

Compact cylinder CDC, to ISO 21287, clean design

FESTO



Key features

Design

- The cylinder series CDC (Clean Design Compact) provides an easy-to-clean, compact cylinder variant for the modular system ADN
- It is based on ISO 21287 for compact cylinders, and is characterised by short strokes and a compact design, just like compact cylinder ADN
- Space savings of up to 50% compared with standard ISO 15552
- 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 grooves and edges, making it difficult for dirt to accumulate
- For hygiene reasons, the threads on the cylinder caps should be sealed with suitable cover screws
- Resistant to conventional cleaning agents
- Increased corrosion protection

Easy to install

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

Flexible

- The variants can be configured according to individual needs using a modular product system
- Excellent flexibility thanks to a wide range of variants

Variants

CDC-...

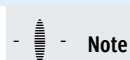
- Ø 20, 25 mm
- Without position sensing

CDC-...-A...-R

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

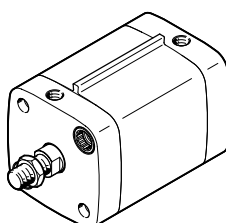
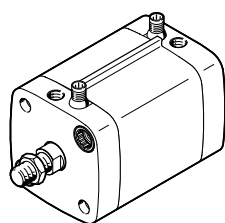
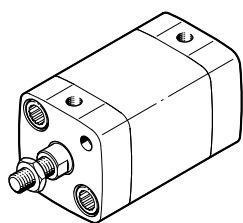
CDC-...-A-R

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



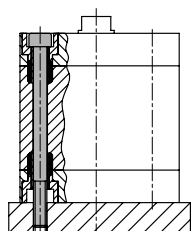
Note

A combination with both integrated and external position sensing is possible.

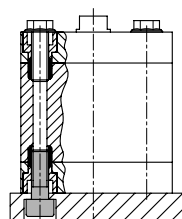


Mounting options

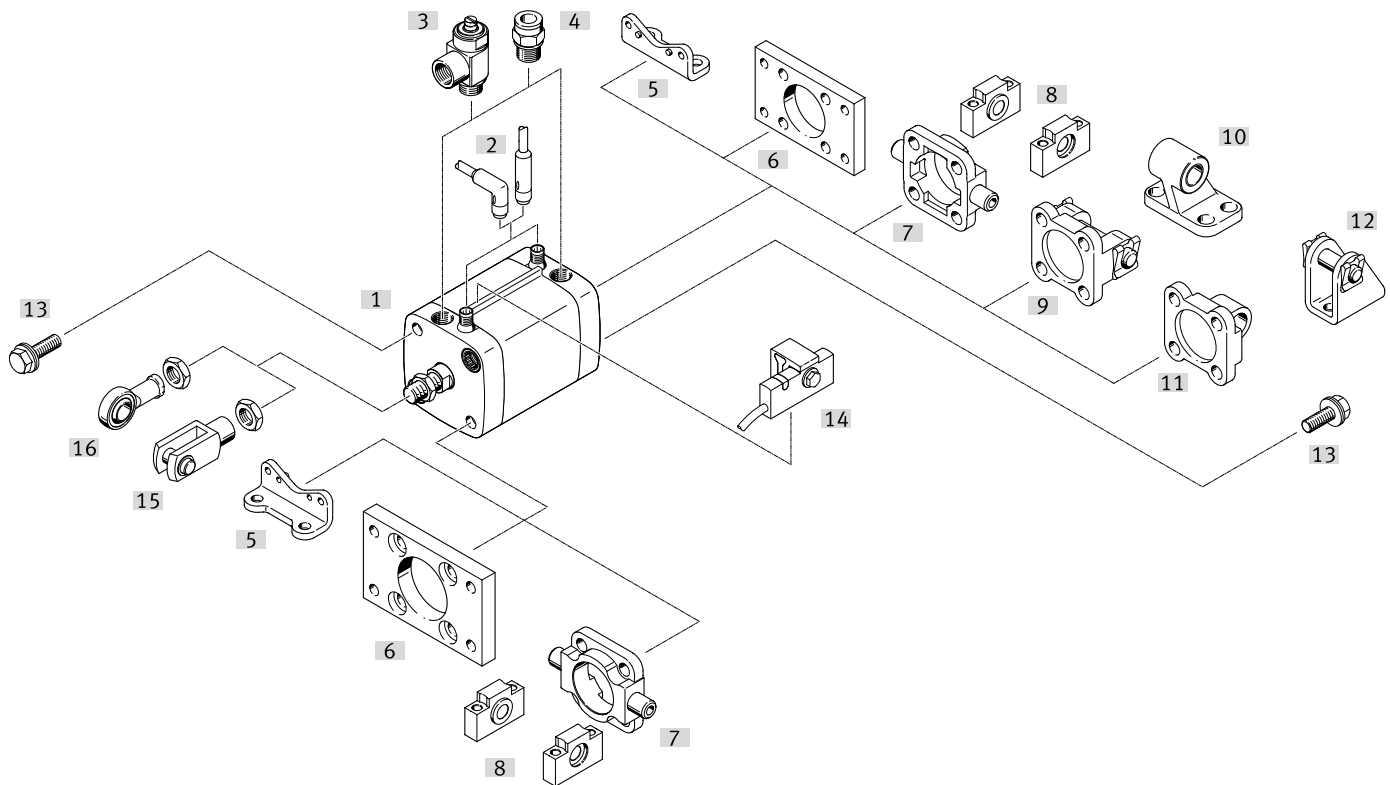
With through screws



Direct mounting



Peripherals overview



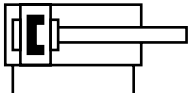
Mounting attachments and accessories		Description	→ Page/Internet
[1]	Compact cylinder CDC	Conforms to ISO 21287	
[2]	Connecting cable NEBA	For electrical signal transmission and power supply	21
[3]	One-way flow control valve CRGRLA	For regulating speed	23
[4]	Push-in fittings NPQH/NPQH-L/CRQS/CRQSL	For connecting tubing with standard O.D.	22
[5]	Foot mounting HNA-...-R3	For bearing and end caps	17
[6]	Flange mounting CRFNG	For bearing or end caps	17
[7]	Trunnion flange CRZNG	For bearing or end caps in combination with trunnion supports CRLNZG	18
[8]	Trunnion supports CRLNZG	For trunnion flange CRZNG	18
[9]	Swivel flange SNCB-...-R3	For end caps	19
[10]	Clevis foot CRLNG	For swivel flange SNCB-...-R3	19
[11]	Swivel flange SNCL-...-R3	For end caps	20
[12]	Clevis foot CRLBN	For swivel flange SNCL-...-R3	20
[13]	Cover screws DAMD-P-...	For covering unused mounting threads	23
[14]	Proximity switch SMT-C1	For mounting on the sensor mounting rail	21
[15]	Rod clevis CRSG	Permits a swivelling movement of the cylinder in one plane	23
[16]	Rod eye CRSGS	With spherical bearing	23

Type codes

001	Series	
CDC	Standards-based cylinder, double-acting, based on ISO 21287, clean design	
002	Piston diameter	
20	20	
25	25	
32	32	
40	40	
50	50	
63	63	
80	80	
003	Stroke	
...	1 ... 500	
004	Piston rod thread type	
A	Male thread	
I	Female thread	
005	Cushioning	
P	Elastic cushioning rings/plates on both sides	
006	Position sensing	
	None	
A	For proximity sensor	
AIB	At both ends, integrated	
AIH	Rear, integrated	
AIV	Front, integrated	
007		
	None	
SME	SME (contacting)	

008		
	None	
R	Sensor mounting rail for external position sensing	
009	Piston rod type	
	At one end	
S2	Through piston rod	
010		
	None	
...K2	1...30 mm	
011		
"M6"K5	M6	
"M8"K5	M8	
"M10"K5	M10	
"M10x1,25"K5	M10x1.25	
"M12"K5	M12	
"M16"K5	M16	
"M5"K5	M5	
"M20"K5	M20	
012		
	None	
...K8	1...500 mm	
013		
	Standard	
S6	Heat-resistant seals max. 120 °C	

Datasheet



– Ø – Diameter

20 ... 80 mm

– | – Stroke length

1 ... 500 mm

– T – www.festo.com



CDC...-A-P



CDC...-A-P-R

General technical data		20	25	32	40	50	63	80
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						
		Piston rod						
		Cylinder barrel						
Cushioning		Elastic cushioning rings/plates at both ends						
Position sensing	A	–		Via proximity switch				
	AlB	–		At both ends, integrated				
	AlV	–		Front, integrated				
	AlH	–		Rear, integrated				
Type of mounting		With through-hole						
		With female thread						
		With accessories						
Mounting position		Any						

Operating and environmental conditions								
Piston Ø		20	25	32	40	50	63	80
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	[bar]	0.8 ... 10			0.6 ... 10			
	S2 [bar]	1.2 ... 10			1 ... 10			0.8 ... 10
	S6 [bar]	1 ... 10	0.6 ... 10					
Ambient temperature ¹⁾	[°C]	-20 ... +80						
	S6 [°C]	0 ... +120						
Food-safe ²⁾		→ Supplementary material information						
CE marking (see declaration of conformity)		To EU EMC Directive						
UKCA marking (see declaration of conformity)		To UK EMC regulations						
Corrosion resistance class CRC ³⁾		3						

1) Note operating range of proximity switches.

2) More information www.festo.com/sp → Certificates.

3) More information www.festo.com/x/topic/crc

Datasheet

Forces [N] and impact energy [J]								
Piston Ø		20	25	32	40	50	63	80
Theoretical force at 6 bar, advancing		188	295	483	754	1178	1870	3016
	S2	141	247	415	686	1057	1750	2827
Theoretical force at 6 bar, retracting		141	247	415	686	1057	1750	2827
Max. impact energy in the end positions		0.2	0.3	0.4	0.7	1	1.3	1.8
	S6	0.1	0.15	0.2	0.35	0.5	0.65	0.9

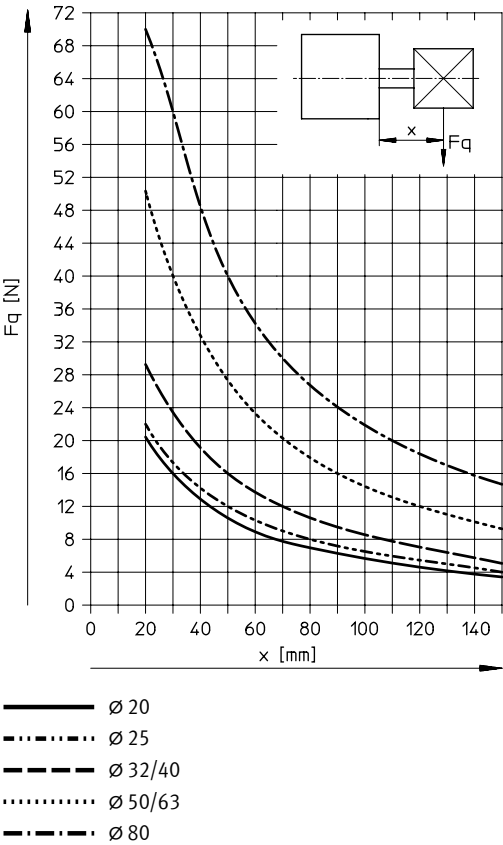
Permissible impact velocity: $V = \sqrt{\frac{2 \times E}{m_1 + m_2}}$

Maximum permissible mass: $m_2 = \frac{2 \times E}{v^2} - m_1$

- V Permissible impact velocity
- E Max. impact energy
- m1 Moving mass (drive)
- m2 Moving payload

Note
These specifications represent the maximum values that can be achieved. The maximum permissible impact energy must be observed.

Max. lateral force Fq as a function of projection x

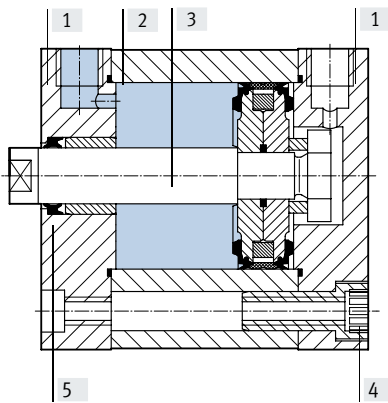


Datasheet

Weight [g]							
Piston Ø	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 mass with 0 mm stroke	24	33	53	82	128	177	367
Additional mass 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 mass with 0 mm stroke	34	40	64	81	144	195	367
Additional mass per 10 mm stroke	12	12	18	18	32	32	49

Materials

Sectional view

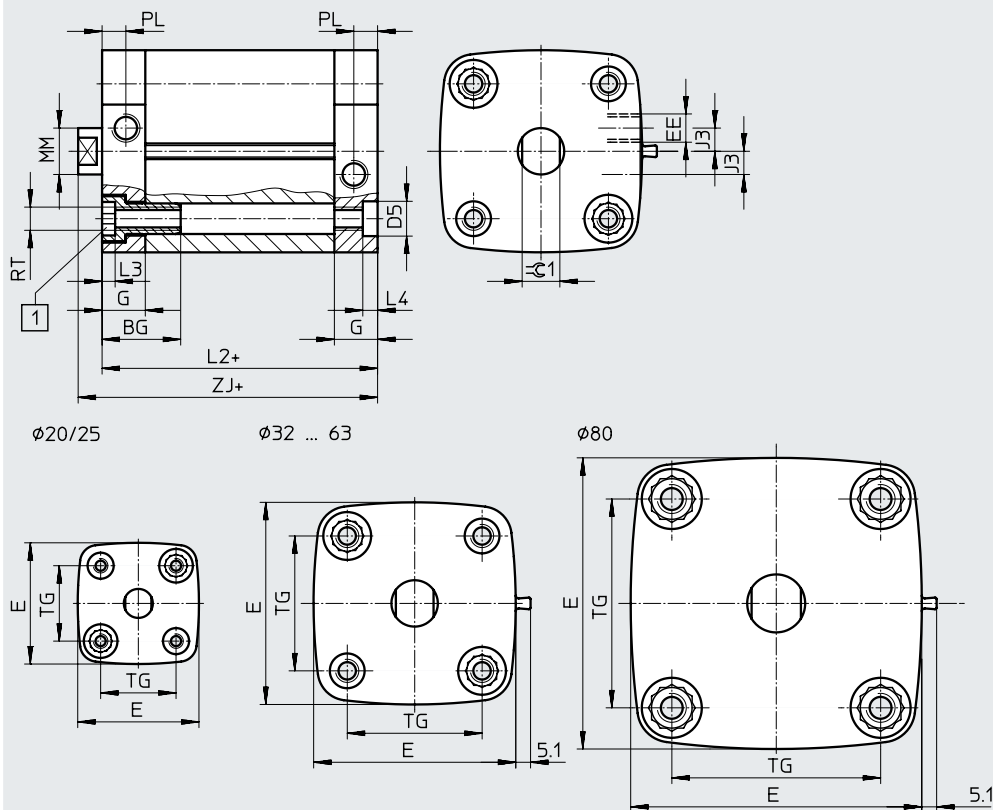


Compact cylinder	Basic version	S6
[1] Cover	Anodised aluminium	
[2] Cylinder barrel	Anodised aluminium	
[3] Piston rod	High-alloy steel	
[4] Flange screws	Corrosion-resistant steel	
[5] Seals	NBR, TPE-U (PUR) media seal (modified for resistance to hydrolysis and cleaning)	FPM
– LABS (PWIS) conformity	VDMA24364-B2-L	VDMA24364 zone III

Datasheet

Dimensions Download CAD data → www.festo.com

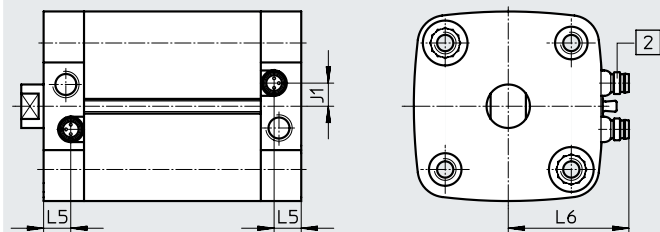
Basic version



[1] Socket head screw with female thread for mounting components

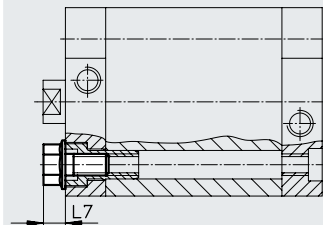
+ = plus stroke length

With position sensing integrated in the end positions



[2] Mini plug connector, 3-pin, with integrated proximity switch (order code SME), suitable for connecting cable NEBA-M8CW3-...

Projection of the cover screw



Datasheet

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

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

 Note

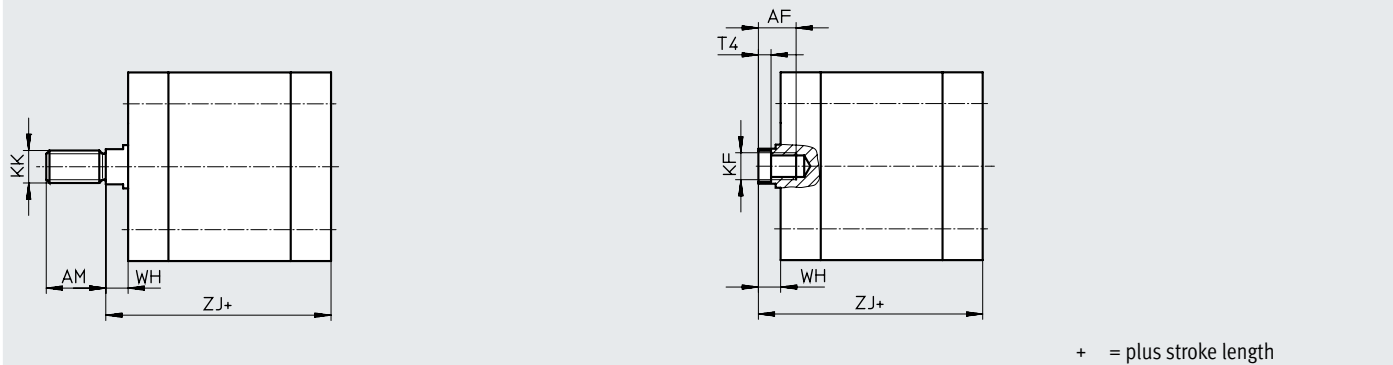
If used with a swivel mounting on the end cap, the following maximum stroke lengths should be noted:

∅ [mm]	20	25	32	40	50	63	80
Max. stroke length	50		100				150

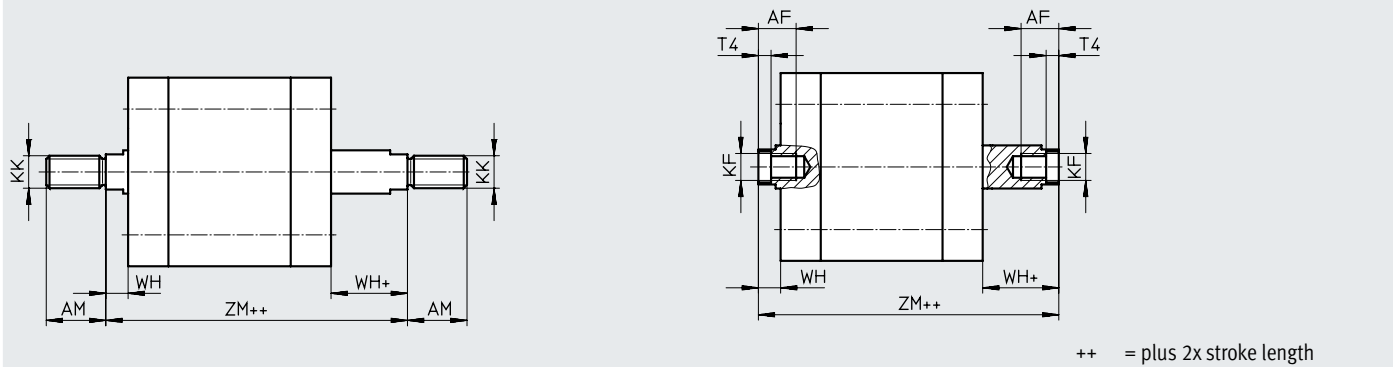
Datasheet

Dimensions – Variants Download CAD data → www.festo.com

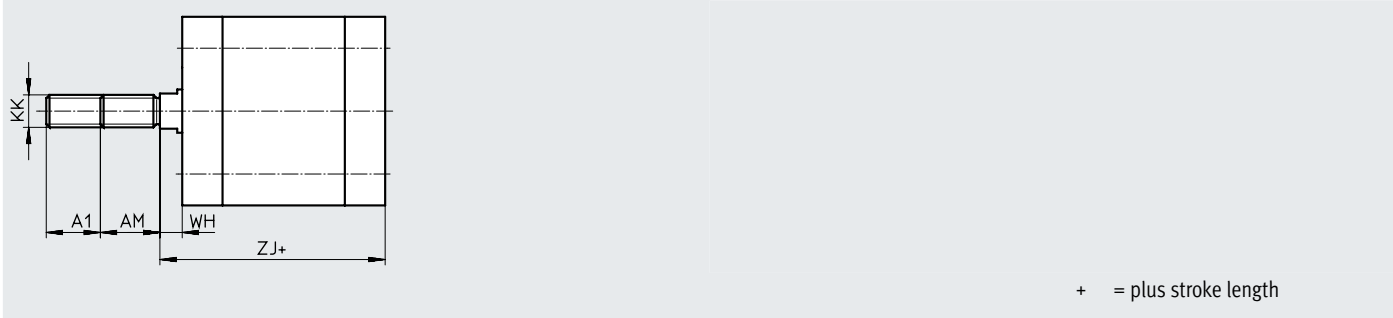
Basic version



S2 – Through piston rod



K2 – Extended male piston rod thread



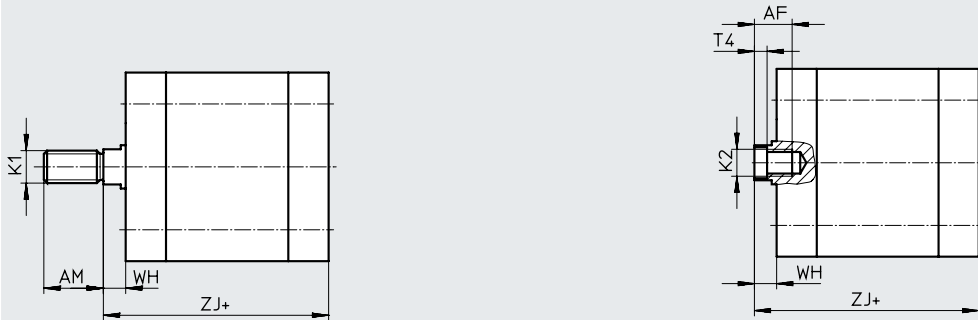
∅	A1	AF	AM	KF	KK	T4	WH	ZJ	ZM
[mm]		min.	−0.5				+1	+1	
20	1 ... 20	14	16	M6	M8	2.6	5.7	42.7	49.8
25								44.7	51.8
32		16	19	M8	M10x1.25	3.3	6.2	50.2	57.8
40								51.2	58.9
50		20	22	M10	M12x1.25	4.7	8.2	53.2	63.1
63								57.2	66.9
80	1 ... 30		28	M12	M16x1.5	6.1	9	63	73.5

Datasheet

Dimensions – Variants

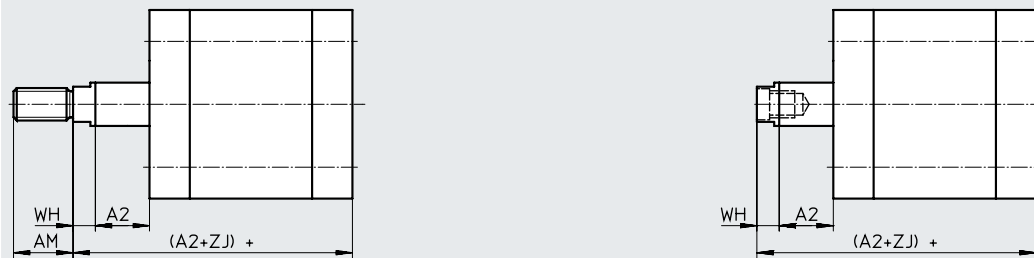
Download CAD data → www.festo.com

K5 – Special piston rod thread



+ = plus stroke length

K8 – Extended piston rod

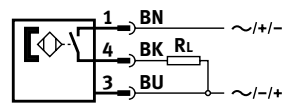


+ plus stroke length

∅	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								44.7
32	16	1 ... 400	19	M10, M12	M6	3.3	6.2	50.2
40								51.2
50	20		22	M12, M12	M8	4.7	8.2	53.2
63								57.2
80			1 ... 500	28	M16, M20	M10	6.1	9

Datasheet

Proximity switch
Magnetic reed
(order code SME)



 **Note**
The proximity switch can only be ordered using the order code AIB, AIV and AIH (integrated position sensing) via the modular product system.



Technical data		
General		
Design		Built in
Based on standard		EN 60947-5-2
CE marking (see declaration of conformity)		To EU EMC Directive
Input signal/measuring element		
Measuring principle		Magnetic reed
Ambient temperature	[°C]	−20 ... +60
Switching output		
Switching output		Contacting, bipolar
Switching element function		N/O
Reproducibility of switching value	[mm]	±0.1
Hysteresis	[mm]	1 ... 4 depending on the cylinder
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, additional data		
Short circuit current rating		No
Overload protection		No
Electronics		
Operating voltage range	[V AC]	12 ... 30
	[V DC]	12 ... 30
Reverse polarity protection		No
Electromechanics		
Electrical connection		Plug, M8x1, 3-pin
outlet direction of connection		Lateral
Information on pin contact materials		Gold-plated brass

Datasheet

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 indication		Yellow LED
Immission/Emission		
Degree of protection		IP65, IP67, to EN 60529
		IP69K, to DIN 40050 part 9
		Only in combination with connecting cable NEBA-M8CW3-...
Corrosion resistance class CRC ¹⁾		3

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

Ordering data – Modular product system

Ordering table										
Size	20	25	32	40	50	63	80	Conditions	Code	Enter code
Module no.	543305	543306	543307	543308	543309	543310	543311			
Function	Standards-based cylinder, double-acting, based on ISO 21287 (clean design)								CDC	CDC
Piston Ø [mm]	20	25	32	40	50	63	80		-...	
Stroke [mm]	1 ... 300		1 ... 400				1 ... 500		-...	
Piston rod thread	Male thread								-A	
	Female thread							[1]	-I	
Cushioning	Elastic cushioning rings/plates at both ends								-P	-P
Position sensing	Without position sensing		–	–	–	–	–			
	–	–	Via proximity switch						-A	
	–	–	At both ends, integrated					[2]	-AIB	
	–	–	Front, integrated					[2]	-AIV	
	–	–	Rear, integrated					[2]	-AIH	

[1] I Not with extended male thread K2

[2] AIB, AIV, AIH Only with proximity switch SME

Ordering data – Modular product system

Ordering table											
		20	25	32	40	50	63	80	Conditions	Code	Enter code
Proximity switch		–	–	SME (contacting)					[3]	-SME	
Sensor mounting rail		–	–	Sensor mounting rail for external position sensing					[4]	-R	
Piston rod type		Through piston rod								-S2	
Extended male thread		Extended male piston rod thread									
[mm]		1 ... 20					1 ... 30			-...K2	
Special piston rod thread	Male thread	M10x1.25		M10		M12		M16		-“...”K5	
		M10		M12		M16		M20			
	Female thread	M5		M6		M8		M10			
Extended piston rod		Extended piston rod									
[mm]		1 ... 300		1 ... 400			1 ... 500		[5]	-...K8	
Temperature resistance		Heat-resistant seals max. 120 °C							[6]	-S6	

[3] SME Only with position sensing AIB, AIV, AIH.
Minimum stroke 15 mm

[4] R Must be selected for size 32, 40, 50, 63, 80

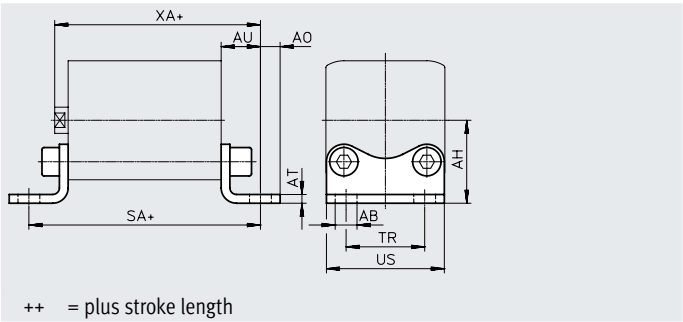
[5] K8 The sum of the stroke length and piston rod extension must not exceed the maximum permissible stroke length

[6] S6 Not with position sensing AIB, AIV, AIH

Accessories

Foot mounting HNA-...-R3

Material:
Steel with protective coating
RoHS-compliant



Dimensions and ordering data

For $\varnothing$	AB	AH	AO	AT	AU	SA	TR
$\varnothing$	$\varnothing$						
[mm]	H14	JS14		± 0.5	± 0.2		± 0.2
20	7	27	6.25	4	16	69	22
25		29				71	26
32		33.5				76	32
40	10	38	9	5	18	81	36
50		45	8		21	87	45
63		50				91	50
80	12	63	10.5	6	26	106	63

For $\varnothing$	US	XA	CRC ¹⁾	Weight	Part no.	Type
[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	93	89	3	634	537260	HNA-80-R3

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

 **Note**

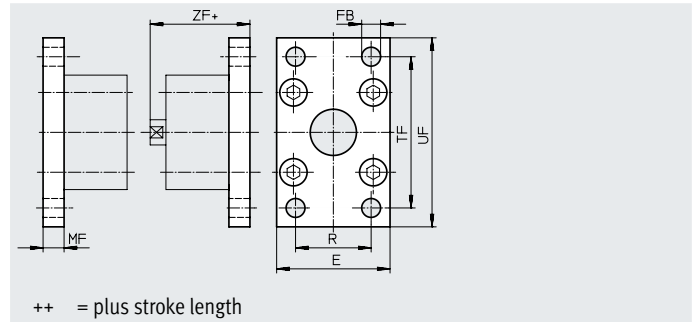
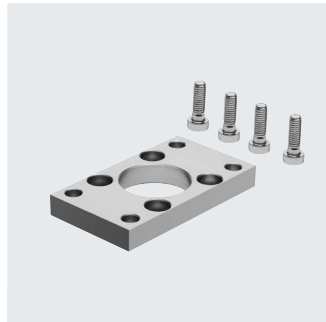
Screws with a special length are required for mounting diameter 80 mm

→ page 23

Accessories

Flange mounting CRFNG

Material:
High-alloy steel



Dimensions and ordering data						
For Ø [mm]	E	FB Ø H13	MF	R	TF	UF
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
80	93	12	16	63	126	150

For Ø [mm]	ZF	CRC ¹⁾	Weight [g]	Part no.	Type
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) More information www.festo.com/x/topic/crc

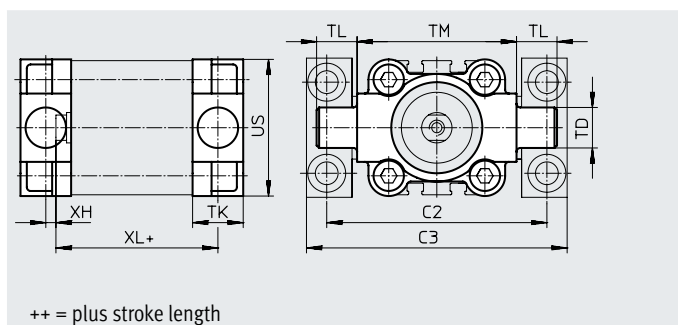
Note

Screws with a special length are required
for mounting diameter 80 mm
→ page 23

Accessories

Trunnion flange CRZNG

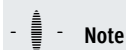
Material:
CRZNG: Electropolished
stainless steel casting
RoHS-compliant



Dimensions and ordering data

For $\varnothing$ [mm]	C2)	C3)	TD $\varnothing$ e9	TK	TL	TM	US	XH	XL	CRC ¹⁾	Weight [g]	Part no.	Type
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) More information www.festo.com/x/topic/crc

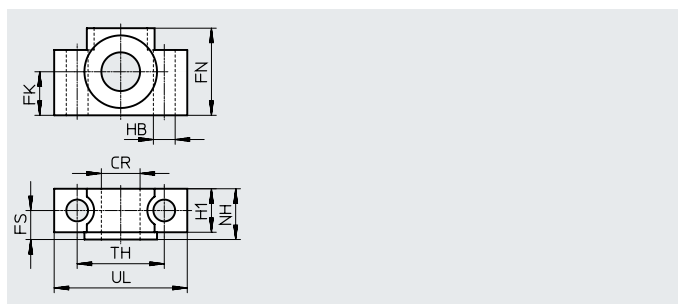
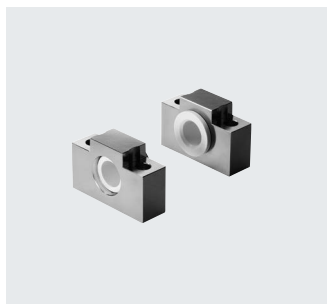


Note

Screws with a special length are required
for mounting diameter 80 mm
→ page 23

Trunnion supports CRLNZG

Material:
High-alloy steel
RoHS-compliant



Dimensions and ordering data

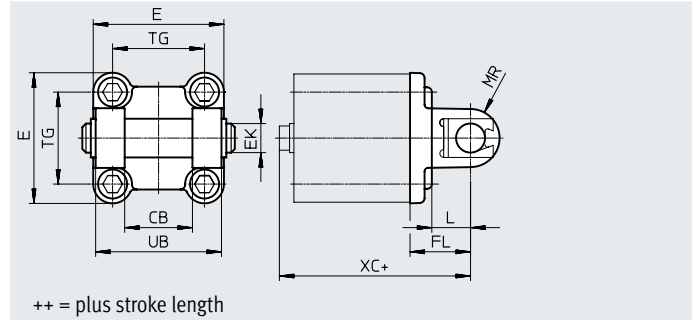
For $\varnothing$ [mm]	CR $\varnothing$ D11	FK $\varnothing$ ± 0.1	FN	FS	H1	HB $\varnothing$ H13	NH	TH ± 0.2	UL	CRC ¹⁾	Weight [g]	Part no.	Type
32	12	15	30	10.5	15	6.6	18	32	46	4	205	161874	CRLNZG-32
40, 50	16	18	36	12	18	9	21	36	55	4	323	161875	CRLNZG-40/50
63, 80	20	20	40	13	20	11	23	42	65	4	435	161876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

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

Accessories

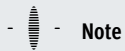
Swivel flange SNCB-...-R3

Material:
Die-cast aluminium with protective
coating, high corrosion protection
RoHS-compliant



Dimensions and ordering data											
For $\varnothing$	CB	EK $\varnothing$	FL	L	MR	UB	XC	CRC ¹⁾	Weight	Part no.	Type
[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) More information www.festo.com/x/topic/crc

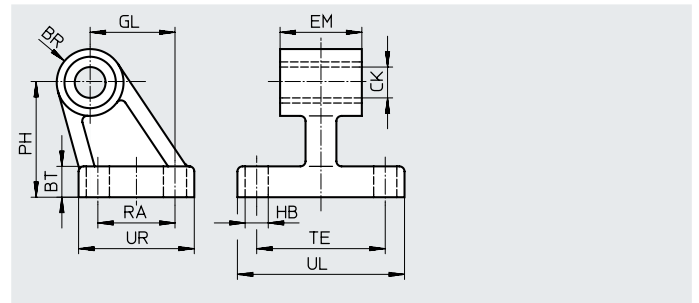


Note

Screws with a special length are re-
quired for mounting diameter 80 mm
→ page 23

Clevis foot CRLNG

Material:
High-alloy steel



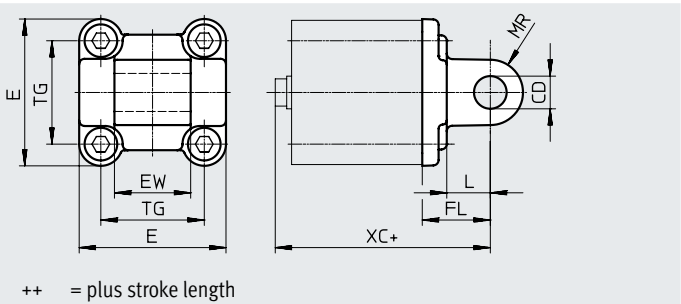
Dimensions and ordering data															
For $\varnothing$	BR	BT	CK $\varnothing$	EM	GL	HB $\varnothing$	PH	RA	TE	UL	UR	CRC ¹⁾	Weight	Part no.	Type
[mm]			D11	−0.4		H13							[g]		
32	10	8	10	25.8	21	6.6	32	18	38	51	31	4	133	161840	CRLNG-32
40	11	10	12	27.8	24	6.6	36	22	41	54	35	4	161	161841	CRLNG-40
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) More information www.festo.com/x/topic/crc

Accessories

Swivel flange SNCL-...-R3

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

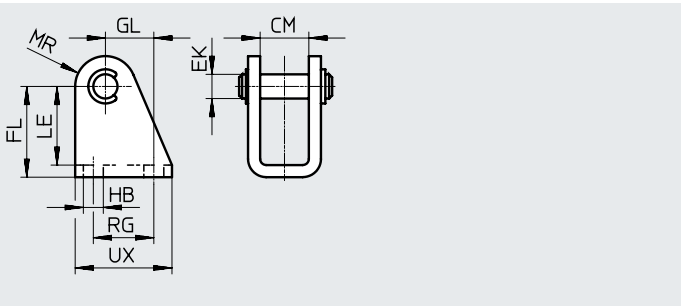
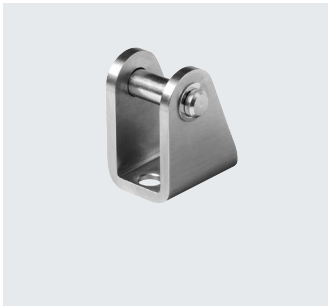


Dimensions and ordering data											
For ø	CD ø	EW	FL	L	MR	XC	CRC ¹⁾	Weight	Part no.	Type	
[mm]	H9	h12	±0.2					[g]			
20	8	16	20	14	8	63	3	38	537796	SNCL-20-R3	
25						65	3	41	537797	SNCL-25-R3	

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

Clevis foot CRLBN, stainless steel

Material:
High-alloy steel



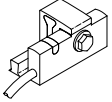
Dimensions and ordering data													
For ø	CM	EK ø	FL	GL	HB	LE	MR	RG	UX	CRC ¹⁾	Weight	Part no.	Type
[mm]											[g]		
2 0/25	16.1	8	30 +0.4/-0.2	16	6.6	26	10	20	32	4	82	161863	CRLBN-2 0/25

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

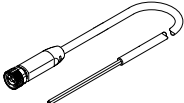
Accessories

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

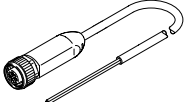
Datasheets → Internet: smt

	Type of mounting	Switching output	Electrical connection	Cable length [m]	Part no.	Type
N/O						
	Fitted on the mounting rail	PNP	Cable, 3-core	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

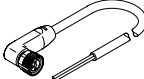
Connecting cables NEBA, straight, M8 connection

	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

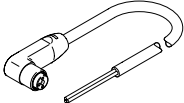
Connecting cables NEBA, straight, M12 connection

	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

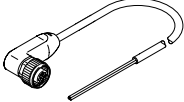
Connecting cables NEBA, angled, M8 connection

	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

Connection cables NEBA, angled, M8 connection – for integrated proximity switches

	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Type
	Diameter 8 mm, A-coded according to EN 61076-2-104	Open end	3	5 m	8078267	NEBA-M8CW3-U-5-N-LE3

Connecting cables NEBA, angled, M12 connection

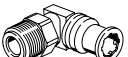
	Electrical connection 1, connection technology	Electrical connection 2, connection technology	Electrical connection 2, number of pins/cores	Cable length	Part no.	Type
	M12x1, A-coded to EN 61076-2-101	Open end	3	2.5 m	8078245	NEBA-M12W5-U-2.5-N-LE3
				5 m	8078246	NEBA-M12W5-U-5-N-LE3

Accessories

Ordering data – Push-in fittings						Datasheets → Internet: qs	
	Connection		Material	Weight [g]	Part no.	Type	PU ²⁾
	Thread	Tubing O.D.					
With external hex							
	M5	4	Nickel-plated brass, with sealing ring	–	578334	NPQH-D-M5-Q4-P10	10
		6		–	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⁾	
	R1/8	6		9.9	162862	CRQS-1/8-6	
		8		12	162863	CRQS-1/8-8	
		With internal hex					
	M5	4	Nickel-plated brass, with sealing ring	4.6	578370	NPQH-DK-M5-Q4-P10	10
		6		8.6	578371	NPQH-DK-M5-Q6-P10	
	G1/8	4		–	578374	NPQH-DK-G18-Q4-P10	
		6		–	578375	NPQH-DK-G18-Q6-P10	
		8		–	578376	NPQH-DK-G18-Q8-P10	

1) With sealing ring

2) Packaging unit

Ordering data – Push-in L-fittings						Datasheets → Internet: qs	
	Connection		Material	Weight [g]	Part no.	Type	PU ²⁾
	Thread	Tubing O.D.					
With external hex							
	M5	4	Nickel-plated brass, with sealing ring	8.8	578276	NPQH-L-M5-Q4-P10	10
		6		11.9	578277	NPQH-L-M5-Q6-P10	
	G1/8	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	
	M5	4	Stainless steel	12	162870	CRQSL-M5-4 ¹⁾	1
		6		18	162871	CRQSL-M5-6 ¹⁾	
	R1/8	6		19	162872	CRQSL-1/8-6	
		8		26	162873	CRQSL-1/8-8	

1) With sealing ring

2) Packaging unit

Accessories

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

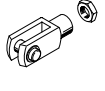
Ordering data – One-way flow control valves					Datasheets → Internet: crgla
	Connection	For push-in fitting	Material	Weight	Part no. Type
	Thread			[g]	
	M5	CRQS/CRQSL/CRQST, QS	Electropolished stainless steel casting	10.2	161403 CRGLA-M5-B
	G1/8			37.8	161404 CRGLA-1/8-B

Ordering data – Cover screws, corrosion-resistant							
	For ø	Material	CRC ¹⁾	Weight	Part no.	Type	PU ³⁾
				[g]			
	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) More information www.festo.com/x/topic/crc

2) With sealing ring

3) Packaging unit

Ordering data – Corrosion and acid-resistant piston rod attachments				Datasheets → Internet: crsg			
Designation	For ø	Part no.	Type	Designation	For ø	Part no.	Type
Rod eye CRSGS				Rod clevis CRSG			
	20, 25	195581	CRSGS-M8		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⁾
	80	HNA-R3, SNCB-R3	372622	DIN 912-M10X30-A4-70	1
		CRFNG	8028230	DIN 6912-M10X30-A4-70	
		CRZNG	744814	DIN 912-M10X40-A4-70	

1) Packaging unit