

Mini solenoid cylinder for aggressive environments Series DSM



Design type	Mini solenoid cylinder according to ISO 6432
Heads	Stainless steel X5CrNi1810
Piston rod	Stainless steel X5CrNi1810
Cylinder tube	Stainless steel X5CrNi1810
Seals	Piston rod seal FKM, all other seals NBR
Stopper	mechanical
Nuts	Stainless steel X10CrNiS18-09
Ambient temperature	-10...+70°C
Medium temperature	0...+40°C
Lubrication	not necessary
Medium	filtered compressed air
maximum operating pressure	10 bar
Special version	ATEX version available: II 3GD c T5 T 165° -5 < Ta > 50°C Type XD5M/..., XD5M/...P
Scope of delivery	incl. Neck and piston rod nut
Note	Technical documentation for accessories see separate data sheet CAD files are available in the STASTO Store at www.stasto.eu

Type code

DSM	__ /	__ -	__ -
	12 Ø12	Stroke [mm]	double-acting
	16 Ø16		P continuous piston rod
	20 Ø20		SEA single-acting spring front
	25 Ø25		SEP single-acting, spring at rear
			VV Viton complete

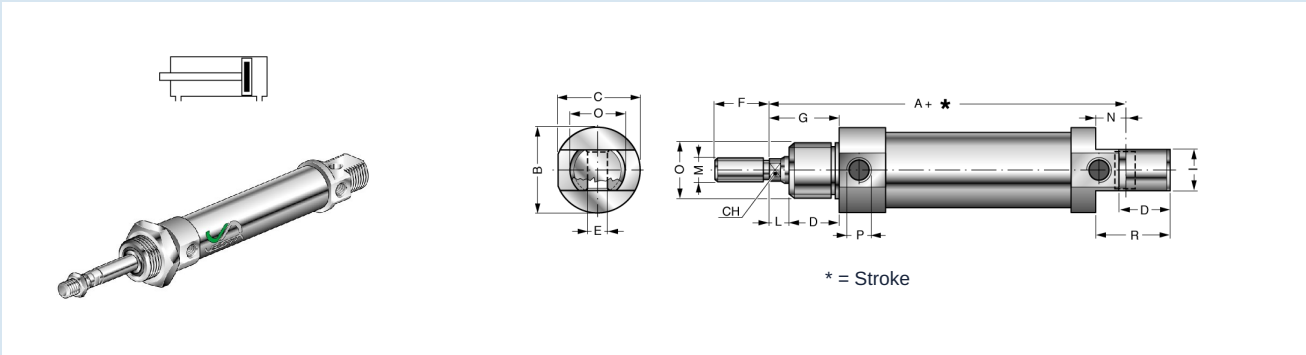


Standard strokes

Ø	10	25	50	80	100	125	160	200	250	300	350	400	450	500
12	•	•	•	•	•	•	•							
16	•	•	•	•	•	•	•	•	•	•				
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25	•	•	•	•	•	•	•	•	•	•	•	•	•	•

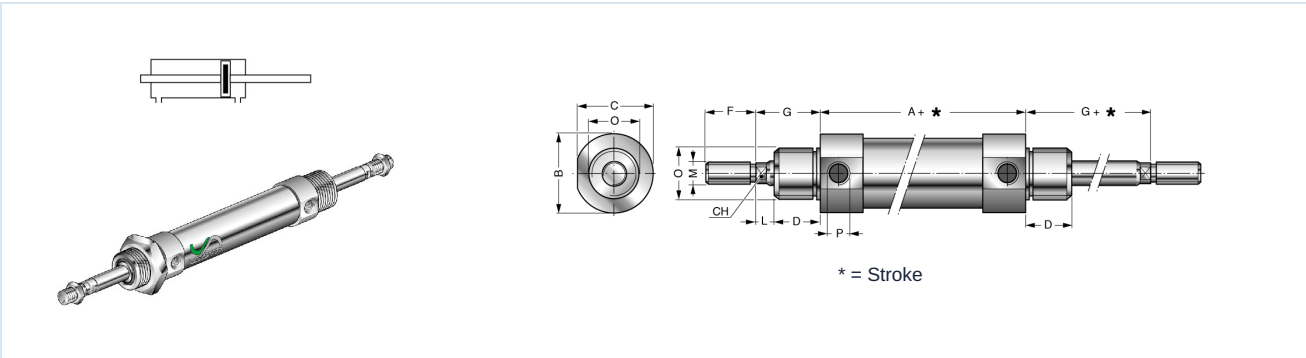
Special stroke on request

DSM .. - ... double-acting



Ø	A	ØB	C	CH	D	ØE H9	F	G	I	L	ØM	N	ØO	ØP	R	Type
12	75	18	17,2	5	15	6	16	22	12	7	M6x1	9	M16x1,5	M5	22	DSM12/...
16	82	20	19	5	15	6	16	22	12	7	M6x1	9	M16x1,5	M5	22	DSM16/...
20	95	25	26,2	7	19	8	20	24	16	5	M8x1,25	12	M22x1,5	G1/8	30	DSM20/...
25	104	30	28,3	8	20	8	22	28	16	8	M10x1,25	12	M22x1,5	G1/8	30	DSM25/...

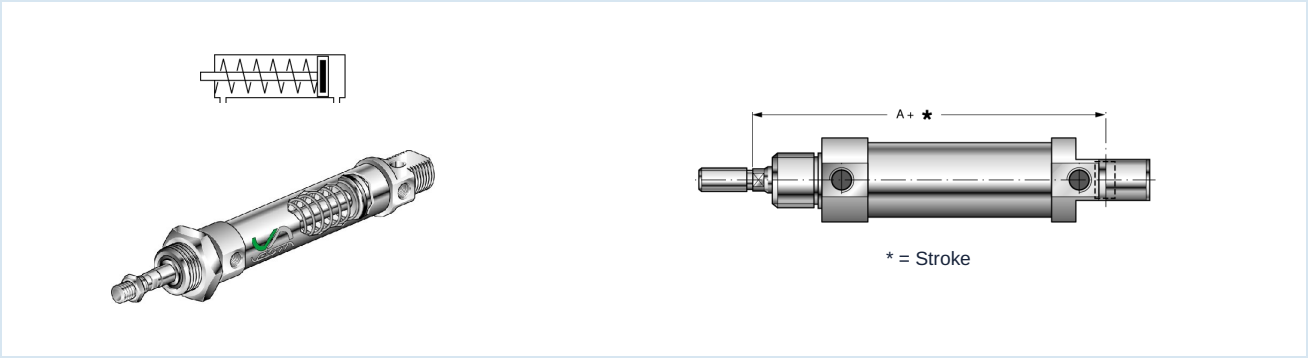
DSM .. - ... P double-acting, continuous piston rod



Ø	A	ØB	C	CH	D	F	G	L	ØM	ØO	ØP	Type
12	75	18	17,2	5	15	16	22	7	M6x1	M16x1,5	M5	DSM12/...P
16	82	20	19	5	15	16	22	7	M6x1	M16x1,5	M5	DSM16/...P
20	95	25	26,2	7	19	20	24	5	M8x1,25	M22x1,5	G1/8	DSM20/...P
25	104	30	28,3	8	20	22	28	8	M10x1,25	M22x1,5	G1/8	DSM25/...P

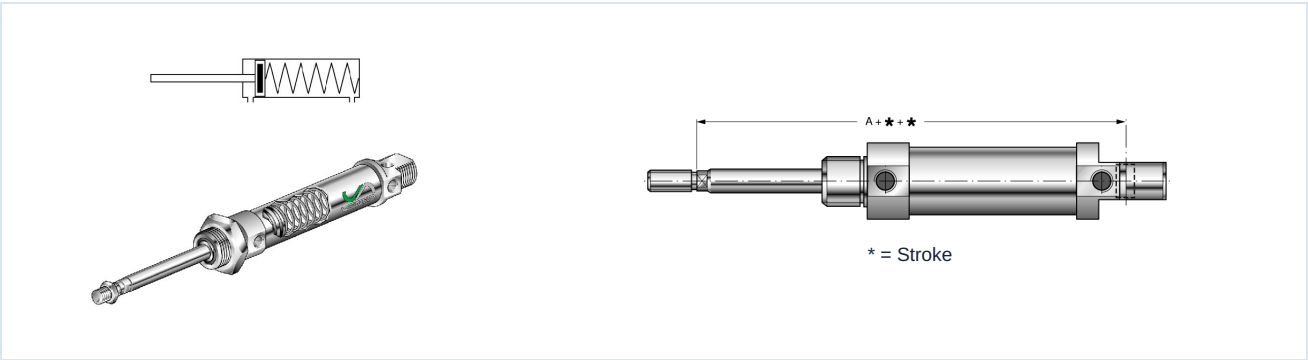


DSM .. - ... SEA single-acting, Spring front



Ø	A	Spring force [daN]						Type
		Stroke 10mm		Stroke 25mm		Stroke 50mm		
		min.	max.	min.	max.	min.	max.	
12	75	2,1	2,4	1,6	2,4	0,35	2,4	DSM12/...SEA
16	82	2,2	2,5	1,6	2,5	0,5	2,5	DSM16/...SEA
20	95	2,3	2,6	1,7	2,6	1	2,6	DSM20/...SEA
25	104	2,3	2,6	1,7	2,6	1	2,6	DSM25/...SEA

DSM .. - ... SEP single-acting, Spring rear



Ø	A	Spring force [daN]						Type
		Stroke 10mm		Stroke 25mm		Stroke 50mm		
		min.	max.	min.	max.	min.	max.	
12	75	2,1	2,4	1,6	2,4	0,35	2,4	DSM12/...SEP
16	82	2,2	2,5	1,6	2,5	0,5	2,5	DSM16/...SEP
20	95	2,3	2,6	1,7	2,6	1	2,6	DSM20/...SEP
25	104	2,3	2,6	1,7	2,6	1	2,6	DSM25/...SEP

Illustrations non-binding
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