



## Standards-based cylinder ADN/AEN to ISO 21287



### Highlights

- Compact standards-based cylinder
- Good running performance and long service life
- Wide range of variants
- Optional pneumatic end-position cushioning
- Optionally available with reduced copper, zinc and nickel content for use in battery production

**When space is tight, when saving every gram counts and when only the most essential features are required, the ADN is the perfect fit. Its sturdy design to ISO and more than 350 variants in a wide range of sizes, lengths and cushioning options make it an extremely attractive option for many applications.**

#### More options than the standard

- From  $\varnothing$  12 to 125 mm
- Customised variants can be easily configured online
- Extensive range of mounting accessories for virtually any installation situation

#### Greater performance – for maximum efficiency of your system

- High speeds and machine cycles can be achieved thanks to excellent running properties and outstanding cushioning characteristics
- Up to 50 % less installation space compared with large standards-based cylinders to ISO 15552
- Systematically well thought-out: 1 proximity switch that can be used in T-slots on 3 sides for all sizes as well as many other cylinder series

#### With self-adjusting cushioning PPS

- No time-consuming setting and readjustment necessary
- Process reliable, as there is no need for any adjustment
- Reduced vibrations and noise



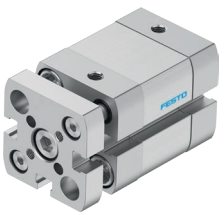
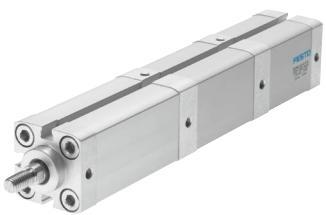
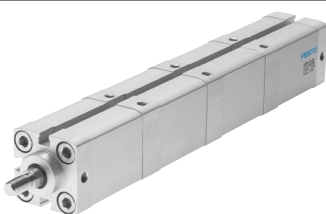

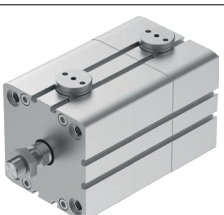


#### Additional information:

Product page

> [www.festo.com/catalogue/adn](http://www.festo.com/catalogue/adn)



Overview of variants		
Basic cylinder	Type	Description
	ADN	<b>Double-acting cylinder</b> <ul style="list-style-type: none"><li>• Cost-effective standard strokes for standard functions</li><li>• Extensive variants in the modular system for customised combinations</li></ul>
	AEN	<b>Single-acting cylinder</b> <ul style="list-style-type: none"><li>• Defined position of the piston rod in the event of pressure failure</li><li>• Compressed air only for the working stroke</li><li>• Pulling or pushing</li></ul>
	ADNGF	<b>Guided cylinder</b> <ul style="list-style-type: none"><li>• Guide rods and yoke plate</li><li>• Protected against rotation with plain-bearing guide: for position-orientated feeding to absorb torques and increased lateral forces.</li></ul>
	ADNM	<b>Multi-position cylinders</b> <ul style="list-style-type: none"><li>• By connecting several cylinders of different lengths in series, up to 5 positions can be achieved</li></ul>
	ADNH	<b>High-force cylinders</b> <ul style="list-style-type: none"><li>• If the power runs out or not enough installation space is available</li><li>• Up to 4 times the force with the same cross-section</li></ul>
	ADN-...-KP	<b>Cylinder with clamping cartridge</b> <ul style="list-style-type: none"><li>• Force-fit as a drop guard in the event of compressed air failure</li></ul>
	ADN-...-EL	<b>Cylinder with end-position locking</b> <ul style="list-style-type: none"><li>• Positive locking in the end position to prevent uncontrolled movements</li><li>• Options for end-position locking: at the front, rear or on both sides</li></ul>

Depending on the basic cylinder, additional extensive functions are available for customised configuration in the modular system.