

mini magnetic cylinder for aggressive environments series DSM



design	mini magnetic cylinder according to ISO 6432
heads	stainless steel X5CrNi1810
piston-rod	stainless steel X5CrNi1810
cylinder tube	stainless steel X5CrNi1810
seals	rod seal FKM, all other seals NBR
limit stop	mechanical
nuts	stainless steel X10CrNiS18-09
ambient temperature	-10°C...+70°C
medium temperature	0°C...+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 supply	incl. round-neck nut and piston rod nut
information	technical documents for accessories: see separate datasheet CAD files are available on the STASTO Store under www.stasto.eu

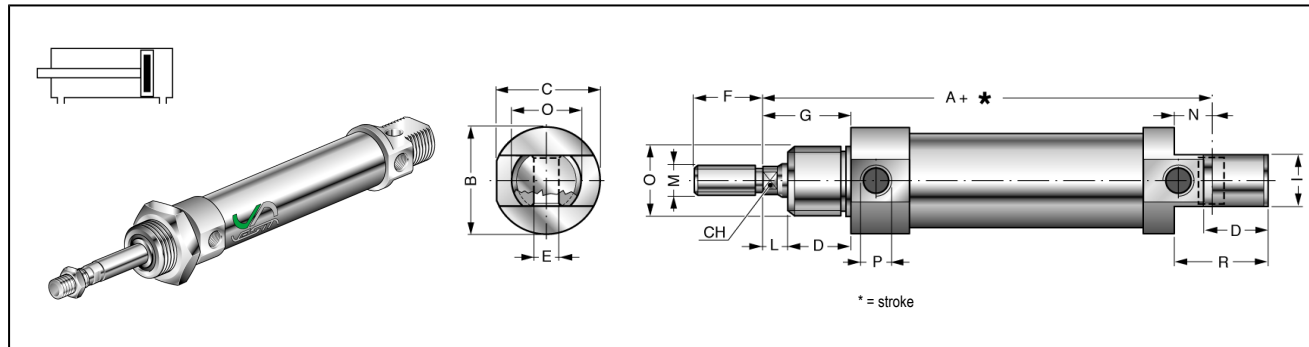
type code

DSM	___	/	___	-	___	-	___
	12	ø12	stroke [mm]				double acting
	16	ø16					P through-rod
	20	ø20					SEA single acting spring in front
	25	ø25					SEP single acting spring in the back
							VV viton completely

standard strokes

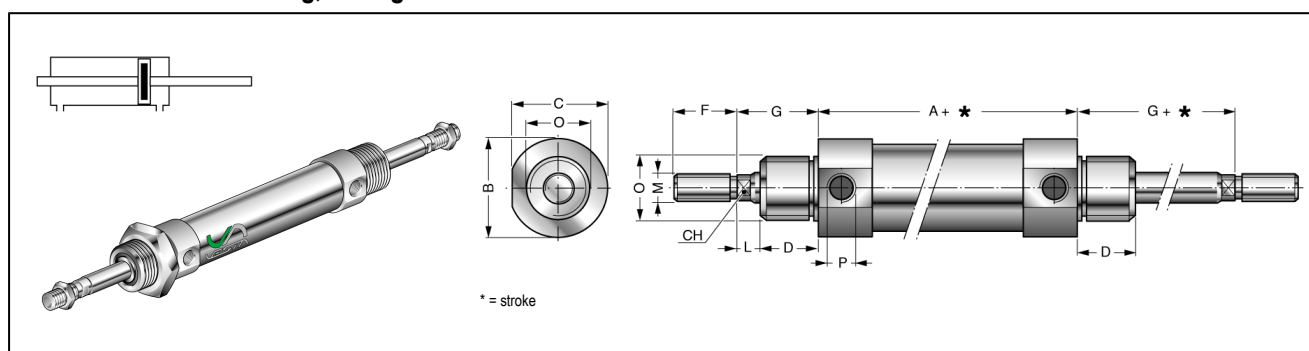
Ø	10	25	50	80	100	125	160	200	250	300	350	400	450	500
12	•	•	•	•	•	•	•							
16	•	•	•	•	•	•	•	•	•	•				
20	•	•	•	•	•	•	•	•	•	•	•	•	•	•
25	•	•	•	•	•	•	•	•	•	•	•	•	•	•
non-standard stroke on request														

DSM .. - ... double acting



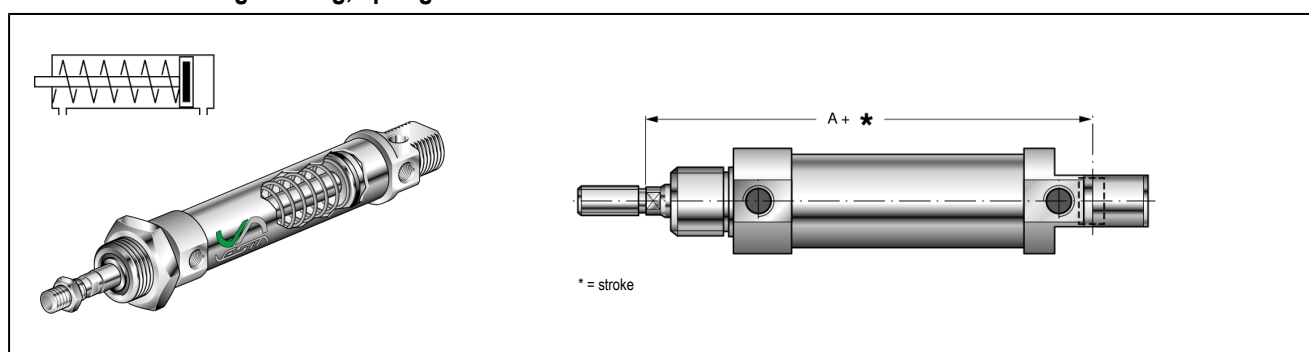
Ø	A	ØB	C	CH	D	ØE H9	F	G	I	L	ØM	N	ØO	ØP	R	type
12	75	18	17,2	5	15	6	16	22	12	7	M6x1	9	M16x1,5	M5	22	DSM12/...
16	82	22	21,2	5	15	6	16	22	12	7	M6x1	9	M16x1,5	M5	22	DSM16/...
20	95	28	26,2	7	19	8	20	24	16	5	M8x1,25	12	M22x1,5	G1/8	30	DSM20/...
25	104	32	32,5	8	20	8	22	28	16	8	M10x1,25	12	M22x1,5	G1/8	30	DSM25/...

DSM .. - ... P double acting, through-rod



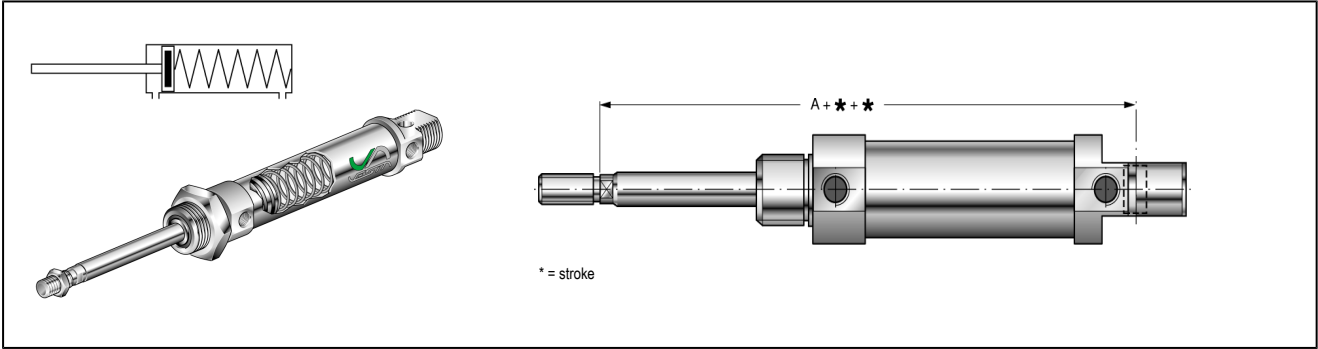
Ø	A	ØB	C	CH	D	F	G	L	ØM	ØO	ØP	type
12	49,5	18	17,2	5	15	16	22	7	M6x1	M16x1,5	M5	DSM12/...P
16	56	22	21,2	5	15	16	22	7	M6x1	M16x1,5	M5	DSM16/...P
20	68	28	26,2	7	19	20	24	5	M8x1,25	M22x1,5	G1/8	DSM20/...P
25	69	32	32,5	8	20	22	28	8	M10x1,25	M22x1,5	G1/8	DSM25/...P

DSM .. - ... SEA single acting, spring in front



Ø	A	springforce [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, backside spring



Ø	A	springforce [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 are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice