PNEUMATIC IMPACT CYLINDER
Double action

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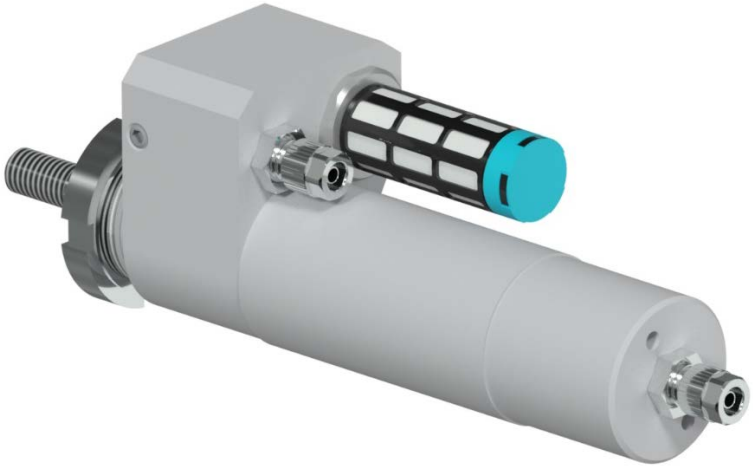
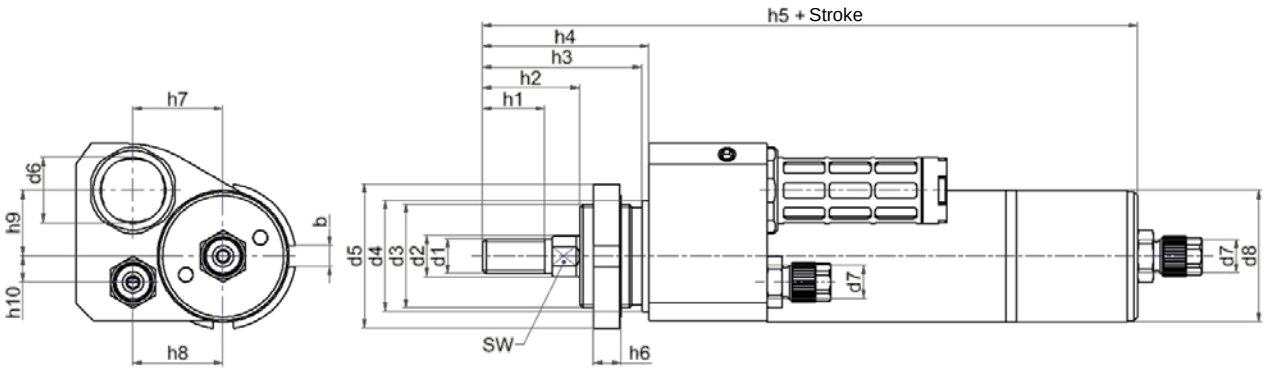
Technical characteristics	
Design type	Pneumatic impact cylinder
Function	-Double action -An explosive expansion of the compressed air in the air cell cause the piston rod to accelerate.
Application	Marking, stamping, cutting, shearing
Pistion diameter in mm	32, 50
Stroke lenght in mm	30, 50, 60, 80
Pneumatic connection	G1/8-6, G1/4-8
Installation position	Any
Temperature range	-20°C to +80°C
Materials **Aluminium design**	-Cylinder pipe from aluminium, hard anodised -Front and end pieces from aluminium, anodised -Quick-ventilation valve 1.4301
Materials **Stainless steel design**	- Cylinder pipe from stainless steel, 1.4301 -Front and end pieces from stainless steel, 1.4301 -Quick-ventilation valve 1.4301
Seals	Polyurethane, NBR
Damping	End position damping by Vulkollan rings
Other	-Customer specific solutions upon request -seal kits upon request
Pneumatic parameters	
Medium	Compressed air quality: 2.2.1 compliant with ISO 8573-1 (2=particle / 2=dew point / 1=oil concentration)
Operating pressure	5 to 8 bar (0,5-0,8 MPa)
Conditions of use	
Stroke frequency	Max. 20 strokes / min
Final impact	The cylinder may never be permitted to move into its own extended end position. The stroke must always be subject to external restriction



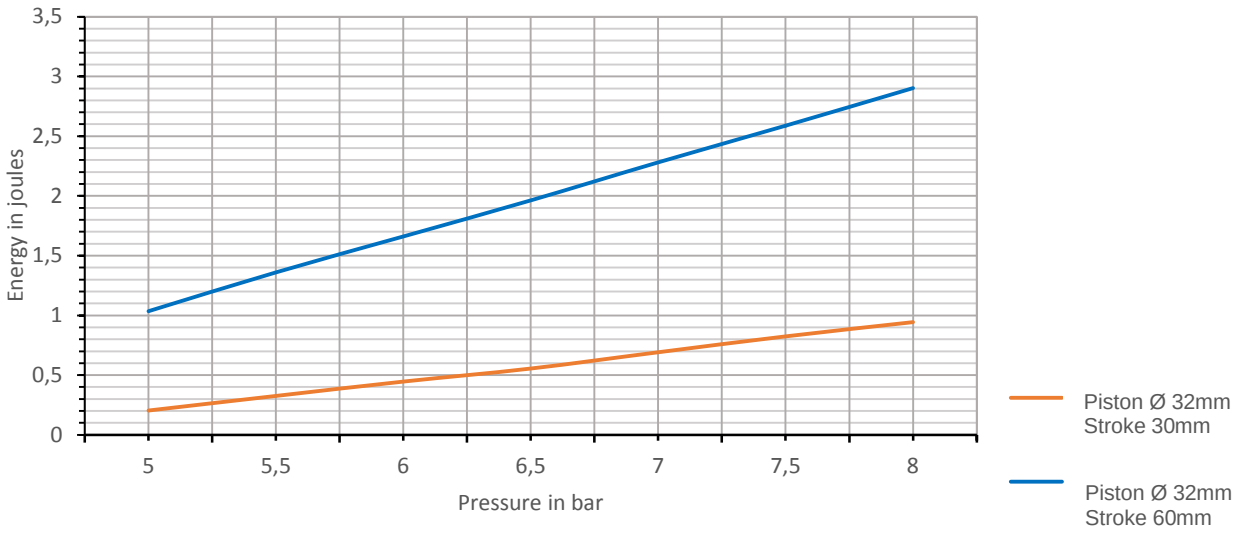


Design	Part no.	Pistion Ø	Stroke	d1	d2Ø	d3	d4 Ø h8	d5 Ø	d6	d7Ø	d8 Ø
Aluminium Stainless steel	**00100-47 00101-66**	32	30	M10x1,5	12	M30x1,5	32	42	19	G1/8-6	38 36
Aluminium Stainless steel	**00100-73 00101-64**	32	60	M10x1,5	12	M30x1,5	32	42	19	G1/8-6	38 36
Aluminium Stainless steel	**00100-48 00101-65**	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

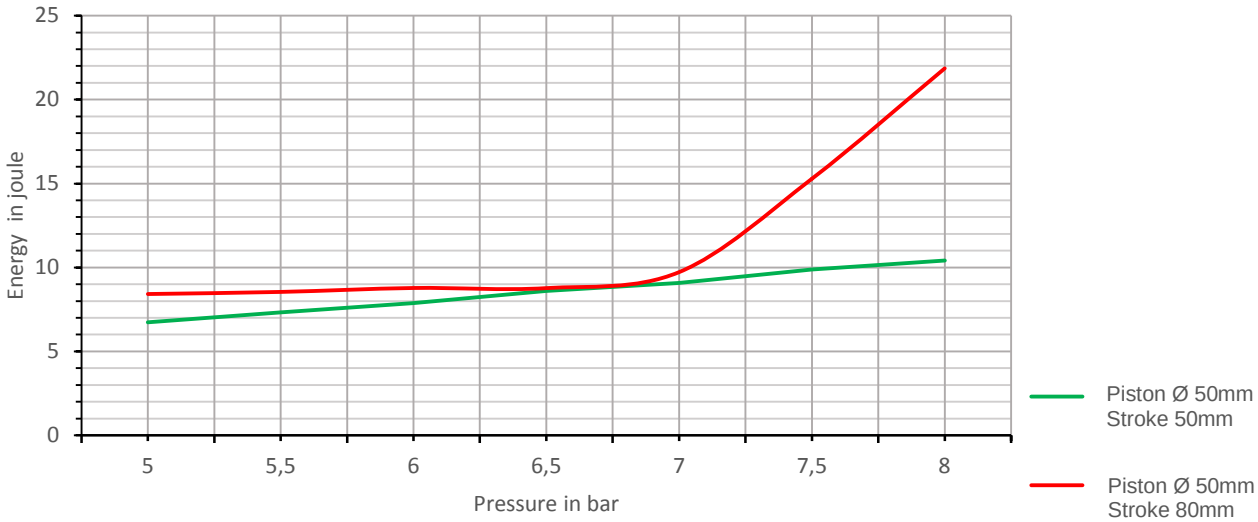
Design	Part no.	h1	h2	h3	h4	h5	h6	h7	h8	h9	h10	b	sw
Aluminium Stainless steel	**00100-47 00101-66**	18	28	46	48	160	8	26	26	19	7,5	6	10
Aluminium Stainless steel	**00100-73 00101-64**	18	28	46	48	160	8	26	26	19	7,5	6	10
Aluminium Stainless steel	**00100-48 00101-65**	29	42	70	73	200	12	40	40	12	15	8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