

**DP series
Plastic round cylinder
Double action**



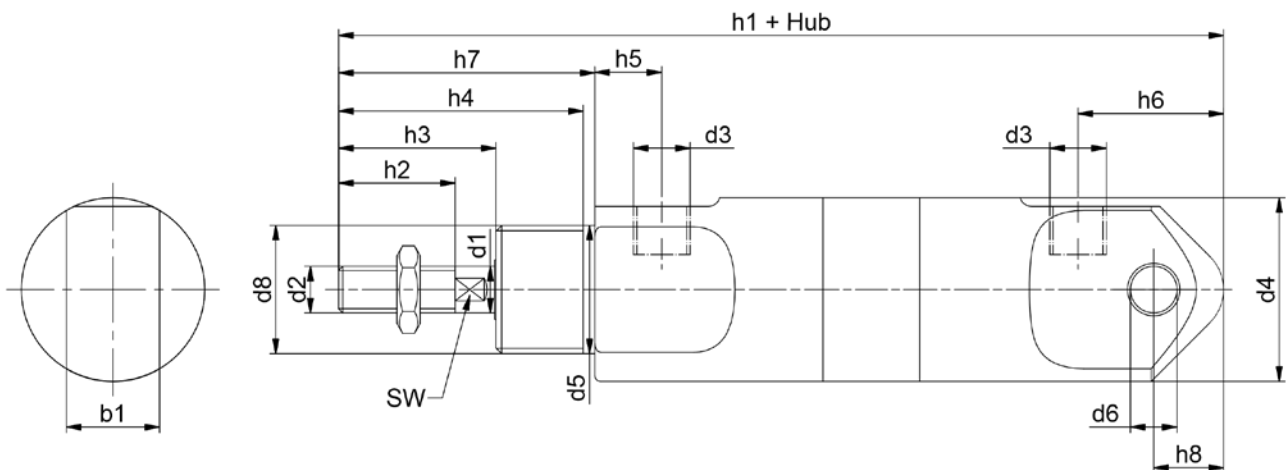
Technical characteristics	
Design	<ul style="list-style-type: none"> - Plastic round cylinder - The cylinders are hygienic and easy to clean thanks to their rounded edges and smooth surfaces - Relatively low-weight - Not repairable
Function	Double action, without magnetic pistons
Piston diameter in mm	12, 16, 20, 25
Stroke length in mm	Freely selectable, max. 100mm
Connection	M5, G1/8
Installation position	Any
Temperature range	-20°C to +40°C
Materials	<ul style="list-style-type: none"> - Piston rod made from stainless steel, 1.4301/1.4307 - Cylinder housing made from POM, white, FDA-compliant - Connection thread insert made from 1.4301
Stripper version 1: PU material (fitted as standard)	Seal material ¹ PU Fulfils the criteria of EU regulation no. 10/2011 The material has been constructed in compliance with FDA regulations.
Stripper version 2: PE/silicone material (Suitable for dry running)	Seal material ¹ PE/silicone/stainless steel PE: complies to FDA regulations 21 CFR 177.15420 „Olefin Polymers” and 21 CFR 178.2010 “Antioxidants and/or stabilizers for polymers”. Also it complies with the European Directive 2002/72/EC “plastic materials and articles intended to come into contact with foodstuffs” and with Recommendation III of the German Federal Institute for Risk Assessment (BfR). Silicon: is suitable for food contact according FDA 21 CFR 177.2600 “Indirect Food Additives (Polymers)- Substance for Use Only as Component of Articles Intended for Repeated Use (Rubber Articles)”. Also it complies with Recommendation XV of German Federal Institute for Risk Assessment (BfR)
Stripper version 3: FKM material	Seal material ¹ FKM Not suitable for food contact

Other sealing (fitted as standard)	Perbunan
Damping	<ul style="list-style-type: none"> - Piston diameter 12mm with elastic end position damping. - Piston diameter 16, 20 and 25mm with fixed air damping.
Lubricant	Approved in accordance with NSF-H1
Others upon request	<ul style="list-style-type: none"> - Stripper version made from UHMWPE¹ for dry running - Stripper version made from Viton¹, white, FDA-compliant - Heat-resistant seals - Custom solutions - Magnetic pistons for position sensing
Medium	<p>Compressed air quality: 2.2.1 compliant with ISO 8573-1 (2=particle / 2=dew point / 1=oil concentration) and VDMA 15390. Take into account the environmental influences in the operating location when you choose the method of filtering and drying compressed air. The operator must choose the filter, dryer and oil classes compliant with ISO 8573-1. For assistance in choosing the compressed air quality, refer to VDMA 15390. Avoid switching from oiled compressed air to non-oiled compressed air or vice versa, for example, for the entire service life. Due to the variety of ambient influences, we cannot assume any liability and warranty for the correctness of our recommendations in individual cases.</p>
Operating pressure in bar	8

1) Gaskets are suitable for aggressive media as found in the foodstuffs and chemical industry. If necessary, inspect the materials for their resistance to the media. Due to the variety of potential media, we cannot assume any liability and warranty for the correctness of our recommendations in individual cases.

Mounting 70

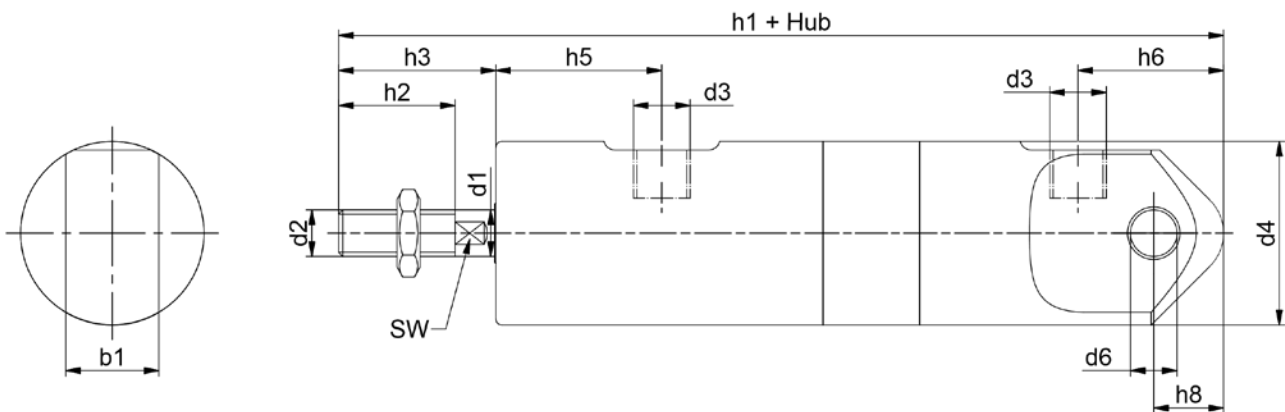
Front thread mounting and rear swivel mounting



KØ	d1 Ø	d2	d3	d4 Ø	d6 Ø H8	d8	h1	h2	h3	h4	h5	h6	h7	h8	b1	SW
12	6	M6	M5	22	6	M16x1.5	100	16	23	36	8	20	38	9	12	5
16	6	M6	M5	26.5	6	M16x1.5	107	16	23	36	8	23	38	9	12	5
20	8	M8	G1/8	31.5	8	M22x1.5	127	20	27	42	11.5	25	44	12	16	7
25	10	M10x1.25	G1/8	36.5	8	M22x1.5	138	22	30	48	11.5	25	50	12	16	9

Mounting 55

Rear swivel mounting



$K\emptyset$	$d1$ \emptyset	$d2$	$d3$	$d4$ \emptyset	$d6$ \emptyset H8	$h1$	$h2$	$h3$	$h5$	$h6$	$h8$	$b1$	sw
12	6	M6	M5	22	6	100	16	23	23	20	9	12	5
16	6	M6	M5	26.5	6	107	16	23	23	23	9	12	5
20	8	M8	G1/8	31.5	8	127	20	27	28.5	25	12	16	7
25	10	M10x1.25	G1/8	36.5	8	138	22	30	31.5	25	12	16	9