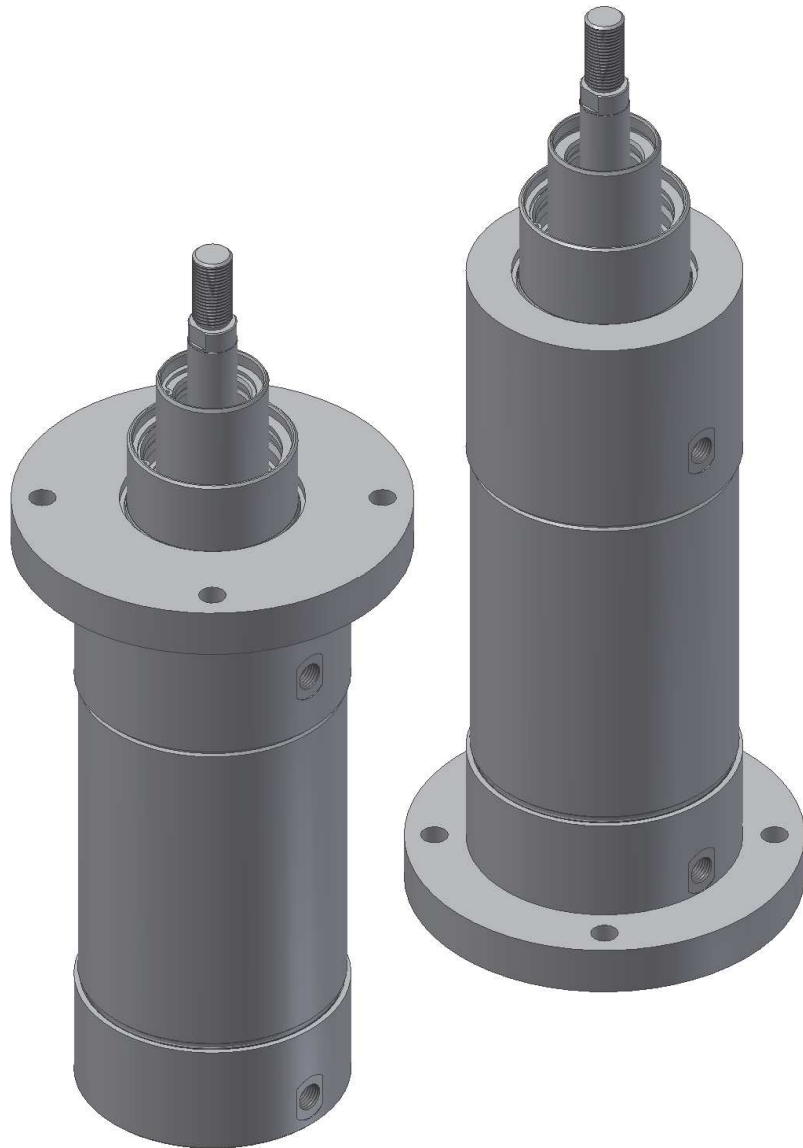


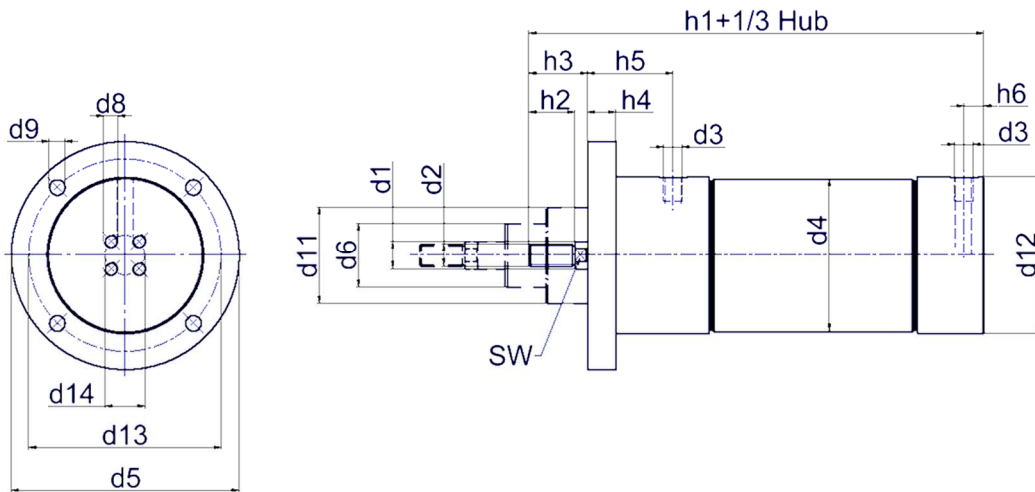
**SERIES 86**  
**Telescopic cylinder**  
**3-level, double effect**



Technical characteristics	
<b>Design type</b>	Telescopic cylinder
<b>Function</b>	3-level, double effect
<b>Piston diameter in mm</b>	12/25/40, 16/30/50, 25/40/63, 30/50/80, 40/63/100
<b>Stroke length in mm</b>	Stroke lengths freely selectable, max. 1,000 mm
<b>Pneumatic connection</b>	G1/8, G1/4
<b>Installation position</b>	- Any - Installation without lateral force
<b>Speed regulation</b>	Possible using supply air throttling
<b>Temperature range</b>	-20°C to +80°C
<b>Materials</b>	- Piston rod from stainless steel - Telescopic pipe from aluminium, hard-anodised - Cylinder pipe from aluminium, hard-anodised - Front and end pieces from aluminium, anodised
<b>Seals</b>	- Perbunan
<b>Damping</b>	End position damping by Vulkollan rings
<b>Other</b>	- Customer-specific solutions upon request - Seal kits upon request
Pneumatic parameters	
<b>Medium</b>	Compressed air quality: 2.2.1 compliant with ISO 8573-1 (2=particle / 2=dew point / 1=oil concentration)
<b>Operating pressure in bar</b>	2 to 8

## Mounting 57

### Front flange mounting

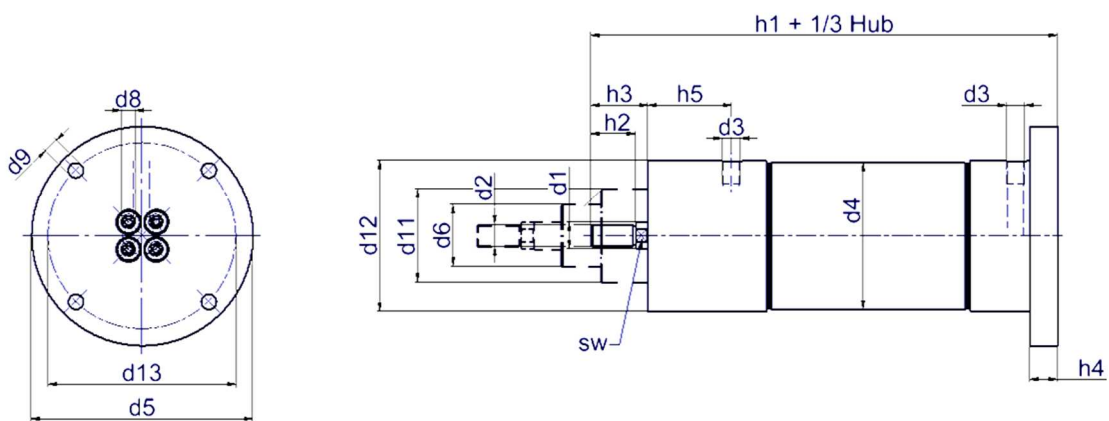


Piston Ø	Theor. compressive force at 6 bar in N	Theor. tensile force at 6 bar in N	d1 Ø	d2	d3	d4 Ø	d5 Ø	d6 Ø	d8	d9 Ø	d11 Ø	d12 Ø
12/25/40	58	43	6	M6	G1/8	45	74	16	M6	6.6	30	50
16/30/50	102	62	10	M8	G1/4	55	84	20	M6	6.6	35	60
25/40/63	260	193	12	M10	G1/4	68	109	30	M6	6.6	45	74
30/50/80	370	200	20	M16x1.5	G1/4	86	129	35	M8	9	55	91
40/63/100	640	480	20	M16x1.5	G1/4	107	159	45	M10	11	68	110

Piston Ø	d13 Ø	d14 Ø	h1	h2	h3	h4	h5	h6	sw
12/25/40	63	20	92	12	15.5	12	34	11	5
16/30/50	73	25	131	20	28	12	36	14	8
25/40/63	87	25	140	20	27	12	46	14	10
30/50/80	107	35	167.5	32	41	12	51	15	17
40/63/100	135	35	186	32	41	20	60	14	17

## Mounting 56

### Rear flange mounting



Piston Ø	Theor. compressive force at 6 bar in N	Theor. tensile force at 6 bar in N	d1 Ø	d2	d3	d4 Ø	d5 Ø	d6 Ø	d8 Ø	d9 Ø	d11 Ø	d12 Ø	d13 Ø
12/25/40	58	43	6	M6	G1/8	45	74	16	M6	6.6	30	50	63
16/30/50	102	62	10	M8	G1/4	55	84	20	M6	6.6	35	60	73
25/40/63	260	193	12	M10	G1/4	68	109	30	M6	6.6	45	74	87
30/50/80	370	200	20	M16x1.5	G1/4	86	129	35	M8	9	55	91	107
40/63/100	640	480	20	M16x1.5	G1/4	107	159	45	M10	11	68	110	135

Piston Ø	h1	h2	h3	h4	h5	h6	sw
12/25/40	101	12	15.5	12	34	20	5
16/30/50	139	20	28	12	36	22	8
25/40/63	148	20	27	12	46	22	10
30/50/80	177.5	32	41	14	51	25	17
40/63/100	202	32	41	20	60	30	17