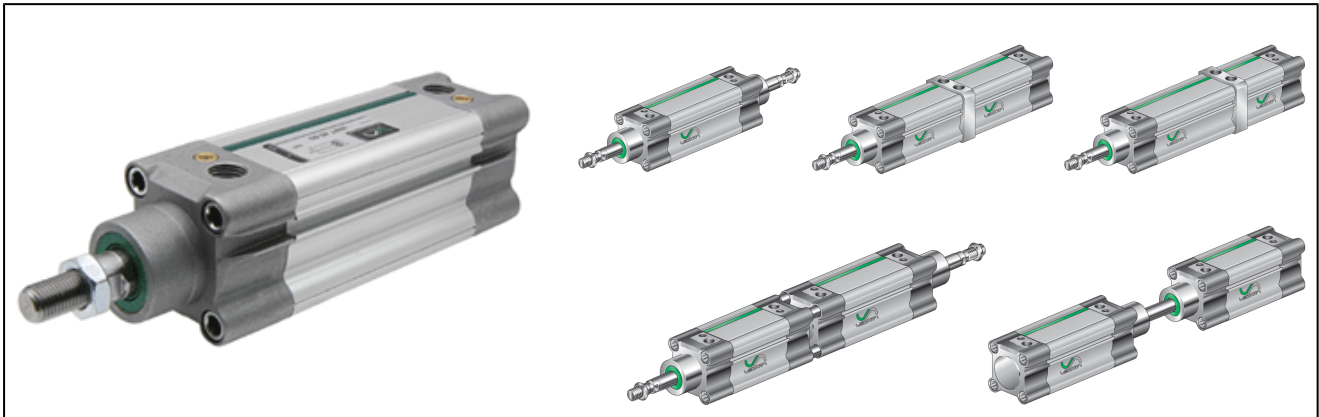


profile magnetic cylinder VDMA - ISO 15552 series NWT



design	profile magnetic cylinder according to VDMA - ISO 15552
heads	high pressure diecasting aluminum alloy
piston-rod	stainless steel X20Cr13 rolled
cylinder tube	aluminum profile hard anodized
seals	polyurethane
cushions	pneumatically, adjustable
limit stop	mechanical
ambient temperature	-10...+80°C (-5...+150°C for types FKM completely, low temperature equipment -30...+80°C)
medium temperature	0...+40°C
lubrication	not necessary
medium	filtered compressed air
maximum operating pressure	10bar
scope of supply	incl. rod nut
special versions	ATEX, for areas where there is a risk of explosions
information	technical documents for accessories: see separate datasheet CAD files are available on the STASTO Store under www.stasto.eu magnetic switch see separate datasheet

type code

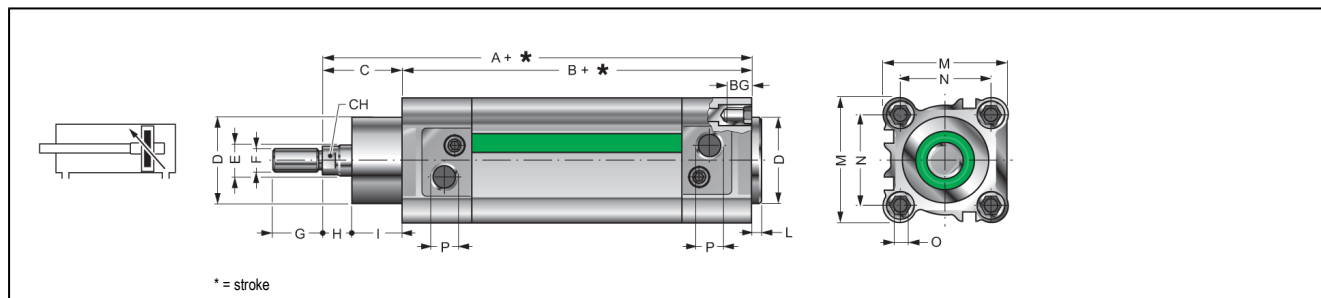
NWT	stroke [mm]	
32 ø32		— double acting
40 ø40		P through-rod
50 ø50		SEA single acting spring in front
63 ø63		SEP single acting backside spring
80 ø80		VS FKM rod seal
100 ø100		VV FKM completely
125 ø125		LT low temperature equipment

standard strokes, cushion length

Ø	25	50	80	100	125	160	200	250	300	350	400	450	500	600	700	800	900	1000	cushion length
32	•	•	•	•	•	•	•	•	•	•	•	•	•						24
40	•	•	•	•	•	•	•	•	•	•	•	•	•						27
50	•	•	•	•	•	•	•	•	•	•	•	•	•						30
63	•	•	•	•	•	•	•	•	•	•	•	•	•						30
80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	36
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38
125	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	38

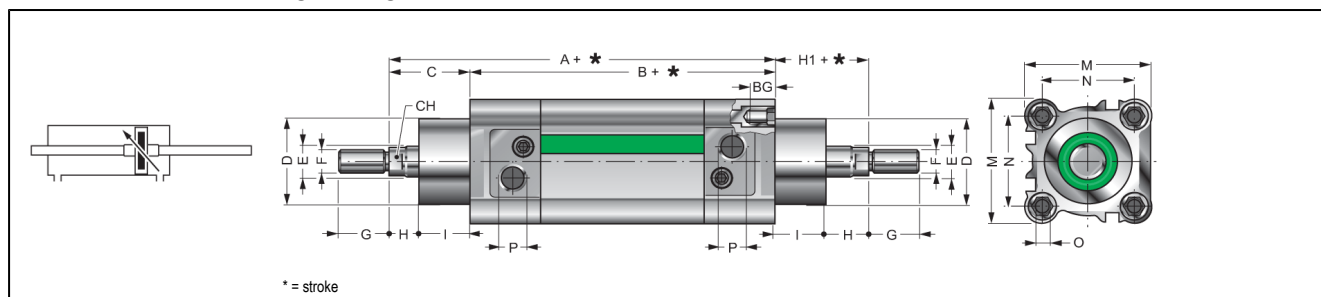
non-standard stroke on request

NWT ../... double acting



Ø	A	B	C	D	E	F	G	H	I	L	M	N	O	P	BG	CH	type
32	120	94	26	30	12	M10x1,25	20	8	18	4	45	32,5	M6	G 1/8	16	10	NWT32/...
40	135	105	30	35	16	M12x1,25	24	8,5	21,5	4	54	38	M6	G 1/4	16	13	NWT40/...
50	143	106	37	40	20	M16x1,5	32	9	28	4	64	46,5	M8	G 1/4	16	17	NWT50/...
63	158	121	37	45	20	M16x1,5	32	8,5	28,5	4	75	56,5	M8	G 3/8	16	17	NWT63/...
80	174	128	46	45	25	M20x1,5	40	11,5	34,5	4	93	72	M10	G 3/8	18	21	NWT80/...
100	189	138	51	55	25	M20x1,5	40	13	38	4	110	89	M10	G 1/2	18	21	NWT100/...
125	225	160	65	60	30	M27x2	54	30	35	5	142	110	M12	G 1/2	22	27	NWT125/...

NWT ../... P double acting, through-rod



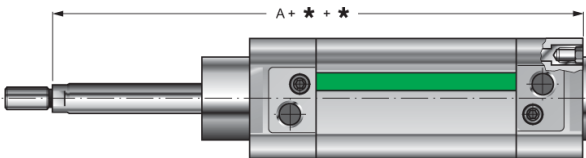
Ø	A	B	C	D	E	F	G	H	H1	I	L	M	N	O	P	BG	CH	type
32	120	94	26	30	12	M10x1,25	20	8	26	18	4	45	32,5	M6	G 1/8	16	10	NWT32/...P
40	135	105	30	35	16	M12x1,25	24	8,5	30	21,5	4	54	38	M6	G 1/4	16	13	NWT40/...P
50	143	106	37	40	20	M16x1,5	32	9	37	28	4	64	46,5	M8	G 1/4	16	17	NWT50/...P
63	158	121	37	45	20	M16x1,5	32	8,5	37	28,5	4	75	56,5	M8	G 3/8	16	17	NWT63/...P
80	174	128	46	45	25	M20x1,5	40	11,5	46	34,5	4	93	72	M10	G 3/8	18	21	NWT80/...P
100	189	138	51	55	25	M20x1,5	40	13	51	38	4	110	89	M10	G 1/2	18	21	NWT100/...P
125	225	160	65	60	30	M27x2	54	30	65	35	5	142	110	M12	G 1/2	22	27	NWT125/...P

NWT ../... SEA single acting, spring in front

Ø	A	type
32	120	NWT32/...SEA
40	135	NWT40/...SEA
50	143	NWT50/...SEA
63	158	NWT63/...SEA
80	174	NWT80/...SEA
100	189	NWT100/...SEA

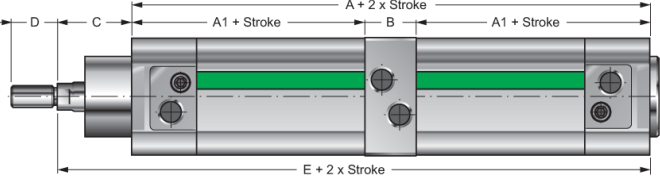
stroke	springforce [N]											
	Ø32		Ø40		Ø50		Ø63		Ø80		Ø100	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
10	50	54	72	82	110	123	110	123	166	180	166	180
20	44	54	62	82	98	123	98	123	152	180	152	180
30	40	54	52	82	86	123	86	123	137	180	137	180
40	35	54	42	82	73	123	73	123	123	180	123	180
50	30	54	32	82	60	123	60	123	110	180	110	180

NWT .../... SEP single acting, backside spring

		Ø	A	type
		32	120	NWT32/...SEP
		40	135	NWT40/...SEP
		50	143	NWT50/...SEP
		63	158	NWT63/...SEP
		80	174	NWT80/...SEP
		100	189	NWT100/...SEP
		* = stroke		for further dimensions see cylinder NWT standard

stroke	springforce [N]											
	Ø32		Ø40		Ø50		Ø63		Ø80		Ø100	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
10	50	54	72	82	110	123	110	123	166	180	166	180
20	44	54	62	82	98	123	98	123	152	180	152	180
30	40	54	52	82	86	123	86	123	137	180	137	180
40	35	54	42	82	73	123	73	123	123	180	123	180
50	30	54	32	82	60	123	60	123	110	180	110	180

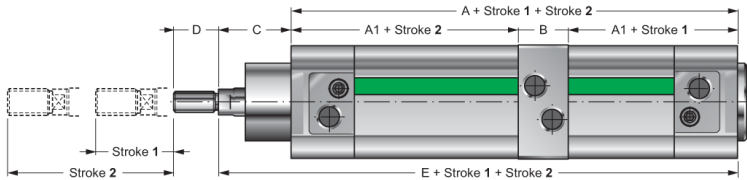
NWT ... TN2 ... tandem

		for further dimensions see cylinder NWT standard	

NWT _ _ / _ _ TN2 _ _
 Ø | stroke
 P through-rod
 VS FKM rod seal
 VV FKM completely

Ø	A	A1	B	C	D	E	type
32	156	68	20	26	20	182	NWT32/...TN2..
40	175	73,5	28	30	24	205	NWT40/...TN2..
50	171	76,5	18	37	32	208	NWT50/...TN2..
63	191	85	21	37	32	228	NWT63/...TN2..
80	205	91,5	22	46	40	251	NWT80/...TN2..
100	224	98,5	27	51	40	275	NWT100/...TN2..
125	265	115	35	65	54	330	NWT125/...TN2..

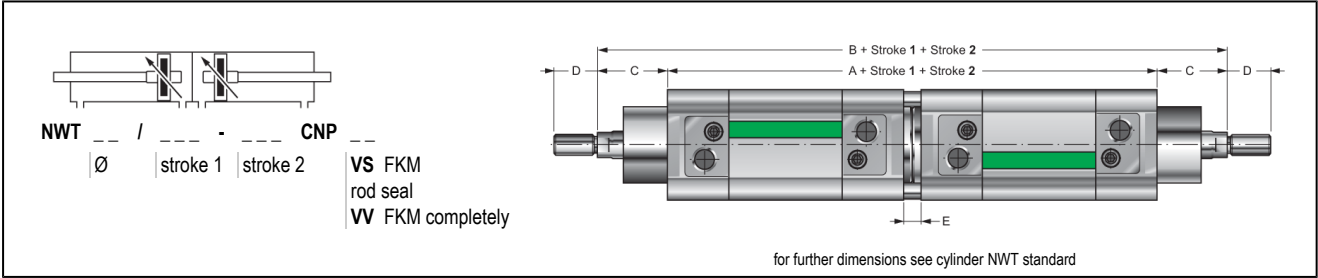
NWT ... BS ... multi-position

		for further dimensions see cylinder NWT standard	

NWT _ _ / _ _ - _ _ BS _ _
 Ø | stroke 1 | stroke 2
 VS FKM rod seal
 VV FKM completely

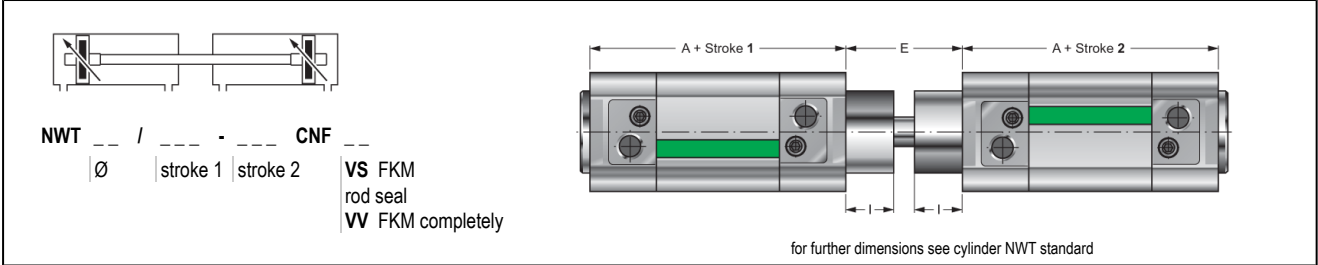
Ø	A	A1	B	C	D	E	type
32	156	68	20	26	20	182	NWT32/...BS..
40	175	73,5	28	30	24	205	NWT40/...BS..
50	171	76,5	18	37	32	208	NWT50/...BS..
63	191	85	21	37	32	228	NWT63/...BS..
80	205	91,5	22	46	40	251	NWT80/...BS..
100	224	98,5	27	51	40	275	NWT100/...BS..
125	265	115	35	65	54	330	NWT125/...BS..

NWT ... CNP ... multi-position rear



Ø	A	B	C	D	E	type
32	196	248	26	20	8	NWT32/...-...CNP..
40	218	278	30	24	8	NWT40/...-...CNP..
50	220	294	37	32	8	NWT50/...-...CNP..
63	250	324	37	32	8	NWT63/...-...CNP..
80	264	356	46	40	8	NWT80/...-...CNP..
100	284	386	51	40	8	NWT100/...-...CNP..
125	330	460	65	54	10	NWT125/...-...CNP..

NWT ... CNF ... multi-position front



Ø	A	E	I	type
32	94	48	18	NWT32/...-...CNF..
40	105	54	21,5	NWT40/...-...CNF..
50	106	69	28	NWT50/...-...CNF..
63	121	69	28,5	NWT63/...-...CNF..
80	128	86	34,5	NWT80/...-...CNF..
100	138	91	38	NWT100/...-...CNF..
125	160	100	35	NWT125/...-...CNF..

cover band for profile magnetic cylinder series NWT



illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice