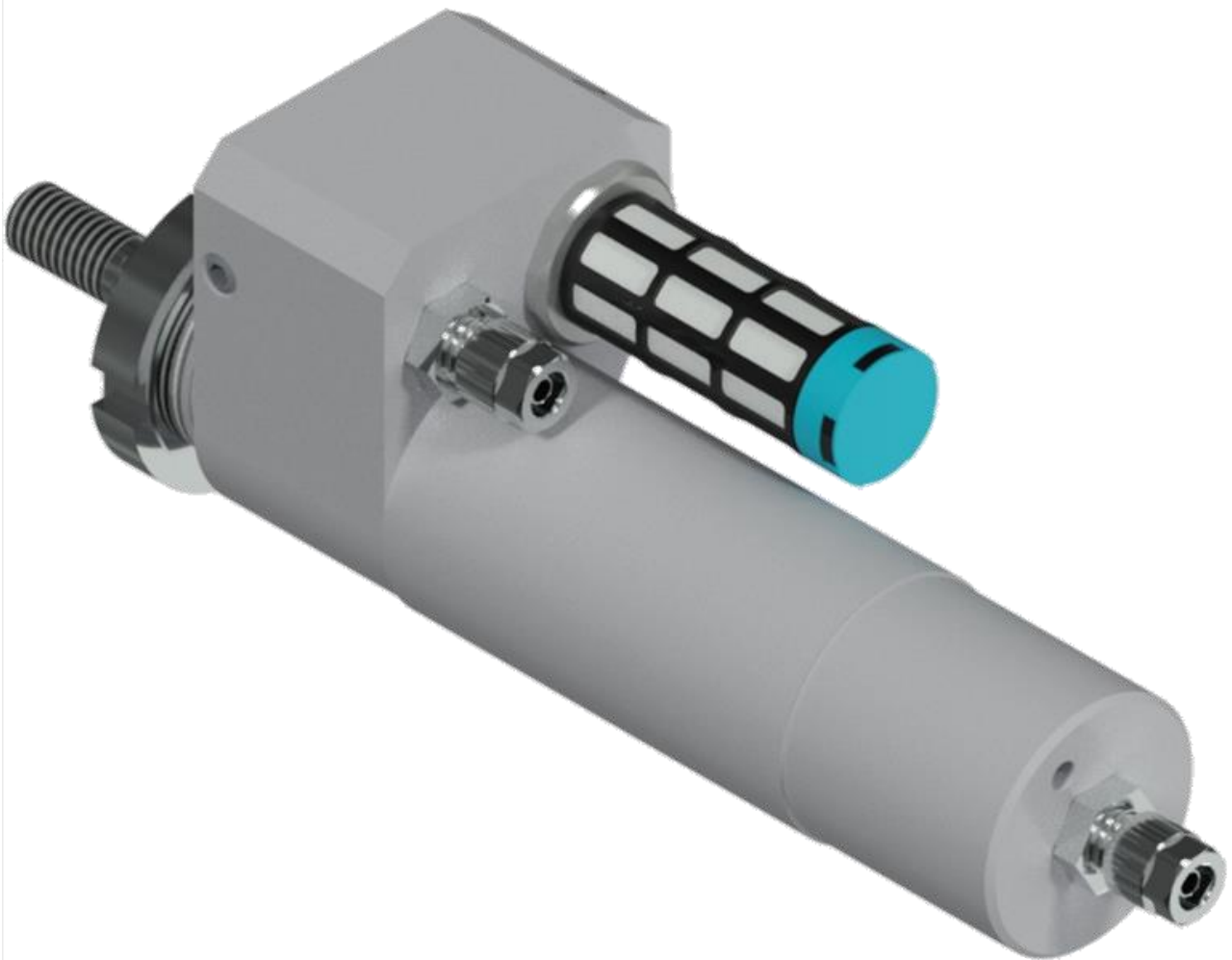
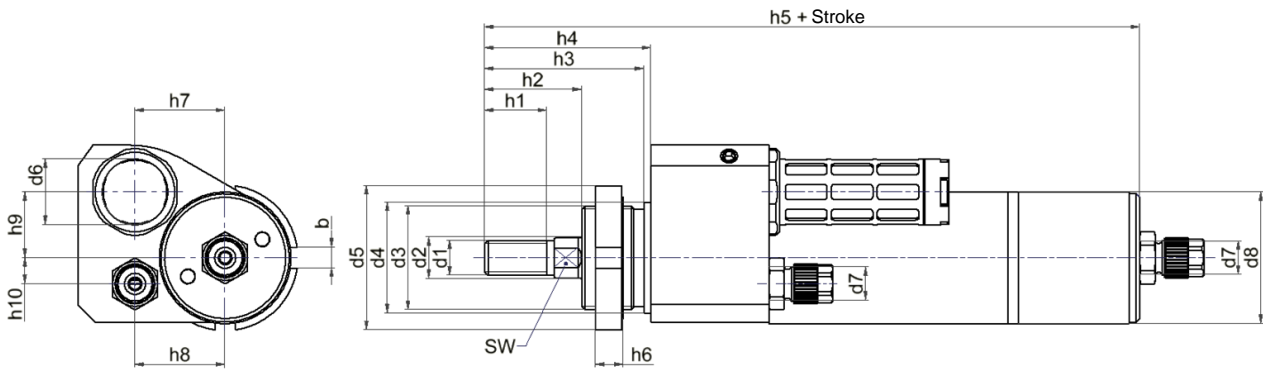
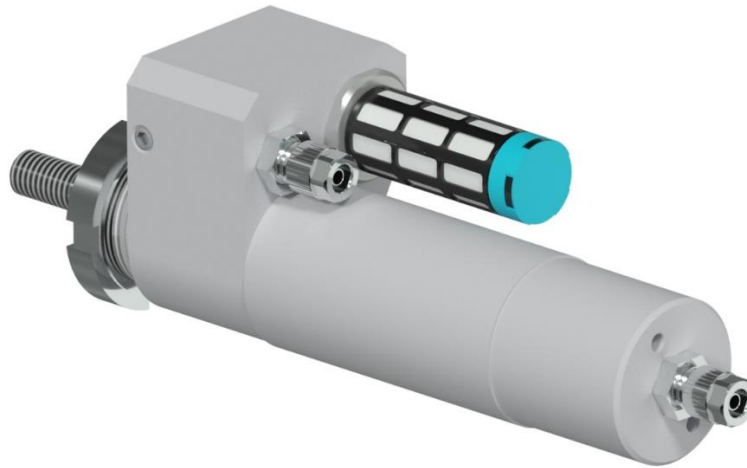


## PNEUMATIC IMPACT CYLINDER Double action



Technical characteristics	
<b>Design type</b>	Pneumatic impact cylinder
<b>Function</b>	-Double action -An explosive expansion of the compressed air in the air cell cause the piston rod to accelerate.
<b>Application</b>	Marking, stamping, cutting, shearing
<b>Piston diameter in mm</b>	32, 50
<b>Stroke length in mm</b>	30, 50, 60, 80
<b>Pneumatic connection</b>	G1/8-6, G1/4-8
<b>Installation position</b>	Any
<b>Temperature range</b>	-20°C to +80°C
<b>Materials Aluminium design</b>	-Cylinder pipe from aluminium, hard anodised -Front and end pieces from aluminium, anodised -Quick-ventilation valve 1.4301
<b>Materials Stainless steel design</b>	- Cylinder pipe from stainless steel, 1.4301 -Front and end pieces from stainless steel, 1.4301 -Quick-ventilation valve 1.4301
<b>Seals</b>	Polyurethane, NBR
<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</b>	5 to 8 bar (0,5-0,8 MPa)
Conditions of use	
<b>Stroke frequency</b>	Max. 20 strokes / min
<b>Final impact</b>	The cylinder may never be permitted to move into its own extended end position. The stroke must always be subject to external restriction

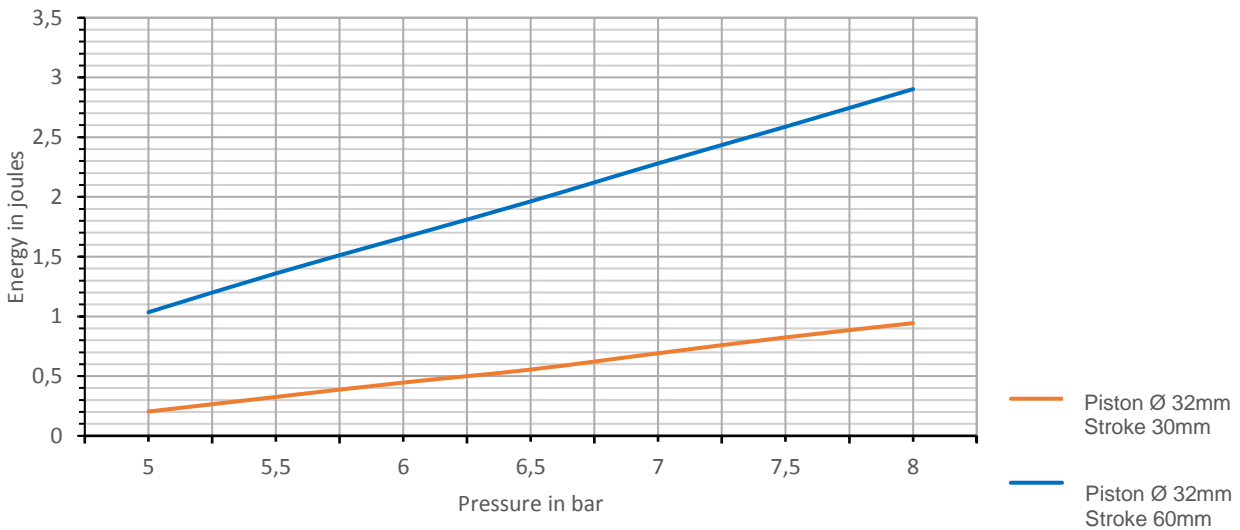


Design	Part no.	Piston Ø	Stroke	d1	d2Ø	d3	d4 Ø h8	d5 Ø	d6	d7Ø	d8 Ø
Aluminium Stainless steel	00100-47 00101-66	32	30	M10x1,5	12	M30x1,5	32	42	19	G1/8-6	38 36
Aluminium Stainless steel	00100-73 00101-64	32	60	M10x1,5	12	M30x1,5	32	42	19	G1/8-6	38 36
Aluminium Stainless steel	00100-48 00101-65	50	50	M16x1,5	20	M42x1,5	45	62	19	G1/4-8	55
Aluminium Stainless steel	00100-78 00101-63	50	80	M16x1,5	20	M42x1,5	45	62	19	G1/4-8	55

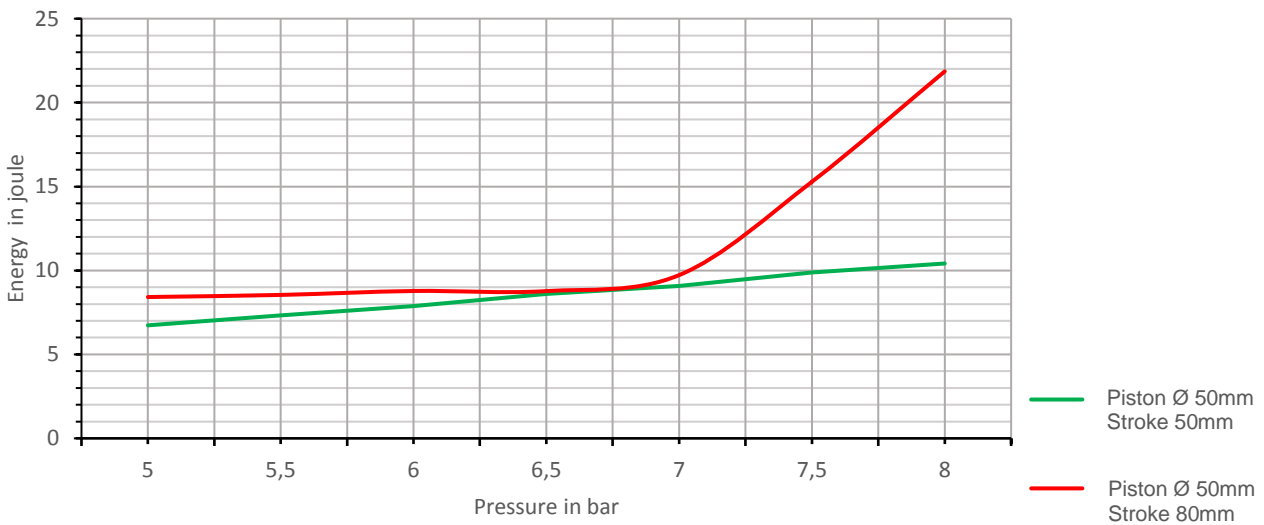
Design	Part no.	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	b	sw
Aluminium Stainless steel	00100-47 00101-66	18	28	46	48	160	8	26	26	19	7,5	6	10
Aluminium Stainless steel	00100-73 00101-64	18	28	46	48	160	8	26	26	19	7,5	6	10
Aluminium Stainless steel	00100-48 00101-65	29	42	70	73	200	12	40	40	12	15	8	17
Aluminium Stainless steel	00100-78 00101-63	29	42	70	73	200	12	40	40	12	15	8	17

Given use in a damp and/or aggressive atmosphere, we strongly recommend replacement of the sound absorber with an air line in a protected area.

## Impact energy with a piston diameter of 32mm



## Impact energy with a piston diameter of 50mm



The diagrammes are intended to facilitate decisions!  
The impact energy must be confirmed by experiment!  
The values depicted were measured 5 mm before the total stroke was reached!

We are happy to provide consultation regarding the use of the impact cylinder.