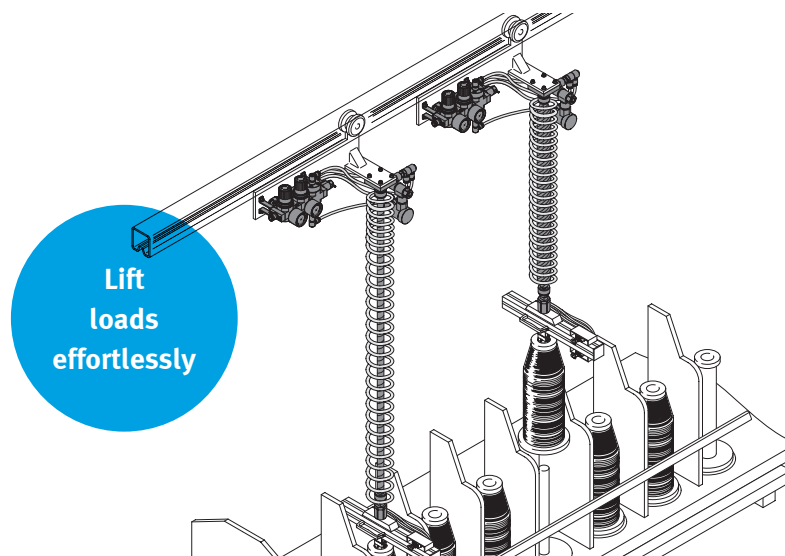


Basic package pneumatic hoist with fluidic muscle DMSP

FESTO



Take the strain off with muscle power

Benefits

- Lightweight, pliable design
- Manual operation
- Pneumatic circuit
- Up to 25 kg
- Load is held in position if pressure supply fails
- Selectable maximum travel speed

The principle is well-known: muscles in a supporting frame take on the application of force. And you can do exactly the same in a lifting unit. The pneumatic muscle DMSP is the main element in the manually operated device for lifting heavy loads.

The basic package pneumatic hoist is exceptionally well-suited for creating hoists that can lift up to 25 kg. The pliable design of the pneumatic muscle makes the unit extremely easy to use. Movement up and down to the required position is controlled by manually actuated valves.

This is thanks to the design of the contraction membrane, which consists of an elastic tube and high-strength fibres. This means that the force applied by the pneumatic muscle decreases as the membrane contracts, enabling simple positioning via pressure. 20% of the membrane's length can thus be used.



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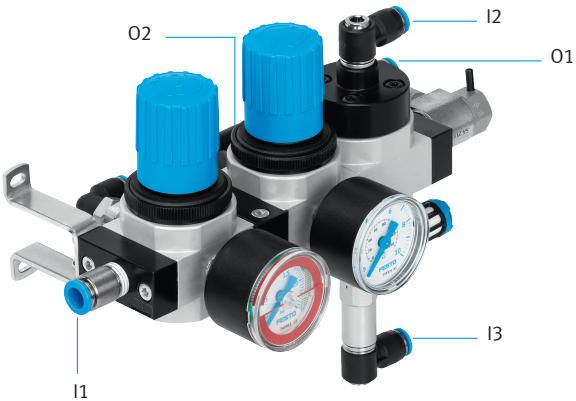
Pneumatic muscle (573965 DMSP-20-...N-RM-CM-CS)



- With integrated volume reduction
- X-lengths produced in mm increments
- Max. operating pressure 6 bar

Nominal length to stroke ratios 25 kg					
Stroke in [mm]	150	300	500	700	1000
Min. nominal length LN [mm]	900	1800	3000	4300	6400

Service unit (8111571 PRE-ASSEMBLY DMSP-20/6-CS)



- Basic control unit with pressure regulator for min. and max. operating pressure
 - Tamper-proof flow control for setting maximum travel speed
 - Piloted check valve for holding load in position if supply pressure fails
- Required barbed tubing connectors
 - I1: general supply
 - O1: supply for pneumatic muscle (not visible)
 - O2: supply for manually actuated valves
 - I2: pilot air, up
 - I3: pilot air, down

I = Input/O = Output

Mounting components	Tubing (examples)	Manually actuated valves	Parallel gripper
32954 SGA-M10X1,25 	159665 PUN-6x1-SW 	Front panel valve SVS 	Parallel gripper DHPS 
★ 9261 SGS-M10X1,25 	197610 PUN-8X1, 25-S-6-SW 	VHEM 	
32963 KSG-M10x1,25 	197625 PUN-8X1, 25-S-6-DUO-BS 		
★ 6140 FK-M10X1,25 			

★ From the Festo core product range → www.festo.com/corerange

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