

double piston cylinder series HPSK



design	double piston cylinder, optionally with a guide-bearing of brass or with a ball bushing
cushions	mechanical
stroke adjustment	0...5mm
connections	Ø 16...20: M5x0,8 Ø 25...32: G 1/8"
speed	30...300 mm/s
ambient temperature	0...+80°C
medium temperature	0...+40°C
lubrication	not necessary
medium	filtered compressed air
operating pressure	2...8bar
magnetic switch	type VNCR2, VNPR2, VNCE3, VNPE3 (details see separate datasheet)
information	CAD files are available on the STASTO Store under www.stasto.eu

type code

HPSK -	-	-	-	-
BS	with guide-bearing made of brass	16	Ø16	stroke [mm]
BB	with ball bushing	20	Ø25	
		25	Ø25	
		32	Ø32	

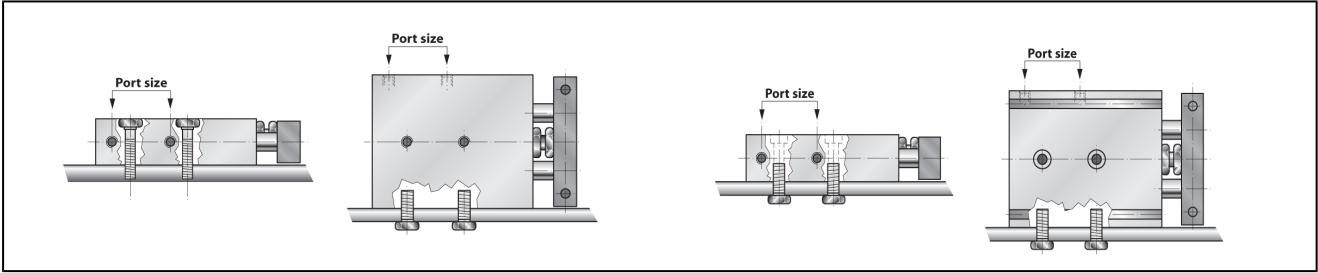
standard strokes

Ø	10	20	30	40	50	75	100
16	•	•	•	•	•	•	
20	•	•	•	•	•	•	•
25	•	•	•	•	•	•	•
32	•	•	•	•	•	•	•

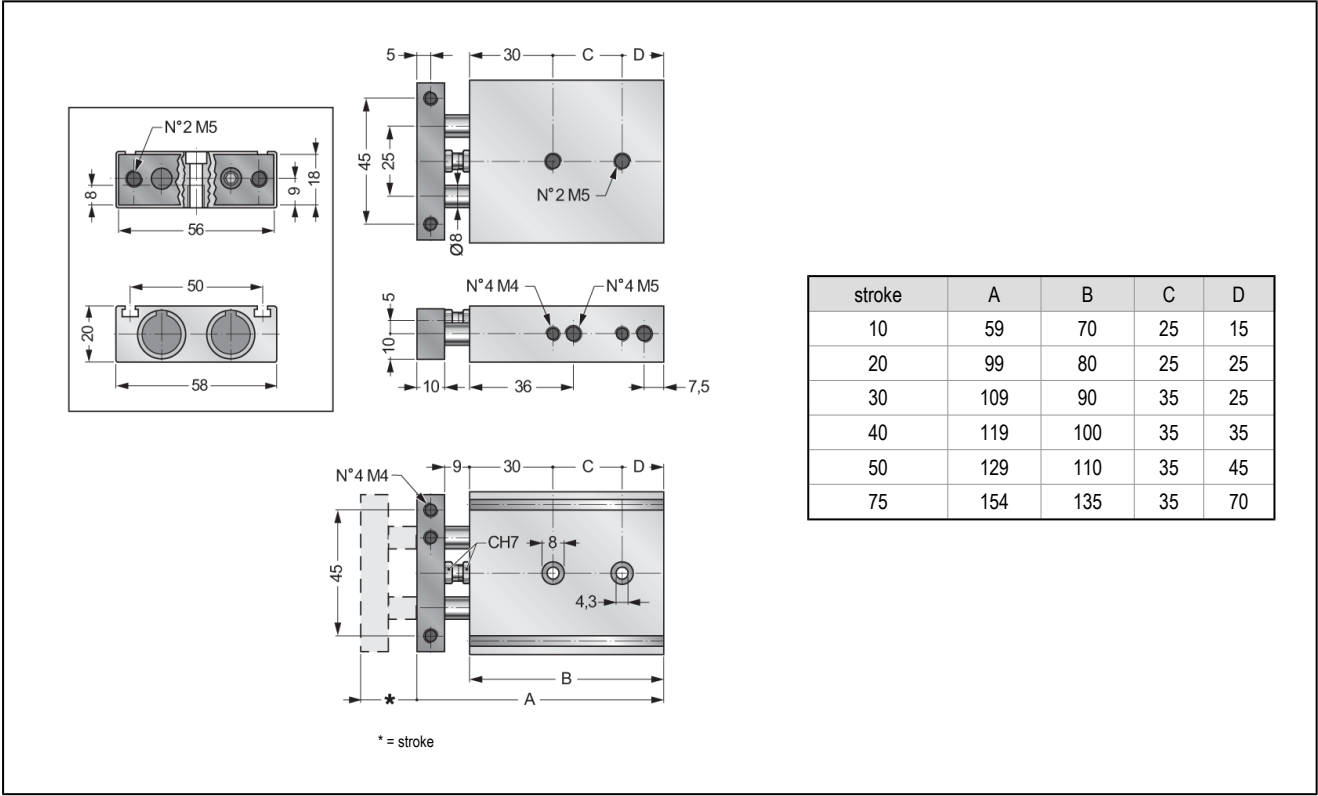
theoretical push and pull forces [N]

Ø	2 bar		3 bar		4 bar		5 bar		6 bar		7 bar		8 bar	
	pressure	tension	pressure	tension	pressure	tension	pressure	tension	pressure	tension	pressure	tension	pressure	tension
16	80	60	120	90	160	120	200	150	240	180	280	210	320	240
20	126	94	190	140	250	190	314	236	377	280	440	330	500	377
25	196	150	295	227	390	300	490	380	590	455	687	530	786	605
32	320	240	480	360	640	480	804	600	965	720	1130	844	1290	965

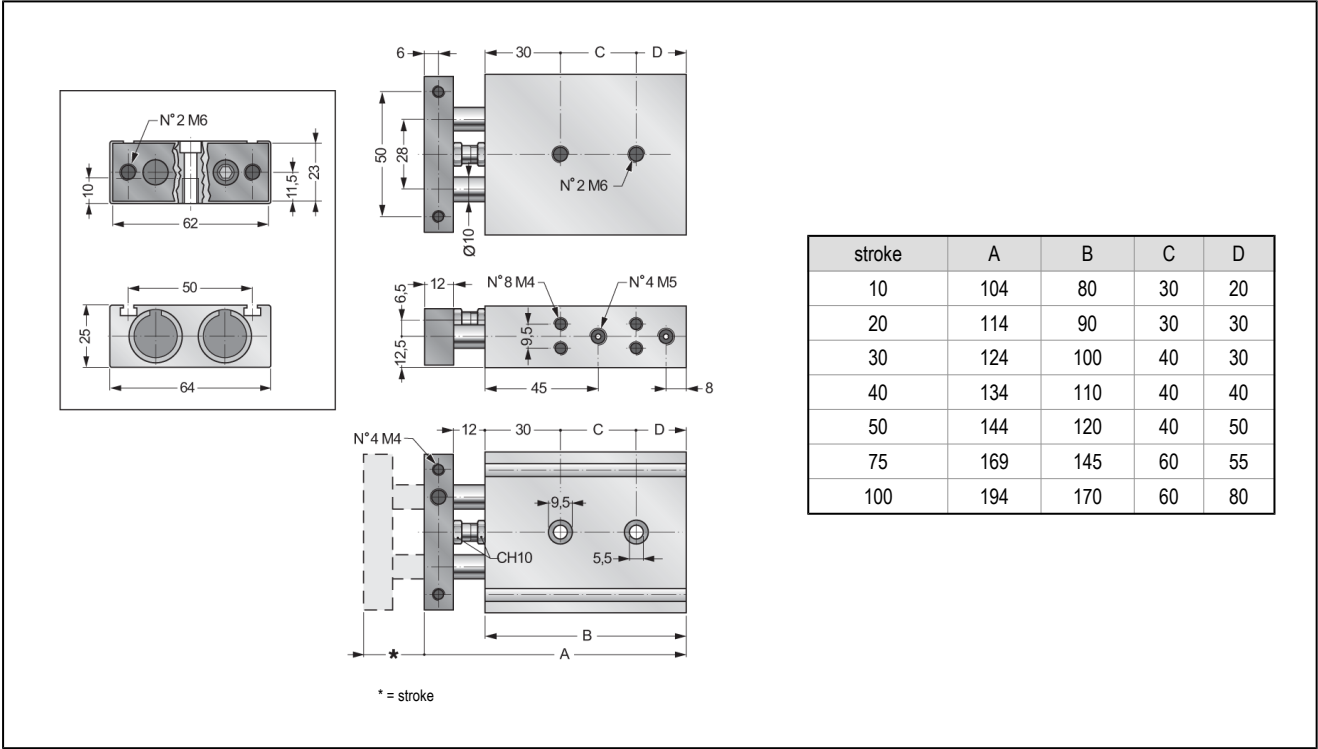
mounting examples



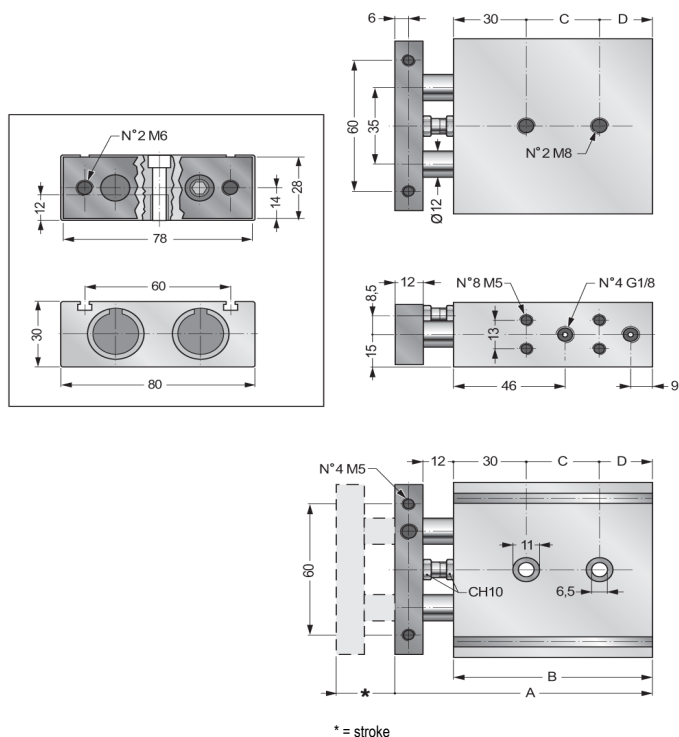
HPSK - ... - 16 - ... Ø 16



HPSK - ... - 20 - ... Ø 20

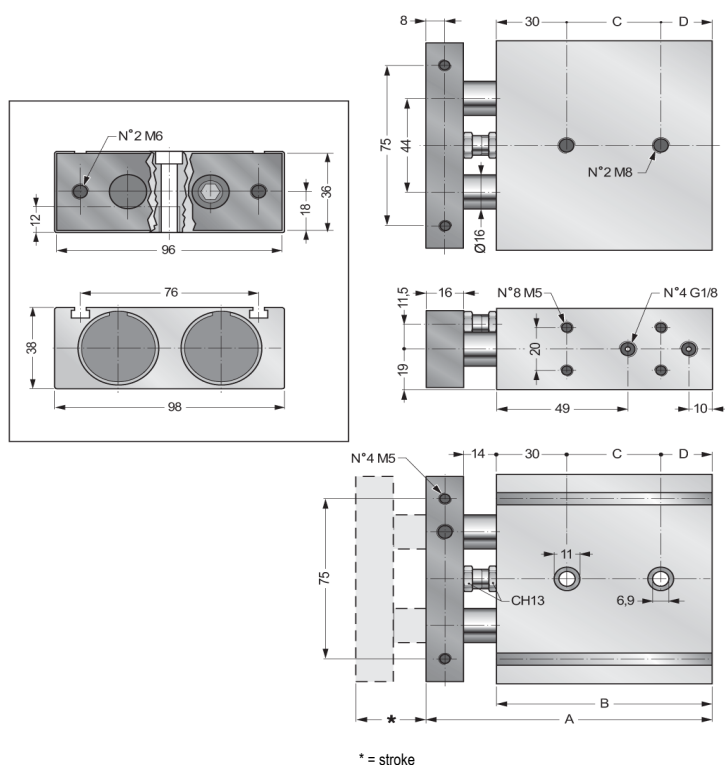


HPSK - .. - 25 - ... Ø 25



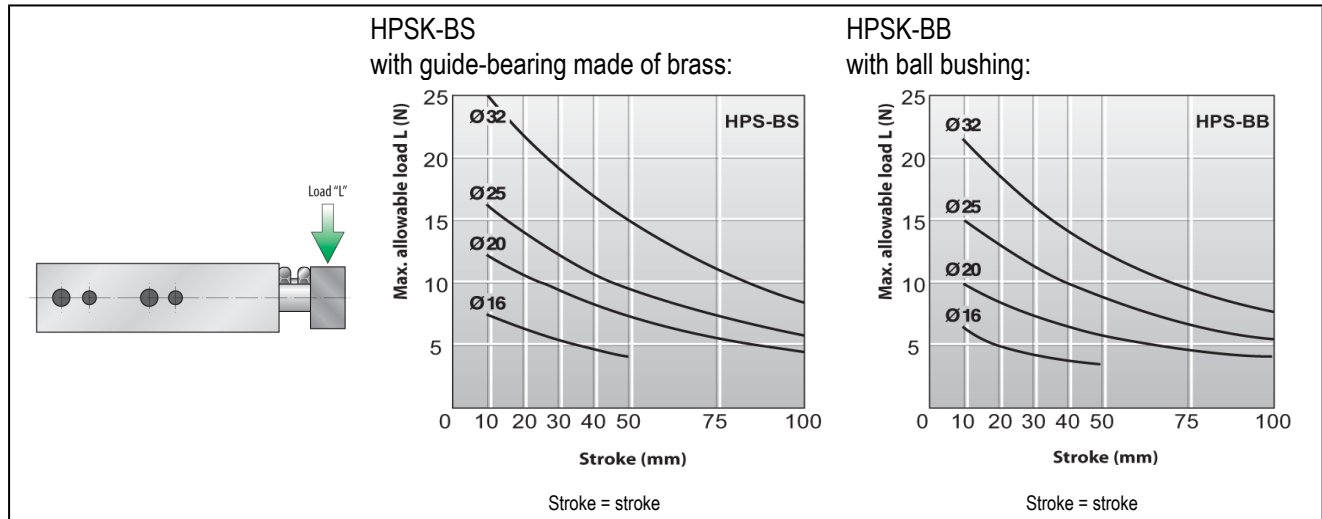
stroke	A	B	C	D
10	106	82	30	22
20	116	92	30	32
30	126	102	40	32
40	136	112	40	42
50	146	122	40	52
75	171	147	60	57
100	196	172	60	82

HPSK - .. - 32 - ... Ø 32



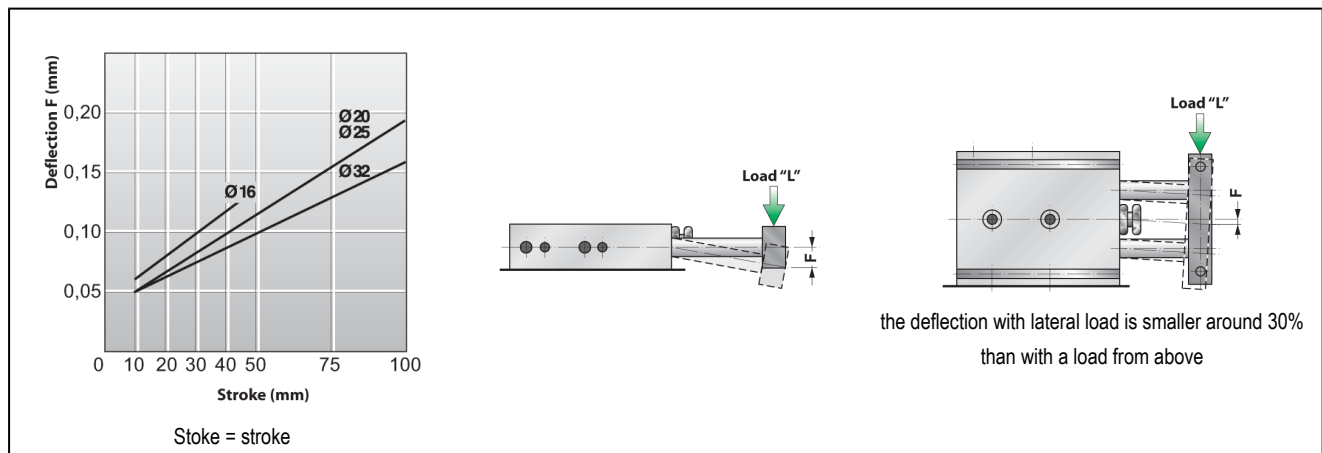
stroke	A	B	C	D
10	122	92	40	22
20	132	102	40	32
30	142	112	50	32
40	152	122	50	42
50	162	132	50	52
75	187	157	70	57
100	212	182	70	82

max. allowed load

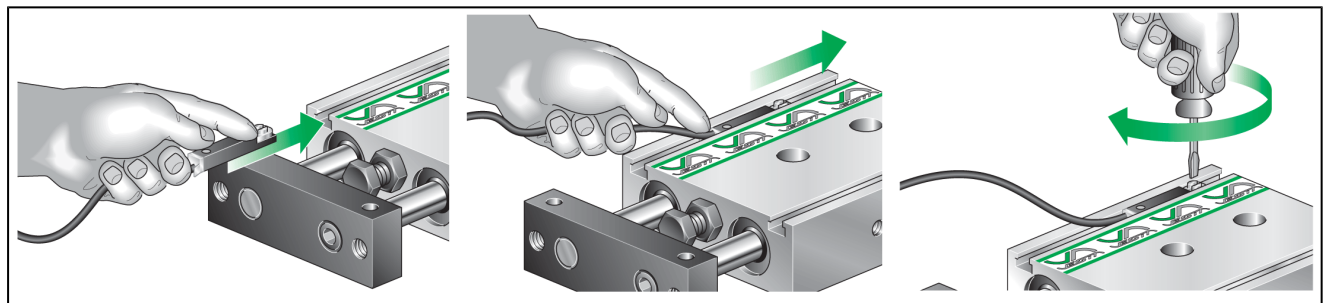


deflection of the piston rod

the diagram shows the default values of the piston rod deflection F with a load of 10 N.



assembly instruction for magnetic switches



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