Compact cylinder DPCA

New

Compact cylinder DPCA

Characteristics

FESTO

At a glance

- Compact design permits use in tight spaces
- Double- and single-acting versions
- Piston rod with external and internal thread
- With and without anti-twist protection
- With and without cushioning
- Simple assembly with suitable mounting options

System of units

[ ] Metric

System of units

[N] Imperial

Anti-twist protection

[Q] With protection against rotation

- The protection prevents the piston rod turning during movement
- Application example: position-oriented feeding

Running characteristics

[L4] Additional piston guide

- The piston guide serves to absorb higher transverse loads

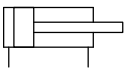
Stroke adjustment

[E] Advancing/front

- Stroke adjustment allows precision adjustment of the piston rod's advanced end position

Function

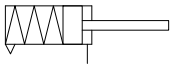
[ ] Double-acting



- The cylinder has two pneumatic connections which can be pressurized with compressed air one after the other
- Depending on which chamber is pressurized with compressed air, the piston rod either advances or retracts
- When the rear connection is pressurized with compressed air, the cylinder extends. The retracting movement occurs by applying air to the front connection.

Function

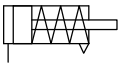
[P] Single-acting, pulling (spring extend)



- The cylinder has one pneumatic connection. The piston rod is advanced in its initial position.
- When the connection is pressurized with compressed air, the cylinder retracts. The advancing movement occurs by means of a spring.

Function

[S] Single-acting, pushing (spring retract)



- The cylinder has one pneumatic connection. The piston rod is retracted in its initial position.
- When the connection is pressurized with compressed air, the cylinder extends. The retracting movement occurs by means of a spring.

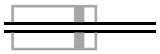
Piston rod type

[ ] At one end

- The piston rod can be used for connection at one end of the cylinder

Piston rod type

[H] Through, hollow piston rod



- The piston rod can be used for connection at both ends of the cylinder
- The piston rod is hollow inside, meaning it can be used to carry vacuum or compressed air
- Identical forces in forward and return stroke

Piston rod type

[T] Through piston rod

- The piston rod can be used for connection at both ends of the cylinder
- The piston rod has an internal thread on the side of the end cap and an external thread on the other side
- Identical forces in forward and return stroke

Piston rod thread type

[ ] External thread

Compact cylinder DPCA

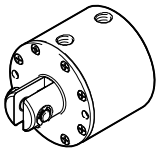
Characteristics

Piston rod thread type

[F] Internal thread

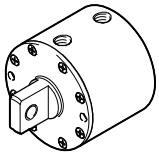
Type of mounting

[D] With swivel clevis



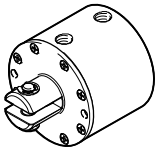
Type of mounting

[U] With swiveling rod eye



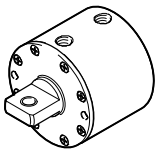
Type of mounting

[D90] With swivel clevis, rotated 90°



Type of mounting

[U90] Swiveling rod eye, rotated 90°



Cushioning

[P]/[P2]/[P3] Flexible cushioning rings/pads

- The actuator is fitted with rubber flexible end-position cushioning for absorbing higher impact energy.
- No adjustment required
- Saves time

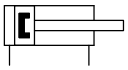
Sound limiting

[SL]/[SL2]/[SL3] Both ends/front/rear

- Sound can be muffled with the sound limiting feature

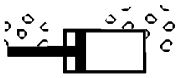
Position sensing

[A] For proximity switch



Scraper variant

[A1] Increased chemical resistance



- Seals made of PKM ensure a longer service life, e.g. when using cooling lubricants

New

Compact cylinder DPCA

Product range overview

FESTO

Function	Type	Piston diameter [in]	Stroke [in]	System of units N	Anti-twist protection Q	Stroke adjustment E	Piston rod type H	Piston rod type T	Piston rod thread type F
Double-acting	**Standard running characteristic**								
	DPCA	1/2	1/16 ... 4	■	–	–	■	■	■
		3/4		■	■	–	■	■	■
		1 1/8	1/8 ... 4	■	■	■	■	■	■
		1 5/8		■	■	■	■	■	■
		2		■	■	■	■	■	■
		2 1/2		■	■	■	■	■	■
		3		■	■	■	■	■	■
		4		■	■	■	■	■	■
	Running characteristic with additional PTFE piston guide								
	DPCA-...-L4	1/2	1/8 ... 4	■	–	–	–	–	■
		3/4		■	■	–	–	–	■
		1 1/8	1/16 ... 3 7/8	■	■	–	–	–	■
		1 5/8	1/4 ... 3 3/4	■	■	–	–	–	■
		2	1/8 ... 3 3/4	■	■	–	–	–	■
		2 1/2	1/4 ... 3 3/4	■	■	–	–	–	■
		3		■	■	–	–	–	■
		4	5/16 ... 3 13/16	■	■	–	–	–	■

Note

Only fixed strokes can be ordered. To find out which strokes are available for specific piston diameters, please refer to the ordering data in the modular product system
➔ page 63

Compact cylinder DPCA

Product range overview

Function	Type	Piston diameter [in]	Stroke [in]	Type of mounting D	U	D90	U90	Cushioning N	P	P2	P3	Sound limiting SL	SL2	SL3	Position sensing A	Scraper variant A1
Double-acting	**Standard running characteristic**															
	DPCA	1/2	1/16 ... 4	■	■	■	■	■	■	■	■	–	–	–	■	■
		3/4		■	■	■	■	■	■	■	■	–	–	–	■	■
		1 1/8	1/8 ... 4	■	■	■	■	■	■	■	■	■	■	■	■	■
		1 5/8		■	■	■	■	■	■	■	■	■	■	■	■	■
		2		■	■	■	■	■	■	■	■	■	■	■	■	■
		2 1/2		■	–	■	–	■	■	■	■	■	■	■	■	■
		3		■	–	■	–	■	■	■	■	■	■	■	■	■
		4		■	–	■	–	■	■	■	■	■	■	■	■	■
	Running characteristic with additional PTFE piston guide															
	DPCA-...-L4	1/2	1/8 ... 4	■	■	■	■	■	■	■	■	–	–	–	■	■
		3/4		■	■	■	■	■	■	■	■	–	–	–	■	■
		1 1/8	1/16 ... 3 7/8	■	■	■	■	■	■	■	■	■	■	■	■	■
		1 5/8	1/4 ... 3 3/4	■	■	■	■	■	■	■	■	■	■	■	■	■
		2	1/8 ... 3 3/4	■	■	■	■	■	■	■	■	■	■	■	■	■
		2 1/2	1/4 ... 3 3/4	■	–	■	–	■	■	■	■	■	■	■	■	■
		3		■	–	■	–	■	■	■	■	■	■	■	■	■
		4	5/16 ... 3 13/16	■	–	■	–	■	■	■	■	■	■	■	■	■

Note

Only fixed strokes can be ordered. To find out which strokes are available for specific piston diameters, please refer to the ordering data in the modular product system
➔ page 63

New

Compact cylinder DPCA

Product range overview

FESTO

Function	Type	Piston diameter [in]	Stroke [in]	System of units N	Anti-twist protection Q	Stroke adjustment E	Piston rod type H	Piston rod type T	Piston rod thread type F
Single-acting, pulling (spring extend)	**Standard running characteristic**								
	DPCA-...-P	1/2	1/16 ... 1/2	■	–	–	–	–	■
		3/4		■	–	–	–	–	■
		1 1/8	1/8 ... 1 1/2	■	–	–	–	–	■
		1 5/8	1/8 ... 1	■	–	–	–	–	■
		2		■	–	–	–	–	■
		2 1/2		■	–	–	–	–	■
		3		■	–	–	–	–	■
	Running characteristic with additional PTFE piston guide								
	DPCA-...-L4-...-P	1/2	1/8 ... 3/8	■	–	–	–	–	■
		3/4		■	–	–	–	–	■
		1 1/8	1/16 ... 1 3/8	■	–	–	–	–	■
		1 5/8	1/4 ... 3/4	■	–	–	–	–	■
		2	1/8 ... 3/4	■	–	–	–	–	■
		2 1/2	1/4 ... 3/4	■	–	–	–	–	■
		3		■	–	–	–	–	■
Single-acting, pushing (spring retract)	**Standard running characteristic**								
	DPCA-...-S	1/2	1/16 ... 2	■	–	–	■	■	■
		3/4		■	–	–	■	■	■
		1 1/8	1/8 ... 2	■	–	■	■	■	■
		1 5/8	1/8 ... 1 1/2	■	–	■	■	■	■
		2		■	–	■	■	■	■
		2 1/2		■	–	■	■	■	■
		3		■	–	■	■	■	■
	Running characteristic with additional PTFE piston guide								
	DPCA-...-L4-...-S	1/2	1/8 ... 2	■	–	–	–	–	■
		3/4		■	–	–	–	–	■
		1 1/8	1/16 ... 1 7/8	■	–	–	–	–	■
		1 5/8	1/4 ... 1 1/4	■	–	–	–	–	■
		2	1/8 ... 1 1/4	■	–	–	–	–	■
		2 1/2	1/4 ... 1 1/4	■	–	–	–	–	■
		3		■	–	–	–	–	■

Note

Only fixed strokes can be ordered. To find out which strokes are available for specific piston diameters, please refer to the ordering data in the modular product system
➔ page 103

Compact cylinder DPCA

Product range overview

Function	Type	Piston diameter [in]	Stroke [in]	Type of mounting D	U	D90	U90	Cushioning N	P	P2	P3	Sound limiting SL	SL2	SL3	Position sensing A	Scraper variant A1
Single-acting, pulling (spring extend)	**Standard running characteristic**															
	DPCA-...-P	1/2	1/16 ... 1/2	■	■	■	■	■	–	■	–	–	–	–	–	■
		3/4		■	■	■	■	■	–	■	–	–	–	–	–	■
		1 1/8	1/8 ... 1 1/2	■	■	■	■	■	–	■	–	■	■	■	–	■
		1 5/8	1/8 ... 1	■	■	■	■	■	–	■	–	■	■	■	–	■
		2		■	■	■	■	■	–	■	–	■	■	■	–	■
		2 1/2"		■	–	■	–	■	–	■	–	■	■	■	–	■
		3		■	–	■	–	■	–	■	–	■	■	■	–	■
	Running characteristic with additional PTFE piston guide															
	DPCA-...-L4-...-P	1/2	1/8 ... 3/8	■	■	■	■	■	–	■	–	–	–	–	–	■
		3/4		■	■	■	■	■	–	■	–	–	–	–	–	■
		1 1/8	1/16 ... 1 3/8	■	■	■	■	■	–	■	–	■	■	■	–	■
		1 5/8	1/4 ... 3/4	■	■	■	■	■	–	■	–	■	■	■	–	■
		2	1/8 ... 3/4	■	■	■	■	■	–	■	–	■	■	■	–	■
		2 1/2"	1/4 ... 3/4	■	–	■	–	■	–	■	–	■	■	■	–	■
		3		■	–	■	–	■	–	■	–	■	■	■	–	■
Single-acting, pushing (spring retract)	**Standard running characteristic**															
	DPCA-...-S	1/2	1/16 ... 2	■	■	■	■	■	–	–	■	–	–	–	–	■
		3/4		■	■	■	■	■	–	–	■	–	–	–	–	■
		1 1/8	1/8 ... 2	■	■	■	■	■	–	–	■	–	–	■	–	■
		1 5/8	1/8 ... 1 1/2	■	■	■	■	■	–	–	■	–	–	■	–	■
		2		■	■	■	■	■	–	–	■	–	–	■	–	■
		2 1/2		■	–	■	–	■	–	–	■	–	–	■	–	■
		3		■	–	■	–	■	–	–	■	–	–	■	–	■
	Running characteristic with additional PTFE piston guide															
	DPCA-...-L4-...-S	1/2	1/8 ... 2	■	■	■	■	■	–	–	■	–	–	–	–	■
		3/4		■	■	■	■	■	–	–	■	–	–	–	–	■
		1 1/8	1/16 ... 1 7/8	■	■	■	■	■	–	–	■	–	–	■	–	■
		1 5/8	1/4 ... 1 1/4	■	■	■	■	■	–	–	■	–	–	■	–	■
		2	1/8 ... 1 1/4	■	■	■	■	■	–	–	■	–	–	■	–	■
		2 1/2	1/4 ... 1 1/4	■	–	■	–	■	–	–	■	–	–	■	–	■
		3		■	–	■	–	■	–	–	■	–	–	■	–	■

Note

Only fixed strokes can be ordered. To find out which strokes are available for specific piston diameters, please refer to the ordering data in the modular product system
➔ page 103

Compact cylinder DPCA

Type codes

FESTO

DPCA – N – Q L4 – 2" – 4" E – P H F D

Type	
DPCA	Compact cylinder

System of units	
–	Metric
N	Imperial

Anti-twist protection	
–	Without
Q	With anti-twist protection

Running characteristics	
–	Standard
L4	Additional piston guide

Piston diameter	

Stroke	

Stroke adjustment	
–	Without
E	Advancing/front

Function	
–	Double-acting
P	Single-acting, pulling (spring extend)
S	Single-acting, pushing (spring retract)

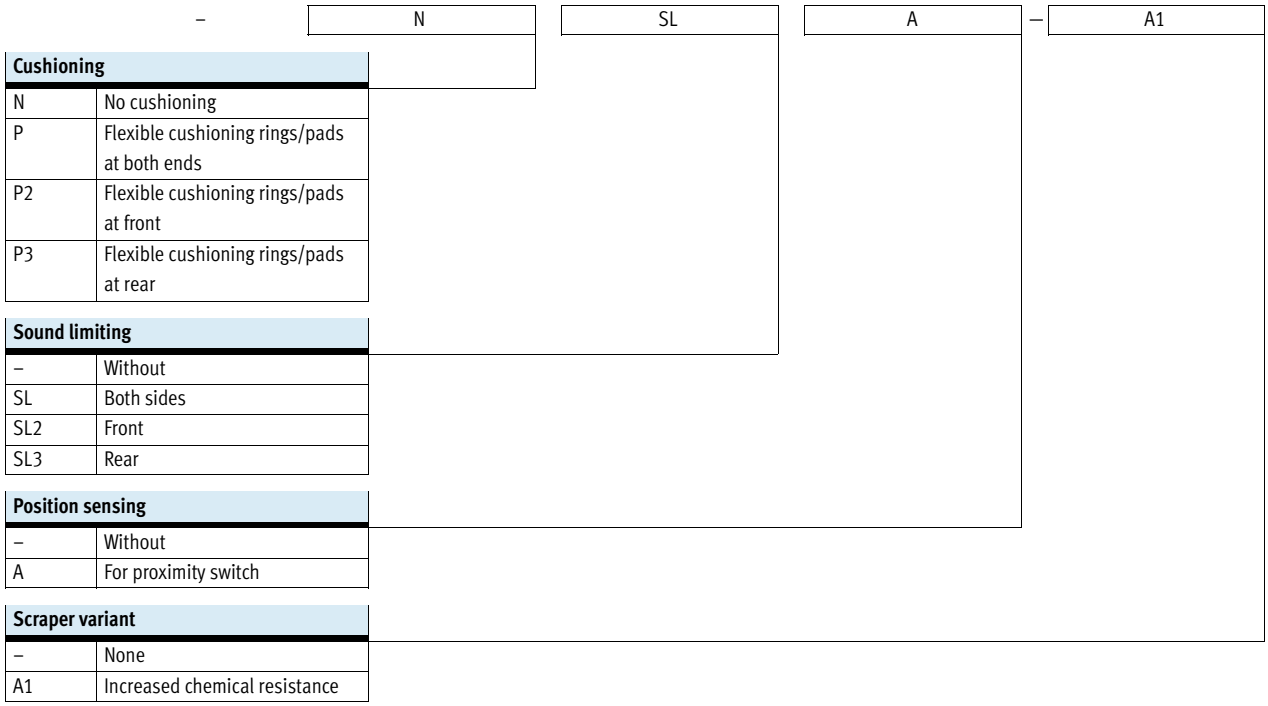
Piston rod type	
–	At one end
H	Through, hollow piston rod
T	Through piston rod

Piston rod thread type	
–	External thread
F	Internal thread

Type of mounting	
–	Standard
D	With swivel clevis
U	With swiveling rod eye
D90	With swivel clevis, rotated 90°
U90	With swiveling rod eye, rotated 90°

Compact cylinder DPCA

Type codes



Cushioning	
N	No cushioning
P	Flexible cushioning rings/pads at both ends
P2	Flexible cushioning rings/pads at front
P3	Flexible cushioning rings/pads at rear

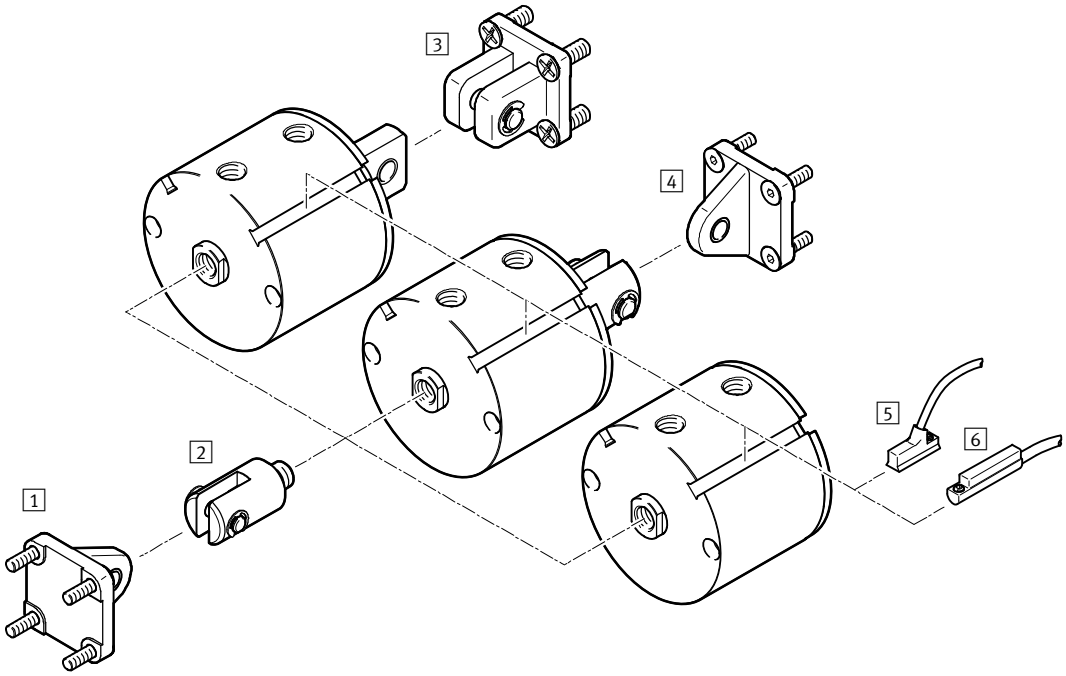
Sound limiting	
–	Without
SL	Both sides
SL2	Front
SL3	Rear

Position sensing	
–	Without
A	For proximity switch

Scraper variant	
–	None
A1	Increased chemical resistance

Compact cylinder DPCA

Peripherals overview



Accessories			
		Description	**➔ Page/Internet**
1	Clevis flange DAMS-C4-...-C	For connecting to swivel clevis DARC	105
2	Swivel clevis DARC-C4-...-M	Permits swivel motion in one plane	106
3	Clevis flange DAMS-C4-...-D	Counterpart for the swiveling rod eye on the cylinder	107
4	Clevis flange DAMS-C4-...-C	For connecting to compact cylinder DPCA	105
5	Proximity switch SDBF-FBS	For dovetail slot For piston diameter 3/4... 4	108
6	Proximity switch SDBF-FAS	For round slot For piston diameter 1/2	108

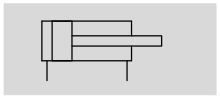
Compact cylinder DPCA, double-acting

Technical data

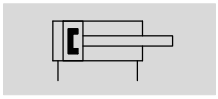
FESTO

Function

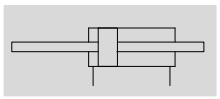
DPCA



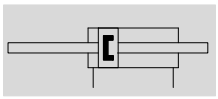
DPCA-...-A



DPCA-...-T



DPCA-...-T-...-A



Diameter
1/2 ... 4 inch

Stroke length
1/16 ... 4 inch

General technical data								
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	4
Design	Piston							
	Piston rod							
	Cylinder barrel							
Mode of operation	Double-acting							
Piston rod end	External thread							
	Internal thread							
Anti-twist protection/guide	–	Piston guide pin						
Pneumatic connection	Double-acting							
[ ]	M5		G1/8					
[N]	10-32 UNF-2B		1/8 NPT					
Piston rod thread								
[ ]	8-32 UNC-2A	10-32 UNF-2A	5/16-24 UNF-2A	3/8-24 UNF-2A	1/2-20 UNF-2A			5/8-18 UNF-2A
[F]	8-32 UNC-2B	10-32 UNF-2B	5/16-24 UNF-2B	3/8-24 UNF-2B	1/2-20 UNF-2B			5/8-18 UNF-2B
Stroke [in]	1/16 ... 4			1/8 ... 4				
Cushioning								
[P]	Flexible cushioning rings/pads at both ends							
[P2]	Flexible cushioning rings/pads at front							
[P3]	Flexible cushioning rings/pads at rear							
Position sensing	For proximity switch							
Type of mounting								
	With through-hole							
	With accessories							
[U]	With swiveling rod eye on end cap					–		
[D]	With swivel clevis on end cap							
[U90]	With swiveling rod eye on end cap rotated 90°					–		
[D90]	With swivel clevis on end cap rotated 90°							
Mounting position	Any							

New

Compact cylinder DPCA, double-acting

Technical data

Operating and environmental conditions									
Piston diameter		1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	4
Operating pressure	[psi]	15 ... 150							
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]							
Information on operating and pilot media		Operation with oil lubrication possible (required for further use)							
Ambient temperature[1)]	[°F]	–25 ... +250							

1) Note operating range of proximity switches

Forces [lbs] at 80 psi								
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	4
Theoretical force, advancing	16	35.2	79.2	165.6	251.2	392.8	565.6	1005.6
Theoretical force, retracting	12	28.8	64	136	216	357.6	530.4	957.6

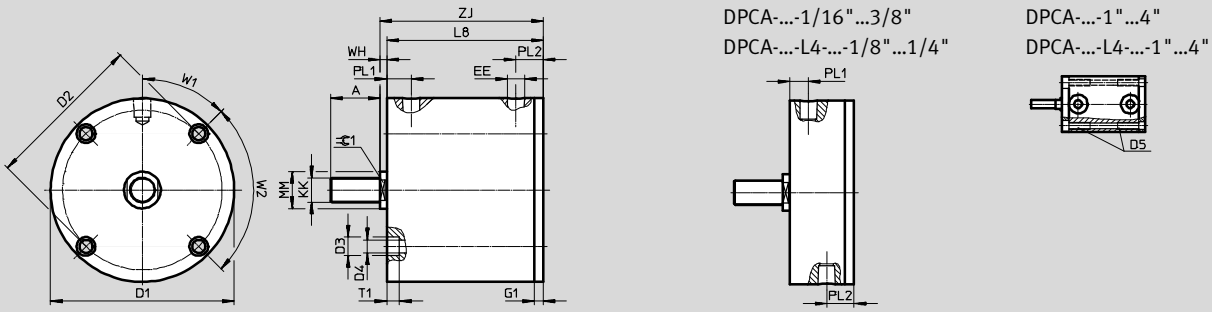
Weights [lb]								
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	4
Product weight	0.08 ... 0.46	0.14 ... 0.81	0.28 ... 1.39	0.6 ... 3.8	0.89 ... 3.95	1.43 ... 4.73	1.89 ... 5.72	3.88 ... 10.08

Materials	
Cover	Wrought aluminum alloy
Dynamic seals	NBR
	FPM
Piston rod	High-alloy steel
Cylinder barrel	Wrought aluminum alloy
Note on materials	Contains paint-wetting impairment substances
	RoHS-compliant

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	KK	
								[N]			[N]
1/16	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.13	M4	8-32 UNC-2A
1/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.13	M4	8-32 UNC-2A
1/4	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.13	M4	8-32 UNC-2A
3/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.13	M4	8-32 UNC-2A
1/2	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.13	M4	8-32 UNC-2A
5/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.13	M4	8-32 UNC-2A
3/4	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.13	M4	8-32 UNC-2A
1	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
1 1/4	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
1 1/2	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
2	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
3	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
4	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1	W1	W2	WH	ZJ		⌯1
		[L4]									[L4]	
1/16	0.7	–	0.25	0.33	0.31	0.14	90°	–	0.13	0.83	–	0.19
1/8	0.7	0.83	0.25	0.33	0.31	0.14	90°	–	0.13	0.83	0.96	0.19
1/4	0.83	0.95	0.25	0.33	0.31	0.14	90°	–	0.13	0.96	1.08	0.19
3/8	0.95	1.08	0.25	0.33	0.31	0.14	90°	–	0.13	1.08	1.21	0.19
1/2	1.08	1.23	0.25	0.33	0.31	0.14	90°	–	0.13	1.21	1.36	0.19
5/8	1.23	1.36	0.25	0.33	0.31	0.14	90°	–	0.13	1.36	1.49	0.19
3/4	1.36	–	0.25	0.33	0.31	0.14	90°	–	0.13	1.49	–	0.19
1	1.7		0.25	0.33	0.31	–	90°	–	0.13	1.83		0.19
1 1/4	1.95		0.25	0.33	0.31	–	90°	–	0.13	2.08		0.19
1 1/2	2.2		0.25	0.33	0.31	–	90°	–	0.13	2.33		0.19
2	2.83		0.25	0.42	0.31	–	90°	–	0.13	2.96		0.19
3	3.83		0.25	0.42	0.31	–	90°	–	0.13	3.96		0.19
4	4.83		0.25	0.42	0.31	–	90°	–	0.13	4.96		0.19

Compact cylinder DPCA, double-acting

Technical data

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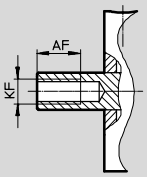
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[F] Internal thread



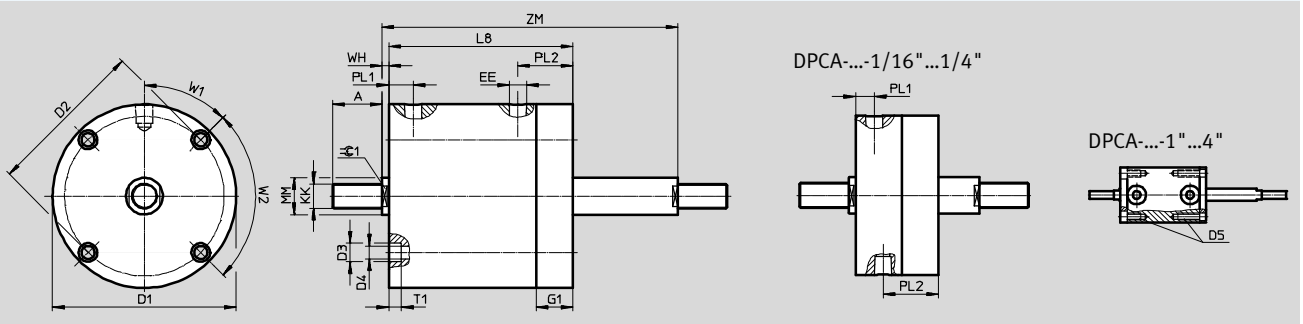
Stroke [in]	AF	AF [L4]	KF	[N]
1/16	0,25	–	M4	8-32 UNC-2B
1/8	0,25	0,25	M4	8-32 UNC-2B
1/4	0,25	0,38	M4	8-32 UNC-2B
3/8	0,38	0,38	M4	8-32 UNC-2B
1/2	0,38	0,38	M4	8-32 UNC-2B
5/8	0,38	0,38	M4	8-32 UNC-2B
3/4	0,38	–	M4	8-32 UNC-2B
1	0,38	0,38	M4	8-32 UNC-2B
1 1/4	0,38	0,38	M4	8-32 UNC-2B
1 1/2	0,38	0,38	M4	8-32 UNC-2B
2	0,38	0,38	M4	8-32 UNC-2B
3	0,38	0,38	M4	8-32 UNC-2B
4	0,38	0,38	M4	8-32 UNC-2B

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	KK	
								[N]			[N]
1/16	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
1/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
1/4	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
3/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
1/2	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
5/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
3/4	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
1	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
1 1/4	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
1 1/2	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
2	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
3	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
4	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌀1
1/16	0.87	0.25	0.33	0.33	0.14	90°	–	0.13	1.1925	0.19
1/8	0.87	0.25	0.33	0.33	0.14	90°	–	0.13	1.255	0.19
1/4	1	0.25	0.33	0.33	0.14	90°	–	0.13	1.51	0.19
3/8	1.12	0.25	0.33	0.33	0.14	90°	–	0.13	1.755	0.19
1/2	1.25	0.25	0.33	0.33	0.14	90°	–	0.13	2.01	0.19
5/8	1.37	0.25	0.33	0.33	0.14	90°	–	0.13	2.255	0.19
3/4	1.5	0.25	0.33	0.33	0.14	90°	–	0.13	2.51	0.19
1	1.75	0.25	0.33	0.33	–	90°	–	0.13	3.01	0.19
1 1/4	2	0.25	0.33	0.33	–	90°	–	0.13	3.51	0.19
1 1/2	2.25	0.25	0.33	0.33	–	90°	–	0.13	4.01	0.19
2	2.75	0.25	0.33	0.33	–	90°	–	0.13	5.01	0.19
3	3.75	0.25	0.33	0.33	–	90°	–	0.13	7.01	0.19
4	4.75	0.25	0.33	0.33	–	90°	–	0.13	9.01	0.19

Compact cylinder DPCA, double-acting

Technical data

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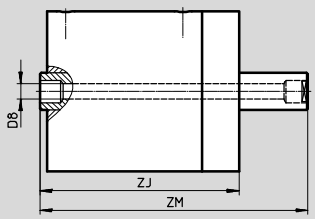
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/16	1/16	1	1.925
1/8	1/16	1	1.255
1/4	1/16	1.13	1.51
3/8	1/16	1.25	1.755
1/2	1/16	1.38	2.01
5/8	1/16	1.5	2.255
3/4	1/16	1.63	2.51
1	1/16	1.88	3.01
1 1/4	1/16	2.13	3.51
1 1/2	1/16	2.38	4.01
2	1/16	2.88	5.01
3	1/16	3.88	7.01
4	1/16	4.88	9.01

Compact cylinder DPCA, double-acting

Technical data

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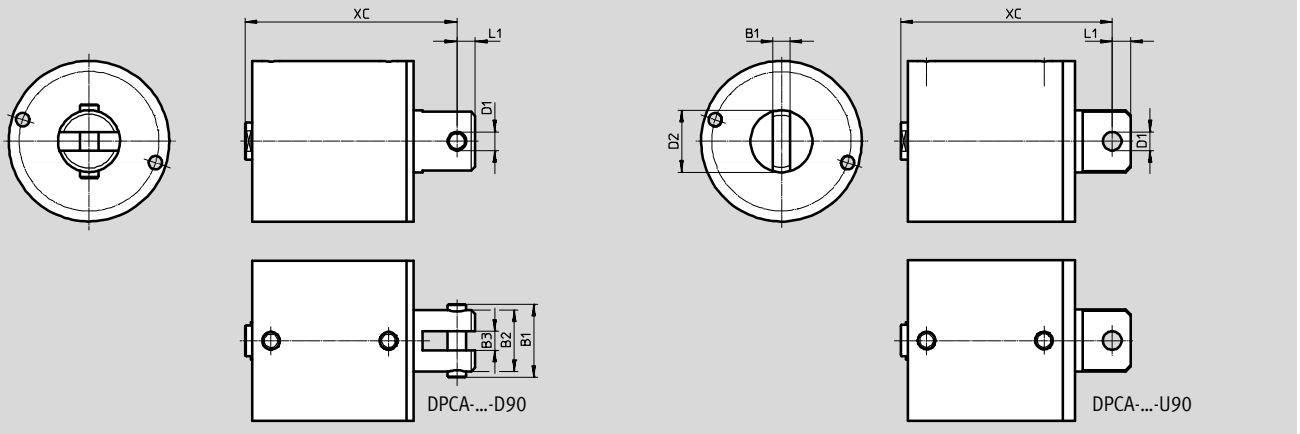
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis
[D90] With swivel clevis, rotated 90°
[U] With swiveling rod eye
[U90] With swiveling rod eye, rotated 90°



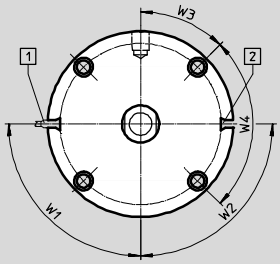
Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC	
	[D/D90]	[U/U90]			[D/D90]	[U/U90]				[L4]
1/16	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.27	–
1/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.27	1.4
1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.4	1.52
3/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.52	1.65
1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.65	1.8
5/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.8	1.93
3/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.93	–
1	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.27	
1 1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.52	
1 1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.77	
2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	3.4	
3	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	4.4	
4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	5.4	

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number	W1	W2	W3	W4
1/4	2	60°	60°	90°	–
3/8	2	60°	60°	90°	–
1/2	2	60°	60°	90°	–
5/8	2	60°	60°	90°	–
3/4	2	60°	60°	90°	–
1	2	60°	60°	90°	–
1 1/4	2	60°	60°	90°	–
1 1/2	2	60°	60°	90°	–
2	1	60°	–	90°	–
3	1	60°	–	90°	–
4	1	60°	–	90°	–

Compact cylinder DPCA, double-acting

Technical data

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Dimensions – Piston diameter 3/4

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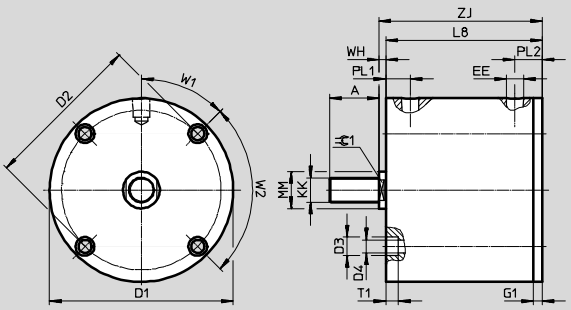
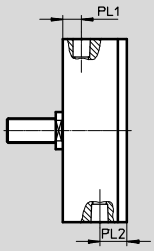
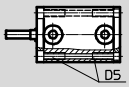


DPCA-...-1/16"...3/8"
DPCA-...-L4-...-1/8"...1/4"
DPCA-...-Q-...-1/8"...1/4"
DPCA-...-Q-L4-...-1/8"...1/4"



DPCA-...-1"...4"
DPCA-...-L4-...-1"...4"
DPCA-...-Q-...-1"...4"
DPCA-...-Q-L4-...-1"...4"



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	KK	
								[N]			[N]
1/16	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.13	M5	10-32 UNF-2A
1/8	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.13	M5	10-32 UNF-2A
1/4	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.13	M5	10-32 UNF-2A
3/8	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.13	M5	10-32 UNF-2A
1/2	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.13	M5	10-32 UNF-2A
5/8	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.13	M5	10-32 UNF-2A
3/4	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.13	M5	10-32 UNF-2A
1	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
1 1/4	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
1 1/2	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
2	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
3	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
4	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A

Stroke [in]	L8				MM ∅	PL1	PL2	T1	W1	W2	WH	ZJ				⌀C1
		[L4]	[Q]	[Q-L4]									[L4]	[Q]	[Q-L4]	
1/16	0.7	–	–	–	0.31	0.33	0.31	0.14	90°	–	0.13	0.83	–	–	–	0.25
1/8	0.7	0.83	0.83	0.83	0.31	0.33	0.31	0.14	90°	–	0.13	0.83	0.96	0.96	0.96	0.25
1/4	0.83	0.95	0.95	0.95	0.31	0.33	0.31	0.14	90°	–	0.13	0.96	1.08	1.08	1.08	0.25
3/8	0.95	1.08	1.08	1.08	0.31	0.33	0.31	0.14	90°	–	0.13	1.08	1.21	1.21	1.21	0.25
1/2	1.08	1.23	1.23	1.23	0.31	0.33	0.31	0.14	90°	–	0.13	1.21	1.36	1.36	1.36	0.25
5/8	1.23	1.36	1.36	1.36	0.31	0.33	0.31	0.14	90°	–	0.13	1.36	1.49	1.49	1.49	0.25
3/4	1.36	–	–	–	0.31	0.33	0.31	0.14	90°	–	0.13	1.49	–	–	–	0.25
1	1.7				0.31	0.33	0.31	–	90°	–	0.13	1.83				0.25
1 1/4	1.95				0.31	0.33	0.31	–	90°	–	0.13	2.08				0.25
1 1/2	2.2				0.31	0.33	0.31	–	90°	–	0.13	2.33				0.25
2	2.83				0.31	0.42	0.31	–	90°	–	0.13	2.96				0.25
3	3.83				0.31	0.42	0.31	–	90°	–	0.13	3.96				0.25
4	4.83				0.31	0.42	0.31	–	90°	–	0.13	4.96				0.25

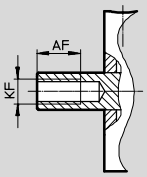
Compact cylinder DPCA, double-acting

Technical data

FESTO

Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[F] Internal thread



Stroke [in]	AF	AF [L4]	AF [Q]	AF [Q-L4]	KF	[N]
1/16	0,25	–	–	–	M5	10-32 UNF-2B
1/8	0,25	0,25	0,25	0,25	M5	10-32 UNF-2B
1/4	0,25	0,38	0,38	0,38	M5	10-32 UNF-2B
3/8	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
1/2	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
5/8	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
3/4	0,38	–	–	–	M5	10-32 UNF-2B
1	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
1 1/4	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
1 1/2	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
2	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
3	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B
4	0,38	0,38	0,38	0,38	M5	10-32 UNF-2B

Compact cylinder DPCA, double-acting

Technical data

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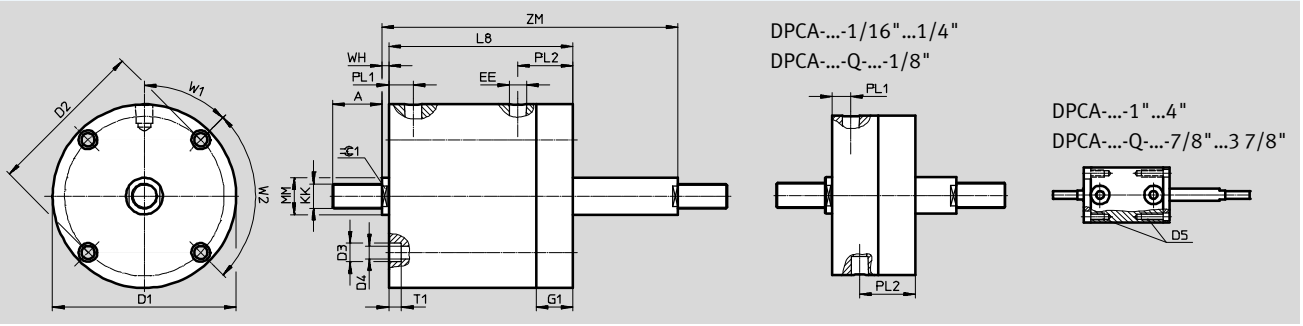
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅		D4 ∅		D5		EE		G1	KK	
					[Q]		[Q]		[Q]		[N]			[N]
1/16	0.5	1.5	1.19	0.23	–	0.14	–	–	–	M5	10-32	0.14	M5	10-32 UNF-2A
1/8	0.5	1.5	1.19	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.14	M5	10-32 UNF-2A
1/4	0.5	1.5	1.19	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.14	M5	10-32 UNF-2A
3/8	0.5	1.5	1.19	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.14	M5	10-32 UNF-2A
1/2	0.5	1.5	1.19	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.14	M5	10-32 UNF-2A
5/8	0.5	1.5	1.19	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.14	M5	10-32 UNF-2A
3/4	0.5	1.5	1.19	0.23	–	0.14	–	–	–	M5	10-32	0.14	M5	10-32 UNF-2A
7/8	0.5	1.5	1.19	–	–	–	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
1	0.5	1.5	1.19	–	–	–	–	8-32x0.44	–	M5	10-32	0.14	M5	10-32 UNF-2A
1 1/8	0.5	1.5	1.19	–	–	–	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
1 1/4	0.5	1.5	1.19	–	–	–	–	8-32x0.44	–	M5	10-32	0.14	M5	10-32 UNF-2A
1 3/8	0.5	1.5	1.19	–	–	–	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
1 1/2	0.5	1.5	1.19	–	–	–	–	8-32x0.44	–	M5	10-32	0.14	M5	10-32 UNF-2A
1 7/8	0.5	1.5	1.19	–	–	–	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
2	0.5	1.5	1.19	–	–	–	–	8-32x0.44	–	M5	10-32	0.14	M5	10-32 UNF-2A
2 7/8	0.5	1.5	1.19	–	–	–	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
3	0.5	1.5	1.19	–	–	–	–	8-32x0.44	–	M5	10-32	0.14	M5	10-32 UNF-2A
3 7/8	0.5	1.5	1.19	–	–	–	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
4	0.5	1.5	1.19	–	–	–	–	8-32x0.44	–	M5	10-32	0.14	M5	10-32 UNF-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1		W1	W2	WH	ZM		⫷ 1
		[Q]					[Q]					[Q]	
1/16	0.87	–	0.31	0.33	0.33	0.14	–	90°	–	0.13	1.1925	–	0.25
1/8	0.87	1	0.31	0.33	0.33	0.14	0.14	90°	–	0.13	1.255	1.385	0.25
1/4	1	1.12	0.31	0.33	0.33	0.14	0.14	90°	–	0.13	1.51	1.63	0.25
3/8	1.12	1.25	0.31	0.33	0.33	0.14	0.14	90°	–	0.13	1.755	1.885	0.25
1/2	1.25	1.37	0.31	0.33	0.33	0.14	0.14	90°	–	0.13	2.01	2.13	0.25
5/8	1.37	1.5	0.31	0.33	0.33	0.14	0.14	90°	–	0.13	2.255	2.385	0.25
3/4	1.5	–	0.31	0.33	0.33	0.14	–	90°	–	0.13	2.51	–	0.25
7/8	–	1.75	0.31	0.33	0.33	–	–	90°	–	0.13	–	2.885	0.25
1	1.75	–	0.31	0.33	0.33	–	–	90°	–	0.13	3.01	–	0.25
1 1/8	–	2	0.31	0.33	0.33	–	–	90°	–	0.13	–	3.385	0.25
1 1/4	2	–	0.31	0.33	0.33	–	–	90°	–	0.13	3.51	–	0.25
1 3/8	–	2.25	0.31	0.33	0.33	–	–	90°	–	0.13	–	3.885	0.25
1 1/2	2.25	–	0.31	0.33	0.33	–	–	90°	–	0.13	4.01	–	0.25
1 7/8	–	2.75	0.31	0.33	0.33	–	–	90°	–	0.13	–	4.885	0.25
2	2.75	–	0.31	0.33	0.33	–	–	90°	–	0.13	5.01	–	0.25
2 7/8	–	3.75	0.31	0.33	0.33	–	–	90°	–	0.13	–	6.885	0.25
3	3.75	–	0.31	0.33	0.33	–	–	90°	–	0.13	7.01	–	0.25
3 7/8	–	4.75	0.31	0.33	0.33	–	–	90°	–	0.13	–	8.885	0.25
4	4.75	–	0.31	0.33	0.33	–	–	90°	–	0.13	9.01	–	0.25

Compact cylinder DPCA, double-acting

Technical data

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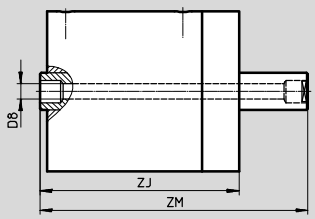
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



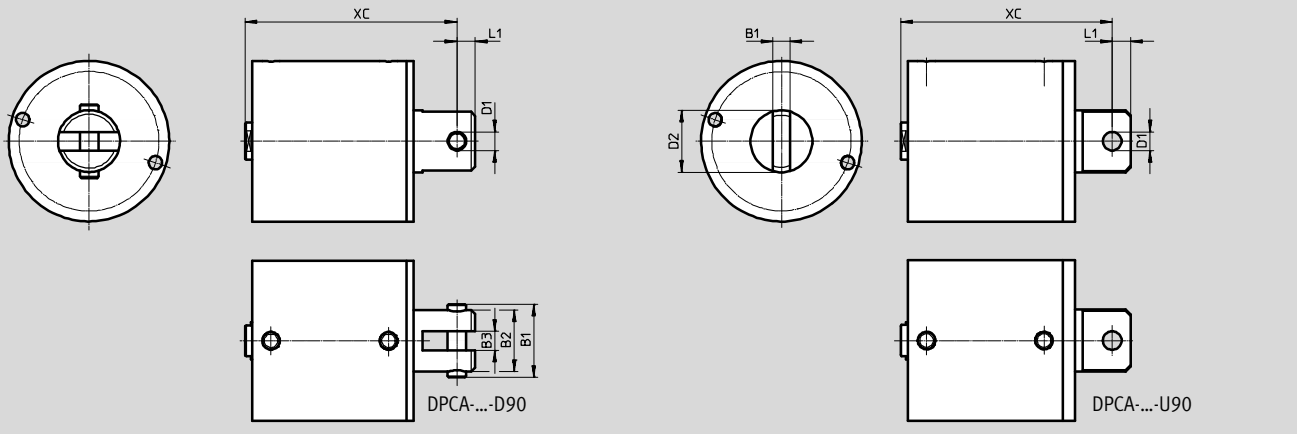
Stroke [in]	D8 ∅	ZJ		ZM	
			[Q]		[Q]
1/16	1/16	1	–	1.1925	–
1/8	1/16	1	1.13	1.255	1.385
1/4	1/16	1.13	1.25	1.51	1.63
3/8	1/16	1.25	1.38	1.755	1.885
1/2	1/16	1.38	1.5	2.01	2.13
5/8	1/16	1.5	1.63	2.255	2.385
3/4	1/16	1.63	–	2.51	–
7/8	1/16	–	1.88	–	2.885
1	1/16	1.88	–	3.01	–
1 1/8	1/16	–	2.13	–	3.385
1 1/4	1/16	2.13	–	3.51	–
1 3/8	1/16	–	2.38	–	3.885
1 1/2	1/16	2.38	–	4.01	–
1 7/8	1/16	–	2.88	–	4.885
2	1/16	2.88	–	5.01	–
2 7/8	1/16	–	3.88	–	6.885
3	1/16	3.88	–	7.01	–
3 7/8	1/16	–	4.88	–	8.885
4	1/16	4.88	–	9.01	–

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis
[D90] With swivel clevis, rotated 90°
[U] With swiveling rod eye
[U90] With swiveling rod eye, rotated 90°



Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC	
	[D/D90]	[U/U90]			[D/D90]	[U/U90]				[Q/L4]
1/16	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.27	–
1/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.27	1.4
1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.4	1.52
3/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.52	1.65
1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.65	1.8
5/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.8	1.93
3/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.93	–
1	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.27	
1 1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.52	
1 1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.77	
2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	3.4	
3	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	4.4	
4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	5.4	

Compact cylinder DPCA, double-acting

Technical data

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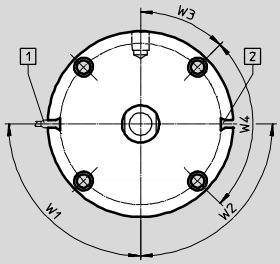
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



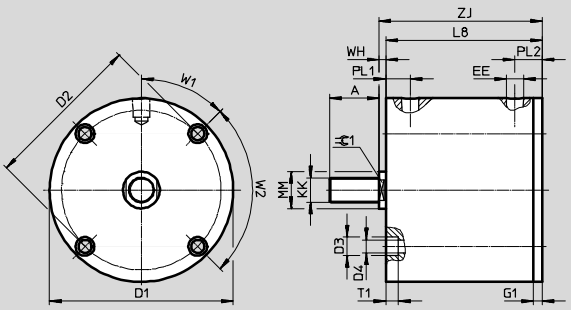
1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number	W1	W2	W3	W4
1/4	2	65°	65°	90°	–
3/8	2	65°	65°	90°	–
1/2	2	65°	65°	90°	–
5/8	2	65°	65°	90°	–
3/4	2	65°	65°	90°	–
1	2	65°	65°	90°	–
1 1/4	2	65°	65°	90°	–
1 1/2	2	65°	65°	90°	–
2	1	65°	–	90°	–
3	1	65°	–	90°	–
4	1	65°	–	90°	–

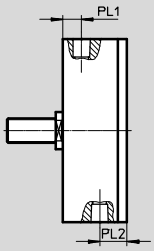
Compact cylinder DPCA, double-acting

Technical data

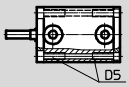
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**



DPCA-...-1/16"...3/8"
DPCA-...-L4-...-1/8"...1/4"
DPCA-...-Q-...-1/8"...1/4"
DPCA-...-Q-L4-...-1/8"...1/4"



DPCA-...-3"...4"
DPCA-...-L4-...-2 7/8"...3 7/8"
DPCA-...-Q-...-3"...4"
DPCA-...-Q-L4-...-2 7/8"...3 7/8"



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	KK	
								[N]			[N]
1/16	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
3/16	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
3/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
5/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
3/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
7/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1 1/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1 1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1 3/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1 1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1 5/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1 3/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
1 7/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
2 7/8	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
3	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
3 7/8	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A
4	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	M8	5/16-24 UNF-2A

Compact cylinder DPCA, double-acting

Technical data

Stroke [in]	L8				MM ∅	PL1				PL2			
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		[L4]	[Q]	[Q-L4]
1/16	–	0.88	–	0.88	0.5	–	0.31	–	0.31	–	0.57	–	0.57
1/8	0.88	0.88	0.88	0.88	0.5	0.31	0.31	0.31	0.31	0.57	0.57	0.57	0.57
3/16	0.88	–	0.88	–	0.5	0.31	–	0.31	–	0.57	–	0.57	–
1/4	0.88	–	0.88	–	0.5	0.31	–	0.31	–	0.57	–	0.57	–
3/8	–	1.19	–	1.19	0.5	–	0.53	–	0.53	–	0.66	–	0.66
1/2	1.19	–	1.19	–	0.5	0.53	–	0.53	–	0.66	–	0.66	–
5/8	–	1.63	–	1.63	0.5	–	0.38	–	0.38	–	0.5	–	0.5
3/4	1.63	–	1.63	–	0.5	0.38	–	0.38	–	0.5	–	0.5	–
7/8	–	1.88	–	1.88	0.5	–	0.38	–	0.38	–	0.5	–	0.5
1	1.88	–	1.88	–	0.5	0.38	–	0.38	–	0.5	–	0.5	–
1 1/8	–	2.13	–	2.13	0.5	–	0.38	–	0.38	–	0.5	–	0.5
1 1/4	2.13	–	2.13	–	0.5	0.38	–	0.38	–	0.5	–	0.5	–
1 3/8	–	2.38	–	2.38	0.5	–	0.38	–	0.38	–	0.5	–	0.5
1 1/2	2.38	–	2.38	–	0.5	0.38	–	0.38	–	0.5	–	0.5	–
1 5/8	–	2.81	–	2.81	0.5	–	0.56	–	0.56	–	0.5	–	0.5
1 3/4	2.81	–	2.81	–	0.5	0.56	–	0.56	–	0.5	–	0.5	–
1 7/8	–	3.25	–	3.25	0.5	–	0.75	–	0.75	–	0.5	–	0.5
2	3.25	–	3.25	–	0.5	0.75	–	0.75	–	0.5	–	0.5	–
2 7/8	–	3.85	–	3.85	0.5	–	0.38	–	0.38	–	0.5	–	0.5
3	3.85	–	3.85	–	0.5	0.38	–	0.38	–	0.5	–	0.5	–
3 7/8	–	4.85	–	4.85	0.5	–	0.38	–	0.38	–	0.5	–	0.5
4	4.85	–	4.85	–	0.5	0.38	–	0.38	–	0.5	–	0.5	–

Stroke [in]	T1	W1	W2	WH	ZJ				⌯ 1
						[L4]	[Q]	[Q-L4]	
1/16	0.19	90°	–	0.14	–	1.02	–	1.02	0.44
1/8	0.19	90°	–	0.14	1.02	1.02	1.02	1.02	0.44
3/16	0.19	90°	–	0.14	1.02	–	1.02	–	0.44
1/4	0.19	90°	–	0.14	1.02	–	1.02	–	0.44
3/8	0.19	90°	–	0.14	–	1.33	–	1.33	0.44
1/2	0.19	90°	–	0.14	1.33	–	1.33	–	0.44
5/8	0.19	90°	–	0.14	–	1.77	–	1.77	0.44
3/4	0.19	90°	–	0.14	1.77	–	1.77	–	0.44
7/8	0.19	90°	–	0.14	–	2.02	–	2.02	0.44
1	0.19	90°	–	0.14	2.02	–	2.02	–	0.44
1 1/8	0.19	90°	–	0.14	–	2.27	–	2.27	0.44
1 1/4	0.19	90°	–	0.14	2.27	–	2.27	–	0.44
1 3/8	0.19	90°	–	0.14	–	2.52	–	2.52	0.44
1 1/2	0.19	90°	–	0.14	2.52	–	2.52	–	0.44
1 5/8	0.19	90°	–	0.14	–	2.95	–	2.95	0.44
1 3/4	0.19	90°	–	0.14	2.95	–	2.95	–	0.44
1 7/8	0.19	90°	–	0.14	–	3.39	–	3.39	0.44
2	0.19	90°	–	0.14	3.39	–	3.39	–	0.44
2 7/8	–	90°	–	0.14	–	3.99	–	3.99	0.44
3	–	90°	–	0.14	3.99	–	3.99	–	0.44
3 7/8	–	90°	–	0.14	–	4.99	–	4.99	0.44
4	–	90°	–	0.14	4.99	–	4.99	–	0.44

Compact cylinder DPCA, double-acting

Technical data

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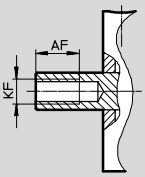
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[F] Internal thread



Stroke [in]	AF	AF [L4]	AF [Q]	AF [Q-L4]	KF	[N]
1/16	–	0,38	–	0,38	M8	5/16-24 UNF-2B
1/8	0,38	0,38	0,38	0,38	M8	5/16-24 UNF-2B
3/16	0,38	–	0,38	–	M8	5/16-24 UNF-2B
1/4	0,38	–	0,38	–	M8	5/16-24 UNF-2B
3/8	–	0,38	–	0,38	M8	5/16-24 UNF-2B
1/2	0,38	–	0,38	–	M8	5/16-24 UNF-2B
5/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
3/4	0,63	–	0,63	–	M8	5/16-24 UNF-2B
7/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
1	0,63	–	0,63	–	M8	5/16-24 UNF-2B
1 1/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
1 1/4	0,63	–	0,63	–	M8	5/16-24 UNF-2B
1 3/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
1 1/2	0,63	–	0,63	–	M8	5/16-24 UNF-2B
1 5/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
1 3/4	0,63	–	0,63	–	M8	5/16-24 UNF-2B
1 7/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
2	0,63	–	0,63	–	M8	5/16-24 UNF-2B
2 7/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
3	0,63	–	0,63	–	M8	5/16-24 UNF-2B
3 7/8	–	0,63	–	0,63	M8	5/16-24 UNF-2B
4	0,63	–	0,63	–	M8	5/16-24 UNF-2B

Compact cylinder DPCA, double-acting

Technical data

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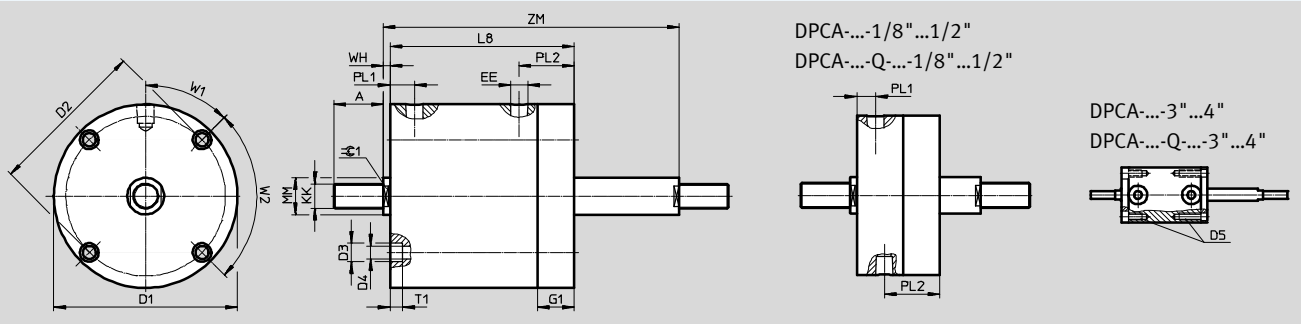
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	KK	
								[N]			[N]
1/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
3/16	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
3/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
1	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
1 1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
1 1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
1 3/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
3	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A
4	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.47	M8	5/16-24 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌀1
1/8	1.22	0.5	0.31	0.91	0.18	90°	–	0.14	1.625	0.44
3/16	1.22	0.5	0.31	0.91	0.18	90°	–	0.14	1.6875	0.44
1/4	1.22	0.5	0.31	0.91	0.18	90°	–	0.14	1.75	0.44
1/2	1.53	0.5	0.53	1	0.18	90°	–	0.14	2.31	0.44
3/4	1.97	0.5	0.38	0.84	0.18	90°	–	0.14	3	0.44
1	2.22	0.5	0.38	0.84	0.18	90°	–	0.14	3.5	0.44
1 1/4	2.47	0.5	0.38	0.84	0.18	90°	–	0.14	4	0.44
1 1/2	2.72	0.5	0.38	0.84	0.18	90°	–	0.14	4.5	0.44
1 3/4	3.16	0.5	0.56	0.85	0.18	90°	–	0.14	5.19	0.44
2	3.6	0.5	0.75	0.85	0.18	90°	–	0.14	5.88	0.44
3	4.19	0.5	0.38	0.84	–	90°	–	0.14	7.47	0.44
4	5.19	0.5	0.38	0.84	–	90°	–	0.14	9.47	0.44

Compact cylinder DPCA, double-acting

Technical data

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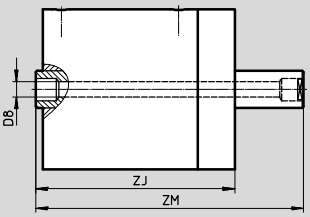
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	5/32	1.36	1.625
3/16	5/32	1.36	1.6875
1/4	5/32	1.36	1.75
1/2	5/32	1.67	2.31
3/4	5/32	2.11	3
1	5/32	2.36	3.5
1 1/4	5/32	2.61	4
1 1/2	5/32	2.86	4.5
1 3/4	5/32	3.3	5.19
2	5/32	3.74	5.88
3	5/32	4.33	7.47
4	5/32	5.33	9.47

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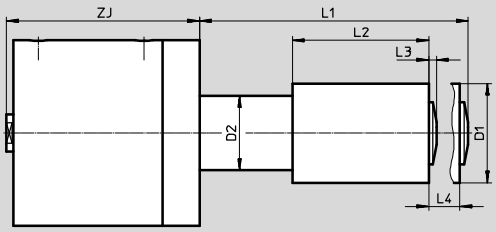
[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	1.5	1.13	1.4	0.63	0.14	0.5	1.36
3/16	1.5	1.13	1.53	0.69	0.15	0.5	1.36
1/4	1.5	1.13	1.66	0.75	0.16	0.5	1.36
1/2	1.5	1.13	2.16	1	0.16	0.5	1.67
3/4	1.5	1.13	2.66	1.25	0.16	0.5	2.11
1	1.5	1.13	3.16	1.5	0.16	0.5	2.36
1 1/4	1.5	1.13	3.66	1.75	0.16	0.5	2.61
1 1/2	1.5	1.13	4.16	2	0.16	0.5	2.86
1 3/4	1.5	1.13	4.66	2.25	0.16	0.5	3.3
2	1.5	1.13	5.16	2.5	0.16	0.5	3.74
3	1.5	1.13	7.16	3.5	0.16	0.5	4.33
4	1.5	1.13	9.16	4.5	0.16	0.5	5.33

Compact cylinder DPCA, double-acting

Technical data

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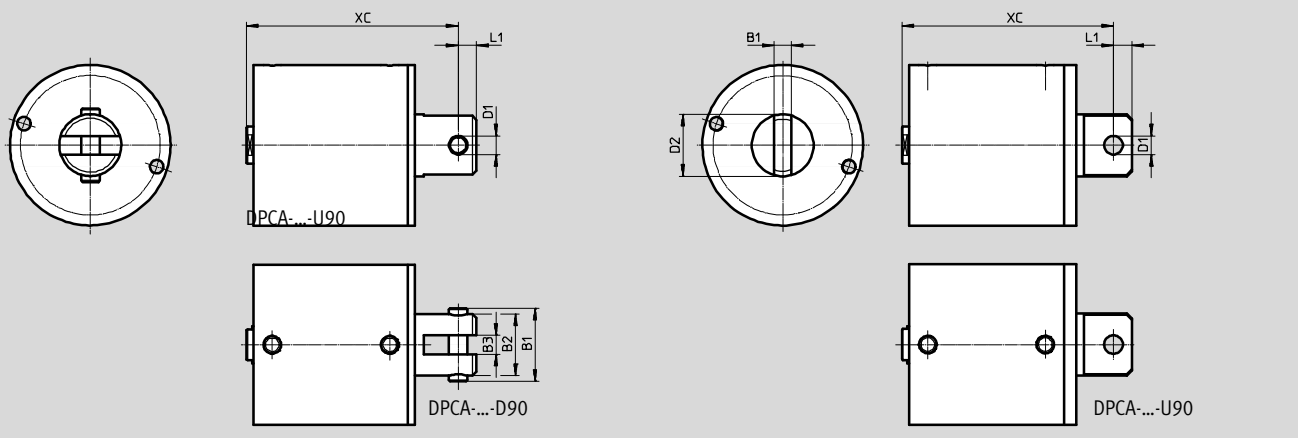
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis
[D90] With swivel clevis, rotated 90°
[U] With swiveling rod eye
[U90] With swiveling rod eye, rotated 90°



Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]				[L4]	[Q]	[Q-L4]
1/16	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	1.83	–	1.83
1/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	1.83	1.83	1.83	1.83
3/16	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	1.83	–	1.83	–
1/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	1.83	–	1.83	–
3/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	2.14	–	2.14
1/2	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	2.14	–	2.14	–
5/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	2.58	–	2.58
3/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	2.58	–	2.58	–
7/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	2.83	–	2.83
1	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	2.83	–	2.83	–
1 1/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	3.08	–	3.08
1 1/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	3.08	–	3.08	–
1 3/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	3.33	–	3.33
1 1/2	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	3.33	–	3.33	–
1 5/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	3.76	–	3.76
1 3/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	3.76	–	3.76	–
1 7/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	4.2	–	4.2
2	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	4.2	–	4.2	–
2 7/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	4.8	–	4.8
3	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	4.8	–	4.8	–
3 7/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	5.8	–	5.8
4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	5.8	–	5.8	–

Compact cylinder DPCA, double-acting

Technical data

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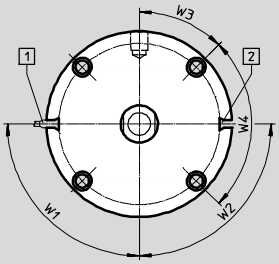
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number				W1	W2				W3	W4
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		
3/8	–	2	–	–	40°	–	40°	–	–	90°	–
1/2	2	–	–	–	40°	40°	–	–	–	90°	–
5/8	–	2	–	2	40°	–	40°	–	40°	90°	–
3/4	2	–	2	–	40°	40°	–	40°	–	90°	–
7/8	–	2	–	2	40°	–	40°	–	40°	90°	–
1	2	–	2	–	40°	40°	–	40°	–	90°	–
1 1/8	–	1	–	2	40°	–	–	–	40°	90°	–
1 1/4	2	–	2	–	40°	40°	–	40°	–	90°	–
1 3/8	–	1	–	2	40°	–	–	–	40°	90°	–
1 1/2	1	–	1	–	40°	–	–	–	–	90°	–
1 5/8	–	1	–	1	40°	–	–	–	–	90°	–
1 3/4	1	–	1	–	40°	–	–	–	–	90°	–
1 7/8	–	1	–	1	40°	–	–	–	–	90°	–
2	1	–	1	–	40°	–	–	–	–	90°	–
2 7/8	–	1	–	1	40°	–	–	–	–	90°	–
3	1	–	1	–	40°	–	–	–	–	90°	–
3 7/8	–	1	–	1	40°	–	–	–	–	90°	–
4	1	–	1	–	40°	–	–	–	–	90°	–

Compact cylinder DPCA, double-acting

Technical data

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Dimensions – Piston diameter 1 5/8

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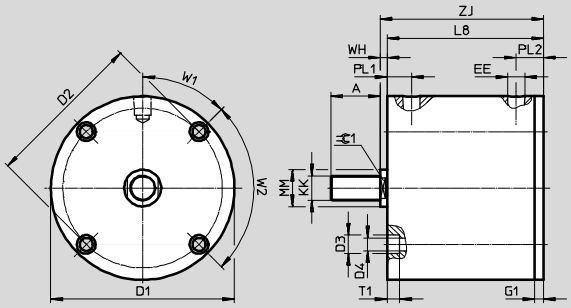
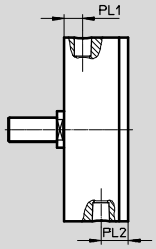


DPCA-...-1/8"...1/4"
DPCA-...-Q-...-1/8"...1/4"



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1				KK	
							[N]		[L4]	[Q]	[Q-L4]		[N]
1/8	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	0.25	–	M10	3/8-24 UNF-2A
1/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.13	0.25	0.25	M10	3/8-24 UNF-2A
1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.13	0.25	0.25	M10	3/8-24 UNF-2A
3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.13	0.25	0.25	M10	3/8-24 UNF-2A
1	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	0.25	–	M10	3/8-24 UNF-2A
1 1/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	–	0.13	–	0.25	M10	3/8-24 UNF-2A
1 1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	0.25	–	M10	3/8-24 UNF-2A
1 3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	–	0.13	–	0.25	M10	3/8-24 UNF-2A
2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	0.25	–	M10	3/8-24 UNF-2A
2 3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	–	0.13	–	0.25	M10	3/8-24 UNF-2A
3	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	0.25	–	M10	3/8-24 UNF-2A
3 3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	–	0.13	–	0.25	M10	3/8-24 UNF-2A
4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	0.25	–	M10	3/8-24 UNF-2A

Stroke [in]	L8				MM ∅	PL1				PL2			
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		[L4]	[Q]	[Q-L4]
1/8	1	–	1.13	–	0.62	0.5	–	0.5	–	0.5	–	0.63	–
1/4	1.13	1.63	1.26	1.76	0.62	0.5	0.38	0.5	0.38	0.63	0.5	0.63	0.63
1/2	1.68	1.88	1.76	2.01	0.62	0.38	0.38	0.38	0.38	0.5	0.45	0.63	0.58
3/4	1.88	2.19	2.01	2.32	0.62	0.38	0.38	0.38	0.38	0.5	0.5	0.63	0.63
1	2.19	–	2.32	–	0.62	0.38	–	0.38	–	0.5	–	0.63	–
1 1/4	–	2.69	–	2.82	0.62	–	0.38	–	0.38	–	0.5	–	0.63
1 1/2	2.69	–	2.82	–	0.62	0.38	–	0.38	–	0.5	–	0.63	–
1 3/4	–	3.19	–	3.32	0.62	–	0.38	–	0.38	–	0.5	–	0.63
2	3.19	–	3.32	–	0.62	0.38	–	0.38	–	0.5	–	0.63	–
2 3/4	–	4.19	–	4.32	0.62	–	0.38	–	0.38	–	0.5	–	0.63
3	4.19	–	4.32	–	0.62	0.38	–	0.38	–	0.5	–	0.63	–
3 3/4	–	5.19	–	5.32	0.62	–	0.38	–	0.38	–	0.5	–	0.63
4	5.19	–	5.32	–	0.62	0.38	–	0.38	–	0.5	–	0.63	–

Compact cylinder DPCA, double-acting

Technical data

Stroke [in]	T1	W1	W2	WH	ZJ				⫷1
						[L4]	[Q]	[Q-L4]	
1/8	0.19	90°	–	0.14	1.14	–	1.27	–	0.5
1/4	0.19	90°	–	0.14	1.27	1.77	1.4	1.9	0.5
1/2	0.19	90°	–	0.14	1.77	2.02	1.9	2.15	0.5
3/4	0.19	90°	–	0.14	2.02	2.33	2.15	2.46	0.5
1	0.19	90°	–	0.14	2.33	–	2.46	–	0.5
1 1/4	0.19	90°	–	0.14	–	2.83	–	2.96	0.5
1 1/2	0.19	90°	–	0.14	2.83	–	2.96	–	0.5
1 3/4	0.19	90°	–	0.14	–	3.33	–	3.46	0.5
2	0.19	90°	–	0.14	3.33	–	3.46	–	0.5
2 3/4	0.19	90°	–	0.14	–	4.33	–	4.46	0.5
3	0.19	90°	–	0.14	4.33	–	4.46	–	0.5
3 3/4	0.19	90°	–	0.14	–	5.33	–	5.46	0.5
4	0.19	90°	–	0.14	5.33	–	5.46	–	0.5

Dimensions – Piston diameter 1 5/8

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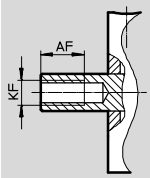
[F] Internal thread



Stroke [in]	AF	AF	AF	AF	KF	
		[L4]	[Q]	[Q-L4]		[N]
1/8	0,38	–	0,38	–	M10	3/8-24 UNF-2B
1/4	0,44	0,63	0,44	0,63	M10	3/8-24 UNF-2B
1/2	0,63	0,63	0,63	0,63	M10	3/8-24 UNF-2B
3/4	0,63	0,75	0,63	0,75	M10	3/8-24 UNF-2B
1	0,75	–	0,75	–	M10	3/8-24 UNF-2B
1 1/4	–	0,75	–	0,75	M10	3/8-24 UNF-2B
1 1/2	0,75	–	0,75	–	M10	3/8-24 UNF-2B
1 3/4	–	0,75	–	0,75	M10	3/8-24 UNF-2B
2	0,75	–	0,75	–	M10	3/8-24 UNF-2B
2 3/4	–	0,75	–	0,75	M10	3/8-24 UNF-2B
3	0,75	–	0,75	–	M10	3/8-24 UNF-2B
3 3/4	–	0,75	–	0,75	M10	3/8-24 UNF-2B
4	0,75	–	0,75	–	M10	3/8-24 UNF-2B

Compact cylinder DPCA, double-acting

Technical data

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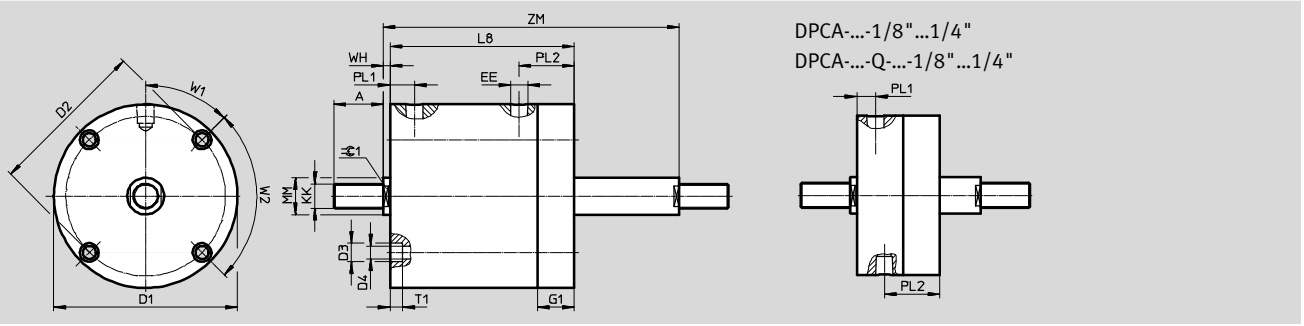
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/8	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
1/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
1	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
1 1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
3	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A
4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	M10	3/8-24 UNF-2A

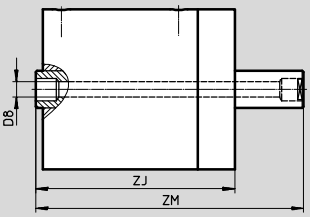
Stroke [in]	L8	MM ∅		PL1	PL2	T1	W1	W2	WH	ZM	⫧ 1
			[Q]								
1/8	1.47	0.62	0.5	0.5	0.97	0.19	90°	–	0.14	1.875	0.5
1/4	1.6	0.62	0.5	0.5	1.1	0.19	90°	–	0.14	2.13	0.5
1/2	2.1	0.62	0.5	0.38	0.97	0.19	90°	–	0.14	2.88	0.5
3/4	2.35	0.62	0.5	0.38	0.97	0.19	90°	–	0.14	3.38	0.5
1	2.66	0.62	0.5	0.38	0.97	0.19	90°	–	0.14	3.94	0.5
1 1/2	3.16	0.62	0.5	0.38	0.97	0.19	90°	–	0.14	4.94	0.5
2	3.66	0.62	0.5	0.38	0.97	0.19	90°	–	0.14	5.94	0.5
3	4.66	0.62	0.5	0.38	0.97	0.19	90°	–	0.14	7.94	0.5
4	5.66	0.62	0.5	0.38	0.97	0.19	90°	–	0.14	9.94	0.5

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

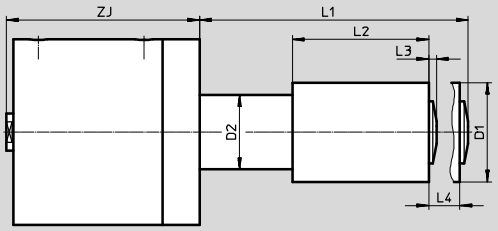
[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	1/4	1.61	1.875
1/4	1/4	1.74	2.13
1/2	1/4	2.24	2.88
3/4	1/4	2.49	3.38
1	1/4	2.8	3.94
1 1/2	1/4	3.3	4.94
2	1/4	3.8	5.94
3	1/4	4.8	7.94
4	1/4	5.8	9.94

Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.4	0.63	0.14	0.5	1.61
1/4	2	1.5	1.66	0.75	0.16	0.5	1.74
1/2	2	1.5	2.16	1	0.16	0.5	2.24
3/4	2	1.5	2.66	1.25	0.16	0.5	2.49
1	2	1.5	3.16	1.5	0.16	0.5	2.8
1 1/2	2	1.5	4.16	2	0.16	0.5	3.3
2	2	1.5	5.16	2.5	0.16	0.5	3.8
3	2	1.5	7.16	3.5	0.16	0.5	4.8
4	2	1.5	9.16	4.5	0.16	0.5	5.8

Compact cylinder DPCA, double-acting

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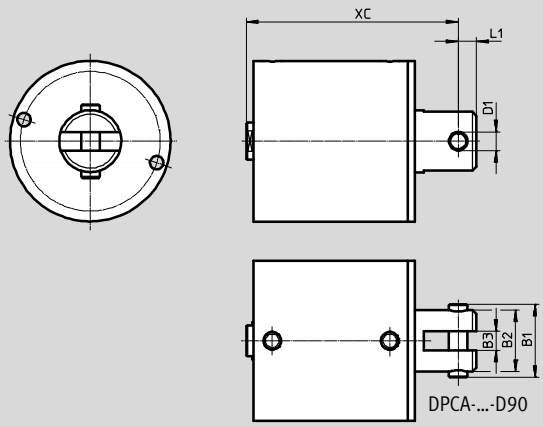
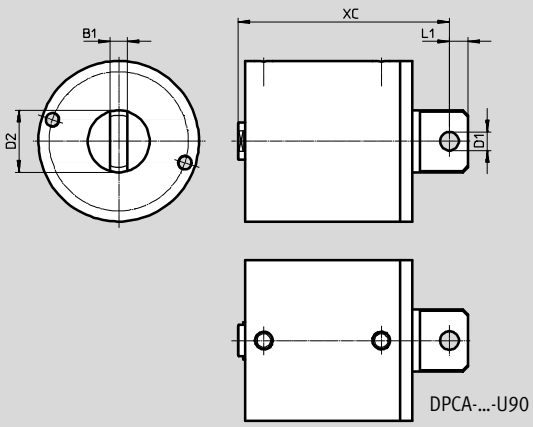
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis
[D90] With swivel clevis, rotated 90°
[U] With swiveling rod eye
[U90] With swiveling rod eye, rotated 90°



DPCA-...-D90



DPCA-...-U90

Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]				[L4]	[Q]	[Q-L4]
1/8	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.02	–	2.02	–
1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.15	2.65	2.15	2.65
1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.65	2.9	2.65	2.9
3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.9	3.21	2.9	3.21
1	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	3.21	–	3.21	–
1 1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	3.71	–	3.71
1 1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	3.71	–	3.71	–
1 3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	4.21	–	4.21
2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	4.21	–	4.21	–
2 3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	5.21	–	5.21
3	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	5.21	–	5.21	–
3 3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	6.21	–	6.21
4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	6.21	–	6.21	–

Compact cylinder DPCA, double-acting

Technical data

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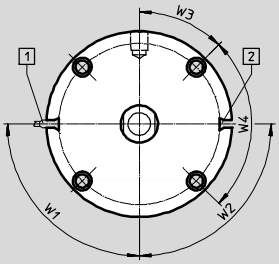
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



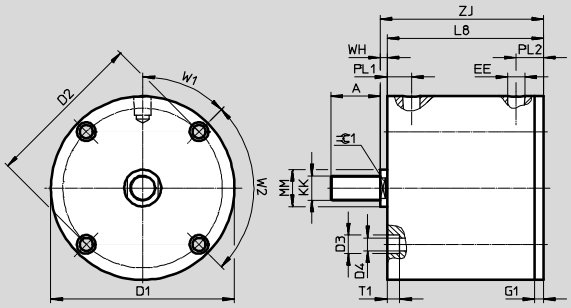
1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number				W1	W2				W3	W4
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		
1/4	2	2	2	2	45°	45°	45°	45°	45°	90°	–
1/2	2	2	2	2	45°	45°	45°	45°	45°	90°	–
3/4	2	2	2	2	45°	45°	45°	45°	45°	90°	–
1	2	–	2	–	45°	45°	–	45°	–	90°	–
1 1/4	–	1	–	1	45°	–	–	–	–	90°	–
1 1/2	1	–	1	–	45°	–	–	–	–	90°	–
1 3/4	–	1	–	1	45°	–	–	–	–	90°	–
2	1	–	1	–	45°	–	–	–	–	90°	–
2 3/4	–	1	–	1	45°	–	–	–	–	90°	–
3	1	–	1	–	45°	–	–	–	–	90°	–
3 3/4	–	1	–	1	45°	–	–	–	–	90°	–
4	1	–	1	–	45°	–	–	–	–	90°	–

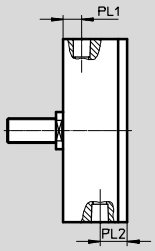
Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**



DPCA-...-1/8"...3/8"
DPCA-...-L4-...-1/8"
DPCA-...-Q-...-1/8"...3/8"
DPCA-...-Q-L4-...-1/8"



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1				KK	
							[N]		[L4]	[Q]	[Q-L4]		[N]
1/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.13	0.25	0.25	M12	1/2-20 UNF-2A
1/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.13	0.25	0.25	M12	1/2-20 UNF-2A
3/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	0.25	–	M12	1/2-20 UNF-2A
1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.13	0.25	0.25	M12	1/2-20 UNF-2A
3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.13	0.25	0.25	M12	1/2-20 UNF-2A
1	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	0.25	–	M12	1/2-20 UNF-2A
1 1/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	–	0.13	–	0.25	M12	1/2-20 UNF-2A
1 1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	0.25	–	M12	1/2-20 UNF-2A
1 3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	–	0.13	–	0.25	M12	1/2-20 UNF-2A
2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	0.25	–	M12	1/2-20 UNF-2A
2 3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	–	0.13	–	0.25	M12	1/2-20 UNF-2A
3	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	0.25	–	M12	1/2-20 UNF-2A
3 3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	–	0.13	–	0.25	M12	1/2-20 UNF-2A
4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	0.25	–	M12	1/2-20 UNF-2A

Compact cylinder DPCA, double-acting

Technical data

Stroke [in]	L8				MM ∅	PL1	PL2			
		[L4]	[Q]	[Q-L4]				[L4]	[Q]	[Q-L4]
1/8	1.06	1.31	1.19	1.44	0.75	0.38	0.5	0.5	0.63	0.63
1/4	1.19	1.5	1.32	1.63	0.75	0.38	0.5	0.5	0.63	0.63
3/8	1.31	–	1.44	–	0.75	0.38	0.5	–	0.63	–
1/2	1.5	1.88	1.63	2.01	0.75	0.38	0.5	0.5	0.63	0.63
3/4	1.88	2.25	2.01	2.38	0.75	0.38	0.5	0.5	0.63	0.63
1	2.25	–	2.38	–	0.75	0.38	0.5	–	0.63	–
1 1/4	–	2.75	–	2.88	0.75	0.38	–	0.5	–	0.63
1 1/2	2.75	–	2.88	–	0.75	0.38	0.5	–	0.63	–
1 3/4	–	3.25	–	3.38	0.75	0.38	–	0.5	–	0.63
2	3.25	–	3.38	–	0.75	0.38	0.5	–	0.63	–
2 3/4	–	4.25	–	4.38	0.75	0.38	–	0.5	–	0.63
3	4.25	–	4.38	–	0.75	0.38	0.5	–	0.63	–
3 3/4	–	5.25	–	5.38	0.75	0.38	–	0.5	–	0.63
4	5.25	–	5.38	–	0.75	0.38	0.5	–	0.63	–

Stroke [in]	T1	W1	W2	WH	ZJ				⇄1
						[L4]	[Q]	[Q-L4]	
1/8	0.26	72°	–	0.14	1.2	1.45	1.33	1.58	0.63
1/4	0.26	72°	–	0.14	1.33	1.64	1.46	1.77	0.63
3/8	0.26	72°	–	0.14	1.45	–	1.58	–	0.63
1/2	0.26	72°	–	0.14	1.64	2.02	1.77	2.15	0.63
3/4	0.26	72°	–	0.14	2.02	2.39	2.15	2.52	0.63
1	0.26	72°	–	0.14	2.39	–	2.52	–	0.63
1 1/4	0.26	72°	–	0.14	–	2.89	–	3.02	0.63
1 1/2	0.26	72°	–	0.14	2.89	–	3.02	–	0.63
1 3/4	0.26	72°	–	0.14	–	3.39	–	3.52	0.63
2	0.26	72°	–	0.14	3.39	–	3.52	–	0.63
2 3/4	0.26	72°	–	0.14	–	4.39	–	4.52	0.63
3	0.26	72°	–	0.14	4.39	–	4.52	–	0.63
3 3/4	0.26	72°	–	0.14	–	5.39	–	5.52	0.63
4	0.26	72°	–	0.14	5.39	–	5.52	–	0.63

Compact cylinder DPCA, double-acting

Technical data

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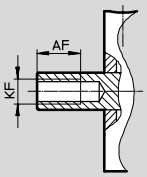
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[F] Internal thread



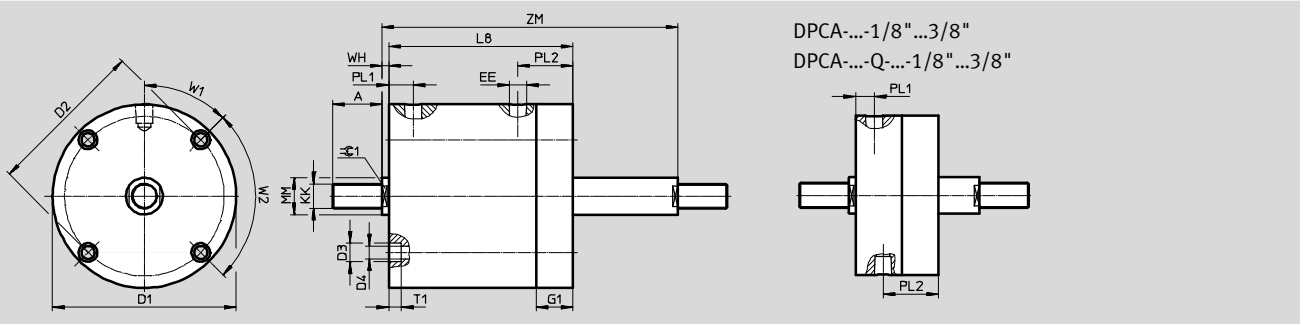
Stroke [in]	AF	AF [L4]	AF [Q]	AF [Q-L4]	KF	[N]
1/8	0,4	0,63	0,4	0,63	M12	1/2-20 UNF-2B
1/4	0,5	0,63	0,5	0,63	M12	1/2-20 UNF-2B
3/8	0,63	–	0,63	–	M12	1/2-20 UNF-2B
1/2	0,63	0,75	0,63	0,75	M12	1/2-20 UNF-2B
3/4	0,75	0,88	0,75	0,88	M12	1/2-20 UNF-2B
1	0,88	–	0,88	–	M12	1/2-20 UNF-2B
1 1/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
1 1/2	0,88	–	0,88	–	M12	1/2-20 UNF-2B
1 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
2	0,88	–	0,88	–	M12	1/2-20 UNF-2B
2 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
3	0,88	–	0,88	–	M12	1/2-20 UNF-2B
3 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
4	0,88	–	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
3/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1 1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
3	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌯ 1
1/8	1.69	0.75	0.38	1.13	0.25	72°	–	0.14	2.095	0.63
1/4	1.81	0.75	0.38	1.12	0.25	72°	–	0.14	2.34	0.63
3/8	1.94	0.75	0.38	1.13	0.25	72°	–	0.14	2.595	0.63
1/2	2.13	0.75	0.38	1.13	0.24	72°	–	0.14	2.91	0.63
3/4	2.5	0.75	0.38	1.12	0.25	72°	–	0.14	3.53	0.63
1	2.88	0.75	0.38	1.13	0.25	72°	–	0.14	4.16	0.63
1 1/2	3.38	0.75	0.38	1.13	0.25	72°	–	0.14	5.16	0.63
2	3.88	0.75	0.38	1.13	0.25	72°	–	0.14	6.16	0.63
3	4.88	0.75	0.38	1.13	0.25	72°	–	0.14	8.16	0.63
4	5.88	0.75	0.38	1.13	0.25	72°	–	0.14	10.16	0.63

Compact cylinder DPCA, double-acting

Technical data

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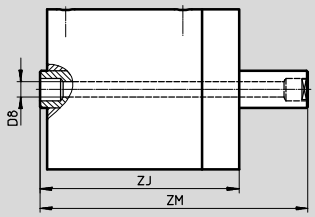
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

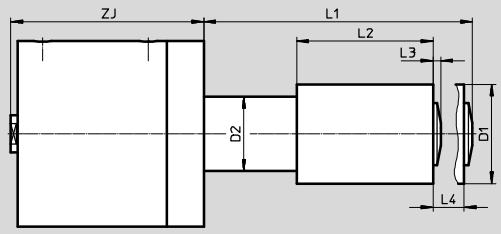
[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	5/16	1.83	1.345
1/4	5/16	1.95	1.59
3/8	5/16	2.08	1.845
1/2	5/16	2.27	2.16
3/4	5/16	2.64	2.78
1	5/16	3.02	3.41
1 1/2	5/16	3.52	4.41
2	5/16	4.02	5.41
3	5/16	5.02	7.41
4	5/16	6.02	9.41

Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



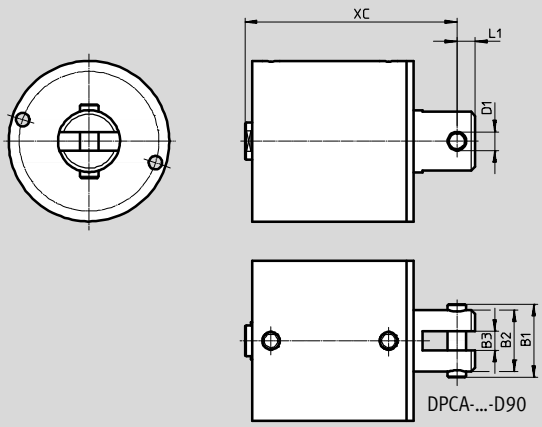
Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.67	0.88	0.16	0.63	1.83
1/4	2	1.5	1.91	1	0.16	0.63	1.95
3/8	2	1.5	2.17	1.13	0.16	0.63	2.08
1/2	2	1.5	2.41	1.25	0.16	0.63	2.27
3/4	2	1.5	2.91	1.5	0.16	0.63	2.64
1	2	1.5	3.41	1.75	0.16	0.63	3.02
1 1/2	2	1.5	4.41	2.25	0.16	0.63	3.52
2	2	1.5	5.41	2.75	0.16	0.63	4.02
3	2	1.5	7.41	3.75	0.16	0.63	5.02
4	2	1.5	9.41	4.75	0.16	0.63	6.02

Compact cylinder DPCA, double-acting

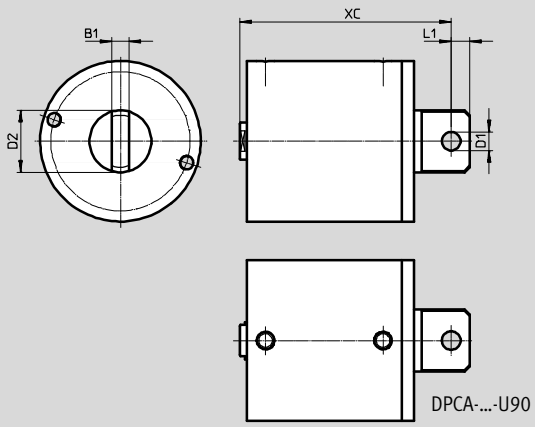
Technical data

Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis
[D90] With swivel clevis, rotated 90°
[U] With swiveling rod eye
[U90] With swiveling rod eye, rotated 90°



DPCA-...-D90



DPCA-...-U90

Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]				[L4]	[Q]	[Q-L4]
1/8	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.08	2.33	2.08	2.33
1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.21	2.52	2.21	2.52
3/8	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.33	–	2.33	–
1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.52	2.9	2.52	2.9
3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.9	3.27	2.9	3.27
1	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	3.27	–	3.27	–
1 1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	3.77	–	3.77
1 1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	3.77	–	3.77	–
1 3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	4.27	–	4.27
2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	4.27	–	4.27	–
2 3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	5.27	–	5.27
3	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	5.27	–	5.27	–
3 3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	6.27	–	6.27
4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	6.27	–	6.27	–

Compact cylinder DPCA, double-acting

Technical data

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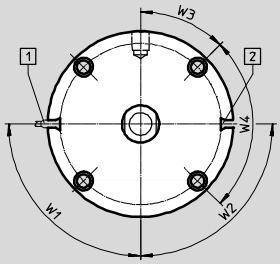
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



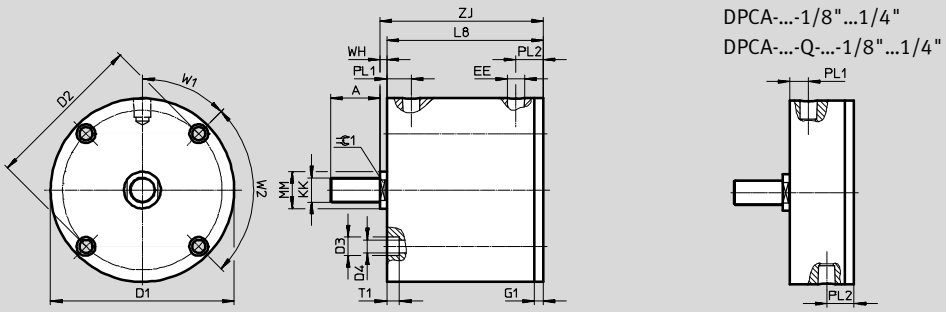
1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number				W1	W2				W3	W4
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		
1/8	–	2	–	2	35°	–	35°	–	35°	72°	–
1/4	2	2	2	2	35°	35°	35°	35°	35°	72°	–
3/8	2	–	2	–	35°	35°	–	35°	–	72°	–
1/2	2	2	2	2	35°	35°	35°	35°	35°	72°	–
3/4	2	2	2	2	35°	35°	35°	35°	35°	72°	–
1	2	–	2	–	35°	35°	–	35°	–	72°	–
1 1/4	–	2	–	1	35°	–	35°	–	35°	72°	–
1 1/2	1	–	1	–	35°	–	–	–	–	72°	–
1 3/4	–	1	–	1	35°	–	–	–	–	72°	–
2	1	–	1	–	35°	–	–	–	–	72°	–
2 3/4	–	1	–	1	35°	–	–	–	–	72°	–
3	1	–	1	–	35°	–	–	–	–	72°	–
3 3/4	–	1	–	1	35°	–	–	–	–	72°	–
4	1	–	1	–	35°	–	–	–	–	72°	–

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1				KK	
							[N]		[L4]	[Q]	[Q-L4]		[N]
1/8	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
1/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.19	0.38	0.38	M12	1/2-20 UNF-2A
1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.19	0.38	0.38	M12	1/2-20 UNF-2A
3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.19	0.38	0.38	M12	1/2-20 UNF-2A
1	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
1 1/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
1 1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
1 3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
2 3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
3	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
3 3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A

Stroke [in]	L8				MM ∅	PL1				PL2			
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		[L4]	[Q]	[Q-L4]
1/8	1.31	–	1.5	–	0.75	0.38	–	0.38	–	0.56	–	0.75	–
1/4	1.44	1.69	1.63	1.88	0.75	0.38	0.38	0.38	0.38	0.56	0.56	0.75	0.75
1/2	1.69	2.06	1.88	2.25	0.75	0.38	0.5	0.38	0.5	0.56	0.56	0.75	0.75
3/4	2.06	2.19	2.25	2.38	0.75	0.5	0.5	0.5	0.5	0.56	0.56	0.75	0.75
1	2.19	–	2.38	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
1 1/4	–	2.69	–	2.88	0.75	–	0.5	–	0.5	–	0.56	–	0.75
1 1/2	2.69	–	2.88	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
1 3/4	–	3.19	–	3.38	0.75	–	0.5	–	0.5	–	0.56	–	0.75
2	3.19	–	3.38	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
2 3/4	–	4.19	–	4.38	0.75	–	0.5	–	0.5	–	0.56	–	0.75
3	4.19	–	4.38	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
3 3/4	–	5.19	–	5.38	0.75	–	0.5	–	0.5	–	0.56	–	0.75
4	5.19	–	5.38	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–

Compact cylinder DPCA, double-acting

Technical data

Stroke [in]	T1	W1	W2	WH	ZJ				⌀1
						[L4]	[Q]	[Q-L4]	
1/8	0.26	45°	90°	0.14	1.45	–	1.64	–	0.63
1/4	0.26	45°	90°	0.14	1.58	1.83	1.77	2.02	0.63
1/2	0.26	45°	90°	0.14	1.83	2.2	2.02	2.39	0.63
3/4	0.26	45°	90°	0.14	2.2	2.33	2.39	2.52	0.63
1	0.26	45°	90°	0.14	2.33	–	2.52	–	0.63
1 1/4	0.26	45°	90°	0.14	–	2.83	–	3.02	0.63
1 1/2	0.26	45°	90°	0.14	2.83	–	3.02	–	0.63
1 3/4	0.26	45°	90°	0.14	–	3.33	–	3.52	0.63
2	0.26	45°	90°	0.14	3.33	–	3.52	–	0.63
2 3/4	0.26	45°	90°	0.14	–	4.33	–	4.52	0.63
3	0.26	45°	90°	0.14	4.33	–	4.52	–	0.63
3 3/4	0.26	45°	90°	0.14	–	5.33	–	5.52	0.63
4	0.26	45°	90°	0.14	5.33	–	5.52	–	0.63

Dimensions – Piston diameter 2 1/2

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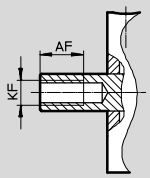
[F] Internal thread



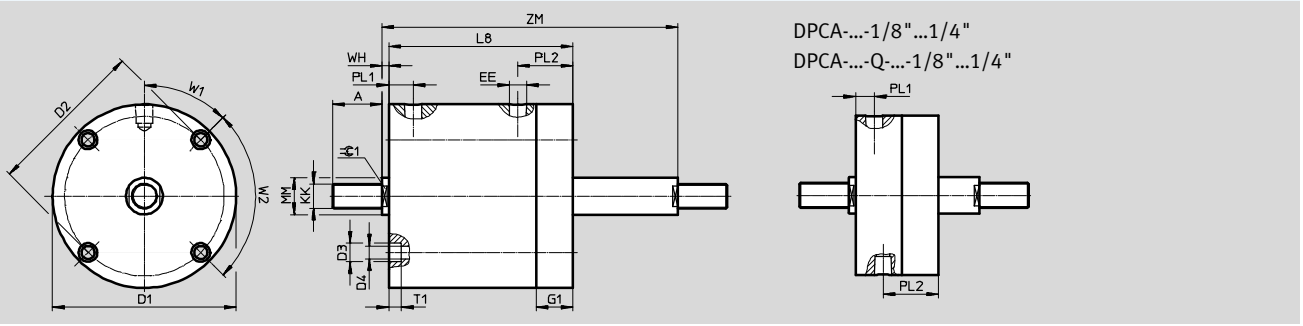
Stroke [in]	AF	AF	AF	AF	KF	
		[L4]	[Q]	[Q-L4]		[N]
1/8	0,56	–	0,56	–	M12	1/2-20 UNF-2B
1/4	0,63	0,63	0,63	0,63	M12	1/2-20 UNF-2B
1/2	0,63	0,88	0,63	0,88	M12	1/2-20 UNF-2B
3/4	0,88	0,88	0,88	0,88	M12	1/2-20 UNF-2B
1	0,88	–	0,88	–	M12	1/2-20 UNF-2B
1 1/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
1 1/2	0,88	–	0,88	–	M12	1/2-20 UNF-2B
1 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
2	0,88	–	0,88	–	M12	1/2-20 UNF-2B
2 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
3	0,88	–	0,88	–	M12	1/2-20 UNF-2B
3 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
4	0,88	–	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/8	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1 1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
3	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌀ 1
1/8	1.88	0.75	0.38	1.13	0.25	45°	90°	0.14	2.285	0.63
1/4	2	0.75	0.38	1.12	0.25	45°	90°	0.14	2.53	0.63
1/2	2.25	0.75	0.38	1.12	0.25	45°	90°	0.14	3.03	0.63
3/4	2.63	0.75	0.5	1.13	0.25	45°	90°	0.14	3.66	0.63
1	2.75	0.75	0.5	1.12	0.25	45°	90°	0.14	4.03	0.63
1 1/2	3.25	0.75	0.5	1.12	0.25	45°	90°	0.14	5.03	0.63
2	3.75	0.75	0.5	1.12	0.25	45°	90°	0.14	6.03	0.63
3	4.75	0.75	0.5	1.12	0.25	45°	90°	0.14	8.03	0.63
4	5.75	0.75	0.5	1.12	0.25	45°	90°	0.14	10.03	0.63

Compact cylinder DPCA, double-acting

Technical data

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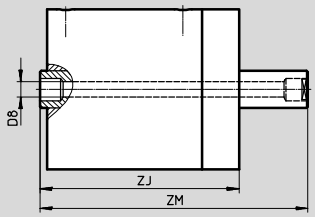
Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

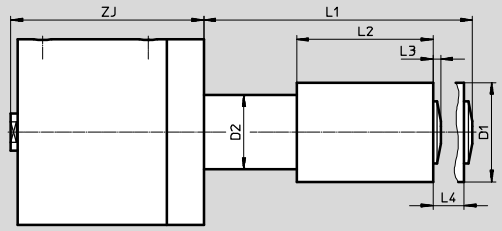
[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	1/4	2.02	2.285
1/4	1/4	2.14	2.53
1/2	1/4	2.39	3.03
3/4	1/4	2.77	3.66
1	1/4	2.89	4.03
1 1/2	1/4	3.39	5.03
2	1/4	3.89	6.03
3	1/4	4.89	8.03
4	1/4	5.89	10.03

Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.67	0.88	0.16	0.63	2.02
1/4	2	1.5	1.91	1	0.16	0.63	2.14
1/2	2	1.5	2.41	1.25	0.16	0.63	2.39
3/4	2	1.5	2.91	1.5	0.16	0.63	2.77
1	2	1.5	3.41	1.75	0.16	0.63	2.89
1 1/2	2	1.5	4.41	2.25	0.16	0.63	3.39
2	2	1.5	5.41	2.75	0.16	0.63	3.89
3	2	1.5	7.41	3.75	0.16	0.63	4.89
4	2	1.5	9.41	4.75	0.16	0.63	5.89

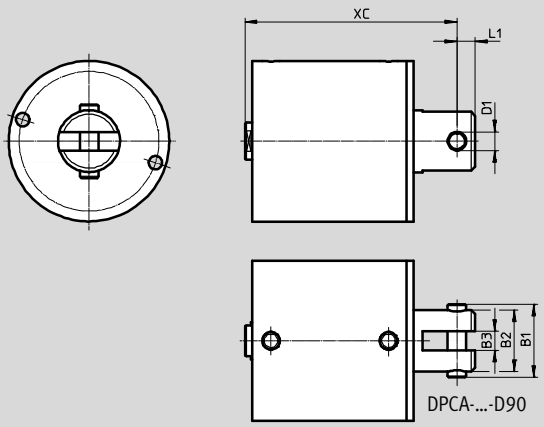
Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°



Stroke [in]	B1	B2	B3	D1 ∅	L1	XC			
							[L4]	[Q]	[Q-L4]
1/8	1.86	1.63	0.5	0.5	0.5	2.64	–	2.64	–
1/4	1.86	1.63	0.5	0.5	0.5	2.77	3.02	2.77	3.02
1/2	1.86	1.63	0.5	0.5	0.5	3.02	3.39	3.02	3.39
3/4	1.86	1.63	0.5	0.5	0.5	3.39	3.52	3.39	3.52
1	1.86	1.63	0.5	0.5	0.5	3.52	–	3.52	–
1 1/4	1.86	1.63	0.5	0.5	0.5	–	4.02	–	4.02
1 1/2	1.86	1.63	0.5	0.5	0.5	4.02	–	4.02	–
1 3/4	1.86	1.63	0.5	0.5	0.5	–	4.52	–	4.52
2	1.86	1.63	0.5	0.5	0.5	4.52	–	4.52	–
2 3/4	1.86	1.63	0.5	0.5	0.5	–	5.52	–	5.52
3	1.86	1.63	0.5	0.5	0.5	5.52	–	5.52	–
3 3/4	1.86	1.63	0.5	0.5	0.5	–	6.52	–	6.52
4	1.86	1.63	0.5	0.5	0.5	6.52	–	6.52	–

Compact cylinder DPCA, double-acting

Technical data

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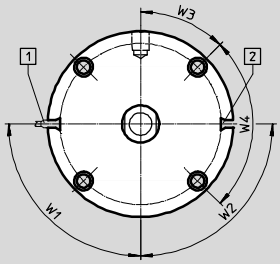
Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



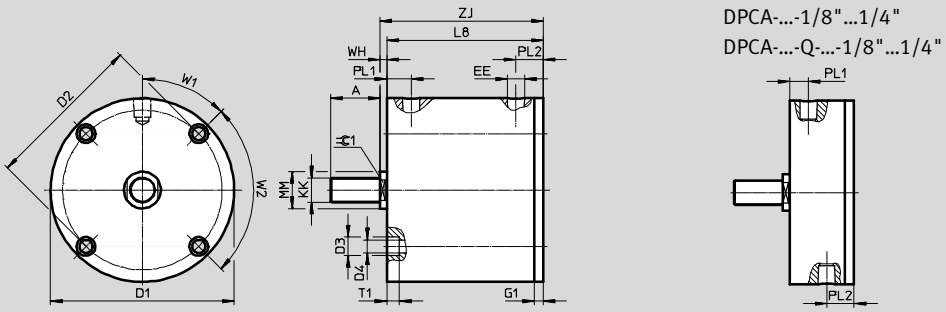
1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number				W1	W2				W3	W4
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		
1/4	2	2	2	2	90°	90°	90°	90°	90°	45°	90°
1/2	2	2	2	2	90°	90°	90°	90°	90°	45°	90°
3/4	2	2	2	2	90°	90°	90°	90°	90°	45°	90°
1	2	–	2	–	90°	90°	–	90°	–	45°	90°
1 1/4	–	1	–	1	90°	–	–	–	–	45°	90°
1 1/2	1	–	1	–	90°	–	–	–	–	45°	90°
1 3/4	–	1	–	1	90°	–	–	–	–	45°	90°
2	1	–	1	–	90°	–	–	–	–	45°	90°
2 3/4	–	1	–	1	90°	–	–	–	–	45°	90°
3	1	–	1	–	90°	–	–	–	–	45°	90°
3 3/4	–	1	–	1	90°	–	–	–	–	45°	90°
4	1	–	1	–	90°	–	–	–	–	45°	90°

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1				KK	
							[N]		[L4]	[Q]	[Q-L4]		[N]
1/8	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
1/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.19	0.38	0.38	M12	1/2-20 UNF-2A
1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.19	0.38	0.38	M12	1/2-20 UNF-2A
3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.19	0.38	0.38	M12	1/2-20 UNF-2A
1	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
1 1/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
1 1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
1 3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
2 3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
3	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A
3 3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	–	0.19	–	0.38	M12	1/2-20 UNF-2A
4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	0.38	–	M12	1/2-20 UNF-2A

Stroke [in]	L8				MM ∅	PL1				PL2			
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		[L4]	[Q]	[Q-L4]
1/8	1.38	–	1.75	–	0.75	0.38	–	0.38	–	0.57	–	0.76	–
1/4	1.5	1.75	1.69	1.94	0.75	0.38	0.38	0.38	0.38	0.56	0.56	0.75	0.75
1/2	1.75	2	1.94	2.19	0.75	0.38	0.5	0.38	0.5	0.56	0.56	0.75	0.75
3/4	2	2.25	2.19	2.44	0.75	0.5	0.5	0.5	0.5	0.56	0.56	0.75	0.75
1	2.25	–	2.44	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
1 1/4	–	2.75	–	2.94	0.75	–	0.5	–	0.5	–	0.56	–	0.75
1 1/2	2.75	–	2.94	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
1 3/4	–	3.25	–	3.44	0.75	–	0.5	–	0.5	–	0.56	–	0.75
2	3.25	–	3.44	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
2 3/4	–	4.25	–	4.44	0.75	–	0.5	–	0.5	–	0.56	–	0.75
3	4.25	–	4.44	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–
3 3/4	–	5.25	–	5.44	0.75	–	0.5	–	0.5	–	0.56	–	0.75
4	5.25	–	5.44	–	0.75	0.5	–	0.5	–	0.56	–	0.75	–

Compact cylinder DPCA, double-acting

Technical data

Stroke [in]	T1	W1	W2	WH	ZJ				⌯ 1
						[L4]	[Q]	[Q-L4]	
1/8	0.26	45°	90°	0.14	1.52	–	1.71	–	0.63
1/4	0.26	45°	90°	0.14	1.64	1.89	1.83	2.08	0.63
1/2	0.26	45°	90°	0.14	1.89	2.14	2.08	2.33	0.63
3/4	0.26	45°	90°	0.14	2.14	2.39	2.33	2.58	0.63
1	0.26	45°	90°	0.14	2.39	–	2.58	–	0.63
1 1/4	0.26	45°	90°	0.14	–	2.89	–	3.08	0.63
1 1/2	0.26	45°	90°	0.14	2.89	–	3.08	–	0.63
1 3/4	0.26	45°	90°	0.14	–	3.39	–	3.58	0.63
2	0.26	45°	90°	0.14	3.39	–	3.58	–	0.63
2 3/4	0.26	45°	90°	0.14	–	4.39	–	4.58	0.63
3	0.26	45°	90°	0.14	4.39	–	4.58	–	0.63
3 3/4	0.26	45°	90°	0.14	–	5.39	–	5.58	0.63
4	0.26	45°	90°	0.14	5.39	–	5.58	–	0.63

Dimensions – Piston diameter 3

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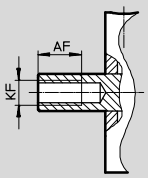
[F] Internal thread



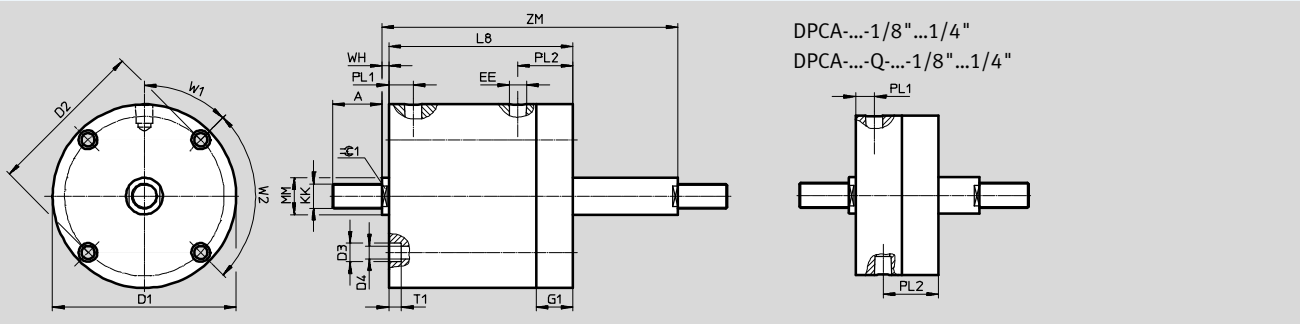
Stroke [in]	AF	AF	AF	AF	KF	
		[L4]	[Q]	[Q-L4]		[N]
1/8	0,63	–	0,63	–	M12	1/2-20 UNF-2B
1/4	0,63	0,63	0,63	0,63	M12	1/2-20 UNF-2B
1/2	0,63	0,88	0,63	0,88	M12	1/2-20 UNF-2B
3/4	0,88	0,88	0,88	0,88	M12	1/2-20 UNF-2B
1	0,88	–	0,88	–	M12	1/2-20 UNF-2B
1 1/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
1 1/2	0,88	–	0,88	–	M12	1/2-20 UNF-2B
1 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
2	0,88	–	0,88	–	M12	1/2-20 UNF-2B
2 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
3	0,88	–	0,88	–	M12	1/2-20 UNF-2B
3 3/4	–	0,88	–	0,88	M12	1/2-20 UNF-2B
4	0,88	–	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/8	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
1 1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
3	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A
4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	M12	1/2-20 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌀ 1
1/8	1.94	0.75	0.38	1.13	0.26	45°	90°	0.14	2.345	0.63
1/4	2.06	0.75	0.38	1.12	0.26	45°	90°	0.14	2.59	0.63
1/2	2.31	0.75	0.38	1.12	0.21	45°	90°	0.14	3.09	0.63
3/4	2.56	0.75	0.5	1.12	0.26	45°	90°	0.14	3.59	0.63
1	2.81	0.75	0.5	1.12	0.26	45°	90°	0.14	4.09	0.63
1 1/2	3.31	0.75	0.5	1.12	0.21	45°	90°	0.14	5.09	0.63
2	3.81	0.75	0.5	1.12	0.26	45°	90°	0.14	6.09	0.63
3	4.81	0.75	0.5	1.12	0.26	45°	90°	0.14	8.09	0.63
4	5.81	0.75	0.5	1.12	0.26	45°	90°	0.14	10.09	0.63

Compact cylinder DPCA, double-acting

Technical data

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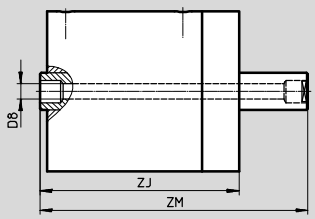
Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

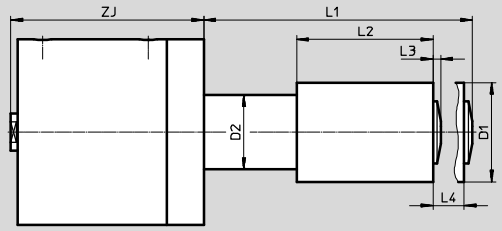
[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	1/4	2.08	2.345
1/4	1/4	2.2	2.59
1/2	1/4	2.45	3.09
3/4	1/4	2.7	3.59
1	1/4	2.95	4.09
1 1/2	1/4	3.45	5.09
2	1/4	3.95	6.09
3	1/4	4.95	8.09
4	1/4	5.95	10.09

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.67	0.88	0.16	0.63	2.08
1/4	2	1.5	1.91	1	0.16	0.63	2.2
1/2	2	1.5	2.41	1.25	0.16	0.63	2.45
3/4	2	1.5	2.91	1.5	0.16	0.63	2.7
1	2	1.5	3.41	1.75	0.16	0.63	2.95
1 1/2	2	1.5	4.41	2.25	0.16	0.63	3.45
2	2	1.5	5.41	2.75	0.16	0.63	3.95
3	2	1.5	7.41	3.75	0.16	0.63	4.95
4	2	1.5	9.41	4.75	0.16	0.63	5.95

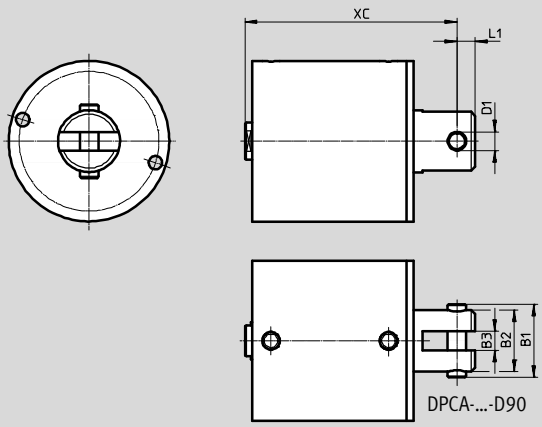
Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°



Stroke [in]	B1	B2	B3	D1 ∅	L1	XC			
							[L4]	[Q]	[Q-L4]
1/8	1.86	1.63	0.5	0.5	0.5	2.71	–	2.71	–
1/4	1.86	1.63	0.5	0.5	0.5	2.83	3.08	2.83	3.08
1/2	1.86	1.63	0.5	0.5	0.5	3.08	3.33	3.08	3.33
3/4	1.86	1.63	0.5	0.5	0.5	3.33	3.58	3.33	3.58
1	1.86	1.63	0.5	0.5	0.5	3.58	–	3.58	–
1 1/4	1.86	1.63	0.5	0.5	0.5	–	4.08	–	4.08
1 1/2	1.86	1.63	0.5	0.5	0.5	4.08	–	4.08	–
1 3/4	1.86	1.63	0.5	0.5	0.5	–	4.58	–	4.58
2	1.86	1.63	0.5	0.5	0.5	4.58	–	4.58	–
2 3/4	1.86	1.63	0.5	0.5	0.5	–	5.58	–	5.58
3	1.86	1.63	0.5	0.5	0.5	5.58	–	5.58	–
3 3/4	1.86	1.63	0.5	0.5	0.5	–	6.58	–	6.58
4	1.86	1.63	0.5	0.5	0.5	6.58	–	6.58	–

Compact cylinder DPCA, double-acting

Technical data

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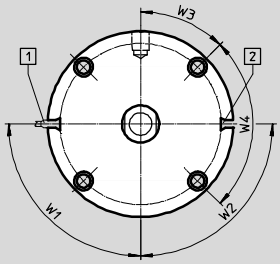
Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number				W1	W2				W3	W4
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		
1/4	2	2	2	2	30°	30°	30°	30°	30°	45°	90°
1/2	2	2	2	2	30°	30°	30°	30°	30°	45°	90°
3/4	2	2	2	2	30°	30°	30°	30°	30°	45°	90°
1	2	–	2	–	30°	30°	–	30°	–	45°	90°
1 1/4	–	1	–	1	30°	–	–	–	–	45°	90°
1 1/2	1	–	1	–	30°	–	–	–	–	45°	90°
1 3/4	–	1	–	1	30°	–	–	–	–	45°	90°
2	1	–	1	–	30°	–	–	–	–	45°	90°
2 3/4	–	1	–	1	30°	–	–	–	–	45°	90°
3	1	–	1	–	30°	–	–	–	–	45°	90°
3 3/4	–	1	–	1	30°	–	–	–	–	45°	90°
4	1	–	1	–	30°	–	–	–	–	45°	90°

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 4

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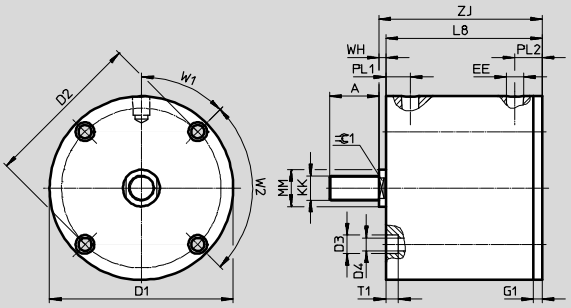


Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1				KK	
							[N]		[L4]	[Q]	[Q-L4]		[N]
1/8	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A
1/4	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A
5/16	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	–	0.31	–	0.5	M16	5/8-18 UNF-2A
1/2	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A
13/16	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	–	0.31	–	0.5	M16	5/8-18 UNF-2A
1	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A
1 5/16	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	–	0.31	–	0.5	M16	5/8-18 UNF-2A
1 1/2	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A
1 13/16	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	–	0.31	–	0.5	M16	5/8-18 UNF-2A
2	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A
2 13/16	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	–	0.31	–	0.5	M16	5/8-18 UNF-2A
3	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A
3 13/16	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	–	0.31	–	0.5	M16	5/8-18 UNF-2A
4	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.31	–	0.5	–	M16	5/8-18 UNF-2A

Stroke [in]	L8				MM ∅	PL1				PL2			
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		[L4]	[Q]	[Q-L4]
1/8	1.69	–	1.88	–	0.88	0.38	–	0.38	–	0.69	–	0.88	–
1/4	1.82	–	2.01	–	0.88	0.38	–	0.38	–	0.69	–	0.88	–
5/16	–	2.07	–	2.26	0.88	–	0.5	–	0.5	–	0.69	–	0.88
1/2	2.07	–	2.26	–	0.88	0.5	–	0.5	–	0.69	–	0.88	–
13/16	–	2.57	–	2.76	0.88	–	0.5	–	0.5	–	0.69	–	0.88
1	2.57	–	2.76	–	0.88	0.5	–	0.5	–	0.69	–	0.88	–
1 5/16	–	3.07	–	3.26	0.88	–	0.5	–	0.5	–	0.69	–	0.88
1 1/2	3.07	–	3.26	–	0.88	0.5	–	0.5	–	0.69	–	0.88	–
1 13/16	–	3.57	–	3.76	0.88	–	0.5	–	0.5	–	0.69	–	0.88
2	3.57	–	3.76	–	0.88	0.5	–	0.5	–	0.69	–	0.88	–
2 13/16	–	4.57	–	4.76	0.88	–	0.5	–	0.5	–	0.69	–	0.88
3	4.57	–	4.76	–	0.88	0.5	–	0.5	–	0.69	–	0.88	–
3 13/16	–	5.57	–	5.76	0.88	–	0.5	–	0.5	–	0.69	–	0.88
4	5.57	–	5.76	–	0.88	0.5	–	0.5	–	0.69	–	0.88	–

Compact cylinder DPCA, double-acting

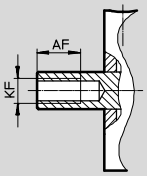
Technical data

Stroke [in]	T1	W1	W2	WH	ZJ				⌀1
						[L4]	[Q]	[Q-L4]	
1/8	0.26	45°	90°	0.2	1.89	–	2.08	–	0.75
1/4	0.26	45°	90°	0.2	2.02	–	2.21	–	0.75
5/16	0.26	45°	90°	0.2	–	2.27	–	2.46	0.75
1/2	0.26	45°	90°	0.2	2.27	–	2.46	–	0.75
13/16	0.26	45°	90°	0.2	–	2.77	–	2.96	0.75
1	0.26	45°	90°	0.2	2.77	–	2.96	–	0.75
1 5/16	0.26	45°	90°	0.2	–	3.27	–	3.46	0.75
1 1/2	0.26	45°	90°	0.2	3.27	–	3.46	–	0.75
1 13/16	0.26	45°	90°	0.2	–	3.77	–	3.96	0.75
2	0.26	45°	90°	0.2	3.77	–	3.96	–	0.75
2 13/16	0.26	45°	90°	0.2	–	4.77	–	4.96	0.75
3	0.26	45°	90°	0.2	4.77	–	4.96	–	0.75
3 13/16	0.26	45°	90°	0.2	–	5.77	–	5.96	0.75
4	0.26	45°	90°	0.2	5.77	–	5.96	–	0.75

Dimensions – Piston diameter 4

Download CAD data ➔ **www.festo.com**

[F] Internal thread



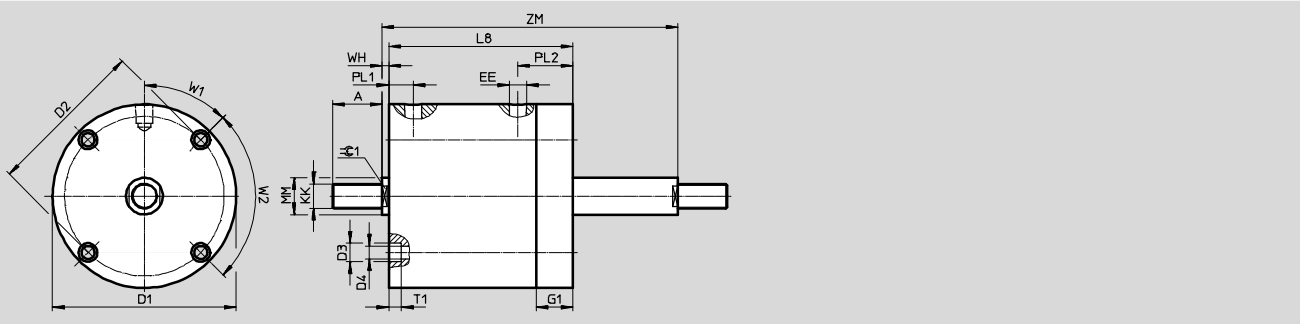
Stroke [in]	AF	AF	AF	AF	KF	
		[L4]	[Q]	[Q-L4]		[N]
1/8	0,5	–	0,5	–	M16	5/8-18 UNF-2B
1/4	0,5	–	0,5	–	M16	5/8-18 UNF-2B
5/16	–	0,75	–	0,75	M16	5/8-18 UNF-2B
1/2	0,75	–	0,75	–	M16	5/8-18 UNF-2B
13/16	–	0,88	–	0,88	M16	5/8-18 UNF-2B
1	0,88	–	0,88	–	M16	5/8-18 UNF-2B
1 5/16	–	0,88	–	0,88	M16	5/8-18 UNF-2B
1 1/2	0,88	–	0,88	–	M16	5/8-18 UNF-2B
1 13/16	–	0,88	–	0,88	M16	5/8-18 UNF-2B
2	0,88	–	0,88	–	M16	5/8-18 UNF-2B
2 13/16	–	0,88	–	0,88	M16	5/8-18 UNF-2B
3	0,88	–	0,88	–	M16	5/8-18 UNF-2B
3 13/16	–	0,88	–	0,88	M16	5/8-18 UNF-2B
4	0,88	–	0,88	–	M16	5/8-18 UNF-2B

Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 4 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/8	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A
1/4	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A
1/2	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A
1	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A
1 1/2	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A
2	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A
3	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A
4	1.25	5.5	5	0.38	0.27	G1/8	1/8 NPT	0.75	M16	5/8-18 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌯ 1
1/8	2.13	0.88	0.38	1.13	0.26	45°	90°	0.2	2.655	0.75
1/4	2.25	0.88	0.38	1.12	0.25	45°	90°	0.2	2.9	0.75
1/2	2.5	0.88	0.5	1.12	0.25	45°	90°	0.2	3.4	0.75
1	3	0.88	0.5	1.12	0.25	45°	90°	0.2	4.4	0.75
1 1/2	3.5	0.88	0.5	1.12	0.25	45°	90°	0.2	5.4	0.75
2	4	0.88	0.5	1.12	0.25	45°	90°	0.2	6.4	0.75
3	5	0.88	0.5	1.12	0.25	45°	90°	0.2	8.4	0.75
4	6	0.88	0.5	1.12	0.25	45°	90°	0.2	10.4	0.75

New

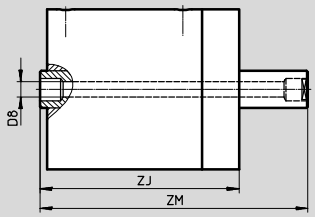
Compact cylinder DPCA, double-acting

Technical data

FESTO

Dimensions – Piston diameter 4 Download CAD data ➔ **www.festo.com**

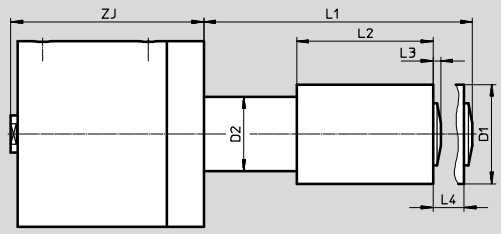
[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	1/4	2.33	2.655
1/4	1/4	2.45	2.9
1/2	1/4	2.7	3.4
1	1/4	3.2	4.4
1 1/2	1/4	3.7	5.4
2	1/4	4.2	6.4
3	1/4	5.2	8.4
4	1/4	6.2	10.4

Dimensions – Piston diameter 4 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.66	0.88	0.15	0.63	2.33
1/4	2	1.5	1.91	1	0.16	0.63	2.45
1/2	2	1.5	2.41	1.25	0.16	0.63	2.7
1	2	1.5	3.41	1.75	0.16	0.63	3.2
1 1/2	2	1.5	4.41	2.25	0.16	0.63	3.7
2	2	1.5	5.41	2.75	0.16	0.63	4.2
3	2	1.5	7.41	3.75	0.16	0.63	5.2
4	2	1.5	9.41	4.75	0.16	0.63	6.2

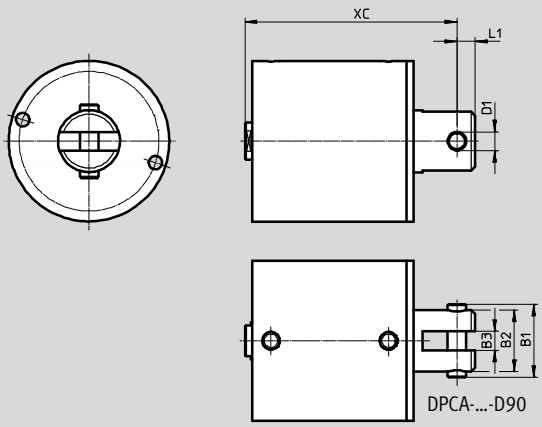
Compact cylinder DPCA, double-acting

Technical data

Dimensions – Piston diameter 4 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°



Stroke [in]	B1	B2	B3	D1 ∅	L1	XC			
							[L4]	[Q]	[Q-L4]
1/8	2.24	2	0.63	0.63	0.63	3.33	–	3.52	–
1/4	2.24	2	0.63	0.63	0.63	3.46	–	3.65	–
5/16	2.24	2	0.63	0.63	0.63	–	3.71	–	3.9
1/2	2.24	2	0.63	0.63	0.63	3.71	–	3.9	–
13/16	2.24	2	0.63	0.63	0.63	–	4.21	–	4.4
1	2.24	2	0.63	0.63	0.63	4.21	–	4.4	–
1 5/16	2.24	2	0.63	0.63	0.63	–	4.71	–	4.9
1 1/2	2.24	2	0.63	0.63	0.63	4.71	–	4.9	–
1 13/16	2.24	2	0.63	0.63	0.63	–	5.21	–	5.4
2	2.24	2	0.63	0.63	0.63	5.21	–	5.4	–
2 13/16	2.24	2	0.63	0.63	0.63	–	6.21	–	6.4
3	2.24	2	0.63	0.63	0.63	6.21	–	6.4	–
3 13/16	2.24	2	0.63	0.63	0.63	–	7.21	–	7.4
4	2.24	2	0.63	0.63	0.63	7.21	–	7.4	–

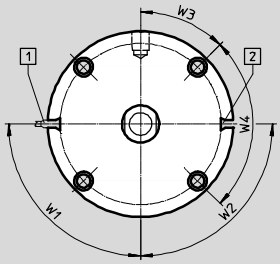
Compact cylinder DPCA, double-acting

Technical data

FESTO

Dimensions – Piston diameter 4 Download CAD data ➔ **www.festo.com**

[A] For proximity switch



1 Sensor
2 Sensor slot

Stroke [in]	Sensor slot number				W1	W2				W3	W4
		[L4]	[Q]	[Q-L4]			[L4]	[Q]	[Q-L4]		
1/4	2	–	2	–	30°	30°	–	30°	–	45°	90°
5/16	–	2	–	2	30°	–	30°	–	30°	45°	90°
1/2	2	–	2	–	30°	30°	–	30°	–	45°	90°
13/16	–	2	–	2	30°	–	30°	–	30°	45°	90°
1	2	–	2	–	30°	30°	–	30°	–	45°	90°
1 5/16	–	1	–	1	30°	–	–	–	–	45°	90°
1 1/2	1	–	1	–	30°	–	–	–	–	45°	90°
1 13/16	–	1	–	1	30°	–	–	–	–	45°	90°
2	1	–	1	–	30°	–	–	–	–	45°	90°
2 13/16	–	1	–	1	30°	–	–	–	–	45°	90°
3	1	–	1	–	30°	–	–	–	–	45°	90°
3 13/16	–	1	–	1	30°	–	–	–	–	45°	90°
4	1	–	1	–	30°	–	–	–	–	45°	90°

Compact cylinder DPCA, double-acting

FESTO

Ordering data – Modular product system

Ordering table											
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	4	Conditions	Code	Enter code
Pamuesrt number	**8104871**	**8104872**	**8104873**	**8104874**	**8104875**	**8104876**	**8104877**	**8104878**			
Function	**Compact cylinder, double-acting**									**DPCA**	DPCA
System of units	Metric										
	Imperial									**-N**	
Anti-twist protection	Without										
	–	With anti-twist protection							1	**-Q**	
Running characteristics	Standard										
	Additional PTFE piston guide								2	**L4**	
Piston diameter	1/2"	3/4"	1 1/8"	1 5/8"	2"	2 1/2"	3"	4"		**-..."**	
Stroke											
1/16"	1)	1)	2)	–	–	–	–	–		**-1/16"**	
1/8"				1)		1)	1)	1)		**-1/8"**	
3/16"	–	–	1)	–	–	–	–	–		**-3/16"**	
1/4"			1)					1)		**-1/4"**	
5/16"	–	–	–	–	–	–	–	2)		**-5/16"**	
3/8"			2)	–	1)	–	–	–		**-3/8"**	
1/2"			1)					1)		**-1/2"**	
5/8"			2)	–	–	–	–	–		**-5/8"**	
3/4"	1)	1)	1)					–		**-3/4"**	
13/16"	–	–	–	–	–	–	–	2)		**-13/16"**	
7/8"	–	–	2)	–	–	–	–	–		**-7/8"**	
1"			1)	1)	1)	1)	1)	1)		**-1"**	
1 1/8"	–	–	2)	–	–	–	–	–		**-1 1/8"**	
1 1/4"			1)	2)	2)	2)	2)	–		**-1 1/4"**	
1 5/16"	–	–	–	–	–	–	–	2)		**-1 5/16"**	
1 3/8"	–	–	2)	–	–	–	–	–		**-1 3/8"**	
1 1/2"			1)	1)	1)	1)	1)	1)		**-1 1/2"**	
1 5/8"	–	–	2)	–	–	–	–	–		**-1 5/8"**	
1 3/4"	–	–	1)	2)	2)	2)	2)	–		**-1 3/4"**	
1 13/16"	–	–	–	–	–	–	–	2)		**-1 13/16"**	
1 7/8"	–	–	2)	–	–	–	–	–		**-1 7/8"**	
2"			1)	1)	1)	1)	1)	1)		**-2"**	
2 3/4"	–	–	–	2)	2)	2)	2)	–		**-2 3/4"**	
2 13/16"	–	–	–	–	–	–	–	2)		**-2 13/16"**	
2 7/8"	–	–	2)	–	–	–	–	–		**-2 7/8"**	
3"			1)	1)	1)	1)	1)	1)		**-3"**	
3 3/4"	–	–	–	2)	2)	2)	2)	–		**-3 3/4"**	
3 13/16"	–	–	–	–	–	–	–	2)		**-3 13/16"**	
3 7/8"	–	–	2)	–	–	–	–	–		**-3 7/8"**	
4"			1)	1)	1)	1)	1)	1)		**-4"**	
Stroke adjustment	Without										
	–	–	Advancing/front						3	**E**	
Function	Double-acting										

1 Q Not with sound limiting SL, SL2
2 L4 Not with stroke adjustment E
Not with piston rod type H, T
3 E Not with running characteristic L4
Not with piston rod type H, T
Not with mounting type D, U, D90, U90

1) Only with standard running characteristic
2) Only with running characteristic L4

New

Compact cylinder DPCA, double-acting

Ordering data – Modular product system

FESTO

Ordering table											
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	4	Conditions	Code	Enter code
Piston rod type	At one end										
	Through, hollow piston rod								[4] [5]	H	
	Through piston rod								[4]	T	
Piston rod thread type	External thread										
	Internal thread									F	
Type of mounting	Standard										
	With swivel clevis								[6]	D	
	With swiveling rod eye					–	–	–	[6]	U	
	With swivel clevis, rotated 90°								[6]	D90	
	With swiveling rod eye, rotated 90°					–	–	–	[6]	U90	
Cushioning	No cushioning									-N	
	Flexible cushioning rings/pads at both ends									-P	
	Flexible cushioning rings/pads at front									-P2	
	Flexible cushioning rings/pads at rear									-P3	
Sound limiting	Without										
	–	–	Both sides						[7]	SL	
	–	–	Front						[8]	SL2	
	–	–	Rear						[9]	SL3	
Position sensing	Without										
	For proximity switch								[10]	A	
Scraper variant	None										
	Increased chemical resistance									-A1	

[4] H, T Not with running characteristic L4
Not with stroke adjustment E
Not with mounting type D, U, D90, U90

[5] H Not with external piston rod thread

[6] D, U, D90, U90
Not with stroke adjustment E
Not with piston rod type H, T

[7] SL Not with anti-twist protection Q
Not with cushioning P, P2, P3

[8] SL2 Not with anti-twist protection Q
Not with cushioning P, P2

[9] SL3 Not with cushioning P, P3

[10] A Not with stroke 1/16, 3/16
Not with stroke 1/8 for piston diameter 1/2, 3/4, 1 1/8, 1 5/8, 2 1/2, 3, 4
Not with stroke 1/8 for piston diameter 2 and standard running characteristic
Not with stroke 1/4 for piston diameter 1/2, 3/4 and standard running characteristic
Not with stroke 1/4 for piston diameter 1 1/8
Not with stroke 1/4 for piston diameter 1 5/8 and standard running characteristic and anti-twist protection Q
Not with stroke 3/8 for piston diameter 1 1/8 and anti-twist protection Q
Not with stroke 1/2 for piston diameter 1 1/8 and anti-twist protection Q
Not with cushioning P, P2 for piston diameter 1/2, 1 1/8, 1 5/8, 2

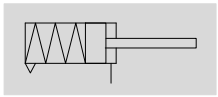
Compact cylinder DPCA-...-P/S, single-acting

Technical data

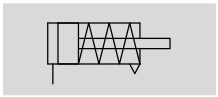
FESTO

Function

DPCA-...-P



DPCA-...-S



Ø - Diameter
1/2 ... 3 inch

\- | - Stroke length
1/16 ... 2 inch

General technical data							
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3
Design	Piston						
	Piston rod						
	Cylinder barrel						
Mode of operation							
[P]	Single-acting, pulling (spring extend)						
[S]	Single-acting, pushing (spring retract)						
Piston rod end	External thread						
	Internal thread						
Pneumatic connection							
[ ]	M5		G1/8				
[N]	10-32 UNF-2B		1/8 NPT				
Piston rod thread							
[ ]	8-32 UNC-2A	10-32 UNF-2A	5/16-24 UNF-2A	3/8-24 UNF-2A	1/2-20 UNF-2A		
[F]	8-32 UNC-2B	10-32 UNF-2B	5/16-24 UNF-2B	3/8-24 UNF-2B	1/2-20 UNF-2B		
Stroke [in]	1/16 ... 2			1/8 ... 1 1/2			
Cushioning							
[P2]	Flexible cushioning rings/pads at front [1]						
[P3]	Flexible cushioning rings/pads at rear [2]						
Type of mounting							
	With through-hole						
	With accessories						
[U]	With swiveling rod eye on end cap					–	
[D]	With swivel clevis on end cap						
[U90]	With swiveling rod eye on end cap rotated 90°					–	
[D90]	With swivel clevis on end cap rotated 90°						
Mounting position	Any						

1) Not with single-acting, pushing (spring retract) variant
2) Not with single-acting, pulling (spring extend) variant

Compact cylinder DPCA-...-P/S, single-acting

Technical data

Operating and environmental conditions								
Piston diameter		1/2	3/4	1 1/8	1 5/8	2	2 1/2	3
Operating pressure	[psi]	15 ... 150						
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]						
Information on operating and pilot media		Operation with oil lubrication possible (required for further use)						
Ambient temperature[1)]	[°F]	–25 ... +250						

1) Note operating range of proximity switches

Weights [lb]							
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3
Product weight	0.08 ... 0.46	0.14 ... 0.81	0.28 ... 1.39	0.6 ... 3.8	0.89 ... 3.95	1.43 ... 4.73	1.89 ... 5.72

Materials	
Cover	Wrought aluminum alloy
Dynamic seals	NBR
	FPM
Piston rod	High-alloy steel
Cylinder barrel	Wrought aluminum alloy
Note on materials	Contains paint-wetting impairment substances
	RoHS-compliant

Compact cylinder DPCA-...-P/S, single-acting

Technical data

FESTO

Forces [lbs] at 80 psi							
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3
[P] Single-acting, pulling (spring extend)							
Start of stroke/end of stroke [in]							
1/16	10,3/9	26,8/25,8	–	–	–	–	–
1/8	10,3/9	26,1/24,3	58/55,5	127,5/121	207,5/201	351,4/345,6	524,2/518,4
3/16	–	–	59/55,5	–	–	–	–
1/4	11,3/9	27,3/24,3	60/55,5	131,5/121	211,5/201	355,1/345,6	518,4/511,9
3/8	10,8/8,8	26,3/24,1	–	–	206,5/196	–	–
1/2	11,3/8,8	26,8/24,1	60,5/52,5	130,5/117,5	209/196	352,1/339,1	523,9/514,9
5/8	–	–	–	–	–	–	–
3/4	–	–	60,1/46,9	132/118,5	210/198	352,6/342,1	525,4/514,9
1	–	–	60,7/45,8	131,2/116	211,3/196	352,4/337,1	525,4/514,9
1 1/4	–	–	61,5/47,2	–	–	–	–
1 1/2	–	–	59,7/45,9	–	–	–	525,2/509,9
1 3/4	–	–	–	–	–	–	–
2	–	–	–	–	–	–	–
[S] Single-acting, pushing (spring retract)							
Start of stroke/end of stroke [in]							
1/16	14/12,8	33,2/32,2	–	–	–	–	–
1/8	14/12,8	32,5/30,7	73,2/70,7	150,6/145,6	239,2/233,2	380,8/374,8	553,6/547,6
3/16	–	–	74,2/70,7	–	–	–	–
1/4	15,1/12,8	33,7/30,7	75,2/70,7	157,1/145,6	245/233,2	386,8/374,8	553,6/547,1
3/8	14,8/12,8	32,7/30,5	–	–	239,2/230,2	–	–
1/2	15,3/12,8	33,2/30,5	75,4/67,4	157,1/145,6	244,2/231,2	385,8/372,8	559,1/550,1
5/8	14,1/12,5	32,7/30,4	–	–	–	–	–
3/4	14,8/12,8	32,7/30,4	74,8/61,5	159,6/147,6	246,2/235,7	387,8/377,3	560,6/550,1
1	15/12,5	33/30,3	75,5/60,6	160,8/145,6	246,5/231,2	388,1/372,8	560,9/545,6
1 1/4	14,3/10,3	33,7/30,2	74,2/61,4	–	–	–	–
1 1/2	14,7/10,7	33,9/29,9	74,6/60,9	159,6/147,6	246,2/231,2	385,5/372,8	558,3/545,6
1 3/4	–	–	76,7/57	–	–	–	–
2	14,7/9,3	33,9/28,5	76,4/61,5	–	–	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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Forces [lbs] at 80 psi							
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3
[P] Single-acting, pulling (spring extend) [L4] Additional PTFE piston guide ring							
Start of stroke/end of stroke [in]							
1/16	–	–	59/55,5	–	–	–	–
1/8	10,3/9	27,3/24,3	60/55,5	–	205,3/198	–	–
1/4	10,3/9	26,3/24	–	131,5/121	209/196	346,4/339,1	518,7/513,3
3/8	11,3/9	26,8/24	60,5/55,5	–	–	–	–
1/2	–	–	–	130,5/117,5	210/198	345,2/336,5	519,8/511,1
5/8	–	–	57,9/46,9	–	–	–	–
3/4	–	–	–	132/118,5	211,3/196	347,4/335	521,9/509,6
7/8	–	–	58,9/45,8	–	–	–	–
1	–	–	–	–	–	–	–
1 1/8	–	–	60/47,2	–	–	–	–
1 1/4	–	–	–	–	–	–	–
1 3/8	–	–	58,5/45,9	–	–	–	–
1 1/2	–	–	–	–	–	–	–
1 5/8	–	–	–	–	–	–	–
1 7/8	–	–	–	–	–	–	–
2	–	–	–	–	–	–	–
[S] Single-acting, pushing (spring retract) [L4] Additional PTFE piston guide ring							
Start of stroke/end of stroke [in]							
1/16	–	–	74,2/70,7	–	–	–	–
1/8	13,2/12,8	32,4/30,7	75,2/70,7	–	239,9/230,2	–	–
1/4	14/12,8	33,7/30,7	–	157,1/145,6	243,9/231,2	379,7/372,8	553,9/548,6
3/8	14,8/12,8	32,7/30,4	75,4/67,4	–	–	–	–
1/2	14,1/12,5	32,7/30,4	–	157,1/145,6	245/235,7	382,2/377,3	555/546,3
5/8	14,1/12,5	32,7/30,4	74,8/61,5	–	–	–	–
3/4	16	–	–	159,6/147,6	243,6/231,2	384,8/372,8	557,7/545,6
7/8	–	–	75,5/60,6	–	–	–	–
1	15/12,5	33,7/30,3	–	–	–	–	–
1 1/8	–	–	74,2/61,4	–	–	–	–
1 1/4	14,3/10,3	34/30,2	–	158,5/145,6	246,4/231,2	383,3/372,8	556,1/545,6
1 3/8	–	–	74,6/60,9	–	–	–	–
1 1/2	14,7/10,7	33,9/29,9	–	–	–	–	–
1 5/8	–	–	76,7/57	–	–	–	–
1 7/8	–	–	76,4/61,5	–	–	–	–
2	14,7/10,7	33,9/28,9	–	–	–	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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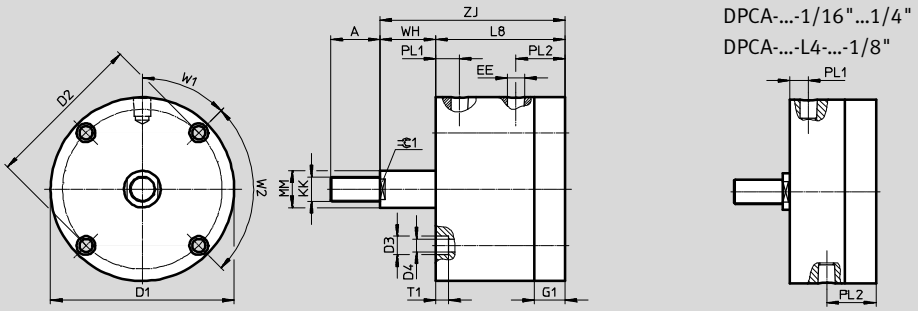
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[P] Single-acting, pulling (spring extend)



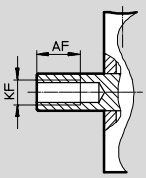
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK		L8	
							[N]			[N]		[L4]
1/16	0.5	1.13	0.88	0.23	0.14	M5	10-32	0.19	M4	8-32 UNC-2A	0.7575	–
1/8	0.5	1.13	0.88	0.23	0.14	M5	10-32	0.19	M4	8-32 UNC-2A	0.905	1.005
1/4	0.5	1.13	0.88	0.23	0.14	M5	10-32	0.19	M4	8-32 UNC-2A	1.01	1.29
3/8	0.5	1.13	0.88	0.23	0.14	M5	10-32	0.19	M4	8-32 UNC-2A	1.295	1.415
1/2	0.5	1.13	0.88	0.23	0.14	M5	10-32	0.19	M4	8-32 UNC-2A	1.42	–

Stroke [in]	MM ∅	PL1		PL2	T1		W1	W2	WH	ZJ		⌀1
			[L4]			[L4]					[L4]	
1/16	0.25	0.3275	–	0.31	0.1275	–	90°	–	0.1925	0.95	–	0.19
1/8	0.25	0.325	0.325	0.31	0.135	0.125	90°	–	0.255	1.16	1.26	0.19
1/4	0.25	0.33	0.32	0.31	0.13	0.13	90°	–	0.38	1.39	1.67	0.19
3/8	0.25	0.325	0.325	0.31	0.135	0.125	90°	–	0.505	1.8	1.92	0.19
1/2	0.25	0.33	–	0.31	0.13	–	90°	–	0.63	2.05	–	0.19

Dimensions – Piston diameter 1/2

[P] Single-acting, pulling (spring extend)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/16	0,25	–	M4	8-32 UNC-2B
1/8	0,25	0,25	M4	8-32 UNC-2B
1/4	0,25	0,25	M4	8-32 UNC-2B
3/8	0,38	0,38	M4	8-32 UNC-2B
1/2	0,38	–	M4	8-32 UNC-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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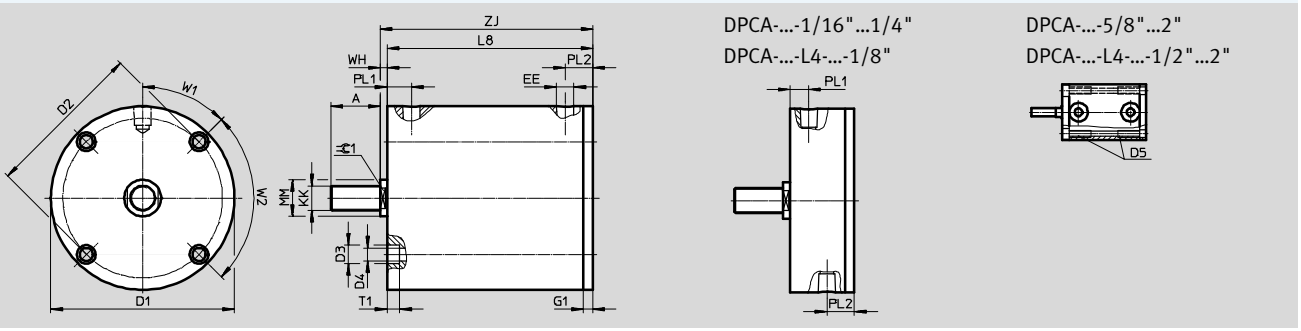
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅		D4 ∅		D5		EE		G1	KK	
					[L4]		[L4]		[L4]		[N]			[N]
1/16	0.5	1.13	0.88	0.23	–	0.14	–	–	–	M5	10-32	0.13	M4	8-32 UNC-2A
1/8	0.5	1.13	0.88	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.13	M4	8-32 UNC-2A
1/4	0.5	1.13	0.88	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.13	M4	8-32 UNC-2A
3/8	0.5	1.13	0.88	0.23	0.23	0.14	0.14	–	–	M5	10-32	0.13	M4	8-32 UNC-2A
1/2	0.5	1.13	0.88	0.23	–	0.14	–	–	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
5/8	0.5	1.13	0.88	–	–	–	–	6-32x0.44	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
3/4	0.5	1.13	0.88	–	–	–	–	6-32x0.44	–	M5	10-32	0.13	M4	8-32 UNC-2A
1	0.5	1.13	0.88	–	–	–	–	6-32x0.44	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
1 1/4	0.5	1.13	0.88	–	–	–	–	6-32x0.44	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
1 1/2	0.5	1.13	0.88	–	–	–	–	6-32x0.44	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A
2	0.5	1.13	0.88	–	–	–	–	6-32x0.44	6-32x0.44	M5	10-32	0.13	M4	8-32 UNC-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1		W1	W2	WH	ZJ		⌯ 1
		[L4]					[L4]					[L4]	
1/16	0.7	–	0.25	0.33	0.31	0.14	–	90°	–	0.13	0.83	–	0.19
1/8	0.83	0.95	0.25	0.33	0.31	0.14	0.14	90°	–	0.13	0.96	1.08	0.19
1/4	0.95	1.23	0.25	0.33	0.31	0.14	0.14	90°	–	0.13	1.08	1.36	0.19
3/8	1.23	1.36	0.25	0.33	0.31	0.14	0.14	90°	–	0.13	1.36	1.49	0.19
1/2	1.36	1.7	0.25	0.33	0.31	0.14	–	90°	–	0.13	1.49	1.83	0.19
5/8	1.7	2.2	0.25	0.33	0.31	–	–	90°	–	0.13	1.83	2.33	0.19
3/4	2.2	–	0.25	0.33	0.31	–	–	90°	–	0.13	2.33	–	0.19
1	2.83	2.83	0.25	0.42	0.31	–	–	90°	–	0.13	2.96		0.19
1 1/4	2.83	2.83	0.25	0.42	0.31	–	–	90°	–	0.13	2.96		0.19
1 1/2	3.83	3.83	0.25	0.42	0.31	–	–	90°	–	0.13	3.96		0.19
2	3.83	3.83	0.25	0.42	0.31	–	–	90°	–	0.13	3.96		0.19

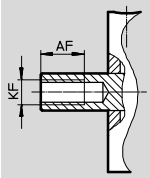
Compact cylinder DPCA-...-P/S, single-acting

Technical data

Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)

[F] Internal thread



Stroke [in]	AF	AF [L4]	KF	[N]
1/16	0,25	–	M4	8-32 UNC-2B
1/8	0,25	0,38	M4	8-32 UNC-2B
1/4	0,38	0,38	M4	8-32 UNC-2B
3/8	0,38	0,38	M4	8-32 UNC-2B
1/2	0,38	0,38	M4	8-32 UNC-2B
5/8	0,38	0,38	M4	8-32 UNC-2B
3/4	0,38	–	M4	8-32 UNC-2B
1	0,38	0,38	M4	8-32 UNC-2B
1 1/4	0,38	0,38	M4	8-32 UNC-2B
1 1/2	0,38	0,38	M4	8-32 UNC-2B
2	0,38	0,38	M4	8-32 UNC-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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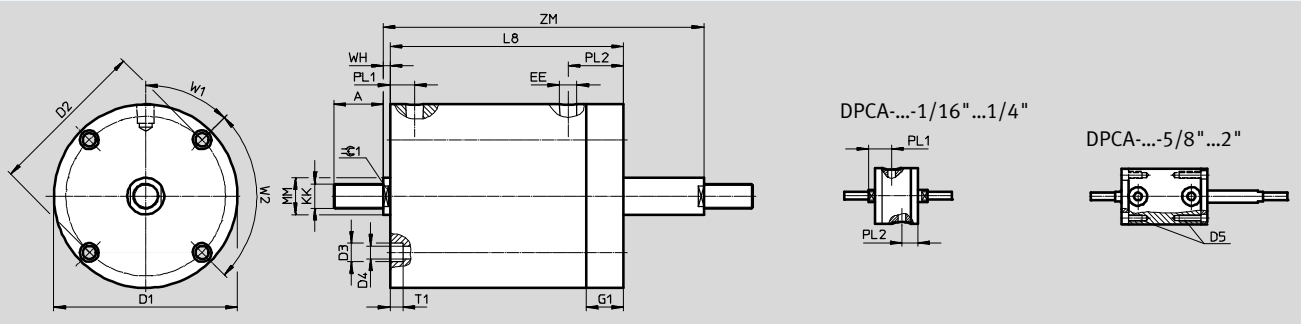
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	KK	
								[N]			[N]
1/16	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
1/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
1/4	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
3/8	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
1/2	0.5	1.13	0.88	0.23	0.14	–	M5	10-32	0.14	M4	8-32 UNC-2A
5/8	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
3/4	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
1	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
1 1/4	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
1 1/2	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A
2	0.5	1.13	0.88	–	–	6-32x0.44	M5	10-32	0.14	M4	8-32 UNC-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌯C1
1/16	0.87	0.25	0.33	0.33	0.14	90°	–	0.13	1.1925	0.19
1/8	1	0.25	0.33	0.33	0.14	90°	–	0.13	1.385	0.19
1/4	1.12	0.25	0.33	0.33	0.14	90°	–	0.13	1.63	0.19
3/8	1.42	0.25	0.33	0.33	0.14	90°	–	0.13	2.055	0.19
1/2	1.54	0.25	0.33	0.33	0.14	90°	–	0.13	2.3	0.19
5/8	1.75	0.25	0.33	0.33	–	90°	–	0.13	2.635	0.19
3/4	2.25	0.25	0.33	0.33	–	90°	–	0.13	3.26	0.19
1	2.75	0.25	0.33	0.33	–	90°	–	0.13	4.01	0.19
1 1/4	2.75	0.25	0.33	0.33	–	90°	–	0.13	4.26	0.19
1 1/2	3.75	0.25	0.33	0.33	–	90°	–	0.13	5.51	0.19
2	3.75	0.25	0.33	0.33	–	90°	–	0.13	6.01	0.19

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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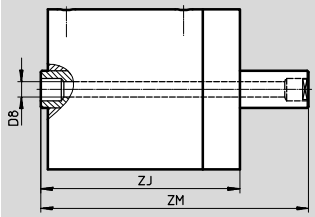
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/16	1/16	1	1.1925
1/8	1/16	1	1.255
1/4	1/16	1.13	1.51
3/8	1/16	1.25	1.755
1/2	1/16	1.38	2.01
5/8	1/16	1.5	2.255
3/4	1/16	1.63	2.51
1	1/16	1.88	3.01
1 1/4	1/16	2.13	3.51
1 1/2	1/16	2.38	4.01
2	1/16	2.88	5.01

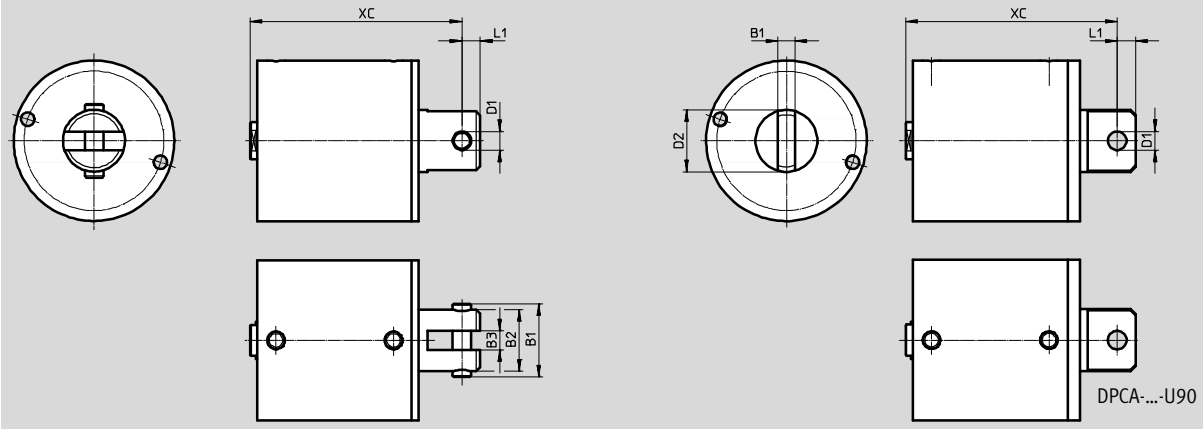
Dimensions – Piston diameter 1/2 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°

[U] With swiveling rod eye

[U90] With swiveling rod eye, rotated 90°



Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]			[S]	[L4-S]	[P]	[L4-P]
1/16	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.27	–	1.39	–
1/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.4	1.52	1.6	1.7
1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.52	1.8	1.83	2.11
3/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.8	1.93	2.24	2.36
1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.93	2.27	2.49	–
5/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.27	2.77	–	–
3/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.77	–	–	–
1	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	3.4	3.4	–	–
1 1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	3.4	3.4	–	–
1 1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	4.4	4.4	–	–
2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	4.4	4.4	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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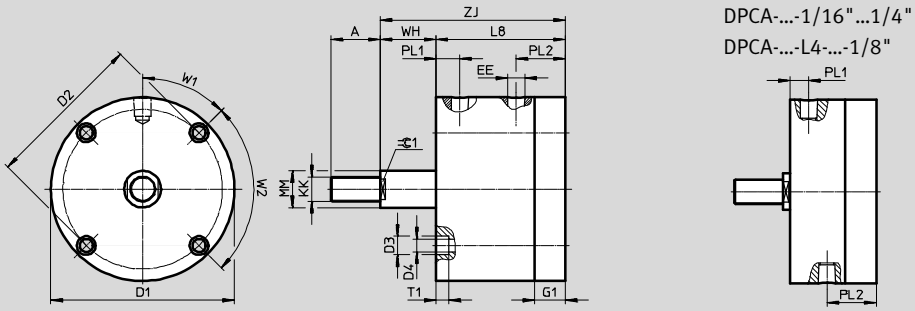
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[P] Single-acting, pulling (spring extend)



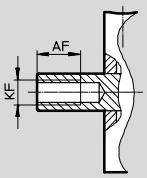
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅		EE		G1	KK		L8	
						[L4]		[N]			[N]		[L4]
1/16	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.19	M5	10-32 UNF-2A	0.7575	–
1/8	0.5	1.5	1.19	0.23	0.14	0.13	M5	10-32	0.19	M5	10-32 UNF-2A	0.905	1.005
1/4	0.5	1.5	1.19	0.23	0.14	0.13	M5	10-32	0.19	M5	10-32 UNF-2A	1.01	1.29
3/8	0.5	1.5	1.19	0.23	0.14	0.13	M5	10-32	0.19	M5	10-32 UNF-2A	1.295	1.415
1/2	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.19	M5	10-32 UNF-2A	1.42	–

Stroke [in]	MM ∅	PL1		PL2	T1		W1	W2	WH	ZJ		⌀C1
			[L4]			[L4]					[L4]	
1/16	0.31	0.3275	–	0.31	0.1275	–	90°	–	0.1925	0.95	–	0.25
1/8	0.31	0.325	0.325	0.31	0.135	0.125	90°	–	0.255	1.16	1.26	0.25
1/4	0.31	0.33	0.32	0.31	0.13	0.13	90°	–	0.38	1.39	1.67	0.25
3/8	0.31	0.325	0.325	0.31	0.135	0.125	90°	–	0.505	1.8	1.92	0.25
1/2	0.31	0.33	–	0.31	0.13	–	90°	–	0.63	2.05	–	0.25

Dimensions – Piston diameter 3/4

[P] Single-acting, pulling (spring extend)

[F] Internal thread



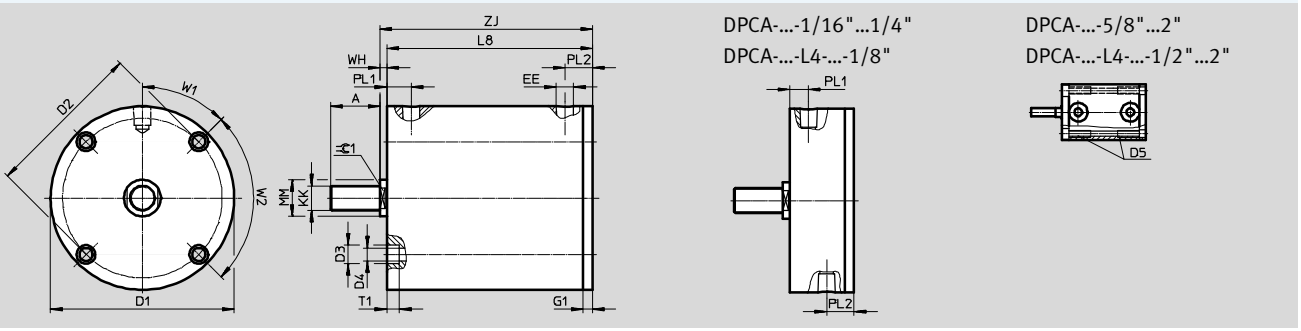
Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/16	0,25	–	M5	10-32 UNF-2B
1/8	0,25	0,25	M5	10-32 UNF-2B
1/4	0,25	0,25	M5	10-32 UNF-2B
3/8	0,38	0,38	M5	10-32 UNF-2B
1/2	0,38	–	M5	10-32 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅		D4 ∅		D5		EE		G1	KK	
					[L4]		[L4]		[L4]		[N]			[N]
1/16	0.5	1.5	1.19	0.23	–	0.14	–	–	–	M5	10-32	0.13	M5	10-32 UNF-2A
1/8	0.5	1.5	1.19	0.23	0.23	0.14	0.13	–	–	M5	10-32	0.13	M5	10-32 UNF-2A
1/4	0.5	1.5	1.19	0.23	0.23	0.14	0.13	–	–	M5	10-32	0.13	M5	10-32 UNF-2A
3/8	0.5	1.5	1.19	0.23	0.23	0.14	0.13	–	–	M5	10-32	0.13	M5	10-32 UNF-2A
1/2	0.5	1.5	1.19	0.23	–	0.14	–	–	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
5/8	0.5	1.5	1.19	–	–	–	–	8-32x0.44	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
3/4	0.5	1.5	1.19	–	–	–	–	8-32x0.44	–	M5	10-32	0.13	M5	10-32 UNF-2A
1	0.5	1.5	1.19	–	–	–	–	8-32x0.44	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
1 1/4	0.5	1.5	1.19	–	–	–	–	8-32x0.44	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
1 1/2	0.5	1.5	1.19	–	–	–	–	8-32x0.44	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A
2	0.5	1.5	1.19	–	–	–	–	8-32x0.44	8-32x0.44	M5	10-32	0.13	M5	10-32 UNF-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1		W1	W2	WH	ZJ		⫷1
		[L4]					[L4]					[L4]	
1/16	0.7	–	0.31	0.33	0.31	0.14	–	90°	–	0.13	0.83	–	0.25
1/8	0.83	0.95	0.31	0.33	0.31	0.14	0.14	90°	–	0.13	0.96	1.08	0.25
1/4	0.95	1.23	0.31	0.33	0.31	0.14	0.14	90°	–	0.13	1.08	1.36	0.25
3/8	1.23	1.36	0.31	0.33	0.31	0.14	0.14	90°	–	0.13	1.36	1.49	0.25
1/2	1.36	1.7	0.31	0.33	0.31	0.14	–	90°	–	0.13	1.49	1.83	0.25
5/8	1.7	2.2	0.31	0.33	0.31	–	–	90°	–	0.13	1.83	2.33	0.25
3/4	2.2	–	0.31	0.33	0.31	–	–	90°	–	0.13	2.33	–	0.25
1	2.83	2.83	0.31	0.42	0.31	–	–	90°	–	0.13	2.96		0.25
1 1/4	2.83	2.83	0.31	0.42	0.31	–	–	90°	–	0.13	2.96		0.25
1 1/2	3.83	3.83	0.31	0.42	0.31	–	–	90°	–	0.13	3.96		0.25
2	3.83	3.83	0.31	0.42	0.31	–	–	90°	–	0.13	3.96		0.25

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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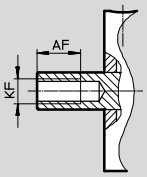
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)

[F] Internal thread



Stroke [in]	AF	AF [L4]	KF	[N]
1/16	0,25	–	M5	10-32 UNF-2B
1/8	0,25	0,38	M5	10-32 UNF-2B
1/4	0,38	0,38	M5	10-32 UNF-2B
3/8	0,38	0,38	M5	10-32 UNF-2B
1/2	0,38	0,38	M5	10-32 UNF-2B
5/8	0,38	0,38	M5	10-32 UNF-2B
3/4	0,38	–	M5	10-32 UNF-2B
1	0,38	0,38	M5	10-32 UNF-2B
1 1/4	0,38	0,38	M5	10-32 UNF-2B
1 1/2	0,38	0,38	M5	10-32 UNF-2B
2	0,38	0,38	M5	10-32 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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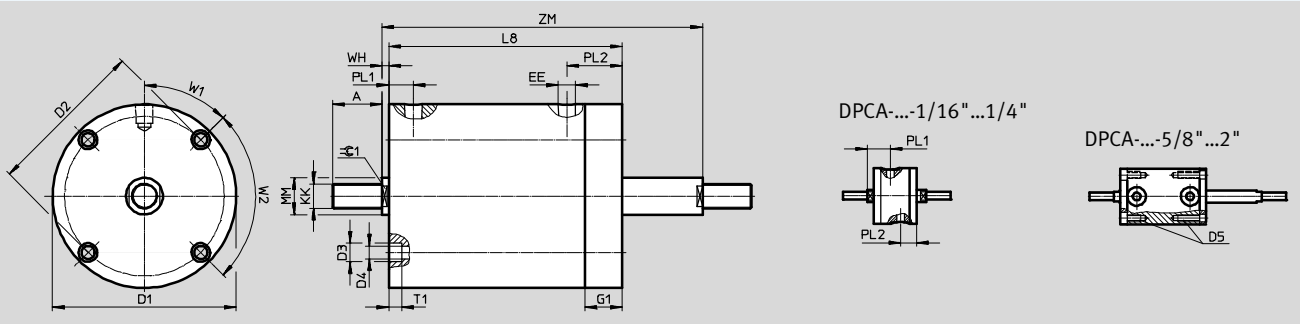
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	KK	
								[N]			[N]
1/16	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.14	M5	10-32 UNF-2A
1/8	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.14	M5	10-32 UNF-2A
1/4	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.14	M5	10-32 UNF-2A
3/8	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.14	M5	10-32 UNF-2A
1/2	0.5	1.5	1.19	0.23	0.14	–	M5	10-32	0.14	M5	10-32 UNF-2A
5/8	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
3/4	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
1	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
1 1/4	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
1 1/2	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A
2	0.5	1.5	1.19	–	–	8-32x0.44	M5	10-32	0.14	M5	10-32 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⫷ 1
1/16	0.87	0.31	0.33	0.33	0.14	90°	–	0.13	1.1925	0.25
1/8	1	0.31	0.33	0.33	0.14	90°	–	0.13	1.385	0.25
1/4	1.12	0.31	0.33	0.33	0.14	90°	–	0.13	1.63	0.25
3/8	1.42	0.31	0.33	0.33	0.14	90°	–	0.13	2.055	0.25
1/2	1.54	0.31	0.33	0.33	0.14	90°	–	0.13	2.3	0.25
5/8	1.75	0.31	0.33	0.33	–	90°	–	0.13	2.635	0.25
3/4	2.25	0.31	0.33	0.33	–	90°	–	0.13	3.26	0.25
1	2.75	0.31	0.33	0.33	–	90°	–	0.13	4.01	0.25
1 1/4	2.75	0.31	0.33	0.33	–	90°	–	0.13	4.26	0.25
1 1/2	3.75	0.31	0.33	0.33	–	90°	–	0.13	5.51	0.25
2	3.75	0.31	0.33	0.33	–	90°	–	0.13	6.01	0.25

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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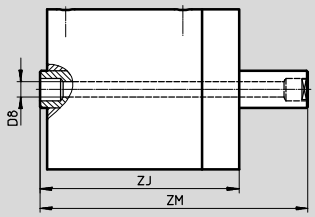
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/16	1/16	1	1.1925
1/8	1/16	1	1.255
1/4	1/16	1.13	1.51
3/8	1/16	1.25	1.755
1/2	1/16	1.38	2.01
5/8	1/16	1.5	2.255
3/4	1/16	1.63	2.51
1	1/16	1.88	3.01
1 1/4	1/16	2.13	3.51
1 1/2	1/16	2.38	4.01
2	1/16	2.88	5.01

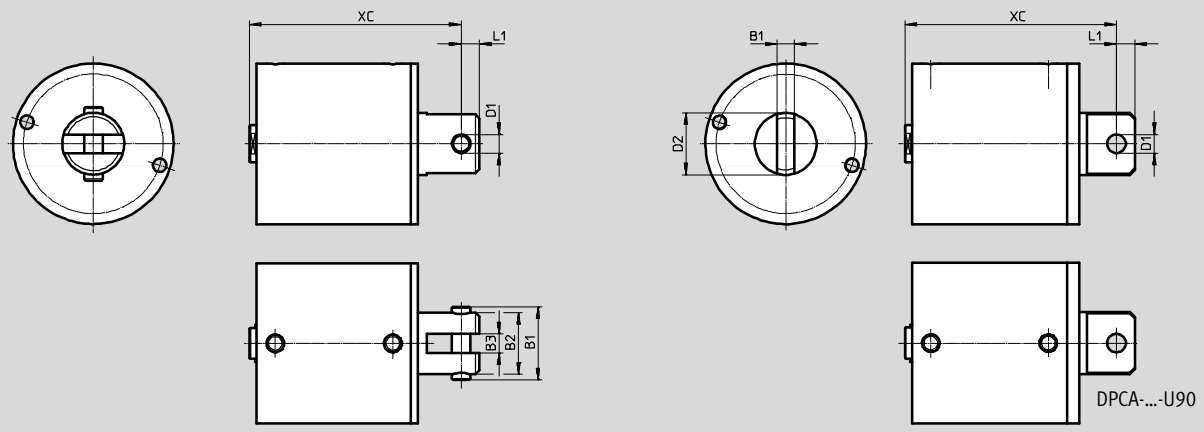
Dimensions – Piston diameter 3/4 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°

[U] With swiveling rod eye

[U90] With swiveling rod eye, rotated 90°



Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]			[S]	[L4-S]	[P]	[L4-P]
1/16	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.27	–	1.39	–
1/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.4	1.52	1.6	1.7
1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.52	1.8	1.83	2.11
3/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.8	1.93	2.24	2.36
1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	1.93	2.27	2.49	–
5/8	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.27	2.77	–	–
3/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	2.77	–	–	–
1	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	3.4	3.4	–	–
1 1/4	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	3.4	3.4	–	–
1 1/2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	4.4	4.4	–	–
2	0.83	0.23	0.63	0.25	0.25	0.251	0.63	0.25	4.4	4.4	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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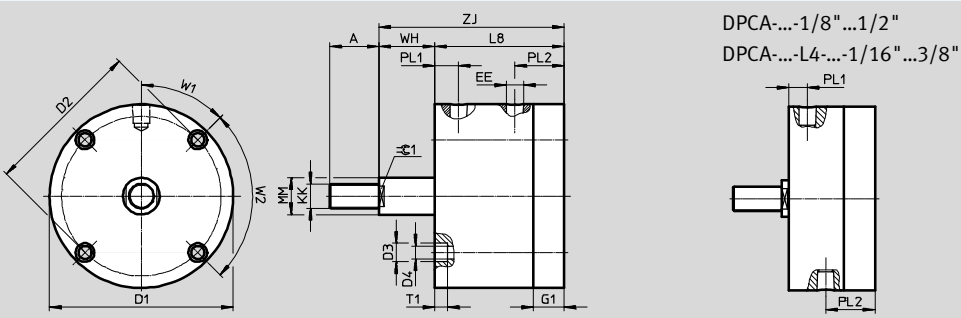
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[P] Single-acting, pulling (spring extend)



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/16	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1/8	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
3/16	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1/4	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
3/8	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1/2	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
5/8	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
3/4	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
7/8	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1 1/8	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1 1/4	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1 3/8	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A
1 1/2	0.75	1.99	1.69	0.32	0.2	G1/8	1/8 NPT	0.38	M8	5/16-24 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZJ	⌀C 1
1/16	1.1275	0.5	0.3075	0.82	0.19	90°	–	0.2025	1.33	0.44
1/8	1.135	0.5	0.315	0.82	0.195	90°	–	0.265	1.4	0.44
3/16	1.1325	0.5	0.3125	0.82	0.1925	90°	–	0.3275	1.46	0.44
1/4	1.13	0.5	0.31	0.82	0.19	90°	–	0.39	1.52	0.44
3/8	1.445	0.5	0.535	0.91	0.195	90°	–	0.515	1.96	0.44
1/2	1.44	0.5	0.53	0.91	0.19	90°	–	0.64	2.08	0.44
5/8	2.135	0.5	0.385	0.75	0.195	90°	–	0.765	2.9	0.44
3/4	2.13	0.5	0.38	0.75	0.19	90°	–	0.89	3.02	0.44
7/8	2.385	0.5	0.385	0.75	0.195	90°	–	1.015	3.4	0.44
1	2.38	0.5	0.38	0.75	0.19	90°	–	1.14	3.52	0.44
1 1/8	3.065	0.5	0.565	0.75	0.195	90°	–	1.265	4.33	0.44
1 1/4	3.06	0.5	0.56	0.75	0.19	90°	–	1.39	4.45	0.44
1 3/8	3.505	0.5	0.755	0.75	0.195	90°	–	1.515	5.02	0.44
1 1/2	3.5	0.5	0.75	0.75	0.19	90°	–	1.64	5.14	0.44

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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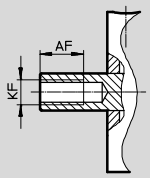
Dimensions – Piston diameter 1 1/8

[P] Single-acting, pulling (spring extend)

[F] Internal thread



Stroke [in]	AF	AF [L4]	KF	[N]
1/16	–	0,38	M8	5/16-24 UNF-2B
1/8	0,38	0,38	M8	5/16-24 UNF-2B
3/16	0,38	–	M8	5/16-24 UNF-2B
1/4	0,38	–	M8	5/16-24 UNF-2B
3/8	–	0,38	M8	5/16-24 UNF-2B
1/2	0,38	–	M8	5/16-24 UNF-2B
5/8	–	0,63	M8	5/16-24 UNF-2B
3/4	0,63	–	M8	5/16-24 UNF-2B
7/8	–	0,63	M8	5/16-24 UNF-2B
1	0,63	–	M8	5/16-24 UNF-2B
1 1/8	–	0,63	M8	5/16-24 UNF-2B
1 1/4	0,63	–	M8	5/16-24 UNF-2B
1 3/8	–	0,63	M8	5/16-24 UNF-2B
1 1/2	0,63	–	M8	5/16-24 UNF-2B
2	–	–	M8	5/16-24 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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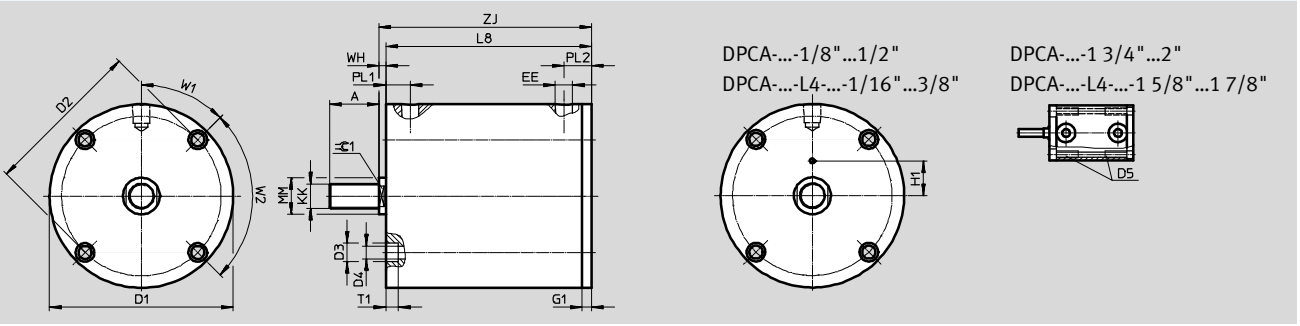
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	H1	KK	
								[N]				[N]
1/16	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	0.4	M8	5/16-24 UNF-2A
1/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	0.4	M8	5/16-24 UNF-2A
3/16	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	0.4	M8	5/16-24 UNF-2A
1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	0.4	M8	5/16-24 UNF-2A
3/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	0.4	M8	5/16-24 UNF-2A
1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	0.4	M8	5/16-24 UNF-2A
5/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
3/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
7/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1 1/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1 1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1 3/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1 1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1 5/8	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1 3/4	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
1 7/8	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A
2	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.13	–	M8	5/16-24 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZJ	⌯ 1
1/16	0.88	0.5	–	0.57	0.19	90°	–	0.14	1.02	0.44
1/8	0.88	0.5	–	0.57	0.19	90°	–	0.14	1.02	0.44
3/16	0.88	0.5	–	0.57	0.19	90°	–	0.14	1.02	0.44
1/4	0.88	0.5	–	0.57	0.19	90°	–	0.14	1.02	0.44
3/8	1.19	0.5	–	0.66	0.19	90°	–	0.14	1.33	0.44
1/2	1.19	0.5	–	0.66	0.19	90°	–	0.14	1.33	0.44
5/8	1.88	0.5	0.38	0.5	0.19	90°	–	0.14	2.02	0.44
3/4	1.88	0.5	0.38	0.5	0.19	90°	–	0.14	2.02	0.44
7/8	2.13	0.5	0.38	0.5	0.19	90°	–	0.14	2.27	0.44
1	2.13	0.5	0.38	0.5	0.19	90°	–	0.14	2.27	0.44
1 1/8	2.81	0.5	0.56	0.5	0.19	90°	–	0.14	2.95	0.44
1 1/4	2.81	0.5	0.56	0.5	0.19	90°	–	0.14	2.95	0.44
1 3/8	3.25	0.5	0.75	0.5	0.19	90°	–	0.14	3.39	0.44
1 1/2	3.25	0.5	0.75	0.5	0.19	90°	–	0.14	3.39	0.44
1 5/8	3.85	0.5	0.38	0.5	–	90°	–	0.14	3.99	0.44
1 3/4	3.85	0.5	0.38	0.5	–	90°	–	0.14	3.99	0.44
1 7/8	4.85	0.5	0.38	0.5	–	90°	–	0.14	3.99	0.44
2	4.85	0.5	0.38	0.5	–	90°	–	0.14	3.99	0.44

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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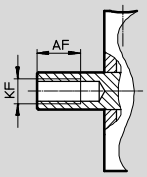
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)

[F] Internal thread



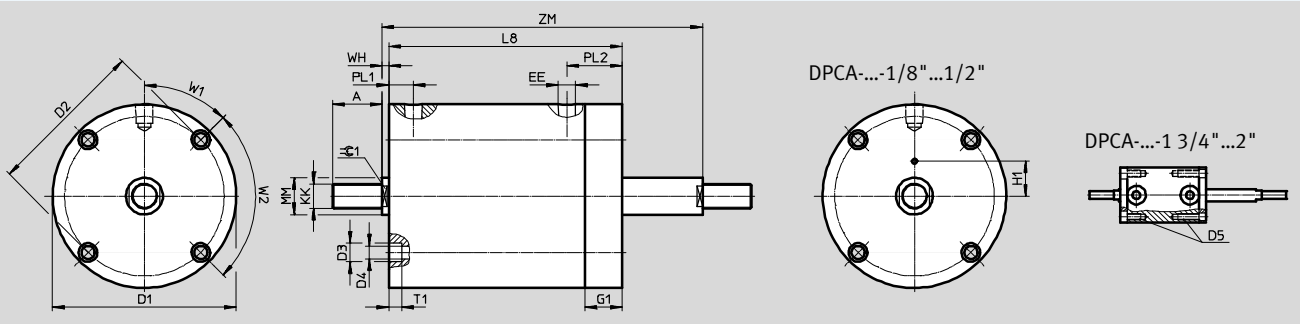
Stroke [in]	AF	AF [L4]	KF	[N]
1/16	–	0,38	M8	5/16-24 UNF-2B
1/8	0,38	0,38	M8	5/16-24 UNF-2B
3/16	0,38	–	M8	5/16-24 UNF-2B
1/4	0,38	–	M8	5/16-24 UNF-2B
3/8	–	0,38	M8	5/16-24 UNF-2B
1/2	0,38	–	M8	5/16-24 UNF-2B
5/8	–	0,63	M8	5/16-24 UNF-2B
3/4	0,63	–	M8	5/16-24 UNF-2B
7/8	–	0,63	M8	5/16-24 UNF-2B
1	0,63	–	M8	5/16-24 UNF-2B
1 1/8	–	0,63	M8	5/16-24 UNF-2B
1 1/4	0,63	–	M8	5/16-24 UNF-2B
1 3/8	–	0,63	M8	5/16-24 UNF-2B
1 1/2	0,63	–	M8	5/16-24 UNF-2B
1 5/8	–	0,63	M8	5/16-24 UNF-2B
1 3/4	0,63	–	M8	5/16-24 UNF-2B
1 7/8	–	0,63	M8	5/16-24 UNF-2B
2	0,63	–	M8	5/16-24 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	D5	EE		G1	H1	KK	
								[N]				[N]
1/8	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	0.4	M8	5/16-24 UNF-2A
3/16	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	0.4	M8	5/16-24 UNF-2A
1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	0.4	M8	5/16-24 UNF-2A
1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	0.4	M8	5/16-24 UNF-2A
3/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	–	M8	5/16-24 UNF-2A
1	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	–	M8	5/16-24 UNF-2A
1 1/4	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	–	M8	5/16-24 UNF-2A
1 1/2	0.75	1.99	1.69	0.32	0.2	–	G1/8	1/8 NPT	0.47	–	M8	5/16-24 UNF-2A
1 3/4	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.47	–	M8	5/16-24 UNF-2A
2	0.75	1.99	1.69	–	–	10-32x0.5	G1/8	1/8 NPT	0.47	–	M8	5/16-24 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌯ 1
1/8	1.22	0.5	–	0.91	0.18	90°	–	0.14	1.625	0.44
3/16	1.22	0.5	–	0.91	0.18	90°	–	0.14	1.6875	0.44
1/4	1.22	0.5	–	0.91	0.18	90°	–	0.14	1.75	0.44
1/2	1.53	0.5	–	1	0.19	90°	–	0.14	2.31	0.44
3/4	2.22	0.5	0.38	0.84	0.19	90°	–	0.14	3.25	0.44
1	2.47	0.5	0.38	0.84	0.19	90°	–	0.14	3.75	0.44
1 1/4	3.16	0.5	0.56	0.85	0.2	90°	–	0.14	4.69	0.44
1 1/2	3.6	0.5	0.75	0.85	0.2	90°	–	0.14	5.38	0.44
1 3/4	4.19	0.5	0.38	0.84	–	90°	–	0.14	6.22	0.44
2	4.19	0.5	0.38	0.84	–	90°	–	0.14	6.47	0.44

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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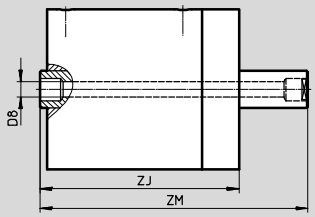
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

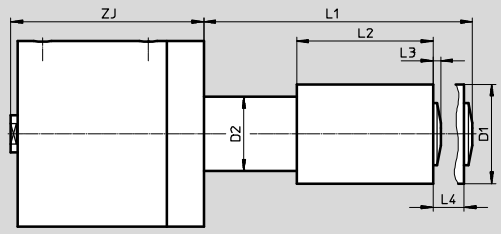
[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	5/32	1.36	1.625
3/16	5/32	1.36	1.6875
1/4	5/32	1.36	1.75
1/2	5/32	1.67	2.31
3/4	5/32	2.11	3
1	5/32	2.36	3.5
1 1/4	5/32	2.61	4
1 1/2	5/32	2.86	4.5
1 3/4	5/32	3.3	5.19
2	5/32	3.74	5.88

Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	1.5	1.13	1.4	0.63	0.14	0.5	1.36
3/16	1.5	1.13	1.53	0.69	0.15	0.5	1.36
1/4	1.5	1.13	1.66	0.75	0.16	0.5	1.36
1/2	1.5	1.13	2.16	1	0.16	0.5	1.67
3/4	1.5	1.13	2.66	1.25	0.16	0.5	2.36
1	1.5	1.13	3.16	1.5	0.16	0.5	2.61
1 1/4	1.5	1.13	3.66	1.75	0.16	0.5	3.3
1 1/2	1.5	1.13	4.16	2	0.16	0.5	3.74
1 3/4	1.5	1.13	4.66	2.25	0.16	0.5	4.33
2	1.5	1.13	5.16	2.5	0.16	0.5	4.33

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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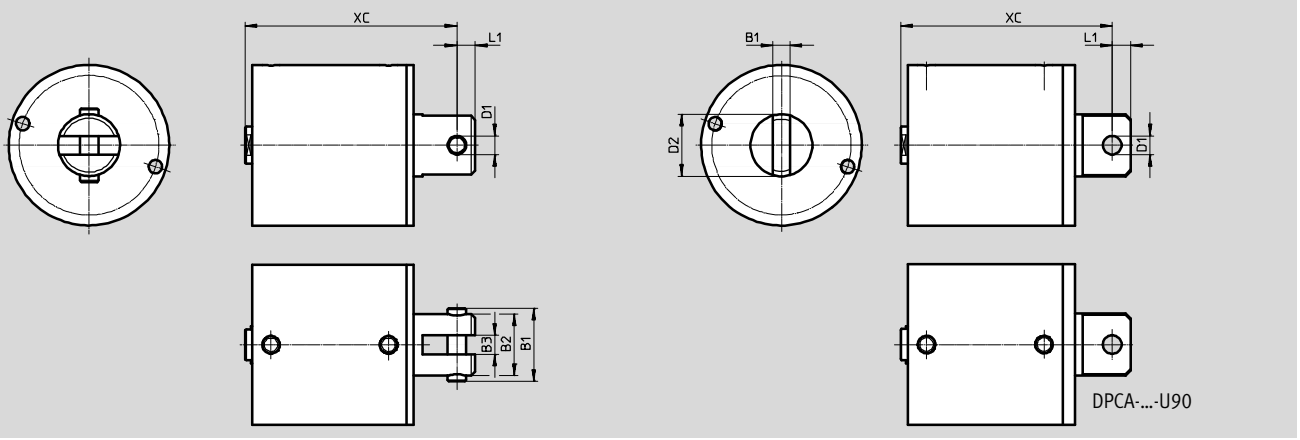
Dimensions – Piston diameter 1 1/8 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis
[D90] With swivel clevis, rotated 90°
[U] With swiveling rod eye
[U90] With swiveling rod eye, rotated 90°



Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]			[S]	[L4-S]	[P]	[L4-P]
1/16	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	1.83	–	2.14
1/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	1.83	1.83	2.21	2.21
3/16	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	1.83	–	2.27	–
1/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	1.83	–	2.33	–
3/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	2.14	–	2.77
1/2	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	2.14		2.89	–
5/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	2.83	–	3.71
3/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	2.83	–	3.83	–
7/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	3.08	–	4.21
1	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	3.08	–	4.33	–
1 1/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	3.76	–	5.14
1 1/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	3.76	–	5.26	–
1 3/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	4.2	–	5.83
1 1/2	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	4.2	–	5.95	–
1 5/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	4.8	–	–
1 3/4	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	4.8	–	–	–
1 7/8	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	–	4.8	–	–
2	1.21	0.3	1	0.31	0.3125	0.3135	1	0.37	4.8	–	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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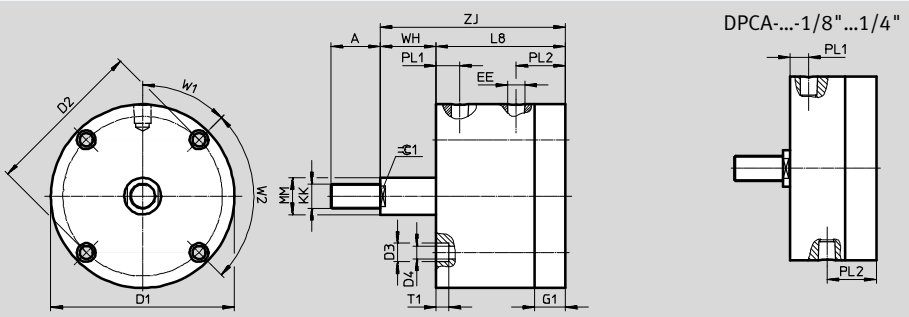
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[P] Single-acting, pulling (spring extend)



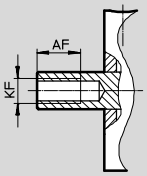
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1		KK	
							[N]		[L4]		[N]
1/8	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.5	–	M10	3/8-24 UNF-2A
1/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.5	0.5	M10	3/8-24 UNF-2A
1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.5	0.5	M10	3/8-24 UNF-2A
3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.5	0.63	M10	3/8-24 UNF-2A
1	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.63	–	M10	3/8-24 UNF-2A

Stroke [in]	L8		MM ∅	PL1		PL2		T1		W1	W2	WH	ZJ		⌀C 1
		[L4]			[L4]		[L4]		[L4]					[L4]	
1/8	1.385	–	0.62	0.505	–	0.88	–	0.195	–	90°	–	0.265	1.65	–	0.5
1/4	1.5	2	0.62	0.5	0.38	1	0.87	0.18	0.18	90°	–	0.39	1.89	2.39	0.5
1/2	2	2.25	0.62	0.38	0.38	0.87	0.82	0.18	0.18	90°	–	0.64	2.64	2.89	0.5
3/4	2.25	2.69	0.62	0.38	0.38	0.87	1	0.18	0.19	90°	–	0.89	3.14	3.58	0.5
1	2.69	–	0.62	0.38	–	1	–	0.19	–	90°	–	1.14	3.83	–	0.5

Dimensions – Piston diameter 1 5/8

[P] Single-acting, pulling (spring extend)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/8	0,38	–	M10	3/8-24 UNF-2B
1/4	0,44	0,63	M10	3/8-24 UNF-2B
3/8	–	–	M10	3/8-24 UNF-2B
1/2	0,63	0,63	M10	3/8-24 UNF-2B
3/4	0,63	0,75	M10	3/8-24 UNF-2B
1	0,75	–	M10	3/8-24 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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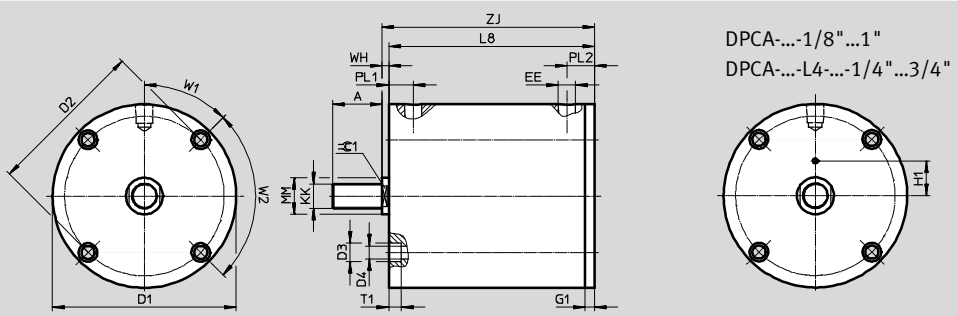
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)



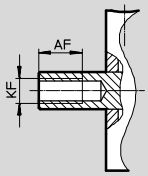
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1			KK
							[N]			[L4]		[N]
1/8	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.66	–	M10	3/8-24 UNF-2A
1/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.66	0.66	M10	3/8-24 UNF-2A
1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.66	0.66	M10	3/8-24 UNF-2A
3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.66	0.66	M10	3/8-24 UNF-2A
1	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	0.66	–	M10	3/8-24 UNF-2A
1 1/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	–	M10	3/8-24 UNF-2A
1 1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.13	–	–	M10	3/8-24 UNF-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1	W1	W2	WH	ZJ		C 1
		[L4]									[L4]	
1/8	1	–	0.62	–	0.5	0.19	90°	–	0.14	1.14	–	0.5
1/4	1.13	1.63	0.62	–	0.5	0.19	90°	–	0.14	1.27	1.77	0.5
1/2	1.68	1.88	0.62	–	0.5	0.19	90°	–	0.14	1.77	2.02	0.5
3/4	1.88	2.19	0.62	–	0.5	0.19	90°	–	0.14	2.02	2.33	0.5
1	2.19	–	0.62	–	0.5	0.19	90°	–	0.14	2.33	–	0.5
1 1/4	–	4.19	0.62	0.38	0.5	0.19	90°	–	0.14	–	4.33	0.5
1 1/2	4.19	–	0.62	0.38	0.5	0.19	90°	–	0.14	4.33	–	0.5

Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/8	0,38	–	M10	3/8-24 UNF-2B
1/4	0,44	0,63	M10	3/8-24 UNF-2B
1/2	0,63	0,63	M10	3/8-24 UNF-2B
3/4	0,63	0,75	M10	3/8-24 UNF-2B
1	0,75	–	M10	3/8-24 UNF-2B
1 1/4	–	0,75	M10	3/8-24 UNF-2B
1 1/2	0,75	–	M10	3/8-24 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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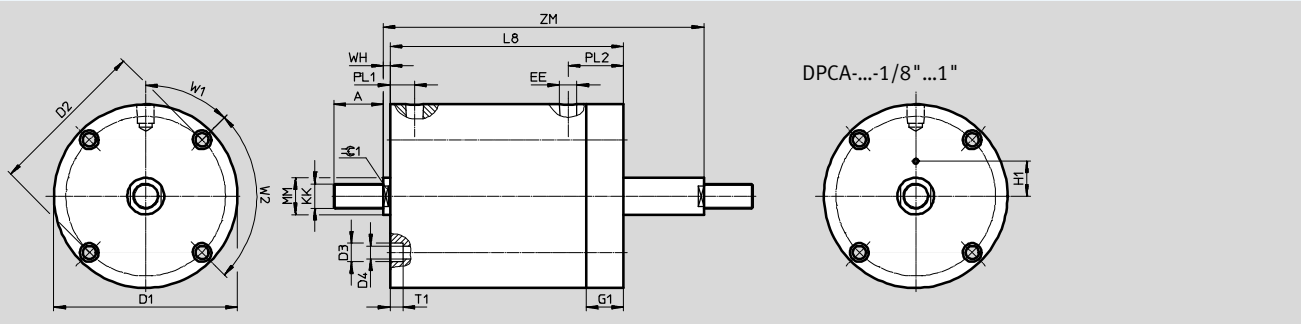
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[T] Through piston rod



Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1	KK	
							[N]				[N]
1/8	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	0.66	M10	3/8-24 UNF-2A
1/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	0.66	M10	3/8-24 UNF-2A
1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	0.66	M10	3/8-24 UNF-2A
3/4	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	0.66	M10	3/8-24 UNF-2A
1	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	0.66	M10	3/8-24 UNF-2A
1 1/2	0.88	2.74	2.38	0.32	0.2	G1/8	1/8 NPT	0.6	–	M10	3/8-24 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌯1
1/8	1.47	0.62	–	0.97	0.19	90°	–	0.14	1.875	0.5
1/4	1.6	0.62	–	0.97	0.19	90°	–	0.14	2.13	0.5
1/2	2.1	0.62	–	0.97	0.19	90°	–	0.14	2.88	0.5
3/4	2.35	0.62	–	0.97	0.19	90°	–	0.14	3.38	0.5
1	2.66	0.62	–	0.97	0.19	90°	–	0.14	3.94	0.5
1 1/2	4.66	0.62	0.38	0.97	0.19	90°	–	0.14	6.44	0.5

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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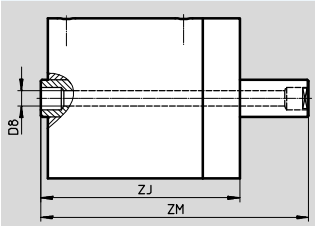
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

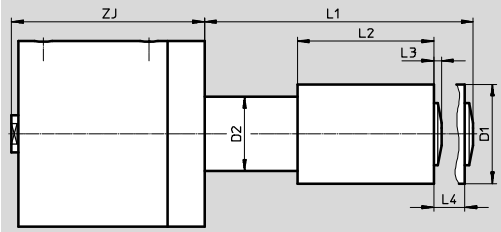
[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	1/4	1.61	1.875
1/4	1/4	1.74	2.13
1/2	1/4	2.24	2.88
3/4	1/4	2.49	3.38
1	1/4	2.8	3.94
1 1/2	1/4	3.3	4.94

Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.4	0.63	0.14	0.5	1.61
1/4	2	1.5	1.66	0.75	0.16	0.5	1.74
1/2	2	1.5	2.16	1	0.16	0.5	2.24
3/4	2	1.5	2.66	1.25	0.16	0.5	2.49
1	2	1.5	3.16	1.5	0.16	0.5	2.8
1 1/2	2	1.5	4.16	2	0.16	0.5	4.8

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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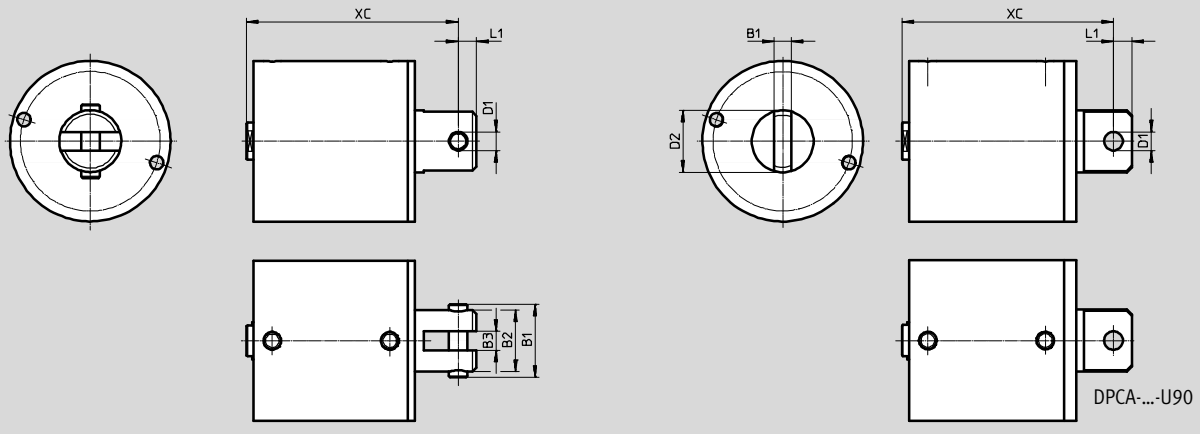
Dimensions – Piston diameter 1 5/8 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis
[D90] With swivel clevis, rotated 90°
[U] With swiveling rod eye
[U90] With swiveling rod eye, rotated 90°



Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]			[S]	[L4-S]	[P]	[L4-P]
1/8	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.02	–	2.59	–
1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.15	2.65	2.83	3.33
1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.65	2.9	3.58	3.83
3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.9	3.21	4.08	4.39
1	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	3.21	–	4.64	–
1 1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	5.21	–	–
1 1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	5.21	–	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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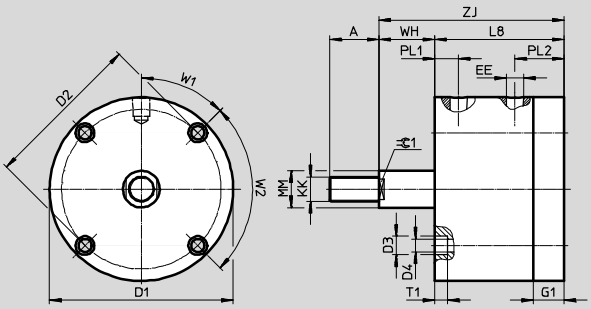
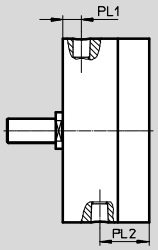
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[P] Single-acting, pulling (spring extend)



DPCA-...-1/8"...3/8"
DPCA-...-L4-...-1/8"



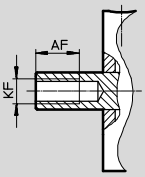
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1		KK	
							[N]		[L4]		[N]
1/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.5	0.5	M12	1/2-20 UNF-2A
1/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.5	0.5	M12	1/2-20 UNF-2A
3/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.5	–	M12	1/2-20 UNF-2A
1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.5	0.5	M12	1/2-20 UNF-2A
3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.5	0.63	M12	1/2-20 UNF-2A
1	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.63	–	M12	1/2-20 UNF-2A

Stroke [in]	L8		MM ∅	PL1		PL2		T1		W1	W2	WH	ZJ		⌀C1
		[L4]			[L4]		[L4]		[L4]					[L4]	
1/8	1.445	1.695	0.75	0.385	0.385	0.88	0.88	0.265	0.265	72°	–	0.265	1.71	1.96	0.63
1/4	1.57	1.88	0.75	0.38	0.38	0.88	0.94	0.27	0.26	72°	–	0.39	1.96	2.27	0.63
3/8	1.695	–	0.75	0.385	–	0.88	–	0.265	–	72°	–	0.515	2.21	–	0.63
1/2	1.88	2.25	0.75	0.38	0.38	0.88	1.25	0.26	0.26	72°	–	0.64	2.52	2.89	0.63
3/4	2.25	2.72	0.75	0.38	0.36	0.87	1.34	0.26	0.23	72°	–	0.89	3.14	3.61	0.63
1	2.75	–	0.75	0.38	–	1	–	0.26	–	72°	–	1.14	3.89	–	0.63

Dimensions – Piston diameter 2

[P] Single-acting, pulling (spring extend)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/16	–	–	M12	1/2-20 UNF-2B
1/8	0,4	0,63	M12	1/2-20 UNF-2B
1/4	0,5	0,63	M12	1/2-20 UNF-2B
3/8	0,63	–	M12	1/2-20 UNF-2B
1/2	0,63	0,75	M12	1/2-20 UNF-2B
5/8	–	–	M12	1/2-20 UNF-2B
3/4	0,75	0,88	M12	1/2-20 UNF-2B
1	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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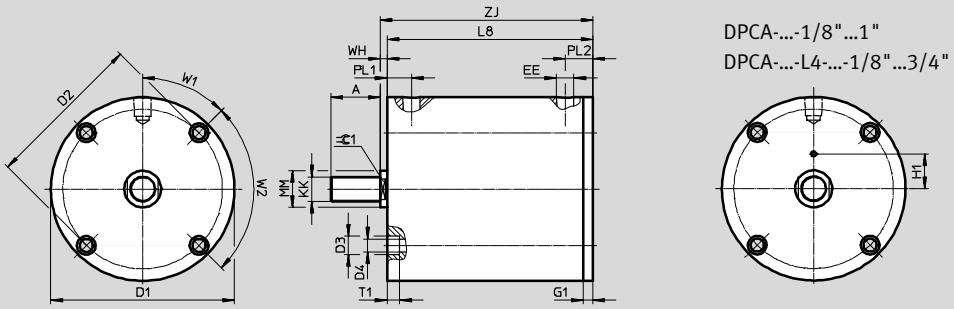
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)



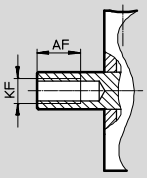
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1		KK	
							[N]			[L4]		[N]
1/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.71	0.71	M12	1/2-20 UNF-2A
1/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.71	0.71	M12	1/2-20 UNF-2A
3/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.71	–	M12	1/2-20 UNF-2A
1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.71	0.71	M12	1/2-20 UNF-2A
3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.71	0.71	M12	1/2-20 UNF-2A
1	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	0.71	–	M12	1/2-20 UNF-2A
1 1/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	–	M12	1/2-20 UNF-2A
1 1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.13	–	–	M12	1/2-20 UNF-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1	W1	W2	WH	ZJ		⌯1
		[L4]									[L4]	
1/8	1.06	1.31	0.75	–	0.5	0.26	72°	–	0.14	1.2	1.45	0.63
1/4	1.19	1.5	0.75	–	0.5	0.26	72°	–	0.14	1.33	1.64	0.63
3/8	1.31	–	0.75	–	0.5	0.26	72°	–	0.14	1.45	–	0.63
1/2	1.5	1.88	0.75	–	0.5	0.26	72°	–	0.14	1.64	2.02	0.63
3/4	1.88	2.25	0.75	–	0.5	0.26	72°	–	0.14	2.02	2.39	0.63
1	2.25	–	0.75	–	0.5	0.26	72°	–	0.14	2.39	–	0.63
1 1/4	–	4.25	0.75	0.38	0.5	0.26	72°	–	0.14	–	4.39	0.63
1 1/2	4.25	–	0.75	0.38	0.5	0.26	72°	–	0.14	4.39	–	0.63

Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		
1/8	0,4	0,63	M12	1/2-20 UNF-2B
1/4	0,5	0,63	M12	1/2-20 UNF-2B
3/8	0,63	–	M12	1/2-20 UNF-2B
1/2	0,63	0,75	M12	1/2-20 UNF-2B
3/4	0,75	0,88	M12	1/2-20 UNF-2B
1	0,88	–	M12	1/2-20 UNF-2B
1 1/4	–	0,88	M12	1/2-20 UNF-2B
1 1/2	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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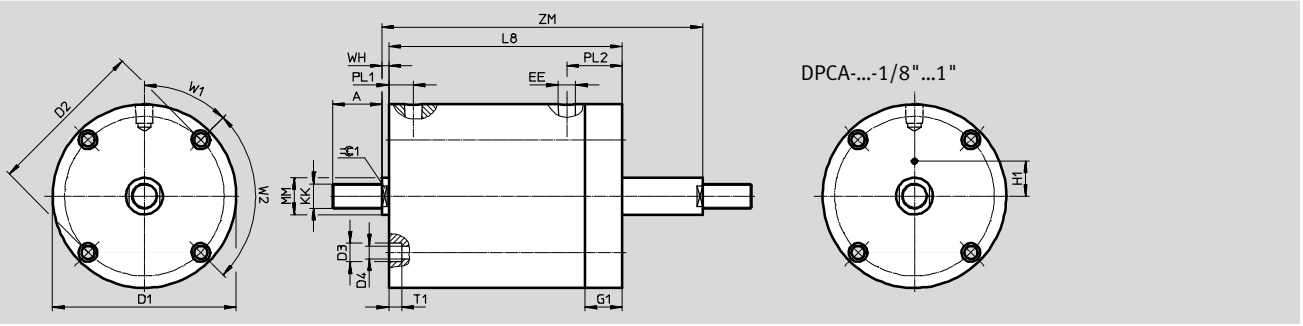
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[T] Through piston rod

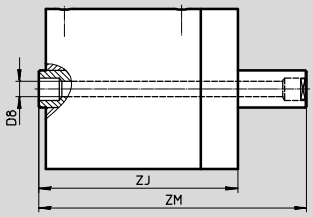


Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1	KK	
							[N]				[N]
1/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
3/8	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
3/4	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1 1/2	1	3.24	2.81	0.38	0.27	G1/8	1/8 NPT	0.75	–	M12	1/2-20 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌯1
1/8	1.69	0.75	–	1.13	0.25	72°	–	0.14	2.095	0.63
1/4	1.81	0.75	–	1.12	0.25	72°	–	0.14	2.34	0.63
3/8	1.94	0.75	–	1.13	0.25	72°	–	0.14	2.595	0.63
1/2	2.13	0.75	–	1.13	0.24	72°	–	0.14	2.91	0.63
3/4	2.5	0.75	–	1.12	0.25	72°	–	0.14	3.53	0.63
1	2.88	0.75	–	1.13	0.25	72°	–	0.14	4.16	0.63
1 1/2	4.88	0.75	0.38	1.13	0.25	72°	–	0.14	6.66	0.63

Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	5/16	1.83	1.345
1/4	5/16	1.95	1.59
3/8	5/16	2.08	1.845
1/2	5/16	2.27	2.16
3/4	5/16	2.64	2.78
1	5/16	3.02	3.41
1 1/2	5/16	3.52	4.41

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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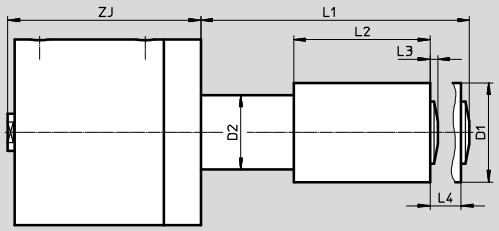
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment



Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.67	0.88	0.16	0.63	1.83
1/4	2	1.5	1.91	1	0.16	0.63	1.95
3/8	2	1.5	2.17	1.13	0.16	0.63	2.08
1/2	2	1.5	2.41	1.25	0.16	0.63	2.27
3/4	2	1.5	2.91	1.5	0.16	0.63	2.64
1	2	1.5	3.41	1.75	0.16	0.63	3.02
1 1/2	2	1.5	4.41	2.25	0.16	0.63	5.02

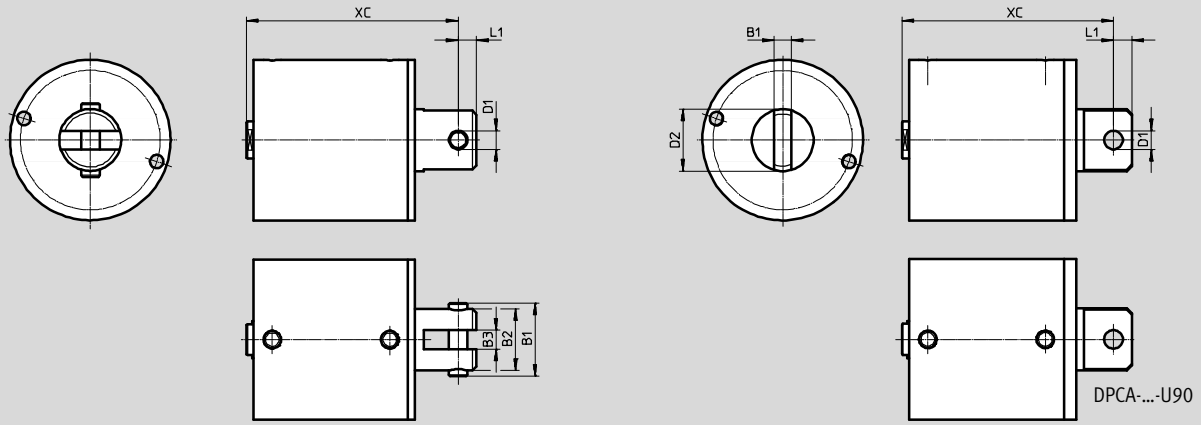
Dimensions – Piston diameter 2 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°

[U] With swiveling rod eye

[U90] With swiveling rod eye, rotated 90°



Stroke [in]	B1		B2	B3	D1 ∅		D2 ∅	L1	XC			
	[D/D90]	[U/U90]			[D/D90]	[U/U90]			[S]	[L4-S]	[P]	[L4-P]
1/8	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.08	2.33	2.65	2.9
1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.21	2.52	2.9	3.21
3/8	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.33	–	3.15	–
1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.52	2.9	3.46	3.83
3/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	2.9	3.27	4.08	4.42
1	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	3.27	–	4.7	–
1 1/4	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	–	5.27	–	–
1 1/2	1.48	0.35	1.25	0.38	0.375	0.376	1.25	0.37	5.27	–	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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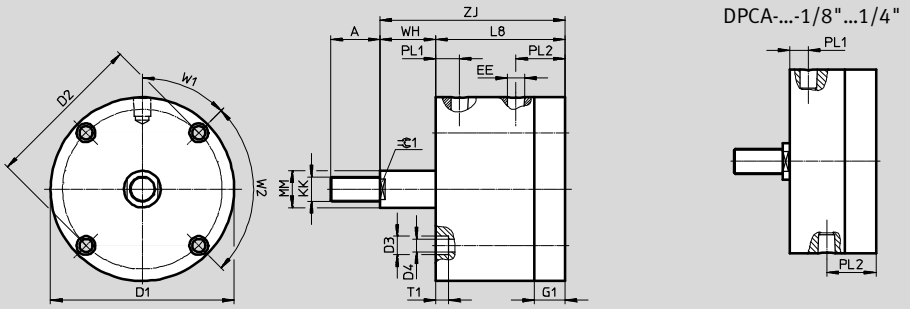
Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[P] Single-acting, pulling (spring extend)



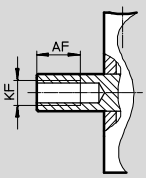
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/8	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
1/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
1	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A

Stroke	L8		MM ∅	PL1		PL2		T1		W1	W2	WH	ZJ		⌀1
		[L4]			[L4]		[L4]		[L4]					[L4]	
1/8	1.755	–	0.75	0.385	–	1	–	0.265	–	45°	90°	0.265	2.02	–	0.63
1/4	1.88	2.19	0.75	0.38	0.38	1	1.06	0.26	0.32	45°	90°	0.39	2.27	2.58	0.63
1/2	2.13	2.5	0.75	0.38	0.5	1	1	0.26	0.26	45°	90°	0.64	2.77	3.14	0.63
3/4	2.5	2.63	0.75	0.51	0.5	1	1	0.26	0.26	45°	90°	0.89	3.39	3.52	0.63
1	2.63	–	0.75	0.5	–	1	–	0.26	–	45°	90°	1.14	3.77	–	0.63

Dimensions – Piston diameter 2 1/2

[P] Single-acting, pulling (spring extend)

[F] Internal thread



Stroke [in]	AF	AF [L4]	KF	
				[N]
1/8	0,56	–	M12	1/2-20 UNF-2B
1/4	0,63	0,63	M12	1/2-20 UNF-2B
1/2	0,63	0,88	M12	1/2-20 UNF-2B
3/4	0,88	0,88	M12	1/2-20 UNF-2B
1	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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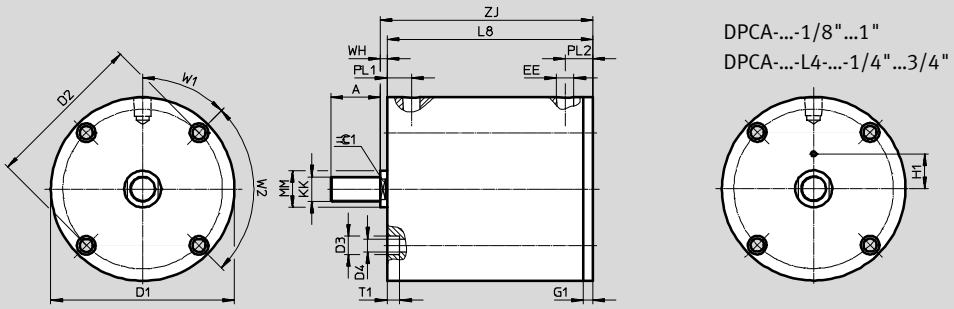
Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)



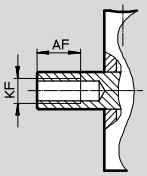
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1		KK	
							[N]			[L4]		[N]
1/8	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	–	M12	1/2-20 UNF-2A
1/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	0.71	M12	1/2-20 UNF-2A
1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	0.71	M12	1/2-20 UNF-2A
3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	0.71	M12	1/2-20 UNF-2A
1	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	–	M12	1/2-20 UNF-2A
1 1/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	–	M12	1/2-20 UNF-2A
1 1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.19	–	–	M12	1/2-20 UNF-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1		W1	W2	WH	ZJ		⌯ 1
		[L4]					[L4]					[L4]	
1/8	1.31	–	0.75	–	0.56	0.26	–	45°	90°	0.14	1.45	–	0.63
1/4	1.44	1.69	0.75	–	0.56	0.25	0.26	45°	90°	0.14	1.58	1.83	0.63
1/2	1.69	2.06	0.75	–	0.56	0.26	0.26	45°	90°	0.14	1.83	2.2	0.63
3/4	2.06	2.19	0.75	–	0.56	0.26	0.26	45°	90°	0.14	2.2	2.33	0.63
1	2.19	–	0.75	–	0.56	0.26	–	45°	90°	0.14	2.33	–	0.63
1 1/4	–	4.19	0.75	0.5	0.56	–	0.26	45°	90°	0.14	–	4.33	0.63
1 1/2	4.19	–	0.75	0.5	0.56	0.26	–	45°	90°	0.14	4.33	–	0.63

Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/8	0,56	–	M12	1/2-20 UNF-2B
1/4	0,63	0,63	M12	1/2-20 UNF-2B
1/2	0,63	0,88	M12	1/2-20 UNF-2B
3/4	0,88	0,88	M12	1/2-20 UNF-2B
1	0,88	–	M12	1/2-20 UNF-2B
1 1/4	–	0,88	M12	1/2-20 UNF-2B
1 1/2	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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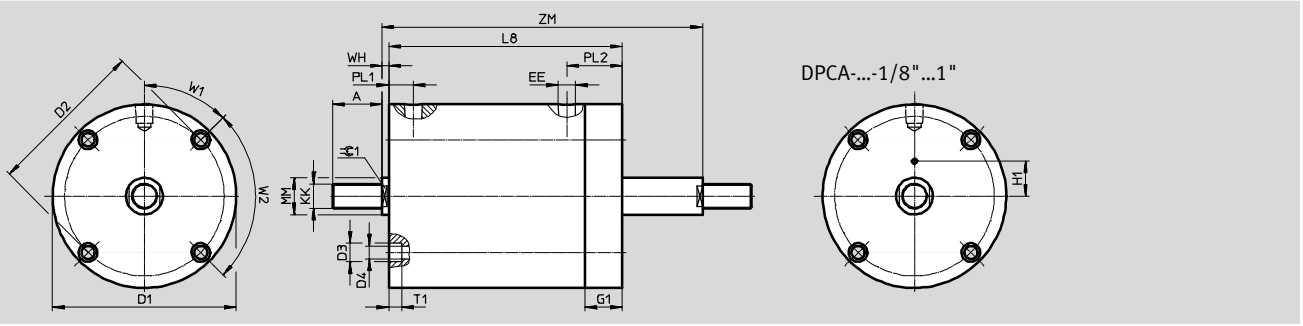
Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[T] Through piston rod

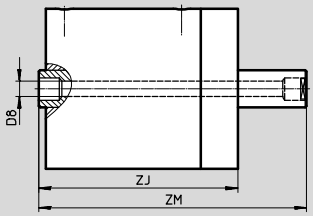


Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1	KK	
							[N]				[N]
1/8	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
3/4	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1 1/2	1	3.74	3.25	0.38	0.27	G1/8	1/8 NPT	0.75	–	M12	1/2-20 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⫧ 1
1/8	1.88	0.75	–	1.13	0.25	45°	90°	0.14	2.285	0.63
1/4	2	0.75	–	1.12	0.25	45°	90°	0.14	2.53	0.63
1/2	2.25	0.75	–	1.12	0.25	45°	90°	0.14	3.03	0.63
3/4	2.63	0.75	–	1.13	0.25	45°	90°	0.14	3.66	0.63
1	2.75	0.75	–	1.12	0.25	45°	90°	0.14	4.03	0.63
1 1/2	4.75	0.75	0.5	1.12	0.25	45°	90°	0.14	6.53	0.63

Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	1/4	2.02	2.285
1/4	1/4	2.14	2.53
1/2	1/4	2.39	3.03
3/4	1/4	2.77	3.66
1	1/4	2.89	4.03
1 1/2	1/4	3.39	5.03

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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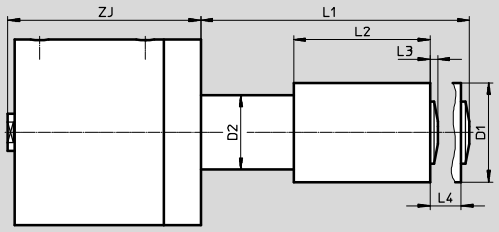
Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment

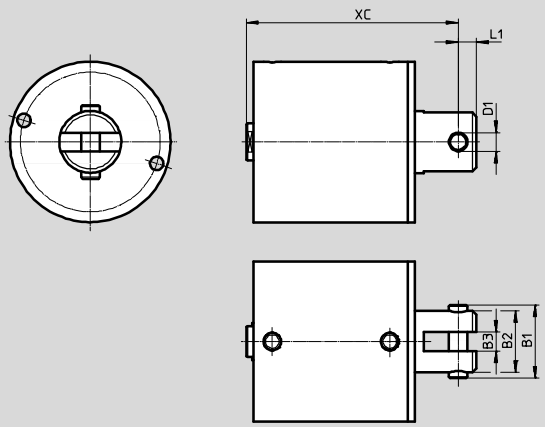


Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.67	0.88	0.16	0.63	2.02
1/4	2	1.5	1.91	1	0.16	0.63	2.14
1/2	2	1.5	2.41	1.25	0.16	0.63	2.39
3/4	2	1.5	2.91	1.5	0.16	0.63	2.77
1	2	1.5	3.41	1.75	0.16	0.63	2.89
1 1/2	2	1.5	4.41	2.25	0.16	0.63	4.89

Dimensions – Piston diameter 2 1/2 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°



Stroke [in]	B1	B2	B3	D1 ∅	L1	XC			
						[S]	[L4-S]	[P]	[L4-P]
1/8	1.86	1.63	0.5	0.5	0.5	2.64	–	3.21	–
1/4	1.86	1.63	0.5	0.5	0.5	2.77	3.02	3.46	3.77
1/2	1.86	1.63	0.5	0.5	0.5	3.02	3.39	3.96	4.33
3/4	1.86	1.63	0.5	0.5	0.5	3.39	3.52	4.58	4.71
1	1.86	1.63	0.5	0.5	0.5	3.52	–	4.96	–
1 1/4	1.86	1.63	0.5	0.5	0.5	–	5.52	–	–
1 1/2	1.86	1.63	0.5	0.5	0.5	5.52	–	–	–

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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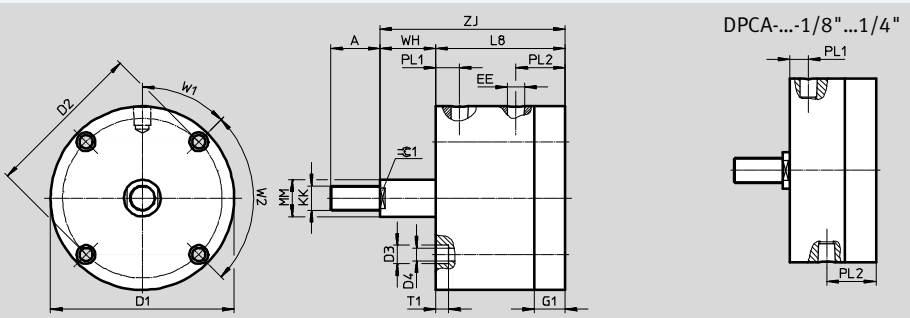
Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[P] Single-acting, pulling (spring extend)



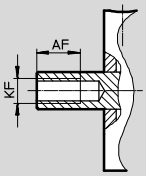
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	KK	
							[N]			[N]
1/8	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
1/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A
1	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.63	M12	1/2-20 UNF-2A

Stroke [in]	L8		MM ∅	PL1		PL2	T1	W1	W2	WH	ZJ		⫷1
		[L4]			[L4]							[L4]	
1/8	1.815	–	0.75	0.385	–	1	0.265	45°	90°	0.265	2.08	–	0.63
1/4	1.94	2.19	0.75	0.38	0.38	1	0.26	45°	90°	0.39	2.33	2.58	0.63
1/2	2.19	2.44	0.75	0.38	0.5	1	0.26	45°	90°	0.64	2.83	3.08	0.63
3/4	2.44	2.69	0.75	0.5	0.5	1	0.26	45°	90°	0.89	3.33	3.58	0.63
1	2.69	–	0.75	0.5	–	1	0.26	45°	90°	1.14	3.83	–	0.63

Dimensions – Piston diameter 3

[P] Single-acting, pulling (spring extend)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/8	0,63	–	M12	1/2-20 UNF-2B
1/4	0,63	0,63	M12	1/2-20 UNF-2B
1/2	0,63	0,88	M12	1/2-20 UNF-2B
3/4	0,88	0,88	M12	1/2-20 UNF-2B
1	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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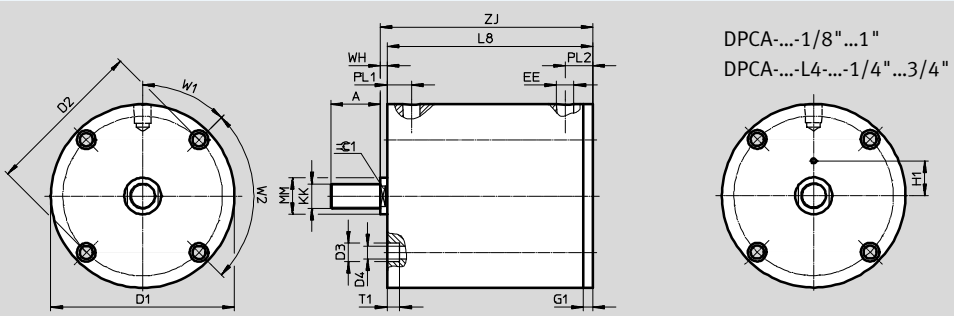
Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)



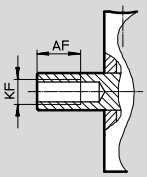
Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1		KK	
							[N]			[L4]		[N]
1/8	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	–	M12	1/2-20 UNF-2A
1/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	0.71	M12	1/2-20 UNF-2A
1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	0.71	M12	1/2-20 UNF-2A
3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	0.71	M12	1/2-20 UNF-2A
1	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	0.71	–	M12	1/2-20 UNF-2A
1 1/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	–	M12	1/2-20 UNF-2A
1 1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.19	–	–	M12	1/2-20 UNF-2A

Stroke [in]	L8		MM ∅	PL1	PL2	T1	W1	W2	WH	ZJ		⫷1
		[L4]									[L4]	
1/8	1.38	–	0.75	–	0.57	0.26	45°	90°	0.14	1.52	–	0.63
1/4	1.5	1.75	0.75	–	0.56	0.26	45°	90°	0.14	1.64	1.89	0.63
1/2	1.75	2	0.75	–	0.56	0.26	45°	90°	0.14	1.89	2.14	0.63
3/4	2	2.25	0.75	–	0.56	0.26	45°	90°	0.14	2.14	2.39	0.63
1	2.25	–	0.75	–	0.56	0.26	45°	90°	0.14	2.39	–	0.63
1 1/4	–	4.25	0.75	0.5	0.56	0.26	45°	90°	0.14	–	4.39	0.63
1 1/2	4.25	–	0.75	0.5	0.56	0.26	45°	90°	0.14	4.39	–	0.63

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[S] Single-acting, pushing (spring retract)

[F] Internal thread



Stroke [in]	AF	AF	KF	
		[L4]		[N]
1/8	0,63	–	M12	1/2-20 UNF-2B
1/4	0,63	0,63	M12	1/2-20 UNF-2B
1/2	0,63	0,88	M12	1/2-20 UNF-2B
3/4	0,88	0,88	M12	1/2-20 UNF-2B
1	0,88	–	M12	1/2-20 UNF-2B
1 1/4	–	0,88	M12	1/2-20 UNF-2B
1 1/2	0,88	–	M12	1/2-20 UNF-2B

Compact cylinder DPCA-...-P/S, single-acting

Technical data

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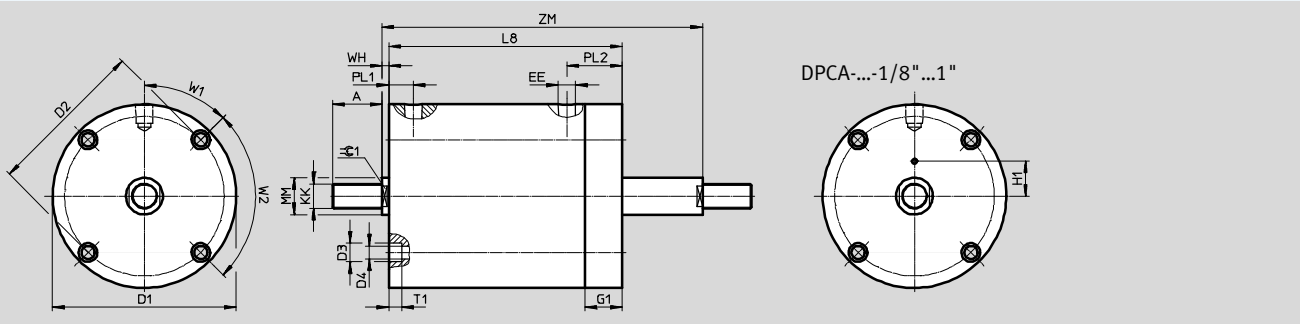
Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[T] Through piston rod

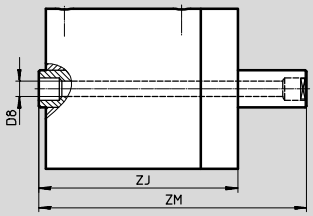


Stroke [in]	A	D1 ∅	D2 ∅	D3 ∅	D4 ∅	EE		G1	H1	KK	
							[N]				[N]
1/8	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
3/4	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	0.71	M12	1/2-20 UNF-2A
1 1/2	1	4.24	3.81	0.38	0.27	G1/8	1/8 NPT	0.75	–	M12	1/2-20 UNF-2A

Stroke [in]	L8	MM ∅	PL1	PL2	T1	W1	W2	WH	ZM	⌯ 1
1/8	1.94	0.75	–	1.13	0.26	45°	90°	0.14	2.345	0.63
1/4	2.06	0.75	–	1.12	0.26	45°	90°	0.14	2.59	0.63
1/2	2.31	0.75	–	1.12	0.21	45°	90°	0.14	3.09	0.63
3/4	2.56	0.75	–	1.12	0.26	45°	90°	0.14	3.59	0.63
1	2.81	0.75	–	1.12	0.26	45°	90°	0.14	4.09	0.63
1 1/2	4.81	0.75	0.5	1.12	0.26	45°	90°	0.14	6.59	0.63

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[H] Through, hollow piston rod



Stroke [in]	D8 ∅	ZJ	ZM
1/8	1/4	2.08	2.345
1/4	1/4	2.2	2.59
1/2	1/4	2.45	3.09
3/4	1/4	2.7	3.59
1	1/4	2.95	4.09
1 1/2	1/4	3.45	5.09

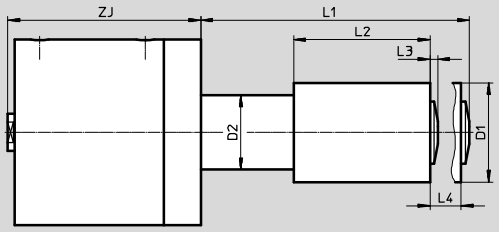
Compact cylinder DPCA-...-P/S, single-acting

Technical data

FESTO

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[E] Stroke adjustment

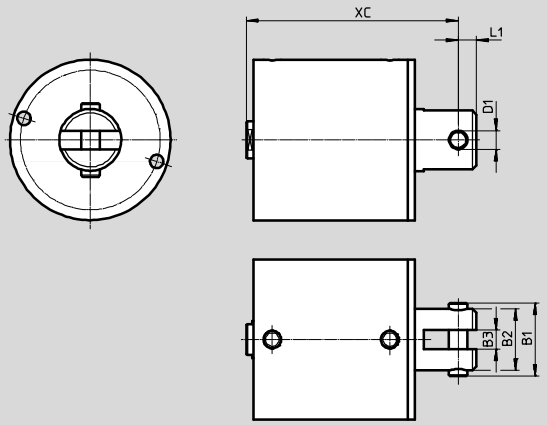


Stroke [in]	D1 ∅	D2 ∅	L1	L2	L3	L4	ZJ
1/8	2	1.5	1.67	0.88	0.16	0.63	2.08
1/4	2	1.5	1.91	1	0.16	0.63	2.2
1/2	2	1.5	2.41	1.25	0.16	0.63	2.45
3/4	2	1.5	2.91	1.5	0.16	0.63	2.7
1	2	1.5	3.41	1.75	0.16	0.63	2.95
1 1/2	2	1.5	4.41	2.25	0.16	0.63	4.95

Dimensions – Piston diameter 3 Download CAD data ➔ **www.festo.com**

[D] With swivel clevis

[D90] With swivel clevis, rotated 90°



Stroke [in]	B1	B2	B3	D1 ∅	L1	XC			
						[S]	[L4-S]	[P]	[L4-P]
1/8	1.86	1.63	0.5	0.5	0.5	2.71	–	3.27	–
1/4	1.86	1.63	0.5	0.5	0.5	2.83	3.08	3.52	3.77
1/2	1.86	1.63	0.5	0.5	0.5	3.08	3.33	4.02	4.27
3/4	1.86	1.63	0.5	0.5	0.5	3.33	3.58	4.52	4.77
1	1.86	1.63	0.5	0.5	0.5	3.58	–	5.02	–
1 1/4	1.86	1.63	0.5	0.5	0.5	–	5.58	–	–
1 1/2	1.86	1.63	0.5	0.5	0.5	5.58	–	–	–

Compact cylinder DPCA-...-P/S, single-acting

FESTO

Ordering data – Modular product system

Ordering table											
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	Conditions	Code		Enter code
Part number	**8104871**	**8104872**	**8104873**	**8104874**	**8104875**	**8104876**	**8104877**				
Function	**Compact cylinder, single-acting**								**DPCA**		DPCA
System of units	Metric										
	Imperial								**-N**		
Anti-twist protection	Without										
Running characteristics	Standard										
	Additional PTFE piston guide							[1]	**L4**		
Piston diameter	1/2"	3/4"	1 1/8"	1 5/8"	2"	2 1/2"	3"		**-..."**		
Stroke											
1/16"	1)	1)	2)	–	–	–	–		**-1/16"**		
1/8"				1)		1)	1)		**-1/8"**		
3/16"	–	–	1)	–	–	–	–		**-3/16"**		
1/4"			1)						**-1/4"**		
3/8"			2)	–	1)	–	–		**-3/8"**		
1/2"			1)						**-1/2"**		
5/8"			2)	–	–	–	–		**-5/8"**		
3/4"	1)	1)	1)						**-3/4"**		
7/8"	–	–	2)	–	–	–	–		**-7/8"**		
1"			1)	1)	1)	1)	1)		**-1"**		
1 1/8"	–	–	2)	–	–	–	–		**-1 1/8"**		
1 1/4"			1)	2)	2)	2)	2)		**-1 1/4"**		
1 3/8"	–	–	2)	–	–	–	–		**-1 3/8"**		
1 1/2"			1)	1)	1)	1)	1)		**-1 1/2"**		
1 5/8"	–	–	2)	–	–	–	–		**-1 5/8"**		
1 3/4"	–	–	1)	–	–	–	–		**-1 3/4"**		
1 7/8"	–	–	2)	–	–	–	–		**-1 7/8"**		
2"			1)	–	–	–	–		**-2"**		
Stroke adjustment	Without										
	–	–	Advancing/front					[2]	**E**		
Function	Single-acting, pulling (spring extend)							[3]	**-P**		
	Single-acting, pushing (spring retract)							[4]	**-S**		

[1] L4 Not with stroke adjustment E
Not with piston rod type H, T

[2] E Not with running characteristic L4
Not with function P
Not with piston rod type H, T
Not with mounting type D, U, D90, U90

[3] P Not with stroke adjustment E
Not with stroke 1 5/8, 1 3/4, 1 7/8, 2
Not with stroke 1/2 for piston diameter 1/2, 3/4 and running characteristic L4
Not with stroke 5/8, 3/4 for piston diameter 1/2, 3/4
Not with stroke 1 for piston diameter 1/2, 3/4
Not with stroke 1 1/4, 1 1/2 for piston diameter 1/2, 3/4, 1 5/8, 2, 2 1/2, 3

[4] S Not with stroke 2 for piston diameter 1 5/8, 2, 2 1/2, 3

1) Only with standard running characteristic
2) Only with running characteristic L4

New

Compact cylinder DPCA-...-P/S, single-acting

Ordering data – Modular product system

Ordering table										
Piston diameter	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	Conditions	Code	Enter code
Piston rod type	At one end									
	Through, hollow piston rod							5	H	
	Through piston rod							5	T	
Piston rod thread type	External thread							6		
	Internal thread								F	
Type of mounting	Standard									
	With swivel clevis							7	D	
	With swiveling rod eye					–	–	7	U	
	With swivel clevis, rotated 90°							7	D90	
	With swiveling rod eye, rotated 90°					–	–	7	U90	
Cushioning	No cushioning								-N	
	Flexible cushioning rings/pads at front							8	-P2	
	Flexible cushioning rings/pads at rear							9	-P3	
Sound limiting	Without									
	–	–	Both sides					10	SL	
	–	–	Front					11	SL2	
	–	–	Rear					12	SL3	
Scraper variant	None									
	Increased chemical resistance								-A1	

5 H, T Not with running characteristic L4
Not with stroke adjustment E
Not with function P
Not with mounting type D, U, D90, U90

6 Not with piston rod type H

7 D, U, D90, U90
Not with stroke adjustment E
Not with piston rod type H, T

8 P2 Not with function S

9 P3 Not with function P

10 SL Not with function S
Not with cushioning P2, P3

11 SL2 Not with function S
Not with cushioning P2

12 SL3 Not with cushioning P3

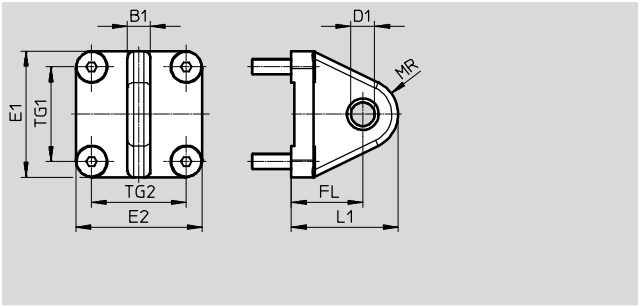
Compact cylinder DPCA

Accessories

Clevis flange DAMS-C4-...-C
For connecting to compact cylinder DPCA

Materials:
Mounting: die-cast zinc
Bearing: bronze
Bolt, lock, washer, screws: galvanized steel

RoHS-compliant
Contains paint-wetting impairment substances



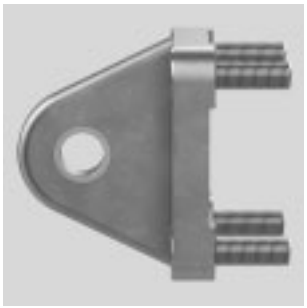
Dimensions and ordering data

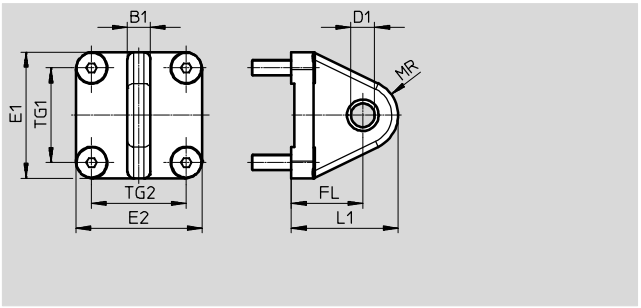
For ∅ [in]	B1	D1 ∅	E1	E2	FL	L1	MR	TG1	TG2	Part number	Type
1/2; 3/4	0.23	0.251	1.25	1.25	0.56	0.87	0.31	0.88	0.88	**8106594**	**DAMS-C4-3/4"-C**
1 1/8	0.3	0.3135	1.5	1.5	0.94	1.38	0.44	1.13	1.13	**8106595**	**DAMS-C4-1 1/8"-C**
1 5/8; 2	0.36	0.376	2	2	1.13	1.69	0.56	1.5	1.5	**8106596**	**DAMS-C4-2"-C**
2 1/2; 3	0.47	0.501	2	2	1.5	2.25	0.75	1.38	1.38	**8106597**	**DAMS-C4-3"-C**
4	0.58	0.626	2.5	2.25	1.63	2.63	1	1.75	1.5	**8106598**	**DAMS-C4-4"-C**

Clevis flange DAMS-C4-...-C
For connecting to swivel clevis DARC

Materials:
Mounting: die-cast zinc
Bearing: bronze
Bolt, lock, washer, screws: galvanized steel

RoHS-compliant
Contains paint-wetting impairment substances





Dimensions and ordering data

For swivel clevis	B1	D1 ∅	E1	E2	FL	L1	MR	TG1	TG2	Part number	Type
DARC-U8C/-U10	0.18	0.1885	1.25	1.25	0.56	0.87	0.31	0.88	0.88	**8106593**	**DAMS-C4-1/2"-C**
DARC-U516	0.23	0.251	1.25	1.25	0.56	0.87	0.31	0.88	0.88	**8106594**	**DAMS-C4-3/4"-C**
DARC-U38/ U12/U12L/ M12/M12L	0.3	0.3135	1.5	1.5	0.94	1.38	0.44	1.13	1.13	**8106595**	**DAMS-C4-1 1/8"-C**
DARC-U58	0.47	0.501	2	2	1.5	2.25	0.75	1.38	1.38	**8106597**	**DAMS-C4-3"-C**

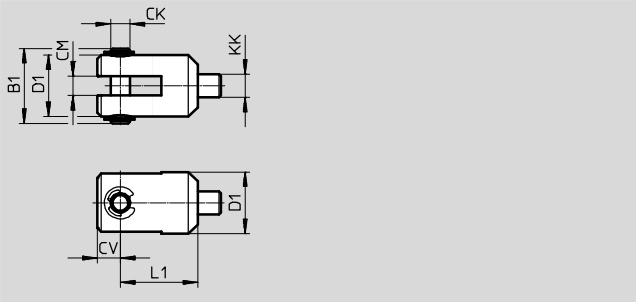
Compact cylinder DPCA

Accessories

Swivel clevis DARC-C4-...-M

Materials:
Rod clevis, bolt, lock: steel

RoHS-compliant
Contains paint-wetting impairment substances



Dimensions and ordering data					
For ∅ [in]	B1	CM	CK	CV	D1 ∅
Imperial					
1/2	0.7	0.19	0.1875	0.25	0.5
3/4	0.7	0.19	0.1875	0.25	0.5
1 1/8	0.96	0.25	0.25	0.28	0.75
1 5/8	1.21	0.32	0.3125	0.38	1
2; 2 1/2	1.21	0.32	0.3125	0.38	1
4	1.62	0.5	0.5	0.5	1.38
Metric					
2; 2 1/2; 3	1.21	0.32	0.3125	0.38	1
4	1.62	0.5	0.5	0.5	1.38
Longer thread design					
Imperial					
2; 2 1/2; 3	1.21	0.32	0.3125	0.38	1
Metric					
2; 2 1/2	1.21	0.32	0.3125	0.38	1

For ∅ [in]	KK	L1	Part number	Type
Imperial				
1/2	8-32x0.25	0.75	**8106622**	**DARC-C4-U8C-M**
3/4	10-32x25	0.75	**8106623**	**DARC-C4-U10-M**
1 1/8	5/16-24	0.88	**8106624**	**DARC-C4-U516-M**
1 5/8	3/8-24x0.37	1.25	**8106625**	**DARC-C4-U38-M**
2; 2 1/2	1/2-20x0.39	1.31	**8106626**	**DARC-C4-U12-M**
4	5/8-18x0.75	1.63	**8106630**	**DARC-C4-U58-M**
Metric				
2; 2 1/2; 3	M12x9.9	1.31	**8106628**	**DARC-C4-M12-M**
4	M16x19	1.63	**8106631**	**DARC-C4-M16-M**
Longer thread design				
Imperial				
2; 2 1/2; 3	1/2-20x0.62	1.31	**8106627**	**DARC-C4-U12L-M**
Metric				
2; 2 1/2	M12x15.7	1.31	**8106629**	**DARC-C4-M12L-M**

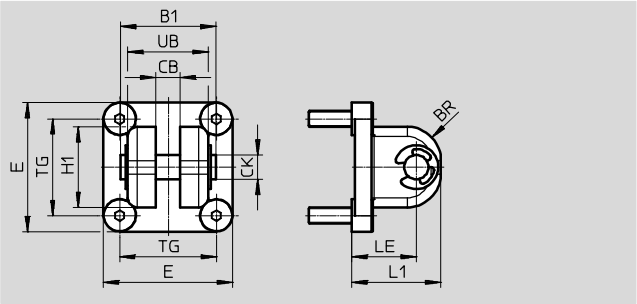
Compact cylinder DPCA

Accessories

Clevis flange DAMS-C4-...-D

Materials:
Mounting: die-cast zinc
Bearing: bronze
Screws: galvanized steel

RoHS-compliant
Contains paint-wetting impairment substances



Dimensions and ordering data

For ∅ [in]	B1	BR	CB	CK	E	H1
1/2; 3/4	0.83	0.3	0.25	0.25	1.25	0.63
1 1/8	1.21	0.46	0.31	0.3125	1.5	0.88
1 5/8; 2	1.48	0.52	0.38	0.375	2	1.25

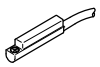
For ∅ [in]	L1	LE	TG	UB	Part number	Type
1/2; 3/4	0.81	0.56	0.88	0.63	**8106613**	**DAMS-C4-1/2"-D**
1 1/8	1.32	0.94	1.13	1	**8106614**	**DAMS-C4-1 1/8"-D**
1 5/8; 2	1.38	1	1.5	1.25	**8106615**	**DAMS-C4-1 5/8"-D**

Compact cylinder DPCA

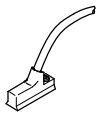
Accessories

FESTO

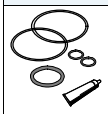
Ordering data – Proximity switch in round, magnetoresistive design — Technical data ➔ Internet: sdbf

	For ∅ [in]	Type of mounting	Switching output	Electrical connection	Part number	Type
N/O contact						
	1/2	Can be inserted in slot lengthwise	PNP	Cable, 3-wire	**8106571**	**SDBF-FAS-1L-PU-K-9-N-LE**
				Plug M8x1, 3-pin	**8106572**	**SDBF-FAS-1L-PU-K-0,5-N-M8**
			NPN	Cable, 3-wire	**8106573**	**SDBF-FAS-1L-NU-K-9-N-LE**
				Plug M8x1, 3-pin	**8106574**	**SDBF-FAS-1L-NU-K-0,5-N-M8**

Ordering data – Proximity switch in dovetail, magnetoresistive design — Technical data ➔ Internet: sdbf

	For ∅ [in]	Type of mounting	Switching output	Electrical connection	Part number	Type
N/O contact						
	3/4...4	Can be inserted in slot lengthwise	PNP	Cable, 3-wire	**8106575**	**SDBF-FBS-1L-PU-K-9-N-LE**
				Plug M8x1, 3-pin	**8106576**	**SDBF-FBS-1L-PU-K-0,5-N-M8**
			NPN	Cable, 3-wire	**8106577**	**SDBF-FBS-1L-NU-K-9-N-LE**
				Plug M8x1, 3-pin	**8106578**	**SDBF-FBS-1L-NU-K-0,5-N-M8**

Ordering data

	For ∅ [in]	Description	Part number	Type
Assembly tool				
		For fixing the piston rod in place when mounting piston rod attachments	**8106809**	**DADG-WF**
Seal set				
	1/2	Spare parts	**8106839**	**DADG-SK-C4-1/2"**
	3/4		**8106840**	**DADG-SK-C4-3/4"**
			8106841	**DADG-SK-C4-3/4"-L4**
			8106842	**DADG-SK-C4-3/4"-Q**
	1 1/8		**8106843**	**DADG-SK-C4-1 1/8"**
			8106844	**DADG-SK-C4-1 1/8"-L4**
			8106845	**DADG-SK-C4-1 1/8"-Q**
	1 5/8		**8106846**	**DADG-SK-C4-1 5/8"**
			8106847	**DADG-SK-C4-1 5/8"-L4**
			8106848	**DADG-SK-C4-1 5/8"-Q**
	2		**8106849**	**DADG-SK-C4-2"**
			8106850	**DADG-SK-C4-2"-L4**
			8106851	**DADG-SK-C4-2"-Q**
	2 1/2		**8106852**	**DADG-SK-C4-2 1/2"**
			8106853	**DADG-SK-C4-2 1/2"-L4**
			8106854	**DADG-SK-C4-2 1/2"-Q**
	3		**8106855**	**DADG-SK-C4-3"**
			8106856	**DADG-SK-C4-3"-L4**
			8106857	**DADG-SK-C4-3"-Q**
	4		**8106858**	**DADG-SK-C4-4"**
			8106859	**DADG-SK-C4-4"-L4**
			8106860	**DADG-SK-C4-4"-Q**