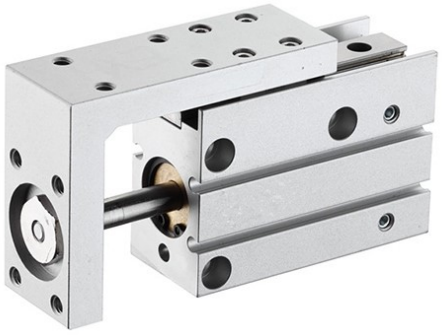
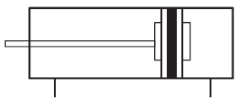
PVEXH Series Compact Slide Cylinder



PVEXH-S



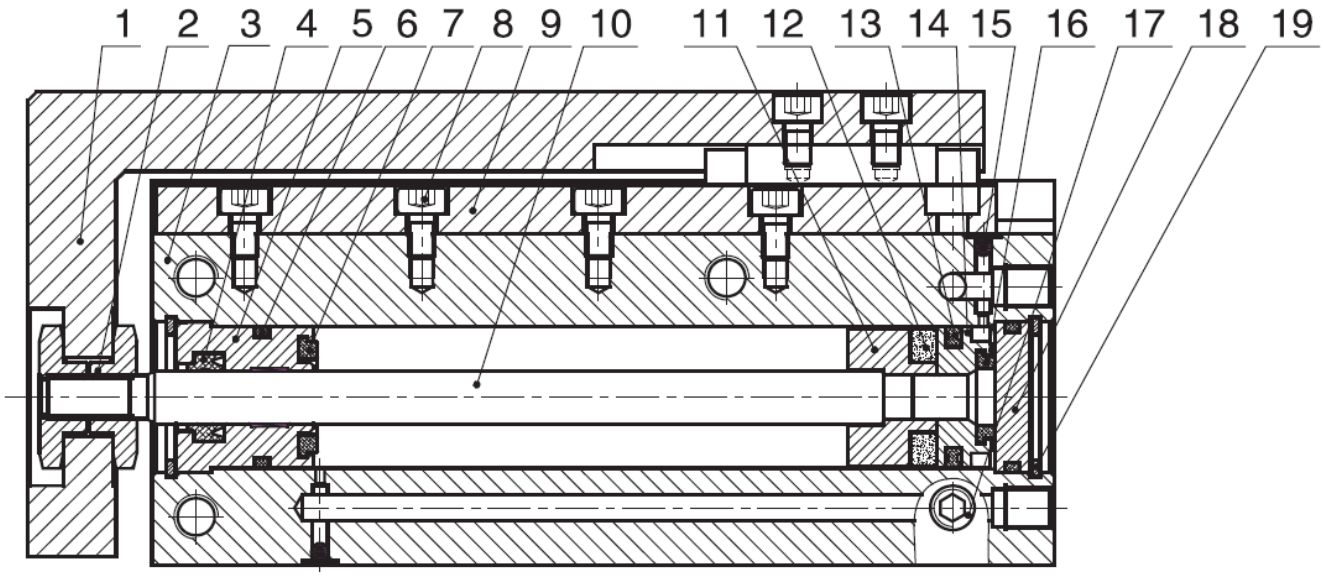
P	V	E	X	H	6	x	5	-	S
		Series no.			**Bore**		**Stroke**		**Magnet**
		PVEXH			6		5		S: With magnet
					10		10		
					16		15		
					20		...		
					...				

Specifications

Bore (mm)	6	10	16	20
Acting type	Double acting			
Working medium	Clean air (After 40 μm filteration)			
Working pressure (bar)	1.5 ~ 7			
Guaranteed pressure (bar)	10.5			
Working temperature (°C)	-20 ~ 80 (No freezing)			
Speed range (mm/s)	50 ~ 500			
Cushion type	Rubber cushion			
Stroke tolerance (mm)	$^{+1}_{0}$			
Allowable kinetic energy (J)	0.008	0.025	0.05	0.1
Port size	M5x0.8			

Bore (mm)	Standard Stroke (mm)	Max. Stroke (mm)
6	5 10 15 20 25 30 40	40
10	5 10 15 20 25 30 40 50	50
16	5 10 15 20 25 30 40 50 60	60
20	5 10 15 20 25 30 40 50 60	60

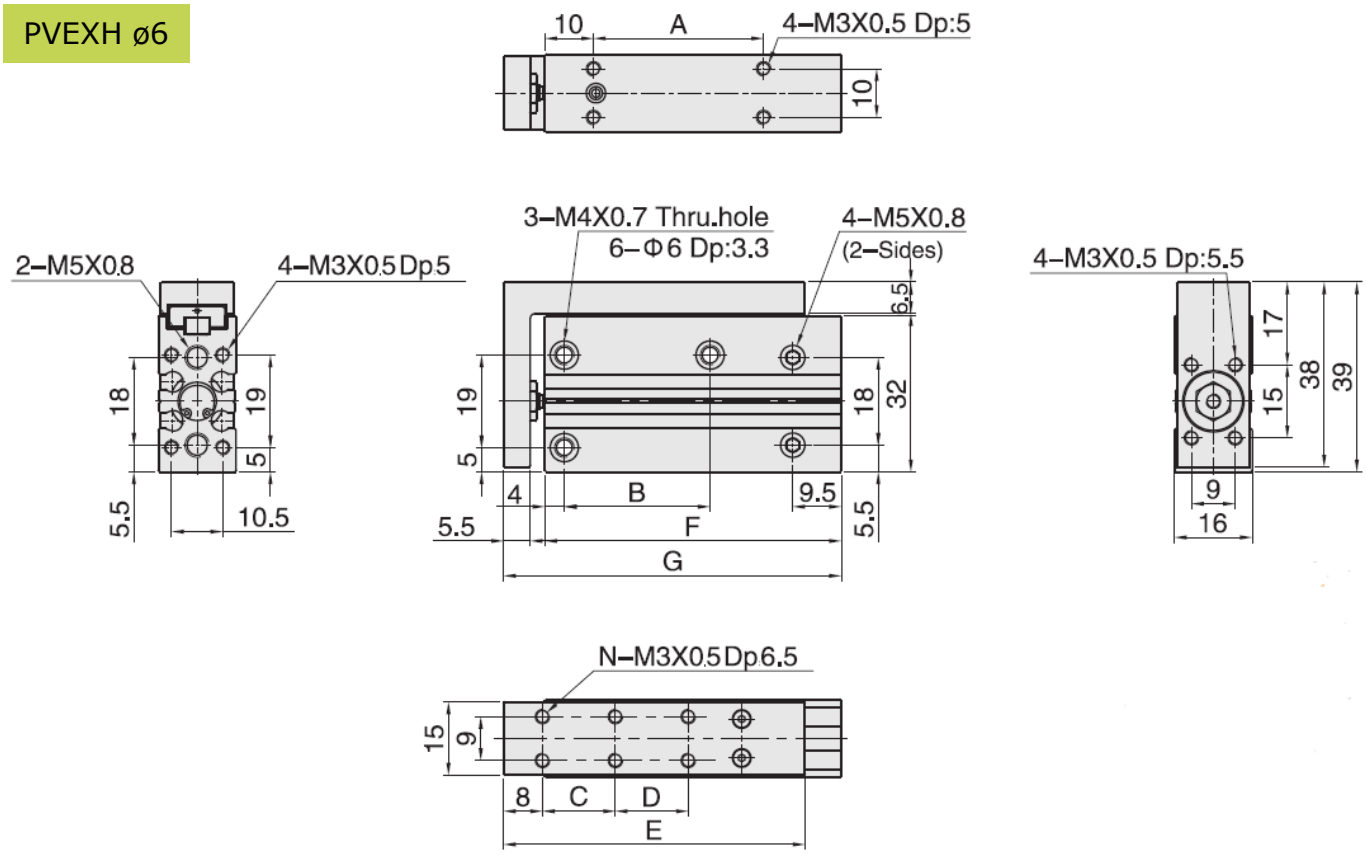
Internal Structure



No.	Part name	Material
1	Stages	Aluminum alloy
2	Locknut	Carbon steel
3	Body	Aluminum alloy
4	Wiper seal	NBR
5	Head cover	Aluminum alloy
6	O-ring	NBR
7	Bumper	TPU
8	Screws	Carbon steel
9	Linear ball slide rail	Stainless steel
10	Piston rod	Stainless steel
11	Magnet seat	Aluminum alloy
12	Magnet	Neodymium iron boron
13	Piston seal	NBR
14	Piston	Aluminum alloy
15	Steel ball	Stainless steel
16	Bumper	TPU
17	Plug	Cu
18	Rear cover	Aluminum alloy
19	C clip	Spring steel

Main Dimension

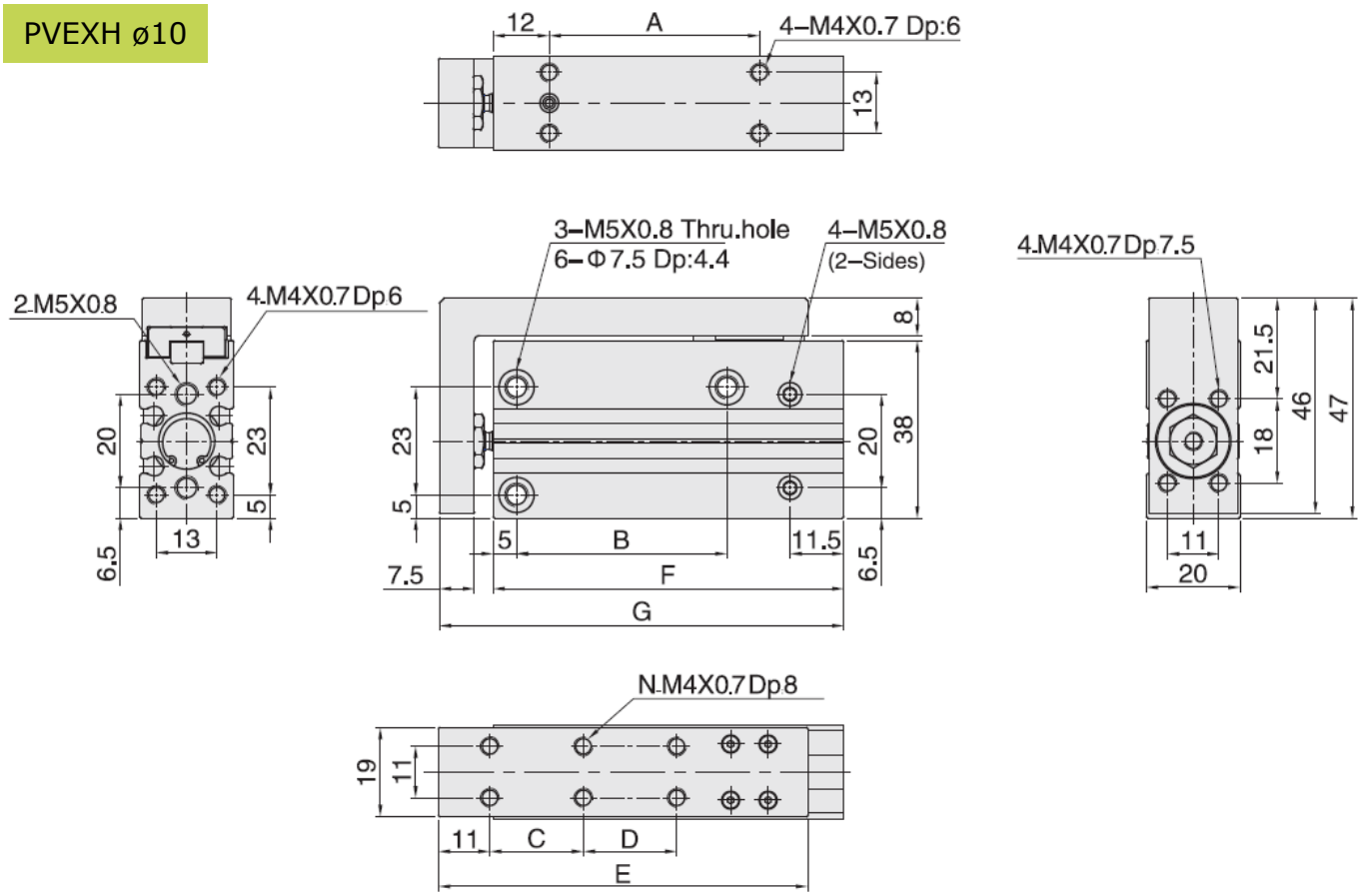
PVEXH ø6



(mm)

Bore	N	A	B	C	D	E	F	G
5	4	10	14	10	-	42	36	44.5
10	4	15	14	10	-	42	41	49.5
15	4	20	24	20	-	52	46	54.5
20	4	25	24	20	-	52	51	59.5
25	4	30	30	30	-	62	56	64.5
30	4	35	30	30	-	62	61	69.5
40	6	45	45	20	20	72	71	79.5

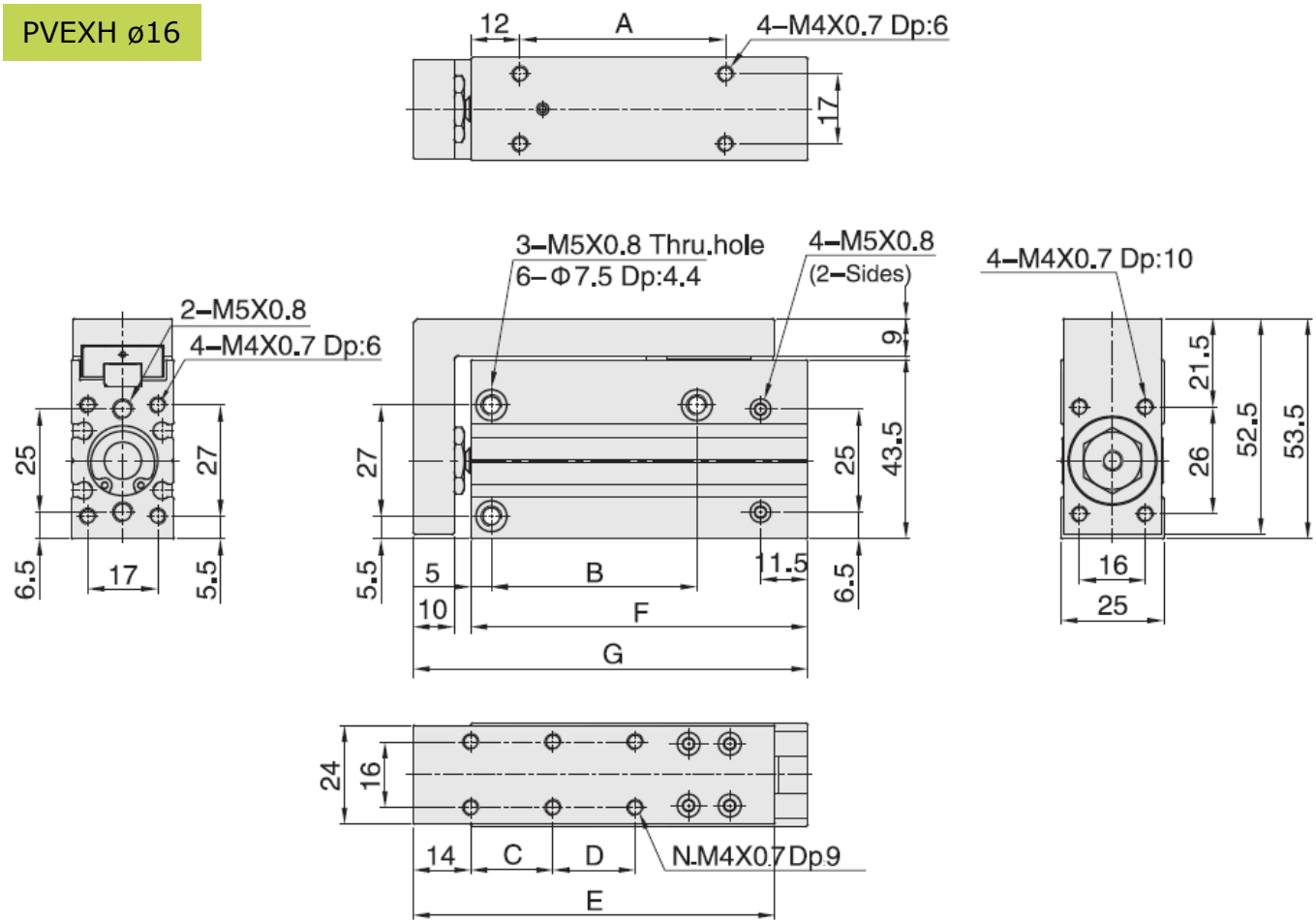
PVEXH ø10



(mm)

Bore	N	A	B	C	D	E	F	G
5	4	10	14	10	-	49	40	51.5
10	4	15	14	10	-	49	45	56.5
15	4	20	24	20	-	59	50	61.5
20	4	25	24	20	-	59	55	66.5
25	4	30	30	30	-	69	60	71.5
30	4	35	30	30	-	69	65	76.5
40	6	45	45	20	20	79	75	86.5
50	6	55	55	25	25	89	85	96.5

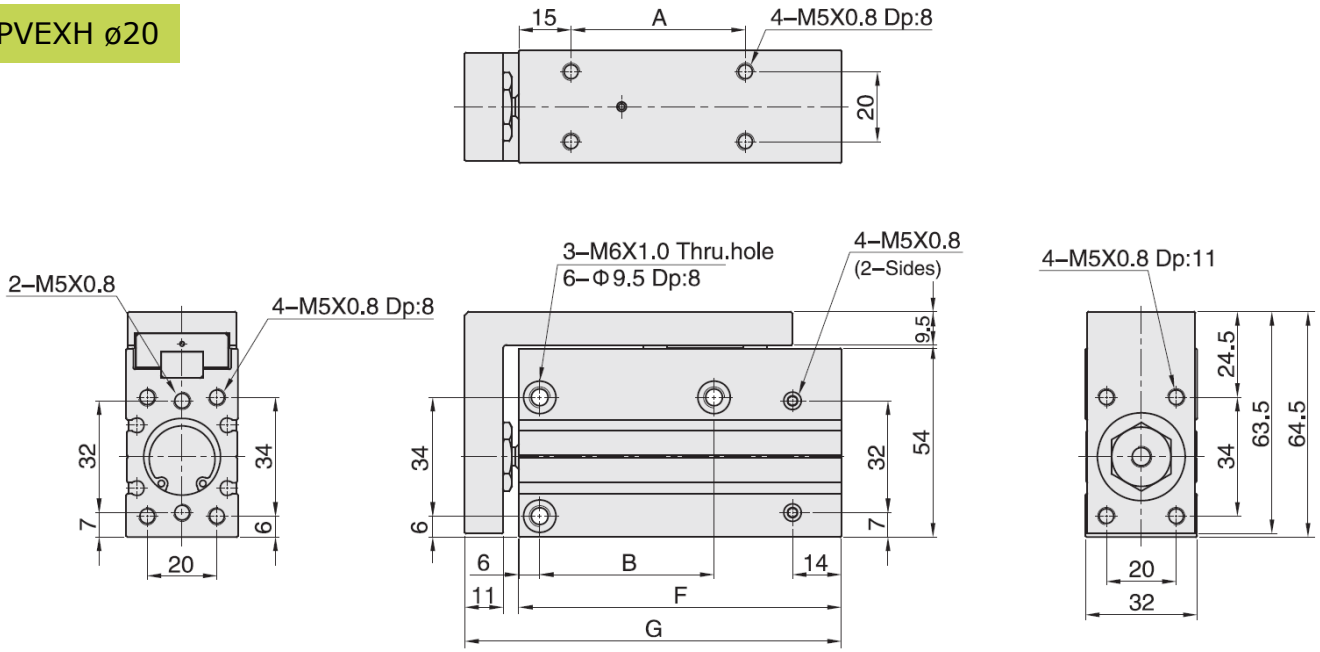
PVEXH ø16



(mm)

Bore	N	A	B	C	D	E	F	G
5	4	15	20	10	-	58	47	61
10	4	20	20	10	-	58	52	66
15	4	25	30	20	-	68	57	71
20	4	30	30	20	-	68	62	76
25	4	35	40	30	-	78	67	81
30	4	40	40	30	-	78	72	86
40	6	50	50	20	20	88	82	96
50	6	60	60	25	25	98	92	106
60	6	70	60	30	30	108	102	116

PVEXH ø20

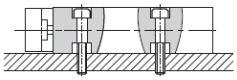


(mm)

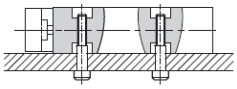
Bore	N	A	B	C	D	E	F	G
5	4	15	20	10	-	64	57.5	73
10	4	20	20	10	-	64	62.5	78
15	4	25	30	20	-	74	67.5	83
20	4	30	30	20	-	74	72.5	88
25	4	35	40	30	-	84	77.5	93
30	4	40	40	30	-	84	82.5	98
40	6	50	50	20	20	94	92.5	108
50	6	60	60	25	25	104	102.5	118
60	6	70	60	30	30	114	112.5	128

Mounting

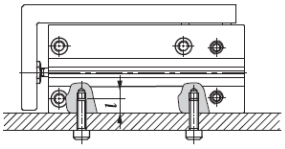
Lateral Mounting
(Through Holes)



Lateral Mounting
(Tapped Holes)



Vertical Mounting
(Tapped Holes)



Axial Mounting
(Tapped Holes)