

# fluidic muscle

## MAS-10- -

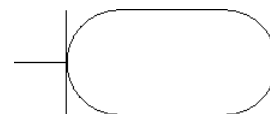
Part number: 534201

FESTO

Please note our simulation program MuscleSim in the download area on the Festo website.



Exemplary representation



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	10
Diameter expansion at max. contraction	24 mm
Stroke	0 ... 2,250 mm
Inside diameter	10 mm
Max. contraction	25% of nominal length
Max. initial tension	3% of nominal length
Nominal length	40 ... 9,000 mm
Permissible tolerance for parallelism	≤ 2 mm as of a nominal length of 400 mm ±0.5% for nominal lengths of up to 400 mm
Permissible angular tolerance	≤ 1 deg
Assembly position	Any
Design structure	Contractible membrane
Operating pressure	0 ... 8 bar
Mode of operation	single-acting pulling action
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
Ambient temperature	-5 ... 60 °C
Authorisation	TÜV
Theoretical muscular energy at maximum operating pressure	630 N
Theoretical force at 6 bar	480 N
Product weight for 0 m length	83 g
Mounting type	with accessories
Materials information for locknut	Wrought Aluminium alloy neutral anodisation
Materials note	Free of copper and PTFE Contains PWIS substances Conforms to RoHS
Material information, sealing ring	NBR
Materials information for flange	Wrought Aluminium alloy blue anodised
Internal cone material information	Wrought Aluminium alloy neutral anodisation
Materials information for membrane	AR CR
Disc spring material information	Steel