

Fluidic Muscles DMSP

Three specialists in ...

FESTO



The unique innovative Fluidic Muscle offers great solutions for short movements, thanks to the highly efficient drive principle. The working range is millimetres to a few centimetres.

Do you need speed?

The Fluidic Muscle principle ensures high acceleration rates, highly dynamic movements and extremely fast reactions.

Do you need to eliminate the stick/slip effect?

With Fluidic Muscle's unique drive principle, juddering movements are a thing of the past.

Do you need a high cycle rate?

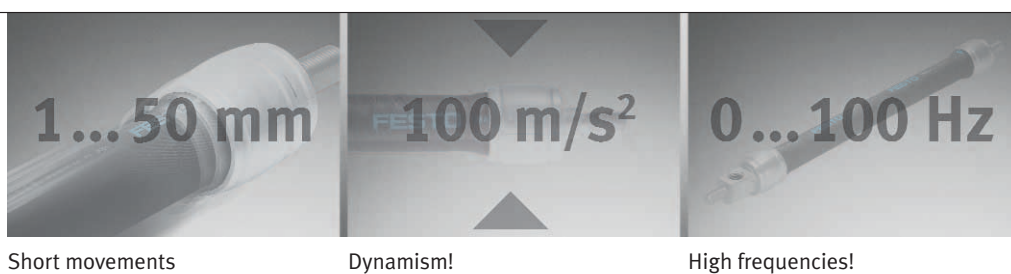
Fluidic Muscle loves to be active, particularly when action sequences need to be separated by mere fractions of a second. The faster the better!

Do you need a solution to harsh operating conditions?

DMSP systems are hermetically sealed relative to their environments.

Do you need an optimum force-to-weight ratio?

Another strength of DMSP drives is their unbelievably high force delivery coupled with low dead-weight.



Short movements

Dynamism!

High frequencies!

501.3.PSI →

Product Short Information

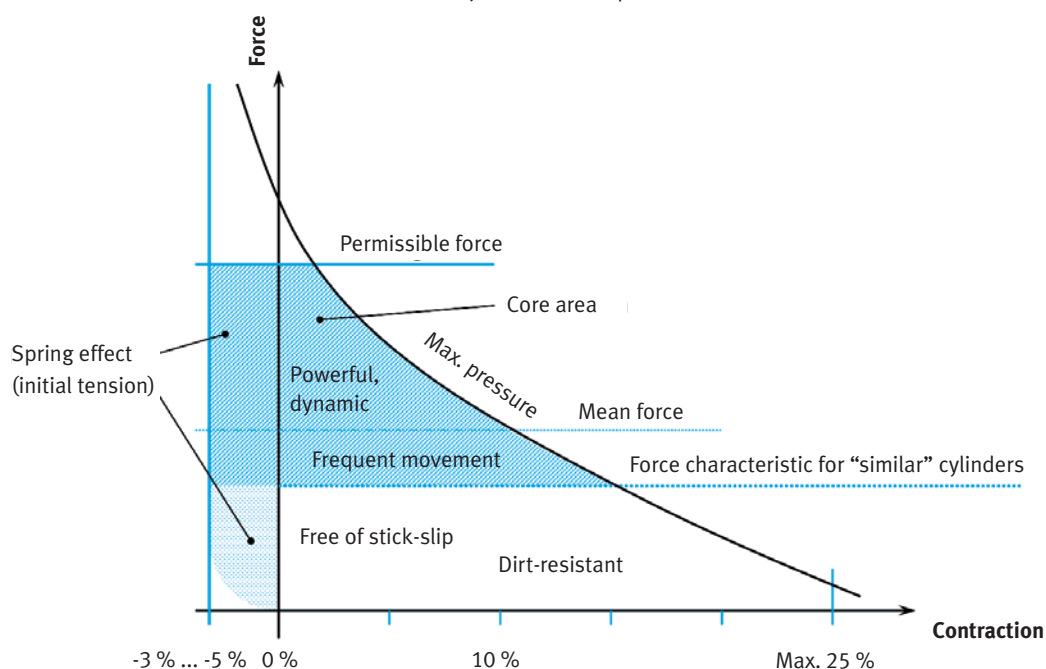
Three specialists in short movements

A winning solution: Fluidic Muscle with its key areas of competence ...

... is ideal in the following applications:

- Highly-dynamic movements
- Fast powerful clamping
- Closed-loop-controlled cushioning
- Closed-loop-controlled positioning ...

... to name just a few examples!



Size	10	20	40
Mode of operation	Single-acting, pulling		
Nominal length	40...9000	60...9000	120...9000
Theoretical force	630	1500	6000
Acceleration	0...100		
Frequency	0...100		
Operating pressure	0...8	0...6	0...6
Ambient temperature	-5...60		

Do you have further applications where you feel you could benefit from the strengths of Fluidic Muscle?

Then simply contact us. We will be happy to provide support, drawing on our experience of all kinds of applications involving this product.

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