

# Compact cylinder

## ADNP-40-80-I-P-A-QS-6

Part number: 539470

FESTO

Per ISO 21287, with position sensing and internal piston rod thread,  
with integrated QS push-in connector

Products to be discontinued. Available until 2011.



### Data sheet

Feature	Value
Stroke	80 mm
Piston diameter	40 mm
Piston rod thread	M8
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Piston-rod end	Female thread
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure	0.6 ... 10 bar
Mode of operation	double-acting
Operating medium	Dried compressed air, lubricated or unlubricated
Corrosion resistance classification CRC	2
Ambient temperature	-10 ... 60 °C
Impact energy in end positions	0.56 J
Theoretical force at 6 bar, return stroke	686 N
Theoretical force at 6 bar, advance stroke	754 N
Moving mass with 0 mm stroke	55 g
Additional weight per 10 mm stroke	32 g
Basic weight for 0 mm stroke	240 g
Additional mass factor per 10 mm of stroke	3 g
Mounting type	Optional with through hole with internal (female) thread with accessories
Pneumatic connection	QS-6
Materials note	Conforms to RoHS
Materials information for cover	PA-reinforced
Materials information for seals	TPE-U(PU)
Materials information for piston rod	Wrought Aluminium alloy Anodised
Materials information for cylinder barrel	Wrought Aluminium alloy Smooth anodised