

# Compact cylinders AEN-S/ADN-S

FESTO

Performance  
in mini size



## More space for other things!

### Highlights

- Short and slim
- Lightweight and versatile
- Fast and reliable delivery, even in large quantities
- Optionally available with reduced copper, zinc and nickel content for use in battery production

**Smaller systems – and yet more performance. This balancing act can now be achieved with the compact cylinders AEN-S and ADN-S. They excel in delivering small movements thanks to their extremely small size, lightweight design as well as their compact, single-piece housing.**

#### Perfect for micro-movements

The ADN-S is ideal in test situations, simulation setups or test procedures like pressing buttons on devices, or in switch-on and switch-off operations which typically have small loads. Thanks to the excellent running characteristics, the AEN-S/ADN-S with their lightweight and scaled-down housing are reliable and durable in operation. The reduced use of materials and the lower weight render the AEN-S and the ADN-S sustainable when it comes to production.

#### Fits in any space

The ADN shows off its advantages to great effect when installed in a clean environment and at high density, since it is always easy to operate. The many mounting options make installation quick and easy, even in the smallest of spaces. You too can easily find space for it in your application.

#### Flexible connections

The female thread on the piston rod provides further connection options.

# Compact cylinders AEN-S/ADN-S

**Slim design**  
for minimal installation space  $\varnothing$  6, 10

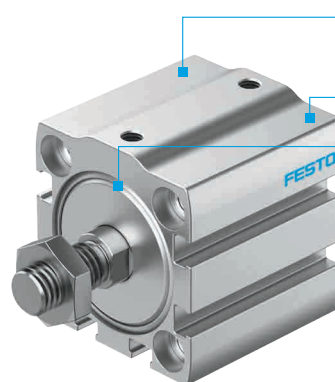
**Precise single-piece production**  
for better running characteristics

**Piston rod connection with female or male thread**  
for more flexible connections

**Mounting from two sides**  
for a variety of attachment options



**Short design**  
Lightweight and resource-saving



**Lighter** thanks to reduced housing lengths

**Elegant design**

**Universal sizes**  
 $\varnothing$  12 to  $\varnothing$  63

## Order Code

001 002 003 004 005 006 007 008  
 -  S -  -  -  -  -  -

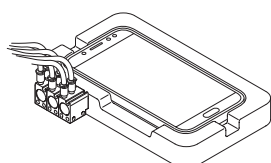
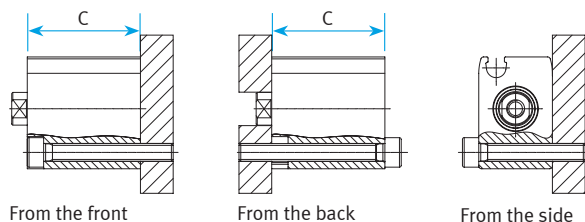
**Legend:**  Mandatory entry  Optional entry

001	Type
ADN	Double-acting compact cylinder
AEN	Single-acting compact cylinder
002	Design
S	Short
003	Piston $\varnothing$ [mm]
...	6, 10, 12, 16, 20, 25, 32, 40, 50, 63
004	Stroke [mm]
...	5, 10, 15 <sup>1)</sup> , 20 <sup>1)</sup> , 25, 30 <sup>1)</sup> , 35 <sup>1)</sup> , 40 <sup>1)</sup> , 45 <sup>1)</sup> , 50 <sup>1)</sup>
005	Piston rod thread
A	Male thread
I	Female thread

006	Cushioning
-	Without cushioning <sup>1)</sup>
P	Elastic cushioning rings/plates on both sides
007	Position sensing
-	Without position sensing
A	Via proximity sensor
008	Special material properties
-	None
F1A	Recommended for production facilities for the manufacture of lithium-ion batteries <sup>1)</sup>

<sup>1)</sup> ADN-S only

## Mounting options:



Application example:  
testing smartphone functions

Technical data	
Impact energy with p-damping [J]	0.006 ... 1.3
Ambient Temperature [°C]	-10 ... +60
Maximum operating pressure [bar]	10
Minimum operating pressure [bar]	0.6 ... 1.0
Cylinder speed [m/s]	0.5 ... 1.3

	$\varnothing$ 6	$\varnothing$ 10	$\varnothing$ 12	$\varnothing$ 16	$\varnothing$ 20	$\varnothing$ 25	$\varnothing$ 32	$\varnothing$ 40	$\varnothing$ 50	$\varnothing$ 63
Dimension C Excl. magnet*	15.5	15.5	15.5	16	17.5	19	21.5	26	29	32

\* Approx. 4 mm longer with magnet

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