

2.6 Series 60 Ø32-100 mm single-acting

Technical features

Function	Single-acting with spring return	Stroke length	Freely selectable stroke lengths, max. 100 mm
Design	Compact round cylinder, front and end pieces bolted to cylinder, therefore these cylinders are repairable.	PistonsØ	32, 40, 50, 63, 80, 100 mm
We keep sets of seals for you in stock.		Connections	32= G1/8", 40 / 50= G1/4", 63= G3/8", 80= G3/8", 100= G1/2"
Seals	Perbunan	Any fitting position	
Materials	Piston rod: stainless steel; cylinder: aluminium, hard anodized; front and end pieces: aluminium	Temperature	-20°C to +80°C
Damper	Vulkollan rings in end positions	Medium	Filtered, oil-bearing or oil-free compressed air
		Operating pressure	1 to 10 bar

Customized solutions on request

Ordering example

Pneumatic cylinder	1	-	40	050	51	0250	-	0
Series	_____							
Piston dia.	_____							
Attachment type	_____							
Stroke in mm	_____							
Special version	_____							

You can choose a **customized solution from any of the rogatti-**

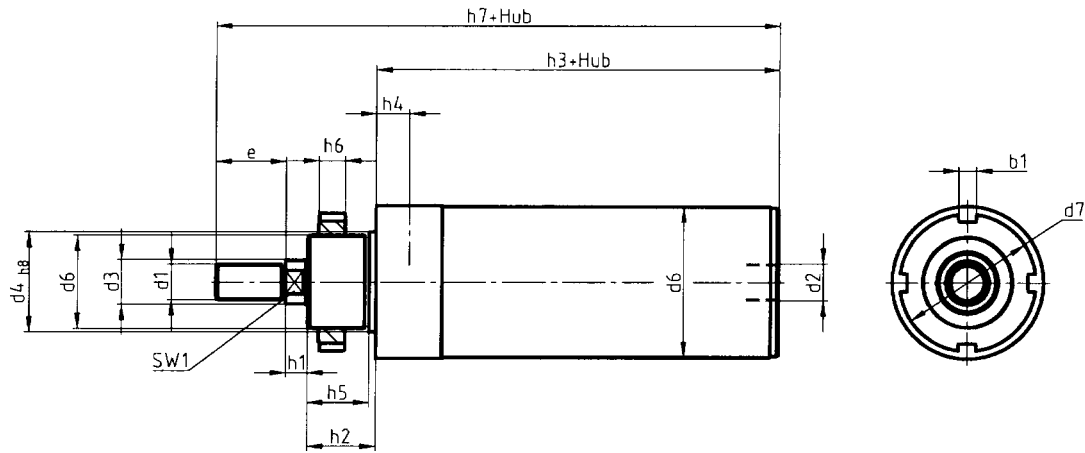
BEWEGUNGSTECHNIK standard series for no additional price: longer piston rod, different thread on piston rod, intermediate strokes, offset connections, smaller/larger connection thread.

We can design, construct and manufacture **customized solutions and assemblies** to your specifications. You will find our form for customized solutions at the end of this catalogue. It will help you with your inquiry.

Special versions

- 0 = Without
 - 1 = Magnetic piston + one proximity switch mounted
 - 2 = Magnetic pistons + two proximity switches mounted
 - M = Magnetic piston
 - D = Heat-resistant seals up to 180°C
- Simply request any other combination.

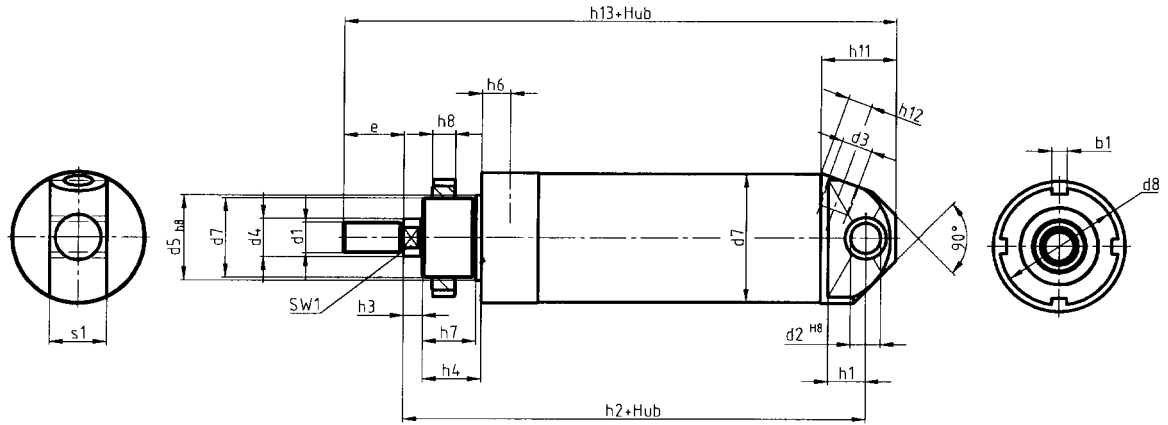
2.6.1 Attachment 53 Front thread attachment



Piston ∅	d ₁	d ₂	d ₃ ∅	d ₄ h ₈ ∅	d ₅ ∅	d ₆	d ₇ ∅	h ₁	h ₂	h ₃	h ₄	h ₅	h ₆	b ₁	e	sw ₁
32	M10	G1/8"	12	32	38	M30x1.5	42	8	20	62	10	18	8	6	20	10
40	M12	G1/4"	16	40	46	M38x1.5	50	9	23	64	11	20	10	7	24	13
50	M16x1.5	G1/4"	20	45	56	M42x1.5	62	10	31	68	11	28	12	8	32	17
63	M16x1.5	G3/8"	20	45	70	M42x1.5	62	10	31	81	15	28	12	8	32	17
80	M20x1.5	G3/8"	25	60	88	M58x1.5	90	10	40	91	15	36	13	10	40	21
100	M20x1.5	G1/2"	25	60	108	M58x1.5	90	10	45	95	17	40	13		40	21

Piston ∅	Spring force at stroke length (N)										h ₇ at stroke				
	25		40		63		80		100		25	40	63	80	100
	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂					
32	45	100	50	100	38	91	50	100	50	100	135	167	190	227	247
40	60	100	45	100	50	110	50	105	53	116	145	177	200	237	257
50	70	130	63	130	63	110	63	120	65	130	166	181	221	238	258
63	70	130	63	130	63	110	63	120	65	130	179	194	234	251	271
80	90	130	90	130	80	170	65	130	65	130	209	221	261	271	291
100	120	200	120	200	100	200	100	200	80	230	215	230	270	287	307

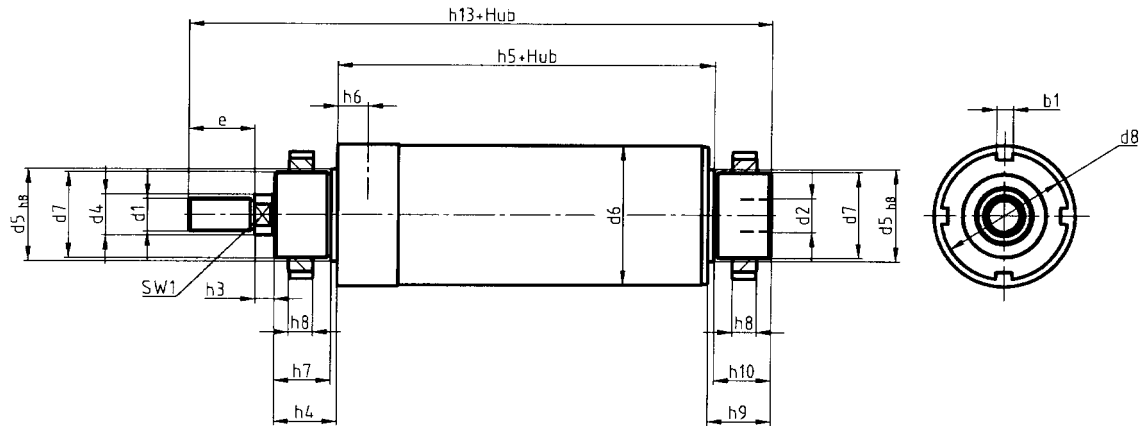
2.6.2 Attachment 55 Rear pivot attachment



Piston ∅	d ₁	d ₂ ∅ H ₈	d ₃	d ₄ ∅	d ₅ h ₈ ∅	d ₆ ∅	d ₇	d ₈ ∅	h ₁	h ₂	h ₃	h ₄	h ₆	h ₇	h ₈	h ₁₁	h ₁₂	b ₁	e	sw ₁	S1
32	M10	10	G1/8"	12	32	38	M30x1.5	42	13	103	8	20	10	18	8	26	8	6	20	10	19
40	M12	12	G1/4"	16	40	46	M38x1.5	50	17	113	9	23	11	20	10	32	10	7	24	13	24
50	M16x1.5	12	G1/4"	20	45	56	M42x1.5	62	17	126	10	31	11	28	12	32	11	8	32	17	28
63		16	G3/8"		45	70	M42x1.5	62	20	142	10	31	15	28	12	40	13	8	32	17	30
80	M20x1.5	16	G3/8"	25	60	88	M58x1.5	90	21	162	10	40	15	36	13	43	14	10	40	21	40
100	M20x1.5	20	G1/2"	25	60	108	M58x1.5	90	25	175	10	45	17	40	13	49	20	10	40	21	50

Piston ∅	Spring force at stroke length (N)										h ₁₃ at stroke				
	25		40		63		80		100		25	40	63	80	100
	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂					
32	45	100	50	100	38	91	50	100	50	100	135	167	190	227	247
40		100	45	100	50	110	50	105	53	116	145	177	200	237	257
50	70	130	63	130	63	110	63	120	65	130	166	181	221	238	258
63	70	130		130	63		63	120		130	179		234	251	
80	90	130	90	130	80	170	65	130	65	130	209	221	261	271	291
100	120	200	120	200	100	200	100	200	80	230	215	230	270	287	307

2.6.3 Attachment 63 Front and rear thread attachment



Piston ∅	d ₁	d ₂ ∅ H ₈	d ₄ ∅	d ₅ h ₈ ∅	d ₆ ∅	d ₇	d ₈ ∅	h ₃	h ₄	h ₅	h ₆	h ₇	h ₈	h ₉	h ₁₀	b ₁	e	sw ₁
32	M10	10	12	32	38	M30x1.5	42	8	20	62	10	18	8	20	18	6	20	10
40	M12	12	16	40	46	M38x1.5	50	9	23	64	11	20	10	23	20	7	24	13
50	M16x1.5	12	20	45	56	M42x1.5	62	10	31	68	11	28	12	24	21	8	32	17
63	M16x1.5	16	20	45	70	M42x1.5	62	10	31	81	15	28	12	24	21	8	32	17
80	M20x1.5	16	25	60	88	M58x1.5	90	10	40	91	15	36	13	30	26	10	40	21
100	M20x1.5	20	25	60	108	M58x1.5	90	10	45	95	17	40	13	30	25	10	40	21

Piston ∅	Spring force at stroke length (N)										h ₁₃ at stroke				
	25		40		63		80		100		25	40	63	80	100
	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂	F ₁	F ₂					
32	45	100	50	100	38	91	50	100	50	100	135	167	190	227	247
40	60	100	45	100	50	110	50	105	53	116	145	177	200	237	257
50	70	130	63	130	63	110	63	120	65	130	166	181	221	238	258
63	70	130	63	130	63	110	63	120	65	130	179	194	234	251	271
80	90	130	90	130	80	170	65	130	65	130	209	221	261	271	291
100	120	200	120	200	100	200	100	200	80	230	215	230	270	287	307