FESTO





Key features

Design

- With the CDC (Clean Design Compact) cylinder series, the ADN modular system has been expanded to include an easy to clean compact cylinder variant
- It is based on ISO 21287 for compact cylinders and, like the compact cylinder ADN, features short strokes and a compact design
- The compact cylinder CDC is designed as a double-acting pneumatic cylinder with piston, piston rod and profile barrel

Easy to clean

- Clean Design means smooth surfaces without slots and edges, which means fewer places where dirt can collect
- For hygiene reasons, the threads on the cylinder caps should be sealed with suitable blanking screws
- Resistant to conventional cleaning agents
- Increased corrosion protection

Easy to assemble

- Comprehensive range of mounting accessories for just about every type of installation
- Contactless position sensing via proximity sensors

Versatile

- The variants can be configured according to individual needs thanks to the modular product system
- Greater flexibility thanks to the wide range of variants

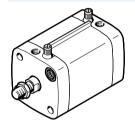
Variants

CDC-...

- Ø 20, 25 mm
- Without position sensing



- Ø 32 ... 80 mm
- With position sensing integrated in the end positions





- Ø 32 ... 80 mm
- With sensor mounting rail for external position sensing

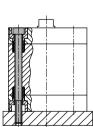


Note

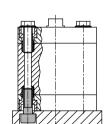
A combination of integrated and external position sensing is possible.



With through screws

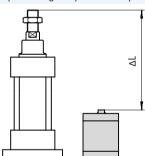


Direct mounting



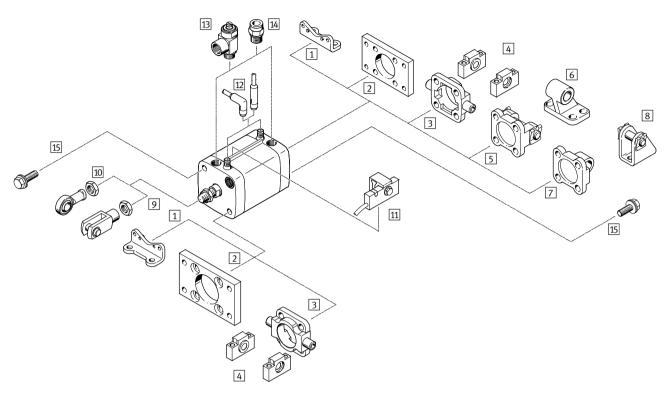
Size

Space savings of up to 50% compared with cylinders to standard ISO 15552



Compact cylinders CDC, ISO 21287, Clean Design Peripherals overview

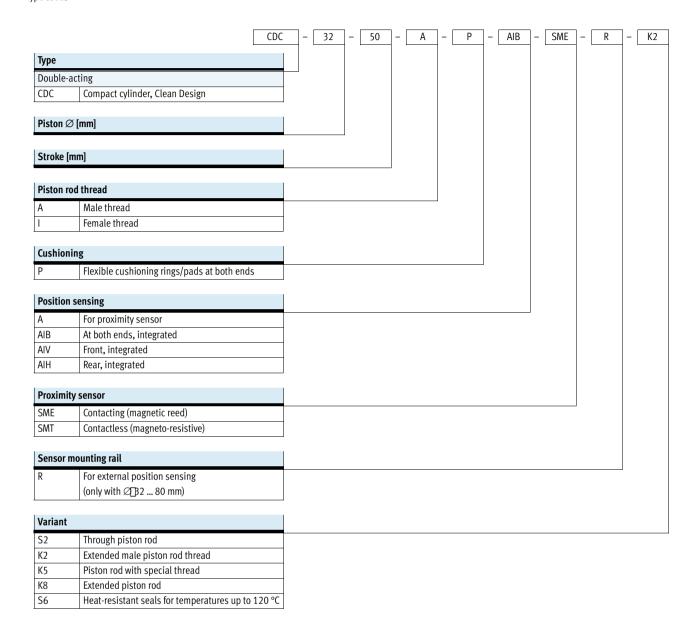




Mou	inting attachments and accessori	es	
		Description	→ Page/Internet
1	Foot mounting	For bearing and end cap	18
	HNAR3		
2	Flange mounting	For bearing or end cap	19
	CRFNG		
3	Trunnion flange	For bearing or end cap in combination with trunnion supports CRLNZG	20
	CRZNG		
4	Trunnion supports	For trunnion flange CRZNG	20
	CRLNZG		
5	Swivel flange	For end cap	21
	SNCBR3		
6	Clevis foot mounting	For swivel flange SNCBR3	21
	CRLNG		
7	Swivel flange	For end cap	22
	SNCLR3		
8	Clevis foot mounting	For swivel flange SNCLR3	22
	CRLBN		
9	Rod clevis	Permits a swivelling movement of the cylinder in one plane	25
	CRSG		
10	Rod eye	With spherical bearing	25
	CRSGS		
11	Proximity sensor	For attachment to the sensor mounting rail	23
	SMT-C1		
12	Cable with socket	For electrical signal transmission and power supply	23
	SIM-KCDN		
13	One-way flow control valve	For regulating speed	25
	CRGRLA		
14	Push-in fittings	For connecting compressed air tubing with standard external diameters	24
	NPQH/NPQH-L/CRQS/CRQSL		
15	Blanking screws	For covering unused mounting threads	25
	DAMD-P		

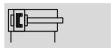


Type codes





Function





Stroke length 1 ... 500 mm

www.festo.com



















General technical data											
Piston Ø		20	25	32	40	50	63	80			
Pneumatic connection		M5	M5	G1/8	G1/8	G1/8	G1/8	G1/8			
Piston rod thread		M8	M8	M10x1.25	M10x1.25	M12x1.25	M12x1.25	M16x1.5			
Design		Piston		<u>.</u>							
		Piston rod									
		Cylinder barr	Cylinder barrel								
Cushioning		Flexible cushioning rings/pads at both ends									
Position sensing	А	For proximity sensor									
	AIB	At both ends, built-in									
	AIV	Front, built-in									
	AIH	Rear, built-in									
Type of mounting		Via through-hole									
		With female thread									
		Via accessories									
Mounting position		Any									

Κ8

S6

Operating and en	Operating and environmental conditions										
Piston \varnothing			20	25	32	40	50	63	80		
Operating mediur	n		Compressed	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]							
Note on operating	g/pilot me	dium	Operation wit	th lubricated med	dium possible	(in which case lubr	icated operation	will always be requ	uired)		
Operating		[bar]	0.8 10	0.8 10 0.6 10							
pressure	S2	[bar]	1.2 10		1 10		0.8 10				
	S6	[bar]	1 10	0.6 10	0.6 10						
Ambient		[°C]	-20 +80	-20 +80							
temperature ¹⁾	S6	[°C]	0 +120								
Food safe ²⁾			See supplem	See supplementary material information							
Corrosion resistar	nce class (CRC ³⁾	3	3							

¹⁾ Note operating range of proximity sensors

Additional information www.festo.com/sp → Certificates.

Corrosion resistance class CRC 3 to Festo standard FN 940070

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



Technical data

Forces [N] and impact energy [J]								
Piston ∅	Piston ∅		25	32	40	50	63	80
Theoretical force at 6 bar,		188	295	483	754	1178	1870	3016
advancing	S2	141	247	415	686	1057	1750	2827
Theoretical force at 6 bar,		141	247	415	686	1057	1750	2827
retracting								
Max. impact energy		0.2	0.3	0.4	0.7	1	1.3	1.8
at the end positions S6		0.1	0.15	0.2	0.35	0.5	0.65	0.9

Permissible impact velocity:

$$v_{perm.} = \sqrt{\frac{2 \times E_{perm.}}{m_{dead} + m_{load}}}$$

 V_{perm.}
 Permissible impact velocity

 E_{perm.}
 Max. impact energy

 m_{dead}
 Moving load (drive)

 m_{load}
 Moving work load

- **|**

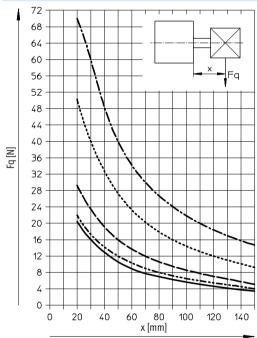
Note

These specifications represent the maximum values which can be reached. Note the maximum permitted impact energy.

 ${\it Maximum\ permissible\ load:}$

$$m_{load} = \frac{2 x E_{perm.}}{v^2} - m_{dead}$$

Max. lateral force Fq as a function of projection X



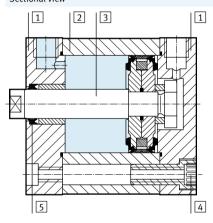
Ø 20Ø 25Ø 32/40Ø 50/63Ø 80



Weights [g]							
$Piston\varnothing$	20	25	32	40	50	63	80
Basic version							
Product weight with 0 mm stroke	133	170	277	377	567	790	1475
Additional weight per 10 mm stroke	20	23	31	35	52	59	84
			·	·	·		·
Moving load with 0 mm stroke	24	33	53	82	128	177	367
Additional load per 10 mm stroke	6	6	9	9	16	16	25
S2 – Through piston rod							
Product weight with 0 mm stroke	150	183	296	386	600	827	1507
Additional weight per 10 mm stroke	26	29	40	44	67	74	109
					•		
Moving load with 0 mm stroke	34	40	64	81	144	195	367
Additional load per 10 mm stroke	12	12	18	18	32	32	49

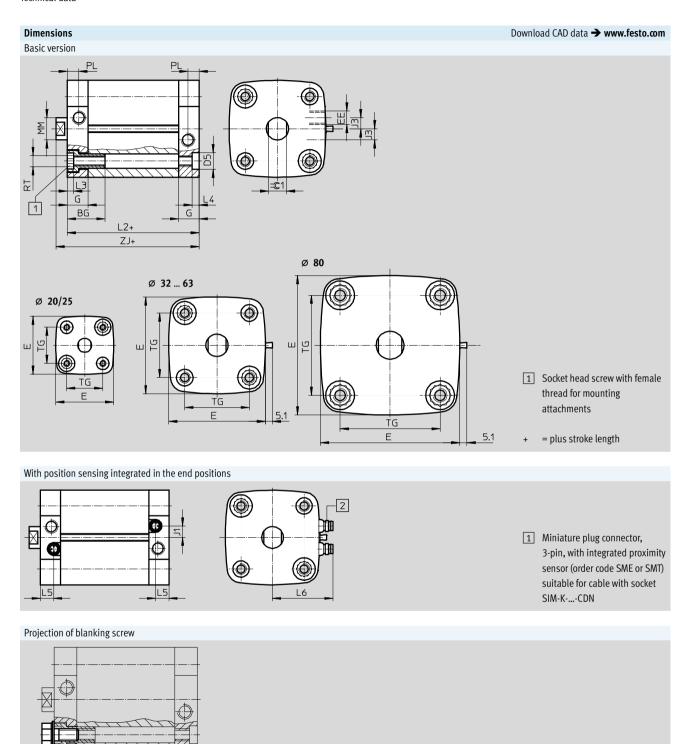
Materials

Sectional view



Comp	oact cylinder	Basic version	S6					
1	End cap	Anodised aluminium						
2	Cylinder barrel	Anodised aluminium						
3	Piston rod	High-alloy steel						
4	Flange screws	Corrosion-resistant steel						
-	Seals	TPE-U (PUR) media sealing (modified for resistance to	FPM					
		hydrolysis and cleaning agents)						
-	Note on materials	Free of copper and PTFE						
		-	Contains PWIS (paint-wetting impairment substances)					







Ø	BG	D5	E	EE	G	J1	J3	L2	L3	L4
[mm]		F9				±0.1	±0.1			
20	19.5		36.8	M5	12			37		
25	19.5	9	41.8	INIO	12	_	_	39		
32	- 26	9	49.8			5.8	7	44	4.4	E
40	20		57.8		15	8		45	4.4	5
50		12	69.7	G¹⁄8	15	8.5	8	40		
63	27	12	81.3			12	8	49		
80		-	100.4		16.5	15		54	8	_

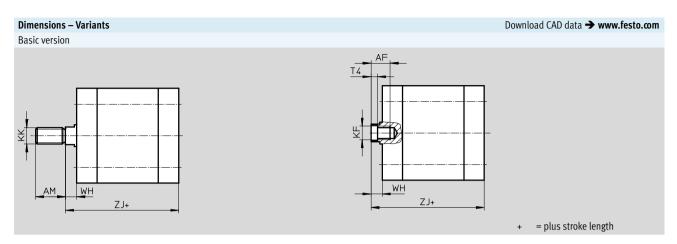
Ø	L5	L6	L7	MM Ø	PL	RT	TG	ZJ	=G1
[mm]		±2		h8	±0.1			+1	h13
20	_	_	7	10	6	M5	22	42.7	9
25		_	,	10	0	NI J	26	44.7	,
32		35	8.7	12		M6	32.5	50.2	10
40	10	39	0.7	12		IVIO	38	51.2	10
50	10	45	10.3	16	8.2	M8	46.5	53.2	13
63		50	10.5	10		IVIO	56.5	57.2	1)
80	11.5	60	11.9	20		M10	72	63	17

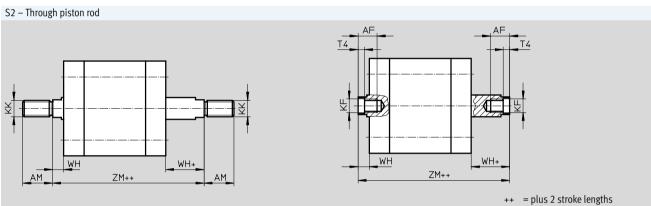
Note

The following maximum stroke lengths apply in combination with a swivel mounting on the end cap:

Ø	20	25	32	40	50	63	80
[mm]							
Max. stroke length	5()		10	0		150



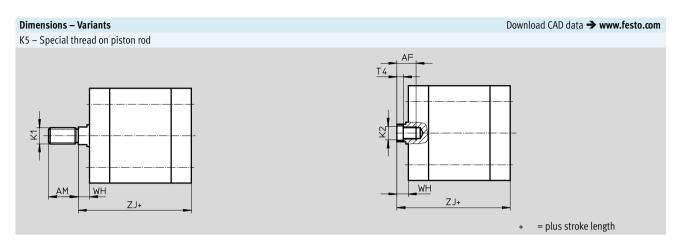


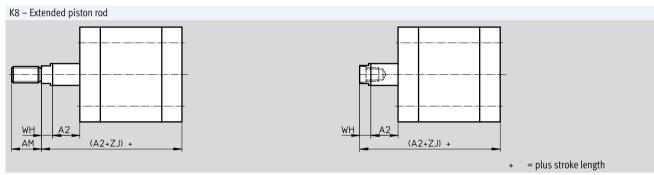




Ø	A1	AF	AM	KF	KK	T4	WH	ZJ	ZM
[mm]		min.	-0.5				+1	+1	
20		14	16	M6	M8	2.6	5.7	42.7	49.8
25		14	10	IVIO	IVIO	2.0	5.7	44.7	51.8
32	1 20	16	19	M8	M10x1.25	3.3	6.2	50.2	57.8
40	1 20	10	19	IVIO	WIOXI.23	5.5	0.2	51.2	58.9
50			22	M10	M12x1.25	4.7	8.2	53.2	63.1
63		20	22	WIO	WIIZXI.ZJ	4.7	0.2	57.2	66.9
80	1 30		28	M12	M16x1.5	6.1	9	63	73.5

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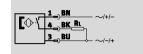


Ø	AF	A2	AM	K1	K2	T4	WH	ZJ
[mm]	min.		-0.5				+1	+1
20	14	1 300	16	M10, M10x1.25	M5	2.6	5.7	42.7
25	14	1 500	10	W10, W10X1.23	CINI	2.0	5.7	44.7
32	16		19	M10, M12	M6	3.3	6.2	50.2
40	10	1 400	19	W110, W112	IVIO).)	0.2	51.2
50		1 400	22	M12, M12	M8	4.7	8.2	53.2
63	20		22	10112, 10112	IVIO	4.7	0.2	57.2
80		1 500	28	M16, M20	M10	6.1	9	63



Proximity sensor, magnetic reed

(order code SME)





Note

The proximity sensor can only be ordered in conjunction with the order code AIB, AIV and AIH (integrated position sensing) in the modular product system.



Technical data							
General information							
Design		Integrated					
Based on standard		EN 60947-5-2					
CE mark (see declaration of conformi	ty)	To EU EMC Directive					
Note on materials		Free of copper and PTFE					
Input signal/measuring element		Turner 1					
Measuring principle		Magnetic reed					
Ambient temperature	[°C]	-20 +60					
Switching output							
Switching output		Contacting, bipolar					
Switching element function		N/O contact					
Reproducibility of switching point	[mm]	±0.1					
Hysteresis	[mm]	1 4, depending on the cylinder used					
Switch-on time	[ms]	0.5					
Switch-off time	[ms]	0.5					
Max. output current	[mA]	500					
Max. switching capacity AC	[W]	10 VA					
Max. switching capacity DC	[W]	10 W					
Inductive protective circuit		Adapted to MZ coil with LED					
Residual current	[mA]	0					
Output, further data							
Protection against short circuit		No					
Protection against overloading		No No					
Electronic components							
Operating voltage range	[V AC]	12 30					
	[V DC]	12 30					
Protection against polarity reversal		No					
Electromechanical components							
Electrical connection		Plug, M8x1, 3-pin					
Connection direction		Lateral					
Information on crimp connector mate	rials	Gold-plated brass					
mormation on crimp connector mate	παιο	outa piacca piacca					



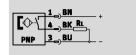
Technical data		
Mechanical components		
Tightening torque	[Nm]	0.3
Mounting position		Any
Product weight	[g]	2.7
Information on housing materials		Polyamide, epoxy resin, nickel-plated brass
Display/operation		
Switching status display		Yellow LED
Immissions/emissions		
Degree of protection		IP65, IP67 to EN 60529
		IP69K, to DIN 40050 Part 9
		Only in conjunction with plug socket with cable SIM-KCDN
Corrosion resistance class CRC ¹⁾		3

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



Proximity sensor, magneto-resistive (order code SMT)

14





Note

The proximity sensor can only be ordered in conjunction with the order code AIB, AIV and AIH (integrated position sensing) in the modular product system.



Technical data									
General information									
Design		Integrated							
Based on standard		EN 60947-5-2							
CE mark (see declaration of conformi	ty)	To EU EMC Directive							
Note on materials		Free of copper and PTFE							
Input signal/measuring element									
Measuring principle		Magneto-resistive							
Ambient temperature	[°C]	-20 +60							
Switching output									
		PNP							
Switching output									
Switching element function		N/O contact							
Reproducibility of switching point	[mm]	±0.1							
Hysteresis	[mm]	1 4, depending on the cylinder used							
Switch-on time	[ms]	0.5							
Switch-off time	[ms]	0.5							
Max. output current	[mA]	100							
Max. switching capacity DC	[W]	3							
Voltage drop	[V]	<2							
Inductive protective circuit		Adapted to MZ, MY, ME coils							
Residual current	[μΑ]	< 10							
Output, further data									
Protection against short circuit		Yes							
Protection against overloading		Yes							
		100							
Electronic components									
Operating voltage range	[V DC]	5 30							
Residual ripple	[%]	10							
Protection against polarity reversal		Yes							
Electromechanical components									
Electrical connection		Plug, M8x1, 3-pin							
Connection direction		Lateral							
Information on crimp connector mate	rials	Gold-plated brass							

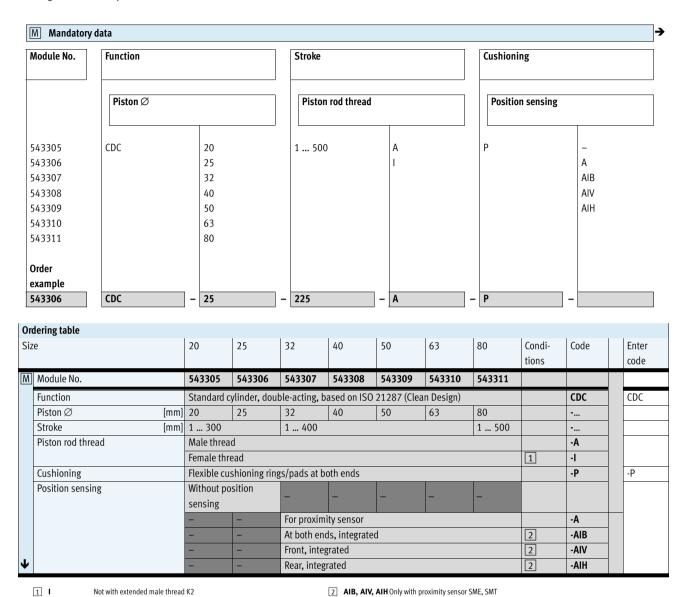


Technical data								
Mechanical components								
Tightening torque	[Nm]	0.3						
Mounting position		Any						
Product weight [g]		2.7						
Information on housing materials		Polyamide, epoxy resin, nickel-plated brass						
Display/operation								
Switching status display		Yellow LED						
Immissions/emissions								
Degree of protection		IP65, IP67 to EN 60529						
		IP69K, to DIN 40050 Part 9						
		Only in conjunction with plug socket with cable SIM-KCDN						
Corrosion resistance class CRC ¹⁾		3						

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



Ordering data – Modular products



Transfer order o	od						
		CDC	-	-	-	-	P

Compact cylinders CDC, ISO 21287, Clean Design Ordering data – Modular products



Proximity sensor	Type of piston rod	I	Special thread			Temperature re	esistance
Sensor mounting rail	Male thread ext	tended	Piston rod extended	Piston rod extended			
SME R SMT	S2	K2	""K5	K8		\$6	
-	- S2	- 20K2	- "M10"K5 -	75K8	_	S6	
1. 2							
dering table re	20 25	32 40	50 63	80	Condi- tions	Code	Enter code
Proximity sensor		SME (contacting)			3	-SME	
		SMT (contactless)			4	-SMT	
Sensor mounting rail		Sensor mounting rail f	or external position sens	ing	5	-R	
	Through piston rod					-S2	
	Extended male piston re	od thread		T			
	1 20	1	1	1 30		K2	
	M10x1.25	M10	M12	M16		-""K5	
'	M10	M12	M16	M20			
	M5	M6	M8	M10			
	Extended piston rod 1 300	1 400		1 500	6	K8	
	Heat-resistant seals for) °C	1 500	7	-S6	
·	AIV, AIH	5 R	Must be selected with size				

	Transfer order co	de							
-[-[-[-	-	-	-	-	

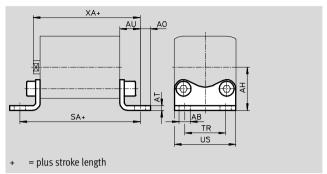
Compact cylinders CDC, ISO 21287, Clean Design Accessories



Foot mounting HNA-...-R3

Material: Steel with protective coating Free of copper and PTFE RoHS-compliant





Dimension	ns and ordering data						
For Ø	AB	AH	AO	AT	AU	SA	TR
	Ø						
[mm]	H14	JS14		±0.5	±0.2		±0.2
20		27	6.25			69	22
25	7	29	0.25	4	16	71	26
32		33.5	7			76	32
40		38	9		18	81	36
50	10	45	0	Г	21	87	45
63		50	8)	21	91	50
80	12	63	10.5	6	26	106	63

For Ø	US	XA	CRC ¹⁾	Weight	Part No.	Туре
[mm]	-0.5			[g]		
20	34.5	59	3	84	537254	HNA-20-R3
25	38.5	61	3	90	537255	HNA-25-R3
32	46	66	3	123	537256	HNA-32-R3
40	54	69	3	157	537257	HNA-40-R3
50	64	74	3	278	537258	HNA-50-R3
63	75	78	3	328	537259	HNA-63-R3
80	63	89	3	634	537260	HNA-80-R3

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



Screws with special lengths are required to fit the sizes \varnothing 80 mm

→ 25

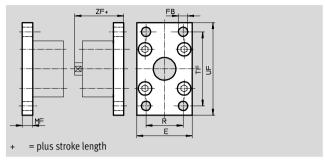


Accessories

Flange mounting CRFNG

Material: High-alloy steel Free of copper and PTFE





Dimension	Dimensions and ordering data												
For Ø	E	FB	MF	R	TF	UF							
		Ø											
[mm]		H13											
32	45	7	10	32	64	80							
40	54	9	10	36	72	90							
50	65	9	12	45	90	110							
63	75	9	12	50	100	120							

Dimension	s and ordering data			Dimensions and ordering data												
For Ø	ZF	CRC ¹⁾	Weight	Part No.	Туре											
[mm]			[g]													
32	54	4	220	161846	CRFNG-32											
40	55	4	291	161847	CRFNG-40											
50	57	4	526	161848	CRFNG-50											
63	61	4	680	161849	CRFNG-63											
80	70	4	1508	161850	CRFNG-80											

¹⁾ Corrosion resistance class CRC 4 to Festo standard FN 940070
Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (> also FN 940082) using appropriate media.



Note

Screws with special lengths are required to fit the sizes \varnothing 80 mm

→ 25

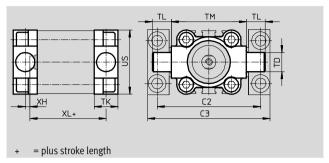


Accessorie

Trunnion flange CRZNG

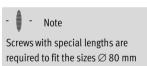
Material: CRZNG: Electrolytically polished special steel casting Free of copper and PTFE RoHS-compliant





Dimensio	imensions and ordering data														
For \varnothing	C2	C3	TD	TK	TL	TM	US	XH	XL	CRC ¹⁾	Weight	Part No.	Туре		
			Ø												
[mm]			e9												
32	71	86	12	16	12	50	45	2	52	4	150	161852	CRZNG-32		
40	87	105	16	20	16	63	54	4	55	4	285	161853	CRZNG-40		
50	99	117	16	24	16	75	64	4	57	4	473	161854	CRZNG-50		
63	116	136	20	24	20	90	75	4	61	4	687	161855	CRZNG-63		
80	136	156	20	28	20	110	93	5	81	4	1296	161856	CRZNG-80		

¹⁾ Corrosion resistance class CRC 4 to Festo standard FN 940070
Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (*) also FN 940082) using appropriate media.

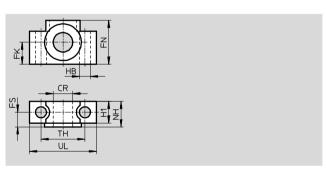


→ 25

Trunnion supports CRLNZG

Material: High-alloy steel Free of copper and PTFE RoHS-compliant





Dimension	Dimensions and ordering data												
For \varnothing	CR	FK	FN	FS	H1	НВ	NH	TH	UL	CRC ¹⁾	Weight	Part No.	Туре
	Ø	Ø				Ø							
[mm]	D11	±0.1				H13		±0.2			[g]		
32	12	15	30	10.5	15	6.6	18	32	46	4	205	161874	CRLNZG-32
40, 50	16	18	36	12	18	9	21	36	55	4	323	161875	CRLNZG-40/50
63,80	20	20	40	13	20	11	23	42	65	4	435	161876	CRLNZG-63/80

¹⁾ Corrosion resistance class CRC 4 to Festo standard FN 940070
Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (*) also FN 940082) using appropriate media.

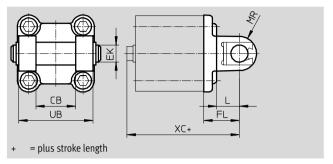


Accessories

Swivel flange SNCB-...-R3

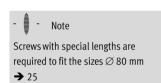
Material: Die-cast aluminium with protective coating, high corrosion protection Free of copper and PTFE RoHS-compliant





Dimension	ns and orderin	ng data									
For \varnothing	СВ	EK	FL	L	MR	UB	XC	CRC ¹⁾	Weight	Part No.	Туре
		Ø									
[mm]	H14	e8	±0.2			h14			[g]		
32	26	10	22	13	8.5	45	72	3	100	176944	SNCB-32-R3
40	28	12	25	16	12	52	76	3	151	176945	SNCB-40-R3
50	32	12	27	16	12	60	80	3	228	176946	SNCB-50-R3
63	40	16	32	21	16	70	89	3	371	176947	SNCB-63-R3
80	50	16	36	22	16	90	99	3	632	176948	SNCB-80-R3

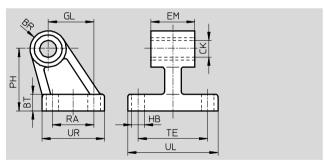
¹⁾ Corrosion resistance class CRC 3 to Festo standard FN 940070
High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional requirements for the surface and which are in direct contact with a normal industrial environment.



Clevis foot CRLNG

Material: High-alloy steel Free of copper and PTFE





Dimensio	Dimensions and ordering data														
For Ø	BR	BT	CK	EM	GL	НВ	PH	RA	TE	UL	UR	CRC ¹⁾	Weight	Part No.	Туре
			Ø			Ø									
[mm]			D11	-0.4		H13							[g]		
32	10	8	10	25.8	21	6.6	32	18	38	51	31	4	120	161840	CRLNG-32
40	11	10	12	27.8	24	6.6	36	22	41	54	35	4	161	161841	CRLNG-40
50	12	12	12	31.8	33	9	45	30	50	65	45	4	281	161842	CRLNG-50
63	15	12	16	39.8	37	9	50	35	52	67	50	4	370	161843	CRLNG-63
80	15	14	16	49.8	47	11	63	40	66	86	60	4	562	161844	CRLNG-80

¹⁾ Corrosion resistance class CRC 4 to Festo standard FN 940070
Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (**) also FN 940082) using appropriate media.

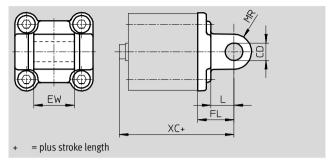
Compact cylinders CDC, ISO 21287, Clean Design Accessories



Swivel flange SNCL-...-R3

Material: SNCL-...-R3: Die-cast aluminium with protective coating Free of copper and PTFE RoHS-compliant





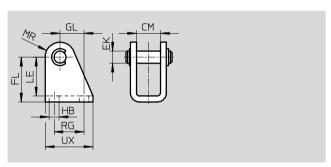
Dimension	Dimensions and ordering data												
For Ø	CD	EW	FL	L	MR	XC	CRC ¹⁾	Weight	Part No.	Туре			
	Ø												
[mm]	H9	h12	±0.2					[g]					
20	Q	16	20	14	Q	63	3	38	537796	SNCL-20-R3			
25	U	10	20	14	0	65	3	41	537797	SNCL-25-R3			

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

Clevis foot CRLBN, stainless steel

Material: High-alloy steel Free of copper and PTFE





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

¹⁾ Corrosion resistance class CRC 4 to Festo standard FN 940070
Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (→ also FN 940082) using appropriate media.

Compact cylinders CDC, ISO 21287, Clean Design Accessories



Ordering data – P	Proximity sensors for T-slot, magneto-	resistive				Technical data → Internet: smt
	Type of mounting	Switching output	Electrical connection	Cable length [m]	Part No.	Туре
N/O contact						
<u>~</u>	Is mounted on the mounting rail	PNP	Cable, 3-wire	5.0	571339	SMT-C1-PS-24V-K-5,0-OE
			Plug M8x1, 3-pin	0.3	571342	SMT-C1-PS-24V-K-0,3-M8D
			Plug M12x1, 3-pin	0.3	571341	SMT-C1-PS-24V-K-0,3-M12

Ordering data	a – Connecting cables for SMT-C1				Technical data → Internet: nebu
	Electrical connection, left	Electrical connection, right	Cable length [m]	Part No.	Туре
	Straight socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541333	NEBU-M8G3-K-2.5-LE3
SE TOPO TOPO TOPO TOPO TOPO TOPO TOPO TOP			5	541334	NEBU-M8G3-K-5-LE3
	Straight socket, M12x1, 5-pin	Cable, open end, 3-wire	2.5	541363	NEBU-M12G5-K-2.5-LE3
			5	541364	NEBU-M12G5-K-5-LE3
	Angled socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541338	NEBU-M8W3-K-2.5-LE3
			5	541341	NEBU-M8W3-K-5-LE3
	Angled socket, M12x1, 5-pin	Cable, open end, 3-wire	2.5	541367	NEBU-M12W5-K-2.5-LE3
			5	541370	NEBU-M12W5-K-5-LE3

Ordering data – C	onnecting cables for integrated proxin	nity sensor			Technical data → Internet: sim
	Electrical connection, left	Electrical connection, right	Cable length	Part No.	Туре
			[m]		
	Angled socket, clip, 3-pin	Cable, open end, 3-wire	5	525262	SIM-K-WD-5-CDN



Ordering data	- Push-in fittings					Technical data → Inte	ernet: qs
	Connection		Material	Weight [g]	Part No.	Туре	PU ³⁾
	Thread	Tubing O.D.					
Nith external	hex						
	M5	4	Brass, nickel-plated and	-	578334	NPQH-D-M5-Q4-P10	10
		6	chrome-plated	-	578335	NPQH-D-M5-Q6-P10	
-	G1/8	4		6.1	578338	NPQH-D-G18-Q4-P10	
		6		9	578339	NPQH-D-G18-Q6-P10	
		8		11.4	578340	NPQH-D-G18-Q8-P10	
	M5	4	Stainless steel	6	162860	CRQS-M5-4 ¹⁾	1
		6		8.4	162861	CRQS-M5-6 ¹⁾	
	R ¹ /8	6		9.9	162862	CRQS-1/8-6 ²⁾	
		8		12	162863	CRQS-1/8-8 ²⁾	
With internal h	тех						
	M5	4	Brass, nickel-plated and	4.6	578370	NPQH-DK-M5-Q4-P10	10
		6	chrome-plated	8.6	578371	NPQH-DK-M5-Q6-P10	
-	G1/8	4		-	578374	NPQH-DK-G18-Q4-P10	1
		6		-	578375	NPQH-DK-G18-Q6-P10	
		8		-	578376	NPQH-DK-G18-Q8-P10	

With sealing ring
 With PTFE coating
 Packaging unit quantity

Ordering data	a – Push-in L-fittin	gs				Technical data → Int	ernet: q
	Connection		Material	Weight [g]	Part No.	Туре	PU ³⁾
	Thread	Tubing O.D.					
With external	hex						
<i>∞</i> ~	M5	4	Brass, nickel-plated and	8.8	578276	NPQH-L-M5-Q4-P10	10
	G ¹ /8	6	chrome-plated	11.9	578277	NPQH-L-M5-Q6-P10	
_		4		15.7	578280	NPQH-L-G18-Q4-P10	
		6		18.5	578281	NPQH-L-G18-Q6-P10	
		8		22	578282	NPQH-L-G18-Q8-P10	
68PM	M5	4	Stainless steel	12	162870	CRQSL-M5-4 ¹⁾	1
		6		18	162871	CRQSL-M5-6 ¹⁾	
	R ¹ /8	6		19	162872	CRQSL-1/8-6 ²⁾	
		8		26	162873	CRQSL-1/8-8 ²⁾	

With sealing ring
 With PTFE coating
 Packaging unit quantity

Compact cylinders CDC, ISO 21287, Clean Design Accessories



Ordering data – F	Plastic tubing, standard O.D.	Technical data → Internet: tubing
		Туре
	Good resistance to chemicals and hydrolysis	PLN
6	Pneumatic tubing with resistance to high temperatures and chemicals	PFAN
	Approved for use in the food industry and hydrolysis-resistant	PUN-H

Ordering data -	One-way flow contro	ol valves			Tec	hnical data → Internet: crgrla
	Connection		Material	Weight [g]	Part No.	Туре
	Thread	For push-in fitting				
(B)	M5	CRQS/CRQSL/CRQST,	Electrolytically polished special	10,2	161403	CRGRLA-M5-B
	G ¹ / ₈	QS	steel casting	37,8	161404	CRGRLA-1/8-B

Ordering data – Blanking screws, corrosion-resistant									
	For Ø	Material	CRC ¹⁾	Weight [g]	Part No.	Туре	PU ³⁾		
	20, 25	High-alloy steel	3	5.5	543714	DAMD-P-M5-10-R1 ²⁾	4		
	32, 40			9	543715	DAMD-P-M6-12-R1 ²⁾			
	50, 63			17.5	543716	DAMD-P-M8-16-R1 ²⁾			
	80			30	543717	DAMD-P-M10-16-R1 ²⁾			

- 1) Corrosion resistance class CRC 3 to Festo standard FN 940070 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional requirements for the surface and which are in direct contact with a normal industrial
- environment.
 2) With sealing ring
 3) Packaging unit quantity

Ordering data - Corrosion and acid-resistant piston rod attachments					Technical data =			echnical data → Internet: crsg
Designation	For Ø	Part No.	Туре		Designation	For Ø	Part No.	Туре
Rod eye CRSGS				Rod clevis CRSG				
6	20, 25	195581	CRSGS-M8		6	20, 25	13568	CRSG-M8
	32, 40	195582	CRSGS-M10x1,25			32, 40	13569	CRSG-M10x1,25
	50, 63	195583	CRSGS-M12x1,25			50, 63	13570	CRSG-M12x1,25
	80	195584	CRSGS-M16x1,5			80	13571	CRSG-M16x1,5

Ordering data – Screws									
	For Ø	For accessories	Part No.		PU ¹⁾				
a	80	HNA-R3, SNCB-R3	372622	DIN912-M10X30-A4-70	1				
GUILLING		CRFNG	8028230	DIN912-M10X30-A4-70					
GLITTING		CRZNG	744814	DIN912-M10X40-A4-70					

¹⁾ Packaging unit quantity