

Standard cylinder ADNP

FESTO



A new standard in the compact class: Standard cylinder ADNP.

Its compact design makes it perfect for tight installation spaces. It is light and therefore best suited for installation on moving machine parts. An ideal solution for situations that don't require the special functions provided by the ADN/AEN cylinder range. At the same time, you can still use the full range of accessories and mounting attachments for the standard cylinder range.

Standardised!

Dimensions in accordance with ISO 21287 for easy, fast replacement and multiple use of the same attachments.

More economical!

Optimum price-performance-ratio due to new materials and technologies, e.g. the patented 3K piston.

Compact!

Up to 50% less installation space compared with large standard cylinders to ISO 6431. Provides

more space within your installation!

Easy to fit!

Built-in QS push-in fittings and an extensive range of mounting accessories from the standard mounting range make it quick and easy to fit!

Simple!

Built-in push-in fittings are ideally matched to the cylinder and thus simplify ordering, logistics and mounting.



Patented: 3K piston

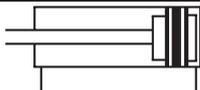
More compact

Festo plug and work®

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Product Short Information

Standard cylinder ADNP

Functions	
ADNP-....-P-A-QS.. with position sensing option and flexible end-position cushioning	



General technical data					
Piston Ø	20	25	32	40	50
Stroke [mm]	5, 10, 15, 20, 25, 30, 40, 50, 60		10, 15, 20, 25, 30, 40, 50, 60, 80		
Pneumatic connection for tubing outer Ø [mm]	4		6		
Piston rod thread					
Female thread	M6	M6	M8	M8	M10
Male thread	M8	M8	M10 x 1.25	M10 x 1.25	M12 x 1.25
Cushioning	Elastic end-position cushioning				
Position sensing	Via proximity sensor				
Type of mounting	Alternatively, with female thread, through-holes or accessories				
Assembly position	Any				
Materials					
Profile barrel	Anodised aluminium				
Bearing and end caps	Polymer				
Piston rod	Anodised aluminium				

Operating and environmental conditions					
Piston Ø [mm]	20	25	32	40	50
Operating pressure [bar]	0,5 ... 10				
Operating medium	Filtered compressed air, lubricated or unlubricated				
Ambient temperature [°C]	-10 °C ... +60 °C				

Innovative: The 3K principle
The strength of the ADNP lies in the detail. Take the patented 3K piston for example: this piston has excellent running characteristics and outstanding

cushioning characteristics in the end positions for high speeds and machine cycles. The compact 3K piston also saves fitting space, which means a longer piston rod bearing can be used.

The result: Greater guiding precision and higher maximum lateral forces. And all of this with up to 50% less fitting space compared to large standard cylinders to ISO 6431.

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