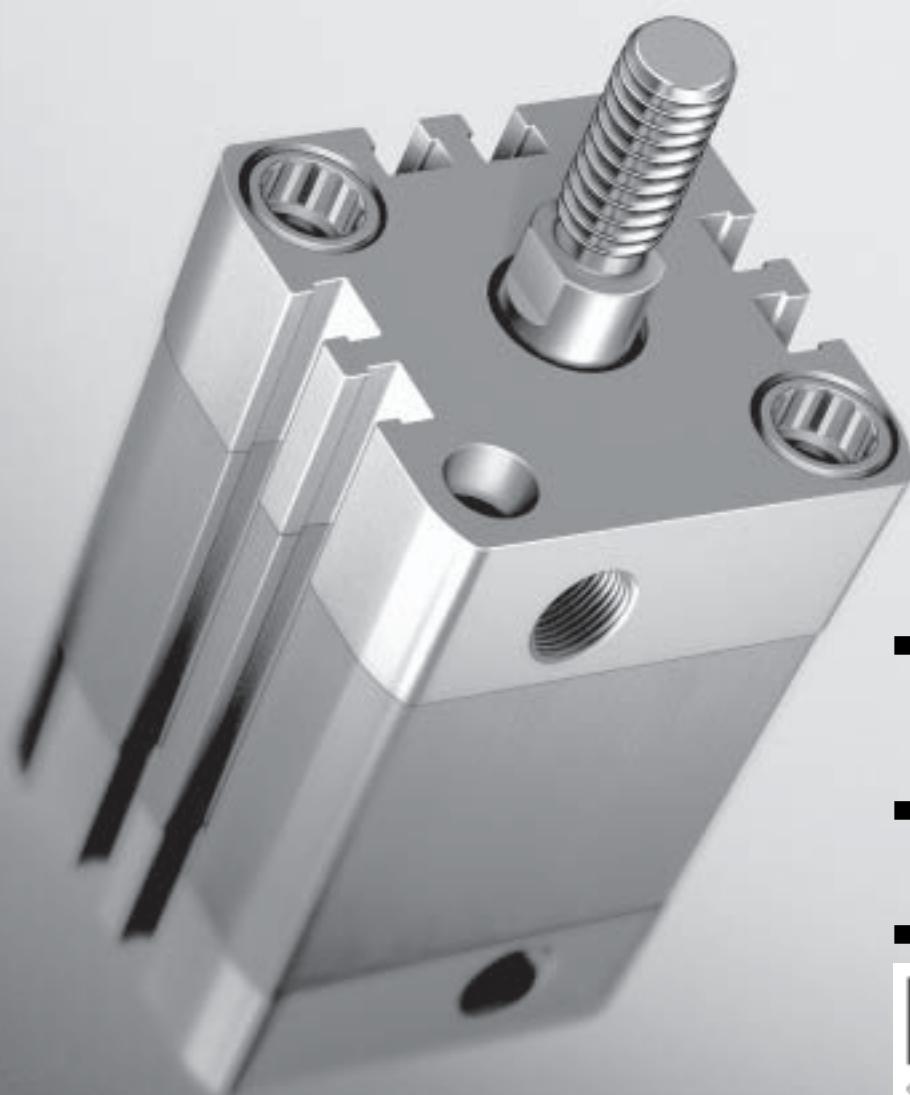


Standard cylinders ADN/AEN, ISO 21 287

FESTO



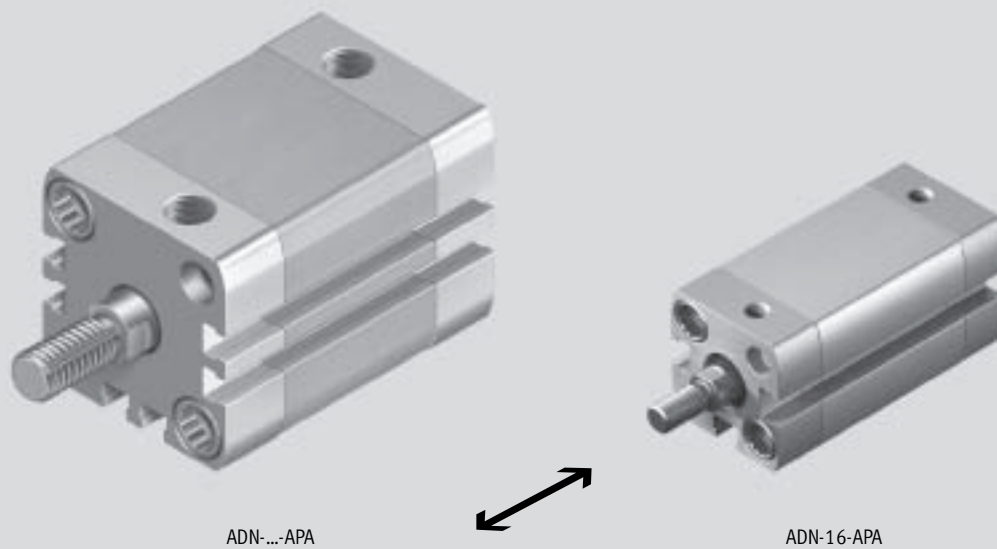
- Space savings of up to 50% with the same force compared to a similar standard cylinder
- Flexible in use thanks to an extensive range of variants
- Extensive range of accessories



Standard cylinders ADN/AEN, ISO 21 287

Key features

FESTO



More than the standard

Series ADN/AEN standard cylinders comply with the standard ISO 21 287.

- The ADN/AEN is distinguished by its compact design and broad area of application thanks to the large number of variants.
- The variants can be configured according to individual needs thanks to the modular product system.

Powerful

- Flexible cushioning rings as standard for absorbing the residual energy facilitate high speeds and machine cycles
- Long service life thanks to exceptional cushioning characteristics and minimal friction factors

Convenient

- Easy to mount with a comprehensive range of mounting accessories for just about every type of installation
- Greater flexibility thanks to the wide range of variants

Reliable

- Optimised manufacturing methods, patented technology and more than 40 years of experience in the field of cylinders make Festo and ADN/AEN a great team

Standard cylinders ADN/AEN, ISO 21 287

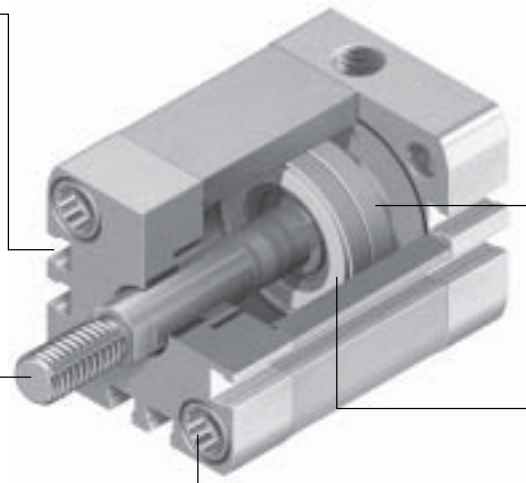
Key features

FESTO

Sensor slots on three sides for the flush mounting of proximity sensors

Piston rod with choice of male or female thread

Mounting option:
Female thread and through-hole

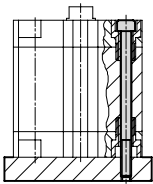


Magnet for contactless sensing

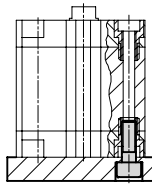
Integrated cushioning rings for absorbing residual energy for high speeds and machine cycles

Mounting options

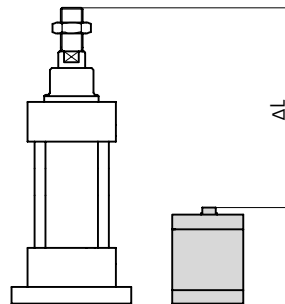
With through screw



Direct mounting



Size

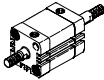
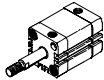


■ Space savings of up to 50% compared with the large standard ISO 6431

Standard cylinders ADN/AEN, ISO 21 287

Product range overview

FESTO

Function	Version	Type	Piston Ø	Stroke	Position sensing	
			[mm]	[mm]	A	
Double-acting		ADN Piston rod at one end	12	5, 10, 15, 20, 25, 30, 40	1 ... 300	■
			16	5, 10, 15, 20, 25, 30, 40, 50	1 ... 300	
			20, 25	5, 10, 15, 20, 25, 30, 40, 50, 60	1 ... 300	
			32, 40, 50	5, 10, 15, 20, 25, 30, 40, 50, 60, 80	1 ... 400	
			63	10, 15, 20, 25, 30, 40, 50, 60, 80	1 ... 400	
			80, 100	10, 15, 20, 25, 30, 40, 50, 60, 80	1 ... 500	
			125	–	1 ... 500	
		ADN-...-S2 Through piston rod	12, 16, 20, 25	–	1 ... 300	■
			32, 40, 50	–	1 ... 400	
			63, 80, 100, 125	–	1 ... 500	
Single-acting		AEN Piston rod at one end Pushing	12	–	1 ... 10	■
			16, 20, 25, 32, 40, 50, 63,	–	1 ... 25	
			80, 100	–	1 ... 25	
		AEN-...-Z Piston rod at one end Pulling	12	–	1 ... 10	■
			16, 20, 25, 32, 40, 50, 63,	–	1 ... 25	
			80, 100	–	1 ... 25	

Standard cylinders ADN/AEN, ISO 21 287

Product range overview

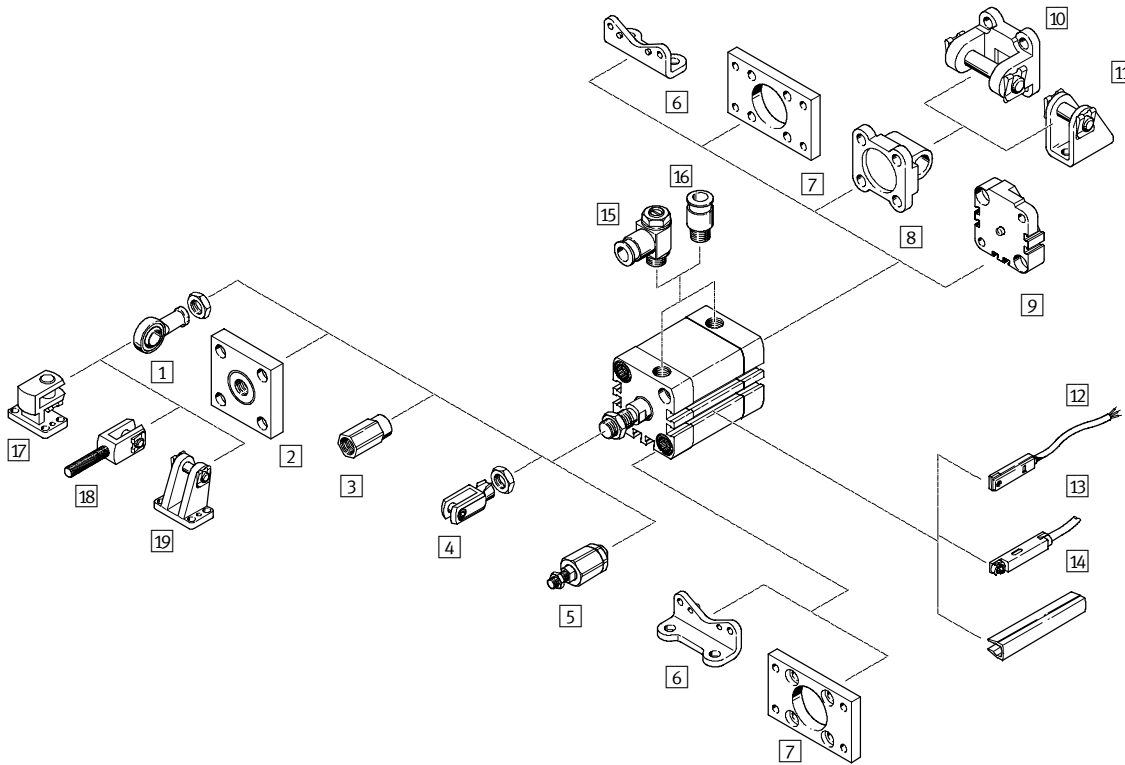
FESTO

Type	Piston rod with male thread	Piston rod with female thread	Piston rod with extended male thread K2	Special piston rod thread K5	Piston rod extended K8	→ Page
ADN Piston rod at one end	■	■	■	■	■	1 / 1.4-9
ADN-...-S2 Through piston rod	■	■	■	■	■	1 / 1.4-9
AEN Piston rod at one end Pushing	■	■	■	■	■	1 / 1.4-20
AEN-...-Z Piston rod at one end Pulling	■	■	■	■	■	1 / 1.4-20

Standard cylinders ADN/AEN, ISO 21 287

Peripherals overview

FESTO



ISO standard cylinders
ISO 21 287

1.4

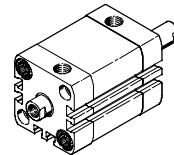
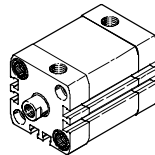
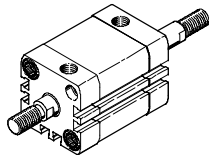
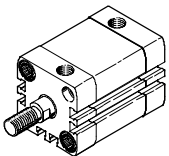
Variants

ADN- ... -A-P-A

ADN- ... -A-P-A-S2

ADN- ... -I-P-A

ADN- ... -I-P-A-S2



Standard cylinders ADN/AEN, ISO 21 287

Peripherals overview

Mounting attachments and accessories			
	Brief description	ADN/AEN	→ Page
1 Rod eye SGS/CRSGS	With spherical bearing	■	1 / 1.4-34
2 Coupling piece KSG/KSZ	For compensating radial deviations	■	1 / 1.4-34
3 Adapter AD	To allow mounting of a vacuum suction cup on a hollow cylinder piston rod	■	1 / 1.4-34
4 Rod clevis SG	Permits a swivelling movement of the cylinder in one plane	■	1 / 1.4-34
5 Self-aligning rod coupler FK	For compensating radial and angular deviations	■	1 / 1.4-34
6 Foot mounting HNA	For bearing or end caps	■	1 / 1.4-28
7 Flange mounting FNC	For bearing or end caps	■	1 / 1.4-29
8 Swivel flange SNCL	For end caps	■	1 / 1.4-30
9 Adapter kit DPNA	For connecting two cylinders with identical piston diameter to form a multi-position cylinder	■	1 / 1.4-31
10 Swivel flange SNCB	For end caps	■	1 / 1.4-33
11 Clevis foot LBN/CRLBN	For end caps	■	1 / 1.4-32
12 Proximity sensor SME/SMT-8	Can be integrated in the cylinder profile barrel	■	1 / 1.4-36
13 Proximity sensor SME/SMT-8F	Can be integrated in the cylinder profile barrel	■	1 / 1.4-36
14 Slot cover ABP-5-S	To protect the sensor cable and keep dirt out of the sensor slots	■	1 / 1.4-36
15 One-way flow control valve GRLA/GRLZ	To regulate speed	■	1 / 1.4-35
16 Push-in fitting QS	For connecting compressed air tubing with standard external diameters to CETOP RP54 P	■	Volume 3
17 Right-angle clevis foot LQG	–	■	1 / 1.4-35
18 Rod clevis SGA	With male thread	■	1 / 1.4-34
19 Clevis foot LBG	–	■	1 / 1.4-35
– Centring sleeve ZBH	X included in scope of delivery	■	1 / 1.4-31

Standard cylinders ADN/AEN, ISO 21 287

Type codes

FESTO

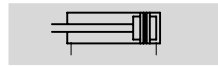
ADN		50	50	A	P	A	S2
Type							
Double-acting							
ADN	Basic version						
Single-acting							
AEN	Basic version						
Piston Ø [mm]							
Stroke [mm]							
Piston rod thread							
I	Female thread						
A	Male thread						
Cushioning							
P	Non-adjustable at either end						
Position sensing							
A	With proximity sensor						
Variant							
S2	Through piston rod						
K2	Male thread extended						
K5	Special thread						
K8	Piston rod extended						
Z	Single-acting, pulling						

Standard cylinders ADN, ISO 21 287

Technical data

FESTO

Function



 Diameters
12 ... 125 mm

 Stroke length
1 ... 500 mm

 [www.festo.com/en/
Spare_parts_service](http://www.festo.com/en/Spare_parts_service)

Variants



S2



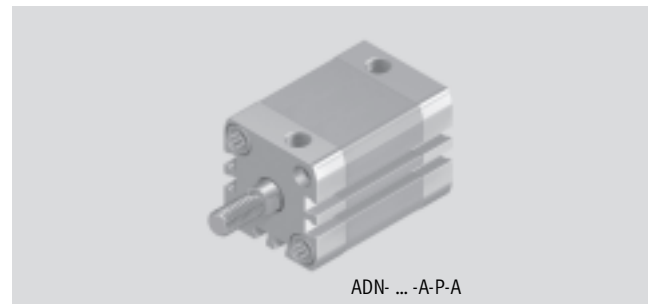
K2



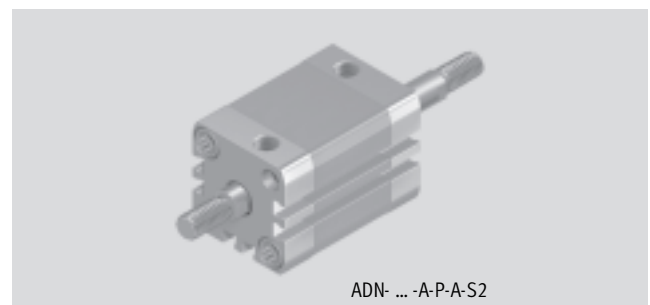
K5



K8



ADN- ... -A-P-A



ADN- ... -A-P-A-S2

General technical data												
Piston Ø	12	16	20	25	32	40	50	63	80	100	125	
Pneumatic connection	M5	M5	M5	M5	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{4}$	
End of piston rod	Female thread	M3	M4	M6	M6	M8	M8	M10	M10	M12	M12	M16
	Male thread	M5	M6	M8	M8	M10x1.25	M10x1.25	M12x1.25	M12x1.25	M16x1.5	M16x1.5	M20x1.5
Operating medium	Filtered compressed air, lubricated or unlubricated											
Constructional design	Piston											
	Piston rod											
	Cylinder barrel											
Cushioning	Non-adjustable at either end											
Position sensing	With proximity sensor											
Type of mounting	Via through-holes											-
	With female thread											
	Via accessories											
Mounting position	Any											

Operating pressure [bar]												
Piston Ø	12	16	20	25	32	40	50	63	80	100	125	
Piston rod at one end	1 ... 10		0.6 ... 10									
Through piston rod S2	1 ... 10		0.6 ... 10									

Ambient conditions	
Variant	Basic version
Ambient temperature ¹⁾ [°C]	-20 ... +80
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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

Standard cylinders ADN, ISO 21 287

Technical data

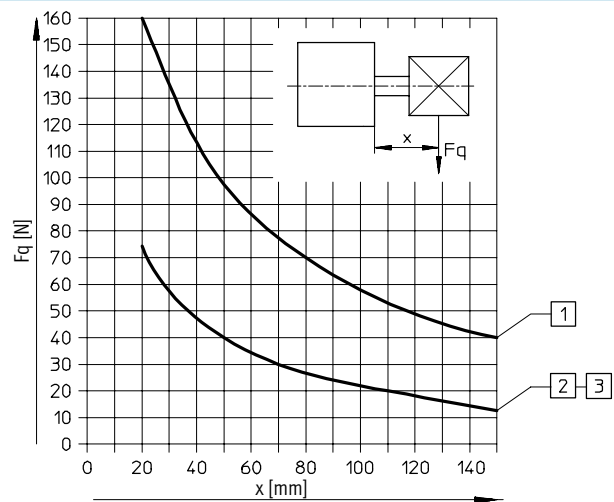
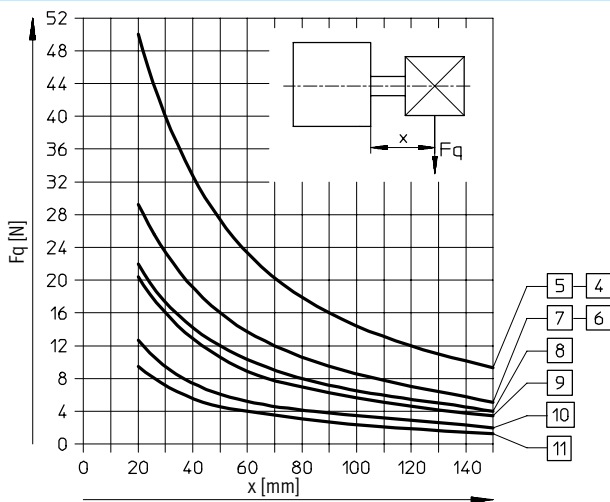
FESTO

Forces [N] and impact energy [J]												
Piston Ø		12	16	20	25	32	40	50	63	80	100	125
Theoretical force at 6 bar, advancing		68	121	188	295	483	754	1 178	1 870	3 016	4 712	7 363
	S2	51	90	141	247	415	686	1 057	1 750	2 827	4 524	7 069
Theoretical force at 6 bar, retracting		51	90	141	247	415	686	1 057	1 750	2 827	4 524	7 069
	S2	51	90	141	247	415	686	1 057	1 750	2 827	4 524	7 069
Max. impact energy at end positions		0.07	0.15	0.2	0.3	0.4	0.7	1.0	1.3	1.8	2.5	3.3

Max. lateral force F_q as a function of projection x

Ø 12 ... 63

Ø 80 ... 125



- | | |
|---|----------|
| 1 | Ø 125 mm |
| 2 | Ø 100 mm |
| 3 | Ø 80 mm |
| 4 | Ø 63 mm |

- | | |
|----------|---------|
| 5 | Ø 50 mm |
| 6 | Ø 40 mm |
| 7 | Ø 32 mm |
| 8 | Ø 25 mm |

- | | |
|-----------|---------|
| 9 | Ø 20 mm |
| 10 | Ø 16 mm |
| 11 | Ø 12 mm |

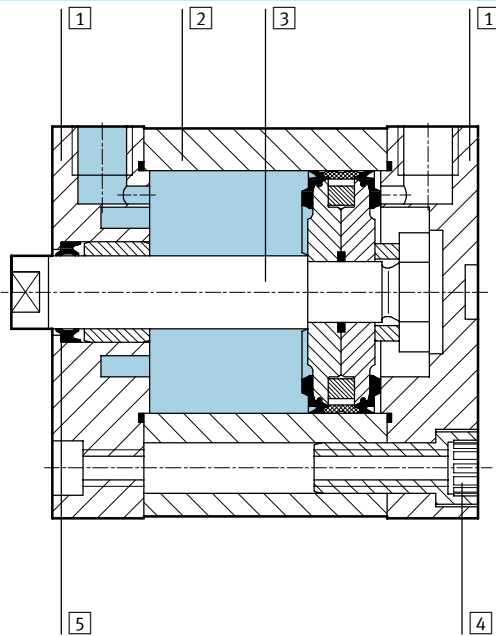
Standard cylinders ADN, ISO 21 287

Technical data

FESTO

Materials

Sectional view



Variants		Basic version
1	Cover cap	Anodised aluminium
2	Cylinder barrel	Smooth anodised aluminium
3	Piston rod	High-alloy steel
4	Flange screws	Ø 12 ... 16 High-alloy steel
		Ø 40 ... 63 Galvanised steel
		Ø 80 ... 125 Standard screws, galvanised steel
5	Seals	Polyurethane

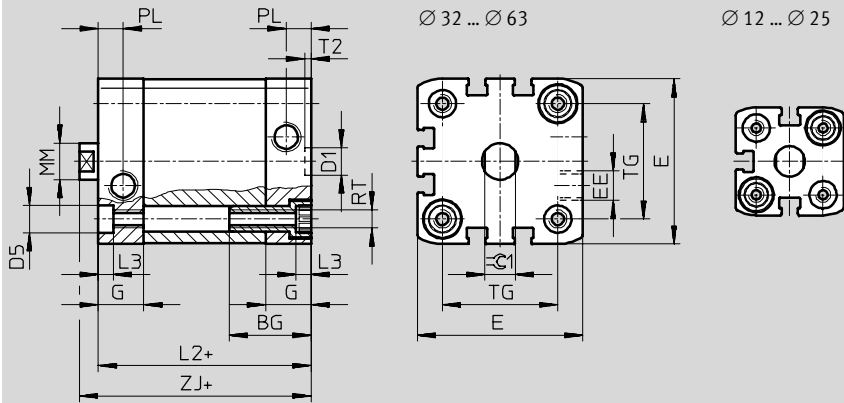
Standard cylinders ADN, ISO 21 287

Technical data

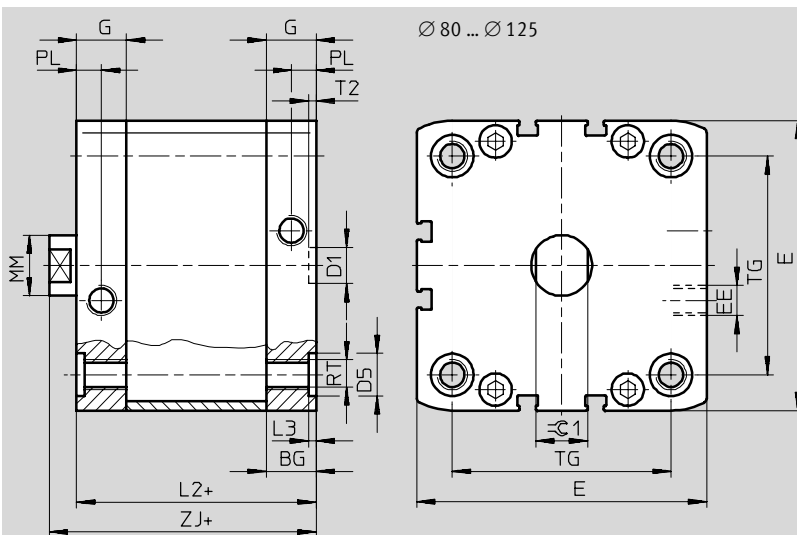
FESTO

Dimensions – Basic cylinders

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



+ = plus stroke length



+ = plus stroke length

Ø [mm]	BG	D1 Ø H9	D5 Ø F9	E	EE	G	L2 max.	L3 + 0.2	MM Ø h8	PL + 0.2	RT	T2 + 0.1	TG ± 0.2	ZJ	⌀1 h13
12	17	9	6	27.5+0.3	M5	10.5	35	3.5	6	6	M4	2.1	16	40	5
16				29+0.3		11			8				18		7
20	19.5		9	35.5+0.3		12	37	10	M5		22		43	9	
25				39.5+0.3			39				26		45		
32	27			47+0.3	G1/8	15	44		5	12	M6	32.5	50	10	
40				54.5+0.3			45					38	51		
50			12	65.5+0.3			49	16		M8	46.5	53	13		
63				75.5+0.3							56.5	57			
80			16.5	14	95.5+0.6	G1/4	16.5	54	2.6	20	8.2	M10	2.6	72	63
100	21.5		113.5+0.6		21.5		67	2.6	89		76				
125	20		–		134.6+0.3		20	81	–	25	10.5	M12		110	92

Standard cylinders ADN, ISO 21 287

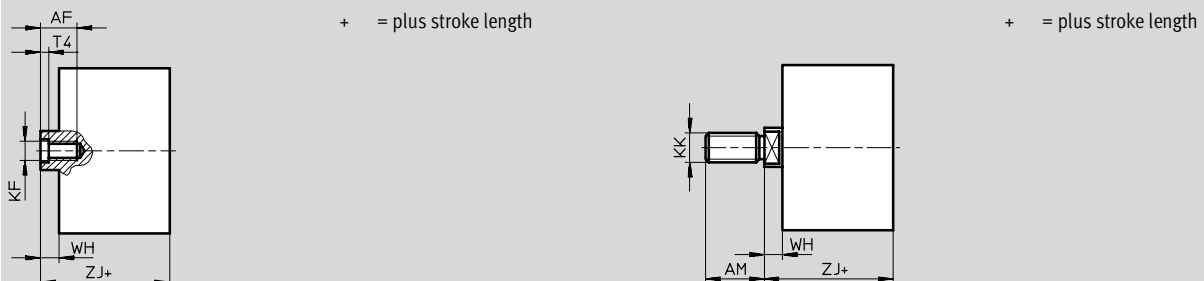
Technical data

FESTO

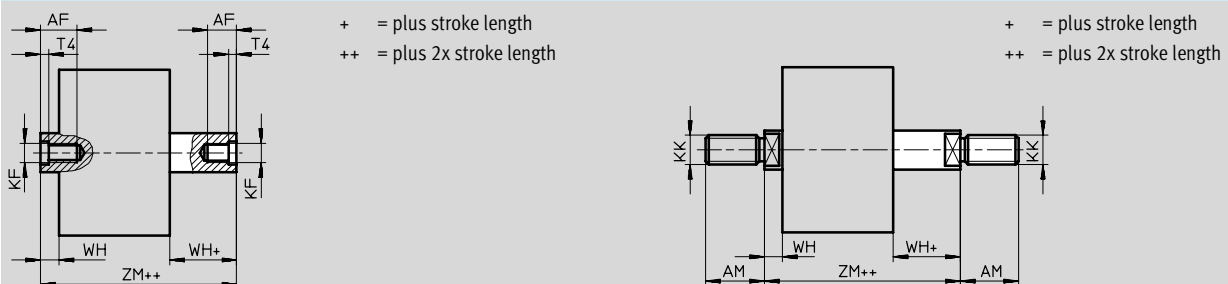
Dimensions – Variants

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

Basic version



S2 – Through piston rod



Ø	AF	AM	KF	KK	T4	WH	ZJ	ZM
[mm]	min.	- 0.5						
12	8	10	M3	M5	1.5	4.2 +1	40	44.2
16	10	12	M4	M6		4.85+1	40	44.85
20	14	16	M6	M8	2.6	5.65+1	43	48.65
25						5.65+1	45	50.65
32	16	19	M8	M10x1.25	3.3	6.15+1	50	56.15
40						6.15+1	51	57.15
50	20	22	M10	M12x1.25	4.7	8.25+1	53	61.25
63						8.25+1	57	65.25
80	20	28	M12	M16x1.5	6.1	9+1	63	72
100						9+1	76	85
125	25	40	M16	M20x1.5	7	10.8+1.2	92	102.8

Standard cylinders ADN, ISO 21 287

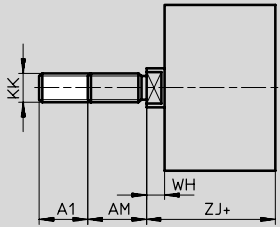
Technical data

FESTO

Dimensions – Variants

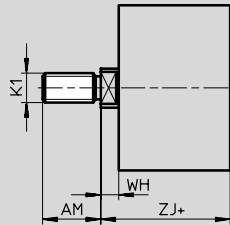
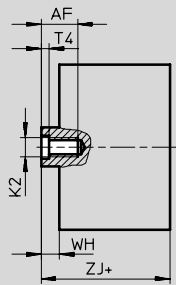
Download CAD data → www.festo.com/en/engineering

K2 – Extended male thread



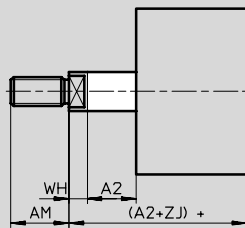
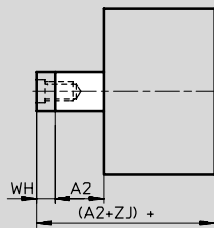
+ = plus stroke length

K5 – Special thread



+ = plus stroke length

K8 – Piston rod extended



+ = plus stroke length

Standard cylinders ADN, ISO 21 287

Technical data

FESTO

Ø	A1	A2	AF	AM	K1	K2	KK	T4	WH	ZJ	
[mm]			min.	- 0.5							
12	1 ... 10	1 ... 300	8	10	M6	–	M5	1.5	4.2+1	40	
16			10	12	M8	–	M6	1.5	4.85+1	40	
20	14		16	M10	M5	M8	2.6	5.65+1	43		
				M10x1.25							
25	14		16	M10	M5	M8	2.6	5.65+1	45		
				M10x1.25							
32	1 ... 20	1 ... 400	16	19	M10	M6	M10x1.25	3.3	6.15+1	50	
					M12						
40			16	19	M10	M6	M10x1.25	3.3	6.15+1	51	
					M12						
50			20	22	M12	M8	M12x1.25	4.7	8.25+1	53	
					M16						
63			20	22	M12	M8	M12x1.25	4.7	8.25+1	57	
					M16						
80	1 ... 30		1 ... 500	20	28	M16	M10	M16x1.5	6.1	9+1	63
						M20					
100				20	28	M16	M10	M16x1.5	6.1	9+1	76
						M20					
	M20x1.5										
125	1 ... 40			25	40	M20	–	M20x1.5	7	10.8+1.2	92

Standard cylinders ADN, ISO 21 287

Technical data

FESTO

Ordering data – Basic version						
Type	Piston Ø [mm]	Stroke [mm]	Piston rod with female thread		Piston rod with male thread	
			Part No.	Type	Part No.	Type
	12	5	536 211	ADN-12-5-I-P-A	536 204	ADN-12-5-A-P-A
		10	536 212	ADN-12-10-I-P-A	536 205	ADN-12-10-A-P-A
		15	536 213	ADN-12-15-I-P-A	536 206	ADN-12-15-A-P-A
		20	536 214	ADN-12-20-I-P-A	536 207	ADN-12-20-A-P-A
		25	536 215	ADN-12-25-I-P-A	536 208	ADN-12-25-A-P-A
		30	536 216	ADN-12-30-I-P-A	536 209	ADN-12-30-A-P-A
		40	536 217	ADN-12-40-I-P-A	536 210	ADN-12-40-A-P-A
	16	5	536 226	ADN-16-5-I-P-A	536 219	ADN-16-5-A-P-A
		10	536 227	ADN-16-10-I-P-A	536 220	ADN-16-10-A-P-A
		15	536 228	ADN-16-15-I-P-A	536 221	ADN-16-15-A-P-A
		20	536 229	ADN-16-20-I-P-A	536 222	ADN-16-20-A-P-A
		25	536 230	ADN-16-25-I-P-A	536 223	ADN-16-25-A-P-A
		30	536 231	ADN-16-30-I-P-A	536 224	ADN-16-30-A-P-A
		40	536 232	ADN-16-40-I-P-A	536 225	ADN-16-40-A-P-A
		50	536 341	ADN-16-50-I-P-A	536 331	ADN-16-50-A-P-A
	20	5	536 242	ADN-20-5-I-P-A	536 234	ADN-20-5-A-P-A
		10	536 243	ADN-20-10-I-P-A	536 235	ADN-20-10-A-P-A
		15	536 244	ADN-20-15-I-P-A	536 236	ADN-20-15-A-P-A
		20	536 245	ADN-20-20-I-P-A	536 237	ADN-20-20-A-P-A
		25	536 246	ADN-20-25-I-P-A	536 238	ADN-20-25-A-P-A
		30	536 247	ADN-20-30-I-P-A	536 239	ADN-20-30-A-P-A
		40	536 248	ADN-20-40-I-P-A	536 240	ADN-20-40-A-P-A
		50	536 249	ADN-20-50-I-P-A	536 241	ADN-20-50-A-P-A
	25	60	536 362	ADN-20-60-I-P-A	536 352	ADN-20-60-A-P-A
		5	536 259	ADN-25-5-I-P-A	536 251	ADN-25-5-A-P-A
		10	536 260	ADN-25-10-I-P-A	536 252	ADN-25-10-A-P-A
		15	536 261	ADN-25-15-I-P-A	536 253	ADN-25-15-A-P-A
		20	536 262	ADN-25-20-I-P-A	536 254	ADN-25-20-A-P-A
		25	536 263	ADN-25-25-I-P-A	536 255	ADN-25-25-A-P-A
		30	536 264	ADN-25-30-I-P-A	536 256	ADN-25-30-A-P-A
		40	536 265	ADN-25-40-I-P-A	536 257	ADN-25-40-A-P-A
	32	50	536 266	ADN-25-50-I-P-A	536 258	ADN-25-50-A-P-A
		60	536 383	ADN-25-60-I-P-A	536 373	ADN-25-60-A-P-A
		5	536 278	ADN-32-5-I-P-A	536 268	ADN-32-5-A-P-A
		10	536 279	ADN-32-10-I-P-A	536 269	ADN-32-10-A-P-A
		15	536 280	ADN-32-15-I-P-A	536 270	ADN-32-15-A-P-A
		20	536 281	ADN-32-20-I-P-A	536 271	ADN-32-20-A-P-A
		25	536 282	ADN-32-25-I-P-A	536 272	ADN-32-25-A-P-A
		30	536 283	ADN-32-30-I-P-A	536 273	ADN-32-30-A-P-A
	32	40	536 284	ADN-32-40-I-P-A	536 274	ADN-32-40-A-P-A
		50	536 285	ADN-32-50-I-P-A	536 275	ADN-32-50-A-P-A
		60	536 286	ADN-32-60-I-P-A	536 276	ADN-32-60-A-P-A
		80	536 287	ADN-32-80-I-P-A	536 277	ADN-32-80-A-P-A

Standard cylinders ADN, ISO 21 287

Technical data

FESTO

Ordering data – Basic version						
Type	Piston Ø [mm]	Stroke [mm]	Piston rod with female thread		Piston rod with male thread	
			Part No.	Type	Part No.	Type
	40	5	536 299	ADN-40-5-I-P-A	536 289	ADN-40-5-A-P-A
		10	536 300	ADN-40-10-I-P-A	536 290	ADN-40-10-A-P-A
		15	536 301	ADN-40-15-I-P-A	536 291	ADN-40-15-A-P-A
		20	536 302	ADN-40-20-I-P-A	536 292	ADN-40-20-A-P-A
		25	536 303	ADN-40-25-I-P-A	536 293	ADN-40-25-A-P-A
		30	536 304	ADN-40-30-I-P-A	536 294	ADN-40-30-A-P-A
		40	536 305	ADN-40-40-I-P-A	536 295	ADN-40-40-A-P-A
		50	536 306	ADN-40-50-I-P-A	536 296	ADN-40-50-A-P-A
		60	536 307	ADN-40-60-I-P-A	536 297	ADN-40-60-A-P-A
		80	536 308	ADN-40-80-I-P-A	536 298	ADN-40-80-A-P-A
	50	5	536 320	ADN-50-5-I-P-A	536 310	ADN-50-5-A-P-A
		10	536 321	ADN-50-10-I-P-A	536 311	ADN-50-10-A-P-A
		15	536 322	ADN-50-15-I-P-A	536 312	ADN-50-15-A-P-A
		20	536 323	ADN-50-20-I-P-A	536 313	ADN-50-20-A-P-A
		25	536 324	ADN-50-25-I-P-A	536 314	ADN-50-25-A-P-A
		30	536 325	ADN-50-30-I-P-A	536 315	ADN-50-30-A-P-A
		40	536 326	ADN-50-40-I-P-A	536 316	ADN-50-40-A-P-A
		50	536 327	ADN-50-50-I-P-A	536 317	ADN-50-50-A-P-A
		60	536 328	ADN-50-60-I-P-A	536 318	ADN-50-60-A-P-A
		80	536 329	ADN-50-80-I-P-A	536 319	ADN-50-80-A-P-A
	63	10	536 342	ADN-63-10-I-P-A	536 332	ADN-63-10-A-P-A
		15	536 343	ADN-63-15-I-P-A	536 333	ADN-63-15-A-P-A
		20	536 344	ADN-63-20-I-P-A	536 334	ADN-63-20-A-P-A
		25	536 345	ADN-63-25-I-P-A	536 335	ADN-63-25-A-P-A
		30	536 346	ADN-63-30-I-P-A	536 336	ADN-63-30-A-P-A
		40	536 347	ADN-63-40-I-P-A	536 337	ADN-63-40-A-P-A
		50	536 348	ADN-63-50-I-P-A	536 338	ADN-63-50-A-P-A
		60	536 349	ADN-63-60-I-P-A	536 339	ADN-63-60-A-P-A
		80	536 350	ADN-63-80-I-P-A	536 340	ADN-63-80-A-P-A
	80	10	536 363	ADN-80-10-I-P-A	536 353	ADN-80-10-A-P-A
		15	536 364	ADN-80-15-I-P-A	536 354	ADN-80-15-A-P-A
		20	536 365	ADN-80-20-I-P-A	536 355	ADN-80-20-A-P-A
		25	536 366	ADN-80-25-I-P-A	536 356	ADN-80-25-A-P-A
		30	536 367	ADN-80-30-I-P-A	536 357	ADN-80-30-A-P-A
		40	536 368	ADN-80-40-I-P-A	536 358	ADN-80-40-A-P-A
		50	536 369	ADN-80-50-I-P-A	536 359	ADN-80-50-A-P-A
		60	536 370	ADN-80-60-I-P-A	536 360	ADN-80-60-A-P-A
		80	536 371	ADN-80-80-I-P-A	536 361	ADN-80-80-A-P-A
	100	10	536 384	ADN-100-10-I-P-A	536 374	ADN-100-10-A-P-A
		15	536 385	ADN-100-15-I-P-A	536 375	ADN-100-15-A-P-A
		20	536 386	ADN-100-20-I-P-A	536 376	ADN-100-20-A-P-A
		25	536 387	ADN-100-25-I-P-A	536 377	ADN-100-25-A-P-A
		30	536 388	ADN-100-30-I-P-A	536 378	ADN-100-30-A-P-A
		40	536 389	ADN-100-40-I-P-A	536 379	ADN-100-40-A-P-A
		50	536 390	ADN-100-50-I-P-A	536 380	ADN-100-50-A-P-A
		60	536 391	ADN-100-60-I-P-A	536 381	ADN-100-60-A-P-A
		80	536 392	ADN-100-80-I-P-A	536 382	ADN-100-80-A-P-A

Standard cylinders ADN, ISO 21 287

Ordering data – Modular products

FESTO

[M] Mandatory data →

Module No.	Drive function	Size	Stroke	Thread type	Cushioning	Position sensing
536 203	ADN	12	1 ... 500	A	P	A
536 218		16		I		
536 233		20				
536 250		25				
536 267		32				
536 288		40				
536 309		50				
536 330		63				
536 351		80				
536 372		100				
536 393		125				
Order example						
536 309	ADN	50	350	A	P	A

Ordering table

Size	12	16	20	25	32	40	Condi- tions	Code	Enter code
[M] Module No.	536 203	536 218	536 233	536 250	536 267	536 288			
Drive function	Standard cylinder, double-acting, based on DIN ISO 21 287							ADN	ADN
Size	12	16	20	25	32	40		-...	
Stroke [mm]	1 ... 300				1 ... 400			-...	
Thread type	Piston rod with male thread							-A	
	Piston rod with female thread							-I	
Cushioning	Flexible cushioning rings/plates at both ends							-P	-P
Position sensing	With proximity sensor							-A	-A
[O] Type of piston rod	Through piston rod							-S2	
Male thread extended [mm]	1 ... 10		1 ... 20					-...K2	
Special thread	Special piston rod thread							-...K5	
	M6	M8	M10x1.25 M10	M10x1.25 M10	M10 M12	M10 M12	[1]		
	-	-	M5	M5	M6	M6	[2]		
Piston rod extended [mm]	Extended piston rod				1 ... 400		[3]	-...K8	

- [1] **K5** Only with thread type A (piston rod with male thread).
 [2] **K5** Only with thread type I (piston rod with female thread).

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

Transfer order code

	ADN	-		-		-	P	-	A
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Standard cylinders ADN, ISO 21 287

Ordering data – Modular products

FESTO

Options

Type of piston rod	Male thread extended	Special thread	Piston rod extended
S2	...K2	...K5	...K8
- S2	- 15K2	- M16K5	- 50K8

Ordering table

Size		50	63	80	100	125	Condi- tions	Code	Enter code
[M]	Module No.	536 309	536 330	536 351	536 372	536 393			
	Drive function	Standard cylinder, double-acting, based on DIN ISO 21 287						ADN	ADN
	Size	50	63	80	100	125		-...	
	Stroke [mm]	1 ... 400		1 ... 500				-...	
	Thread type	Piston rod with male thread						-A	
		Piston rod with female thread						-I	
	Cushioning	Flexible cushioning rings/plates at both ends						-P	-P
	Position sensing	With proximity sensor						-A	-A
[O]	Type of piston rod	Through piston rod						-S2	
	Male thread extended [mm]	1 ... 20		1 ... 30		1 ... 40		-...K2	
	Special thread	Special piston rod thread							
		M12	M12	M16	M16	M20	[1]	-...K5	
		M16	M16	M20	M20	M20x1.5			
		M8	M8	M10	-	-	[2]		
	Piston rod extended [mm]	Extended piston rod							
		1 ... 400		1 ... 500			[3]	-...K8	

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

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

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

Transfer order code

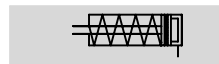
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Standard cylinders AEN, ISO 21 287

Technical data

FESTO

Function



Ø Diameters
12 ... 100 mm

Stroke length
1 ... 25 mm

 [www.festo.com/en/
Spare_parts_service](http://www.festo.com/en/Spare_parts_service)

Variants



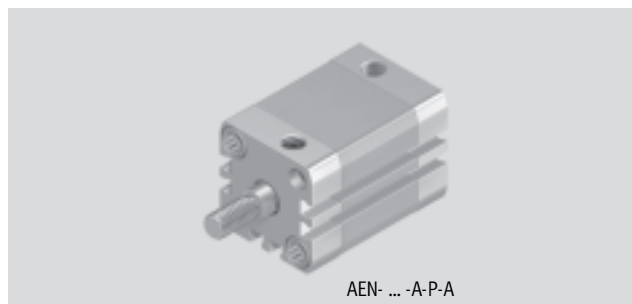
K2



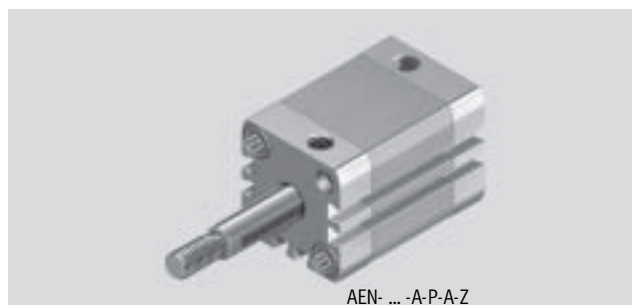
K5



K8



AEN- ... -A-P-A



AEN- ... -A-P-A-Z

General technical data										
Piston Ø	12	16	20	25	32	40	50	63	80	100
Pneumatic connection	M5	M5	M5	M5	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$	G $\frac{1}{8}$
End of piston rod	Female thread	M3	M4	M6	M6	M8	M8	M10	M10	M12
	Male thread	M5	M6	M8	M8	M10x1.25	M10x1.25	M12x1.25	M12x1.25	M16x1.5
Operating medium	Filtered compressed air, lubricated or unlubricated									
Constructional design	Piston									
	Piston rod									
	Cylinder barrel									
Cushioning	Non-adjustable at either end									
Position sensing	With proximity sensor									
Type of mounting	Via through-holes									
	With female thread									
	Via accessories									
Mounting position	Any									

Operating pressure [bar]										
Piston Ø	12	16	20	25	32	40	50	63	80	100
Piston rod at one end	1.5 ... 10		1 ... 10							

Ambient conditions	
Variant	Basic version
Ambient temperature ¹⁾ [°C]	-20 ... +80
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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

Standard cylinders AEN, ISO 21 287

Technical data

FESTO

Forces [N] and impact energy [J]										
Piston Ø	12	16	20	25	32	40	50	63	80	100
Pushing AEN										
Theoretical force at 6 bar, advancing	59	95	161	260	440	700	1 100	1 780	2 870	4 510
Pulling AEN-...-Z										
Theoretical force at 6 bar, retracting	40	65	115	210	380	632	980	1 660	2 700	4 324
Min. theoretical spring return force	5	7	10	14	18	26	35	43	60	94
Max. impact energy at end positions	0.04	0.04	0.04	0.08	0.1	0.15	0.18	0.28	0.35	0.7

 Note

The degree of friction depends upon the mounting position, and the type of load involved. Single-acting cylinders should as far as possible be operated without lateral forces.

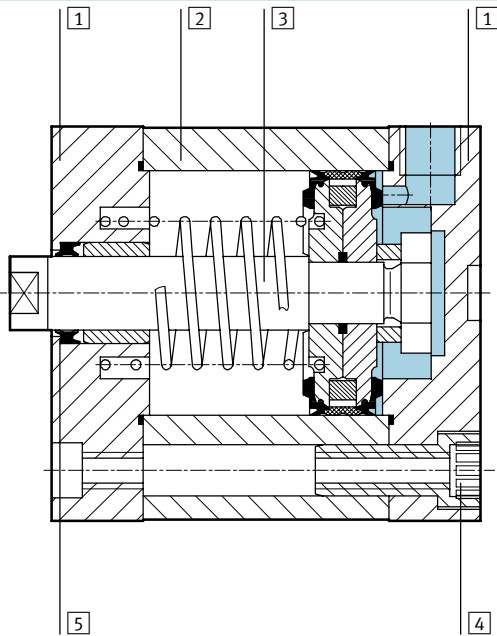
Standard cylinders AEN, ISO 21 287

Technical data

FESTO

Materials

Sectional view



Variants		Basic version
1	Cover cap	Anodised aluminium
2	Cylinder barrel	Smooth anodised aluminium
3	Piston rod	High-alloy steel
4	Flange screws	High-alloy steel
		Galvanised steel
		Standard screws, galvanised steel
5	Seals	Polyurethane

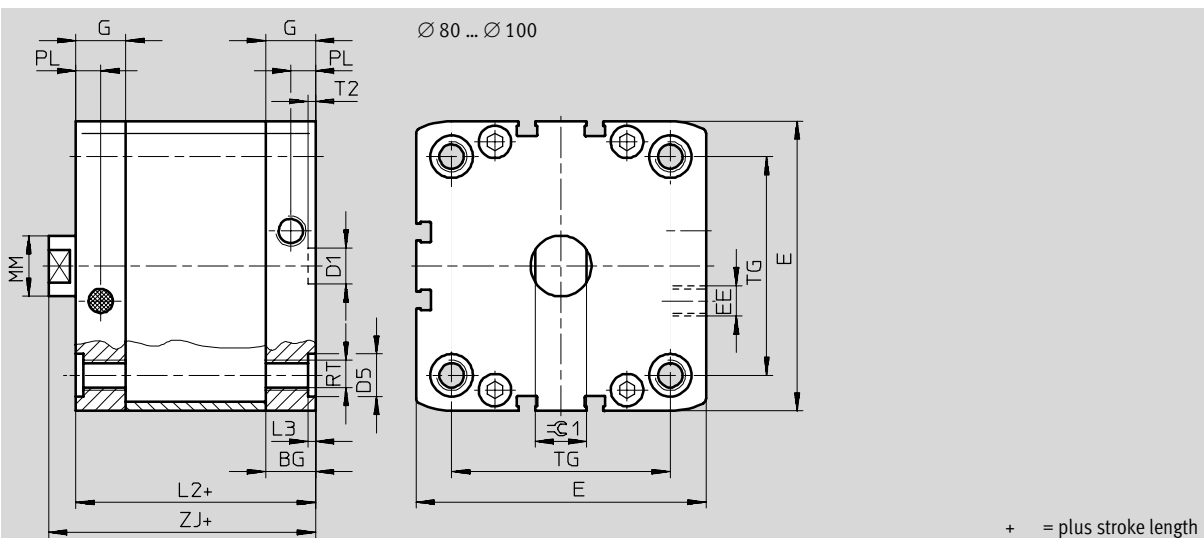
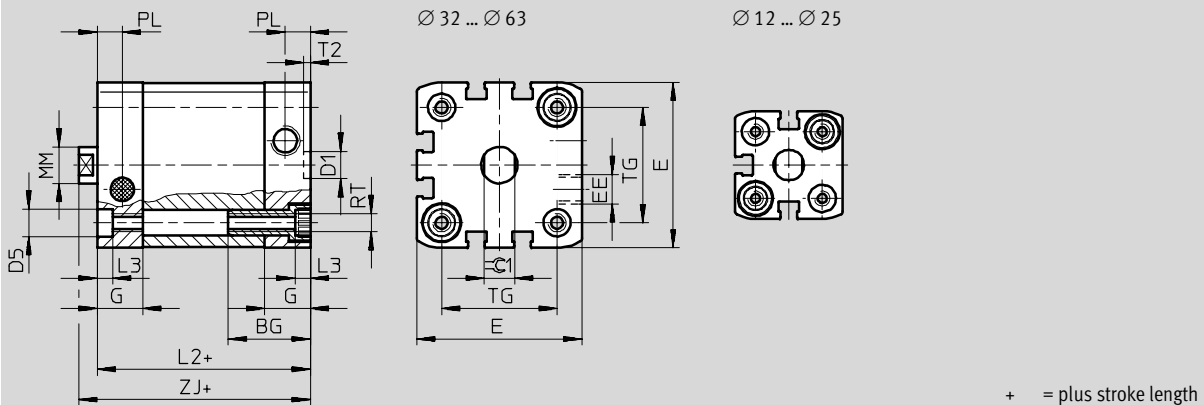
Standard cylinders AEN, ISO 21 287

Technical data

FESTO

Dimensions – Basic cylinders

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



Ø [mm]	BG	D1 Ø H9	D5 Ø F9	E	EE	G	L2 max.	L3 + 0.2	MM Ø h8	PL + 0.2	RT	T2 + 0.1	TG ± 0.2	ZJ	⊘C1 h13		
12	17	9	6	27.5+0.3	M5	10.5	35	3.5	6	6	M4	2.1	16	40	5		
16				29+0.3		11			8				18		7		
20	19.5		9	35.5+0.3		12	37	5	10				M5		22	43	9
25				39.5+0.3			39								26	45	
32	27			12	47+0.3	G1/8	15		44	8.2	M6		32.5	50	10		
40					54.5+0.3				45				12	38		51	
50		12	12	65.5+0.3	49				M8		46.5	53	13				
63				75.5+0.3							56.5	57					
80	16.5	12	14	95.5+0.6			16.5	54	2.6	20	8.2	M10	72	63	17		
100	21.5			113.5+0.6				21.5			67		10.5	89		76	

Standard cylinders AEN, ISO 21 287

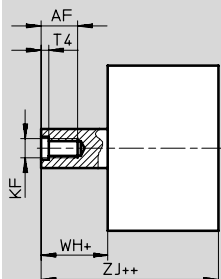
Technical data

FESTO

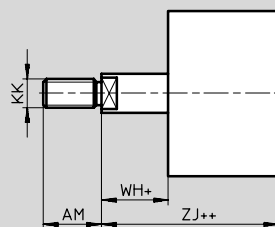
Dimensions – Variants

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

Basic version



+ = plus stroke length
++ = plus 2x stroke length



+ = plus stroke length
++ = plus 2x stroke length

Ø	AF	AM	KF	KK	T4	WH	ZJ
[mm]	min.	- 0.5					
12	8	10	M3	M5	1.5	4.2+1	40
16	10	12	M4	M6	1.5	4.85+1	40
20	14	16	M6	M8	2.6	5.65+1	43
25	14	16	M6	M8	2.6	5.65+1	45
32	16	19	M8	M10x1.25	3.3	6.15+1	50
40	16	19	M8	M10x1.25	3.3	6.15+1	51
50	20	22	M10	M12x1.25	4.7	8.25+1	53
63	20	22	M10	M12x1.25	4.7	8.25+1	57
80	20	28	M12	M16x1.5	6.1	9+1	63
100	20	28	M12	M16x1.5	6.1	9+1	76

Standard cylinders AEN, ISO 21 287

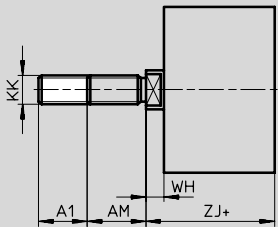
Technical data

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Dimensions – Variants

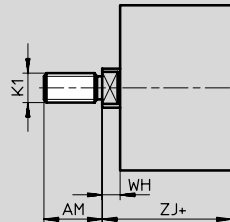
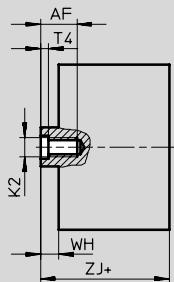
Download CAD data → www.festo.com/en/engineering

K2 – Extended male thread



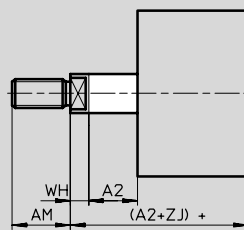
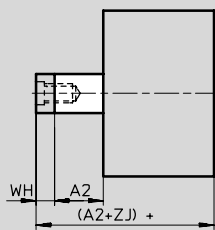
+ = plus stroke length

K5 – Special thread



+ = plus stroke length

K8 – Piston rod extended



+ = plus stroke length

Ø	A1	A2	AF	AM	K1	K2	KK	T4	WH	ZJ
[mm]			min.	- 0.5						
12	1 ... 10	1 ... 10	8	10	M6	–	M5	1.5	4.2 ⁺¹	40
16	1 ... 10	1 ... 25	10	12	M8	–	M6		4.85 ⁺¹	40
20	1 ... 20	1 ... 25	14	16	M10	M5	M8	2.6	5.65 ⁺¹	43
25					M10x1.25				5.65 ⁺¹	45
32					M10				6.15 ⁺¹	50
40	1 ... 20	1 ... 25	16	19	M12	M6	M10x1.25	3.3	6.15 ⁺¹	51
50					M10				8.25 ⁺¹	53
63					M12				8.25 ⁺¹	57
80	1 ... 20	1 ... 25	20	22	M16	M8	M12x1.25	4.7	9 ⁺¹	63
100					M20				9 ⁺¹	76
					M16					
					M20x1.5					

Standard cylinders AEN, ISO 21 287

Ordering data – Modular products

FESTO

M Mandatory data →

Module No.	Drive function	Size	Stroke	Thread type	Cushioning	Position sensing
536 414	AEN	12	1 ... 25	A	P	A
536 415		16		I		
536 416		20				
536 417		25				
536 418		32				
536 419		40				
536 420		50				
536 421		63				
536 422		80				
536 423		100				
Order example						
536 423	AEN	- 100	- 21	- A	- P	- A

Ordering table

Size	12	16	20	25	32	Condi- tions	Code	Enter code
M Module No.	536 414	536 415	536 416	536 417	536 418			
Drive function	Standard cylinder, single-acting, based on DIN ISO 21 287						AEN	AEN
Size	12	16	20	25	32		-...	
Stroke [mm]	1 ... 10	1 ... 25					-...	
Thread type	Piston rod with male thread						-A	
	Piston rod with female thread						-I	
Cushioning	Flexible cushioning rings/plates at both ends						-P	-P
Position sensing	With proximity sensor						-A	-A
O Effective direction	Pulling						-Z	
Male thread extended [mm]	Piston rod with extended male thread							
	1 ... 10	1 ... 20					-...K2	
Special thread	Special piston rod thread							
	M6	M8	M10x1.25 M10	M10x1.25 M10	M10 M12	1	-...K5	
	-	-	M5	M5	M6	2		
Piston rod extended [mm]	Extended piston rod							
	1 ... 10	1 ... 25				3	-...K8	

- 1 K5** Only with thread type A (piston rod with male thread).
2 K5 Only with thread type I (piston rod with female thread).

- 3 K8** The sum of the stroke length and piston rod extension must not exceed the maximum permissible stroke length.

Transfer order code

	AEN	-		-		-		-	P	-	A
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Standard cylinders AEN, ISO 21 287

Ordering data – Modular products

FESTO

[0] Options			
Effective direction	Male thread extended	Special thread	Piston rod extended
Z	...K2	...K5	...K8
- 25K2		- 4K8	

Ordering table										
Size		40	50	63	80	100	Condi- tions	Code	Enter code	
[M]	Module No.	536 419	536 420	536 421	536 422	536 423				
	Drive function	Standard cylinder, single-acting, based on DIN ISO 21 287						ADN		
	Size	40	50	63	80	100		-...		
	Stroke [mm]	1 ... 25						-...		
	Thread type	Piston rod with male thread						-A		
		Piston rod with female thread						-I		
	Cushioning	Flexible cushioning rings/plates at both ends						-P		-P
	Position sensing	With proximity sensor						-A		-A
[O]	Effective direction	Pulling						-Z		
	Male thread extended [mm]	Piston rod with extended male thread 1 ... 20				1 ... 30		-...K2		
	Special thread	Special piston rod thread					1	-...K5		
		M10	M12	M12	M16	M16				
		M12	M16	M16	M20	M20				
					M20x1.5	M20x1.5				
		M6	M8	M8	M10	-	2			
Piston rod extended [mm]	Extended piston rod 1 ... 25					3	-...K8			

- [1] **K5** Only with thread type A (piston rod with male thread).
 [2] **K5** Only with thread type I (piston rod with female thread).

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

Transfer order code

Standard cylinders ADN/AEN, ISO 21 287

Accessories

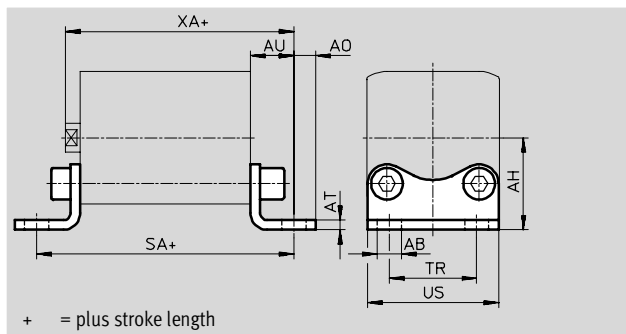
FESTO

Foot mounting HNA

Material:

Galvanised steel

Free of copper and Teflon



Dimensions and ordering data												
For Ø	AB Ø H14	AH JS14	AO	AT ±0.5	AU ±0.2	SA	TR ±0.2	US -0.5	XA	CRC ¹⁾	Part No.	Type
12	5.8	21	5	3	13	61	16	26	53	2	537 237	HNA-12
16		22	4.75				18	27.5		2	537 238	HNA-16
20	7	27	6.25	4	16	69	22	34.5	59	2	537 239	HNA-20
25		29	6.25			71	26	38.5		2	537 240	HNA-25
32		33.5	7			76	32	46		2	537 241	HNA-32
40	10	38	9	5	21	81	36	54	69	2	537 242	HNA-40
50		45	8			87	45	64		2	537 243	HNA-50
63		50	8			91	50	75		2	537 244	HNA-63
80	12	63	10.5	6	26	106	63	63	89	2	537 249	HNA-80
100	14.5	74	12.5			121	75	110		2	537 250	HNA-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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

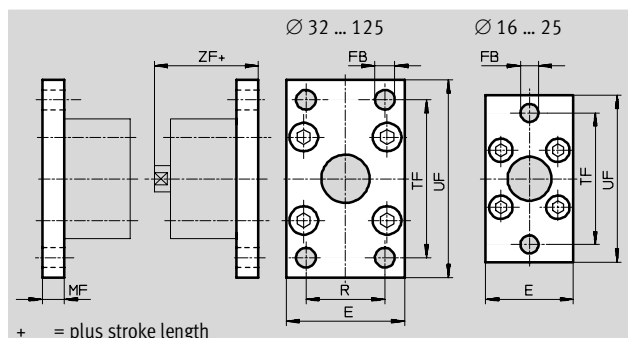
Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

Flange mounting FNC

Material:
Galvanised steel
Free of copper and Teflon



+ = plus stroke length

Dimensions and ordering data											
For Ø	E	FB Ø	MF	R	TF	UF ±1	ZF	CRC ¹⁾	Weight [g]	Part No.	Type
12	28	5.5	8	-	40	50	43	2	–	537 245	FNC-12
16	29				43	55		2	–	537 246	FNC-16
20	36	6.6			55	70	45	2	–	537 247	FNC-20
25	40				60	76	47	2	–	537 248	FNC-25
32	45	7	10	32	64	80	54	2	240	174 376	FNC-32
40	54	9		36	72	90	55	2	280	174 377	FNC-40
50	65		12	45	90	110	57	2	520	174 378	FNC-50
63	75			50	100	120	61	2	690	174 379	FNC-63
80	93	12	16	63	126	15	70	2	1 650	174 380	FNC-80
100	110	14		75	150	175	83	2	2 400	174 381	FNC-100
125	132	16		90	180	210	101	2	3 750	174 382	FNC-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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

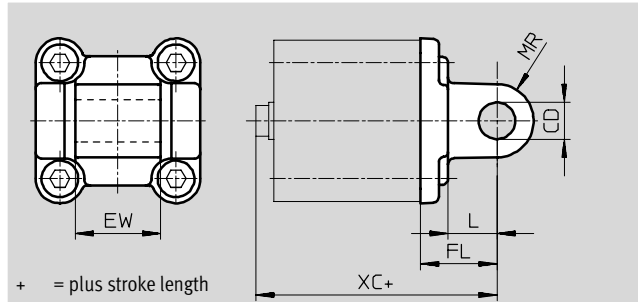
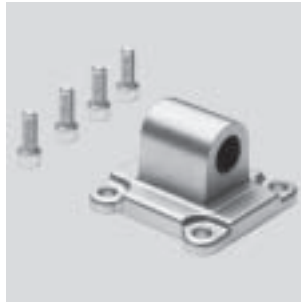
Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

Swivel flange SNCL

Material:
Galvanised steel
Free of copper and Teflon



Dimensions and ordering data									
For Ø	CD Ø E10	EW h14	FL ±0.2	L	MR	XC	CRC ¹⁾	Part No.	Type
12	6	12	16	10	6	56	2	537 790	SNCL-12 
16							2	537 791	SNCL-16 
20	8	16	20	14	8	63	2	537 792	SNCL-20 
25						65	2	537 793	SNCL-25 
32	10	26	22	13	10	72	2	174 404	SNCL-32
40	12	28	25	16	12	76	2	174 405	SNCL-40
50		32	27			80	2	174 406	SNCL-50
63	16	40	32	21	16	89	2	174 407	SNCL-63
80		50	36	22		99	2	174 408	SNCL-80
100	20	60	41	27	20	117	2	174 409	SNCL-100
125	25	70	50	30		142	2	174 410	SNCL-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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

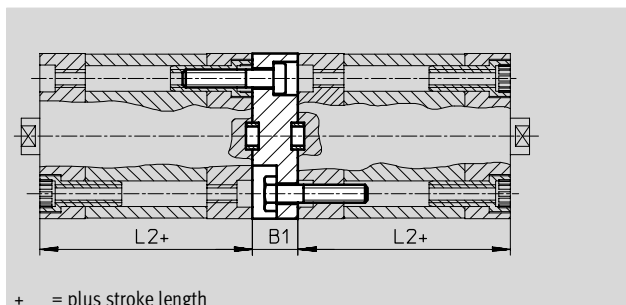
Adapter kit DPNA

Material:

Flange: Aluminium

Screws: Galvanised steel

Free of copper and Teflon



Note

The maximum overall stroke length may not be exceeded when combining cylinders and the multi-position adapter kit.

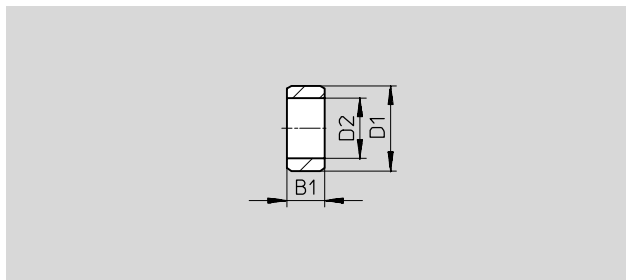
Dimensions and ordering data						
For Ø	L2	B1	Max. overall stroke length [mm]	CRC ¹⁾	Part No.	Type
12	35	13	600	2	537 263	DPNA-12 
16			600	2	537 264	DPNA-16 
20			600	2	537 265	DPNA-20 
25			600	2	537 266	DPNA-25 
32	44		800	2	537 267	DPNA-32 
40	45	15	800	2	537 268	DPNA-40 
50			800	2	537 269	DPNA-50 
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 

- 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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

Centring sleeves ZBH

Material:

High-alloy steel



Dimensions and ordering data							
For Ø	B1	D1 Ø h7	D2 Ø	CRC ¹⁾	Weight [g]	Part No.	Type
32/40	4	9	6.4	2	1	150 927	ZBH-9
50/63/80	5	12	10.3	2	1	189 653	ZBH-12

- 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 surrounding industrial atmosphere or media such as cooling or lubricating agents.
- 2) Packaging unit quantity

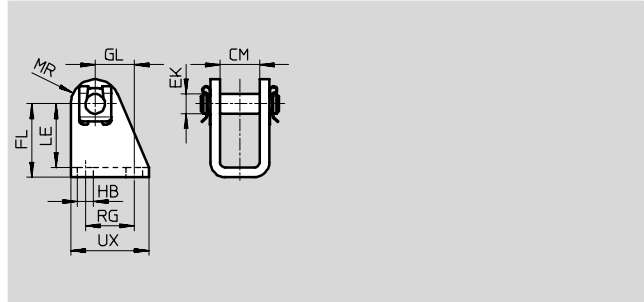
Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

Clevis foot LBN

Material:
Galvanised steel
Free of copper and Teflon

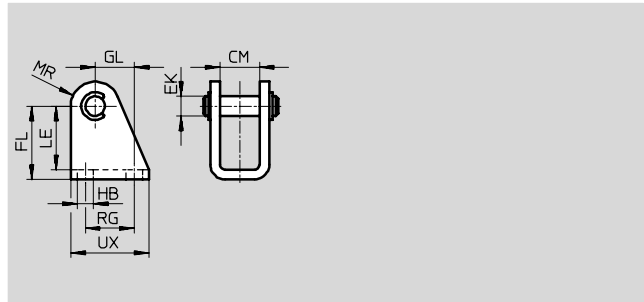


Dimensions and ordering data												
For Ø	CM	EK Ø	FL	GL	HB Ø	LE	MR	RG	UX	CRC ¹⁾	Weight [g]	Part No. Type
[mm]												
8/10	8.1	4	24 +0.3/-0.2	13.8	4.5	21.5	5	12.5	20	2	22	6 057 LBN-8/10
12/16	12.1	6	27 +0.3/-0.2	13	5.5	24	7	15	25	2	40	6 058 LBN-12/16
20/25	16.1	8	30 +0.4/-0.2	16	6.6	26	10	20	32	2	81	6 059 LBN-20/25
32	16.1	10	35 +0.4/-0.2	18.5	6.6	31	11	24	35	2	109	195 860 LBN-32
40	18.1	12	40 +0.4/-0.2	24.5	9	35	13	30	45	2	192	195 861 LBN-40
50/63	21.1	16	45 +0.5/-0.2	28	9	39	14	34	50	2	302	195 862 LBN-50/63

- 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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

Clevis foot CRLBN, stainless steel

Material:
High-alloy steel
Free of copper and Teflon



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]												
12/16	12.1	6	27 +0.3/-0.2	13	5.5	24	7	15	25	4	55	161 862 CRLBN-12/16
20/25	16.1	8	30 +0.4/-0.2	16	6.6	26	10	20	32	4	62	161 863 CRLBN-20/25
32	16.1	10	35 +0.4/-0.2	18.5	6.6	31	11	24	35	4	107	195 866 CRLBN-32
40	18.1	12	40 +0.4/-0.2	24.5	9	35	13	30	45	4	184	195 867 CRLBN-40
50/63	21.1	16	45 +0.5/-0.2	28	9	39	14	34	50	4	289	195 868 CRLBN-50/63

- 1) 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.

Core Range

Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

Swivel flange

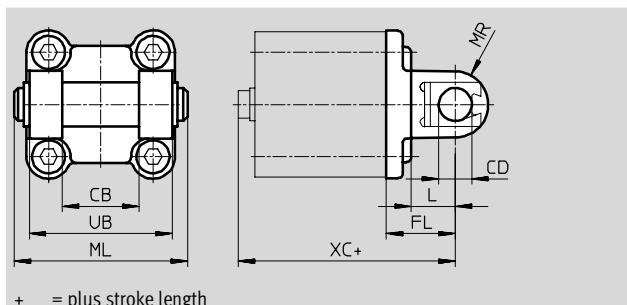
SNCB/SNCB-...-R3

Material:

SNCB: Wrought aluminium alloy

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

Free of copper and Teflon



Dimensions and ordering data								
For Ø	CB	CD	FL	L	ML	MR	UB	XC
	H14	Ø e8	±0.2				h14	
32	26	10	22	13	55	10	45	72
40	28	12	25	16	63	12	52	76
50	32	12	27	16	71	12	60	80
63	40	16	32	21	83	16	70	89
80	50	16	36	22	103	16	90	99
100	60	20	41	27	127	20	110	117
125	70	25	50	30	131	25	130	142

Dimensions and ordering data								
For Ø	Basic version				Variant R3 – High corrosion protection			
	CRC ¹⁾	Weight [g]	Part No.	Type	CRC ¹⁾	Weight [g]	Part No.	Type
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
125	2	1 785	174 396	SNCB-125	3	1 785	176 950	SNCB-125-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 surrounding industrial atmosphere or media such as cooling or lubricating agents.

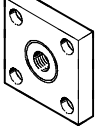
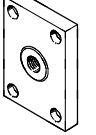
Corrosion resistance class 3 according to Festo standard 940 070

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.

Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

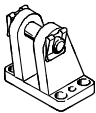
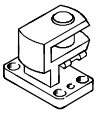
Ordering data – Piston rod attachments				Data sheets → 1 / 10.3-2			
Designation	For Ø	Part No.	Type	Designation	For Ø	Part No.	Type
Rod eye SGS				Rod clevis SGA			
	12	9 254	SGS-M6		12	–	–
	16	9 255	SGS-M8		16	–	–
	20	9 261	SGS-M10x1,25		20	32 954	SGA-M10x1,25
	25				25		
	32				32		
	40				40		
	50	9 262	SGS-M12x1,25		50	10 767	SGA-M12x1,25
	63				63		
	80	9 263	SGS-M16x1,5		80	10 768	SGA-M16x1,5
	100	9 264	SGS-M20x1,5		100	10 769	SGA-M20x1,5
	125	10 774	SGS-M27x2		125	10 770	SGA-M27x2
Rod clevis SG				Self-aligning rod coupler FK			
	12	3 110	SG-M6		12	2 061	FK-M6
	16	3 111	SG-M8		16	2 062	FK-M8
	20	6 144	SG-M10x1,25		20	6 140	FK-M10x1,25
	25				25		
	32				32		
	40				40		
	50	6 145	SG-M12x1,25		50	6 141	FK-M12x1,25
	63				63		
	80	6 146	SG-M16x1,5		80	6 142	FK-M16x1,5
	100	6 147	SG-M20x1,5		100	6 143	FK-M20x1,5
	125	14 987	SG-M27x2-B		125	10 485	FK-M27x2
Coupling piece KSG				Coupling piece KSZ			
	12	–	–		12	36 123	KSZ-M6
	16				16	36 124	KSZ-M8
	20	32 963	KSG-M10x1,25		20	36 125	KSZ-M10x1,25
	25				25		
	32				32		
	40				40		
	50	32 964	KSG-M12x1,25		50	36 126	KSZ-M12x1,25
	63				63		
	80	32 965	KSG-M16x1,5		80	36 127	KSZ-M16x1,5
	100	32 966	KSG-M20x1,5		100	36 128	KSZ-M20x1,5
	125	32 967	KSG-M27x2		125	–	–
Adapter AD							
	12	157 328	AD-M6-M5				
		157 329	AD-M6-1/8				
		157 330	AD-M6-1/4				
	16	157 331	AD-M8-1/8				
		157 332	AD-M8-1/4				
	20	157 333	AD-M10x1,25-1/8				
	25	157 334	AD-M10x1,25-1/4				
	32						
	40						
	50	160 256	AD-M12x1,25-1/4				
	63	160 257	AD-M12x1,25-3/8				

 Core Range

Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

Ordering data – Mounting attachments				Technical data → 1 / 10.1-2			
Designation	For Ø	Part No.	Type	Designation	For Ø	Part No.	Type
Clevis foot LBG				Right-angle clevis foot LQG			
	20, 25, 32, 40	31 761	LBG-32		20, 25, 32, 40	31 768	LQG-32
	50, 63	31 762	LBG-40		50, 63	31 769	LQG-40
	80	31 763	LBG-50		80	31 770	LQG-50
		31 764	LBG-63			31 771	LQG-63
	100	31 765	LBG-80		100	31 772	LQG-80
		31 766	LBG-100			31 773	LQG-100
	125	31 767	LBG-125		125	31 774	LQG-125

Ordering data – Piston rod attachments, corrosion and acid resistant				Data sheets ➔ 1 / 10.3-2			
Designation	For Ø	Part No.	Type	Designation	For Ø	Part No.	Type
Rod eye CRS GS				Rod clevis CR SG			
	12	195 580	CRSGS-M6		12	13 567	CRSG-M6
	16	195 581	CRSGS-M8		16	13 568	CRSG-M8
	20	195 582	CRSGS-M10x1,25		20	13 569	CRSG-M10x1,25
	25						
	32						
	40						
	50	195 583	CRSGS-M12x1,25		50	13 570	CRSG-M12x1,25
	63						
	80	195 584	CRSGS-M16x1,5		80	13 571	CRSG-M16x1,5
	100	195 585	CRSGS-M20x1,5		100	13 572	CRSG-M20x1,5
125	195 586	CRSGS-M27x2	125	185 361	CRSG-M27x2		

Ordering data – One-way flow control valves				Data sheets → Volume 2			
	Connection		Material	Part No.	Type		
	Thread	For tubing O.D.					
For exhaust air							
	M5	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		
	G1/8	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		
	G1/4	6		193 146	GRLA-1/4-QS-6-D		
		8		193 147	GRLA-1/4-QS-8-D		
		10		193 148	GRLA-1/4-QS-10-D		
	For supply air						
	M5	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		
	G1/8	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		

ISO standard cylinders
ISO 21 287

1.4

Standard cylinders ADN/AEN, ISO 21 287

Accessories

FESTO

Ordering data – Proximity sensors for slot type 8, magneto-resistive								Data sheets → 1 / 10.2-13	
	Mounting	Switch output	Electrical connection			Cable length [m]	Part No.	Type	
			Cable	M8 plug	M12 plug				
NO contact									
	Insertable from above	PNP	3-core	–	–	2.5	525 898	SMT-8F-PS-24V-K2,5-OE	
		NPN					525 909	SMT-8F-NS-24V-K2,5-OE	
		–	2-core	–	–	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-core	–	–	2.5	175 436	SMT-8-PS-K-LED-24-B	
			–	3-pin	–	0.3	175 484	SMT-8-PS-S-LED-24-B	
NC contact									
	Insertable from above	PNP	3-core	–	–	7.5	525 911	SMT-8F-PO-24V-K7,5-OE	

Ordering data – Proximity sensors for slot type 8, magnetic reed							Data sheets → 1 / 10.2-16	
	Mounting	Electrical connection		Cable length [m]	Part No.	Type		
		Cable	M8 plug					
NO contact								
	Insertable from above	3-core	–	2.5	525 895	SME-8F-DS-24V-K2,5-OE		
				5.0	525 897	SME-8F-DS-24V-K5,0-OE		
		2-core	–	3-pin	2.5	525 907	SME-8F-ZS-24V-K2,5-OE	
					0.3	525 896	SME-8F-DS-24V-K0,3-M8D	
	Insertable from end, flush with the cylinder profile	3-core	–	2.5	150 855	SME-8-K-LED-24		
		–	3-pin	0.3	150 857	SME-8-S-LED-24		
NC contact								
	Insertable from above	3-core	–	7.5	525 906	SME-8F-DO-24V-K7,5-OE		

Ordering data – Plug sockets							Data sheets ➔ 1 / 10.2-108	
	Mounting	Switch output		Connection	Cable length [m]	Part No.	Type	
		PNP	NPN					
Straight socket								
	M8 union nut			3-pin	2.5	159 420	SIM-M8-3GD-2,5-PU	
					5	159 421	SIM-M8-3GD-5-PU	
	M12 union nut			3-pin	2.5	159 428	SIM-M12-3GD-2,5-PU	
					5	159 429	SIM-M12-3GD-5-PU	
Angled socket								
	M8 union nut			3-pin	2.5	159 422	SIM-M8-3WD-2,5-PU	
					5	159 423	SIM-M8-3WD-5-PU	
	M12 union nut			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 slot type 8					
	Mounting	Length [m]	Part No.	Type	
	Insertable from above	2x 0.5	151 680	ABP-5-S	

Core Range