–	2.5	150 855	SME-8-K-LED-24	
		–	3-pin	0.3	150 857	SME-8-S-LED-24	
N/C contact							
	Insertable from end, flush with the cylinder profile	3-wire	–	7.5	160 251	SME-8-O-K-LED-24	

Ordering data – Plug sockets with cable							Technical data➔ 1 / 10.2-114	
	Assembly	Switch output		Connection	Cable length [m]	Part No.	Type	
		PNP	NPN					
Straight socket								
	Union nut M8	■	■	3-pin	2.5	159 420	SIM-M8-3GD-2,5-PU	
					5	159 421	SIM-M8-3GD-5-PU	
	Union nut M12	■	■	3-pin	2.5	159 428	SIM-M12-3GD-2,5-PU	
					5	159 429	SIM-M12-3GD-5-PU	
Angled socket								
	Union nut M8	■	■	3-pin	2.5	159 422	SIM-M8-3WD-2,5-PU	
					5	159 423	SIM-M8-3WD-5-PU	
	Union nut M12	■	■	3-pin	2.5	159 430	SIM-M12-3WD-2,5-PU	
					5	159 431	SIM-M12-3WD-5-PU	

Ordering data – Slot cover for T-slot					
	Assembly	Length		Part No.	Type
	Insertable from above	2x 0.5 m		151 680	ABP-5-S