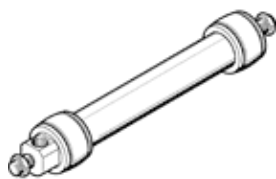


# fluidic muscle

## DMSP-40-120N-RM-CM

Part number: 8114530

FESTO



### Data sheet

Feature	Value
Size	40
Diameter expansion at max. contraction	80 mm
Stroke	0 ... 2,250 mm
Max. contraction	25% of nominal length
Max. initial tension	5% of nominal length
Nominal length	120 mm
Repetition accuracy	<= 1% of nominal length, cyclical
Permissible tolerance for parallelism	±0.5% for nominal lengths of up to 400 mm
Permissible angular tolerance	<= 1 deg
Assembly position	Any
Design structure	Contractible membrane
Operating pressure MPa	0 ... 0.6 MPa
Operating pressure	0 ... 6 bar
Mode of operation	single-acting pulling action
Authorisation	TÜV
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:-:-]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364 zone III
Ambient temperature	-5 ... 60 °C
Maximum freely suspended additional load	250 kg
Theoretical muscular energy at maximum operating pressure	6,000 N
Theoretical force at 0.6 MPa (6 bar, 87 psi)	6,000 N
Pneumatic connection	G3/8
Materials note	Conforms to RoHS
Material flange	Wrought Aluminium alloy neutral anodisation
Material sleeve	Wrought Aluminium alloy neutral anodisation
Material membrane	AR CR
Material nut	Steel Galvanised