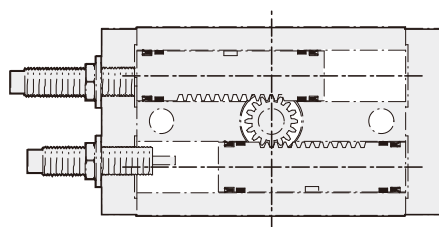




ATB Rotary Table



Internal structure



Specification

Item \ Model	Model	ATB 3	ATB 7	ATB10	ATB20	ATB30	ATB50	ATB70	ATB100	ATB200	ATB300	ATB500
Action		Double acting										
Fluid		Air										
Torque	N · m	0.3	0.6	1.5	2.2	3.2	5.5	7.5	9.8	19	31	45
Bore size	mm	Ø10	Ø12	Ø15	Ø18	Ø20	Ø25	Ø28	Ø32	Ø40	Ø50	Ø63
Rotation angle	°	180										
Adjustable angle	°	0 ~ 190										
Port size		M3x0.5P	M5x0.8P			PT 1/8						
Pressure range	Kgf/cm² (kPa)	1.5~7 (150~700)										
Ambient and fluid temperature		0~50										
Allowable kinetic energy	Adjustment bolt	0.002	0.006	0.007	0.025	0.048	0.081	0.24	0.32	0.56	1	1.5
	Shock absorber	—	—	0.039	0.116	0.116	0.294	1.1	1.6	2.9	3.5	5.2

Weight

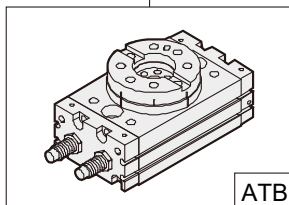
Model	ATB 3	ATB 7	ATB 10	ATB 20	ATB 30	ATB 50	ATB 70	ATB 100	ATB 200	ATB 300	ATB 500
Weight	150g	250g	530g	990g	1290g	2100g	2890g	4100g	7650g	8960g	11170g



Code of order

ATB

Model



ATB

ATB series
Rotary cylinder

10

Torque force

3	: 0.3 N·m
7	: 0.6 N·m
10	: 1.5 N·m
20	: 2.2 N·m
30	: 3.2 N·m
50	: 5.5 N·m
70	: 7.5 N·m
100	: 9.8 N·m
200	: 19 N·m
300	: 31 N·m
500	: 49 N·m

AMS

L

2

Sensor switch



AMS-L 2

A M S- L

M : 2 wire Without contact
N : 3 wire Without contact(NPN)
P : 3 wire Without contact(PNP)
wire length-L : 2000mm

L : straight cable
V : angle cable(90°)

2 : Number of sensor switch

1 = 1 PCS (option)
2 = 2 PCS

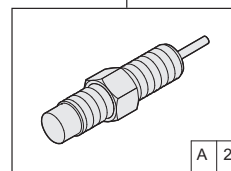
● How to select shock absorbers

Model	Shock absorbers	Max. absorb ability
ATB-10	SA-0806N	3 N m.
ATB-20	SA-1007N	6 N m.
ATB-30	SA-1007N	6 N m.
ATB-50	SA-1412N	20 N m.
ATB-70	SA-2015N	59 N m.
ATB-100	SA-2015N	59 N m.
ATB-200	SA-2725N	147 N m.
ATB-300	SA-2725N	147 N m.
ATB-500	SA-2725N	147 N m.

A

2

Shock absorber



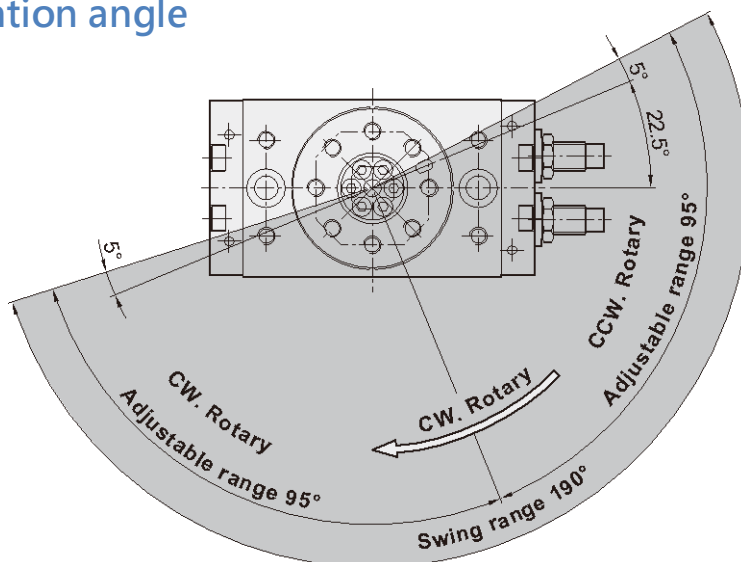
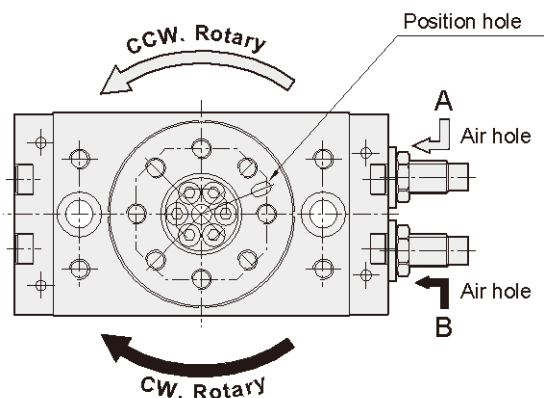
A 2

A: Shock absorber

1 = 1 pcs
2 = 2 pcs
(option)

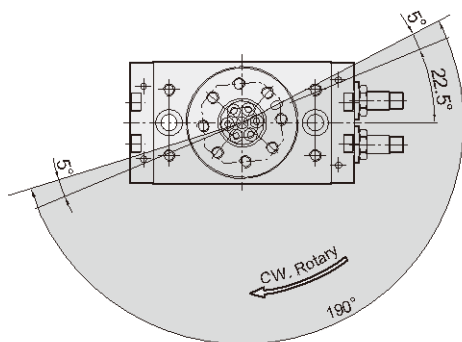
Instructions

■ Rotary direction and rotation angle

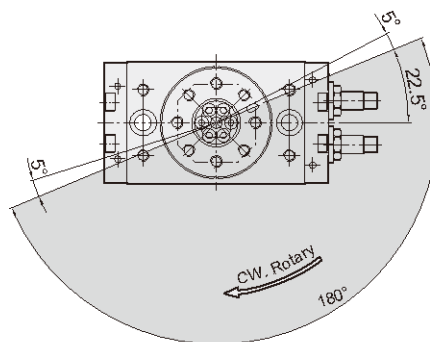




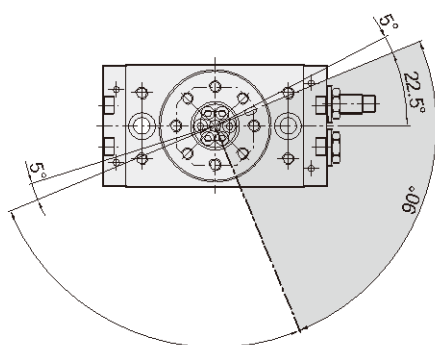
■ Set of Rotation range



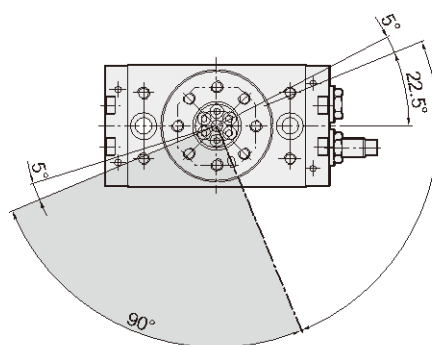
● 190° Swing rotation



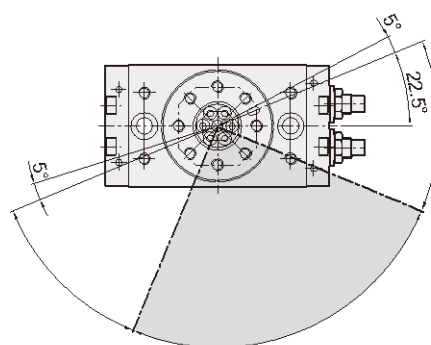
● 180° Swing rotation



● 90° Swing rotation

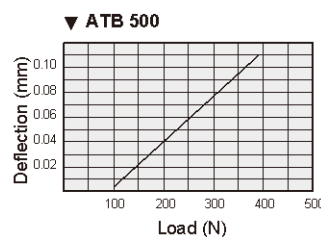
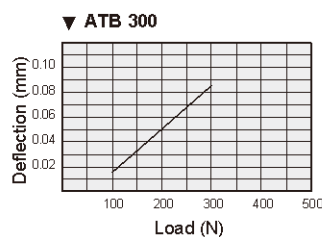
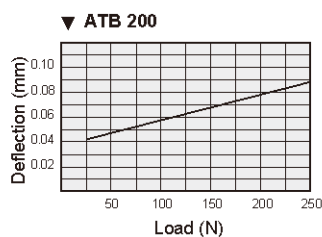
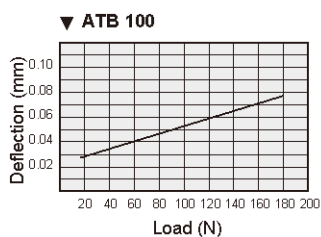
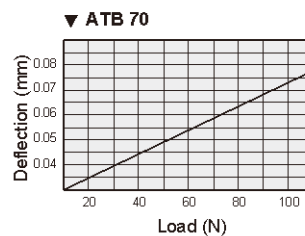
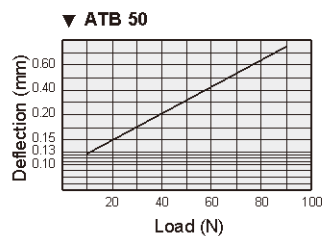
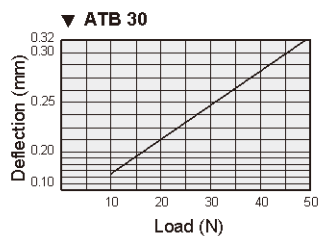
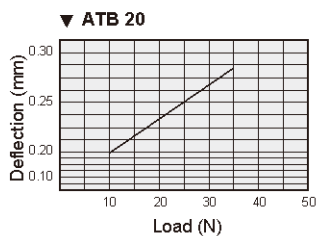
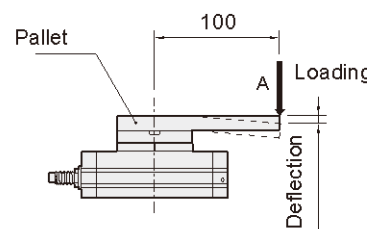
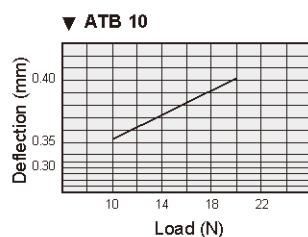
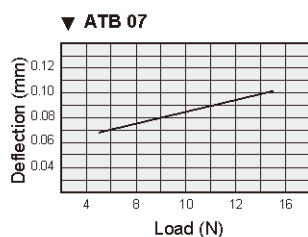
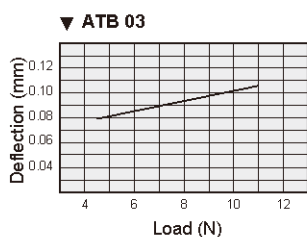


● 90° Swing rotation



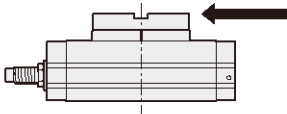
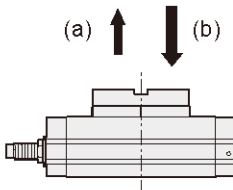
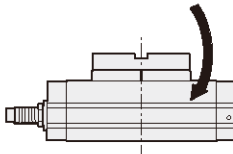
● 90° Swing rotation

Transverse load and Deflection





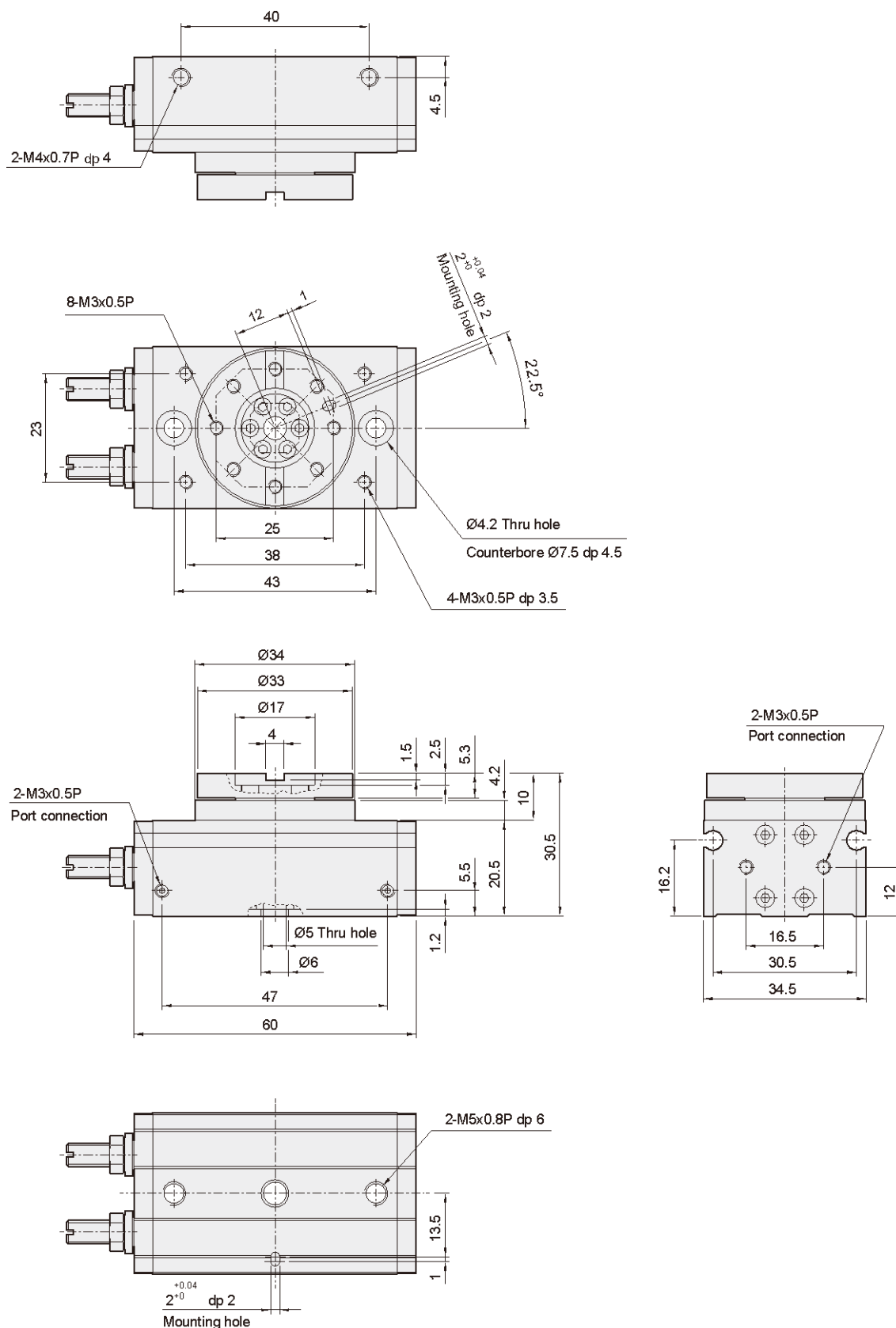
Allowable load

Model	Loding way					
	Side load (N)	Table load(N)		Allowable torque (N.m)		
		(a)	(b)			
ATB 3	33	48	48	1.1		
ATB 7	54	71	71	1.5		
ATB 10	70	78	74	2		
ATB 20	140	130	130	3.5		
ATB 30	185	188	358	4.8		
ATB 50	300	285	442	9		
ATB 70	333	296	476	12		
ATB 100	390	493	706	18		
ATB 200	543	740	1009	25		
ATB 300	850	950	1500	30		
ATB 500	1200	1400	2100	38		



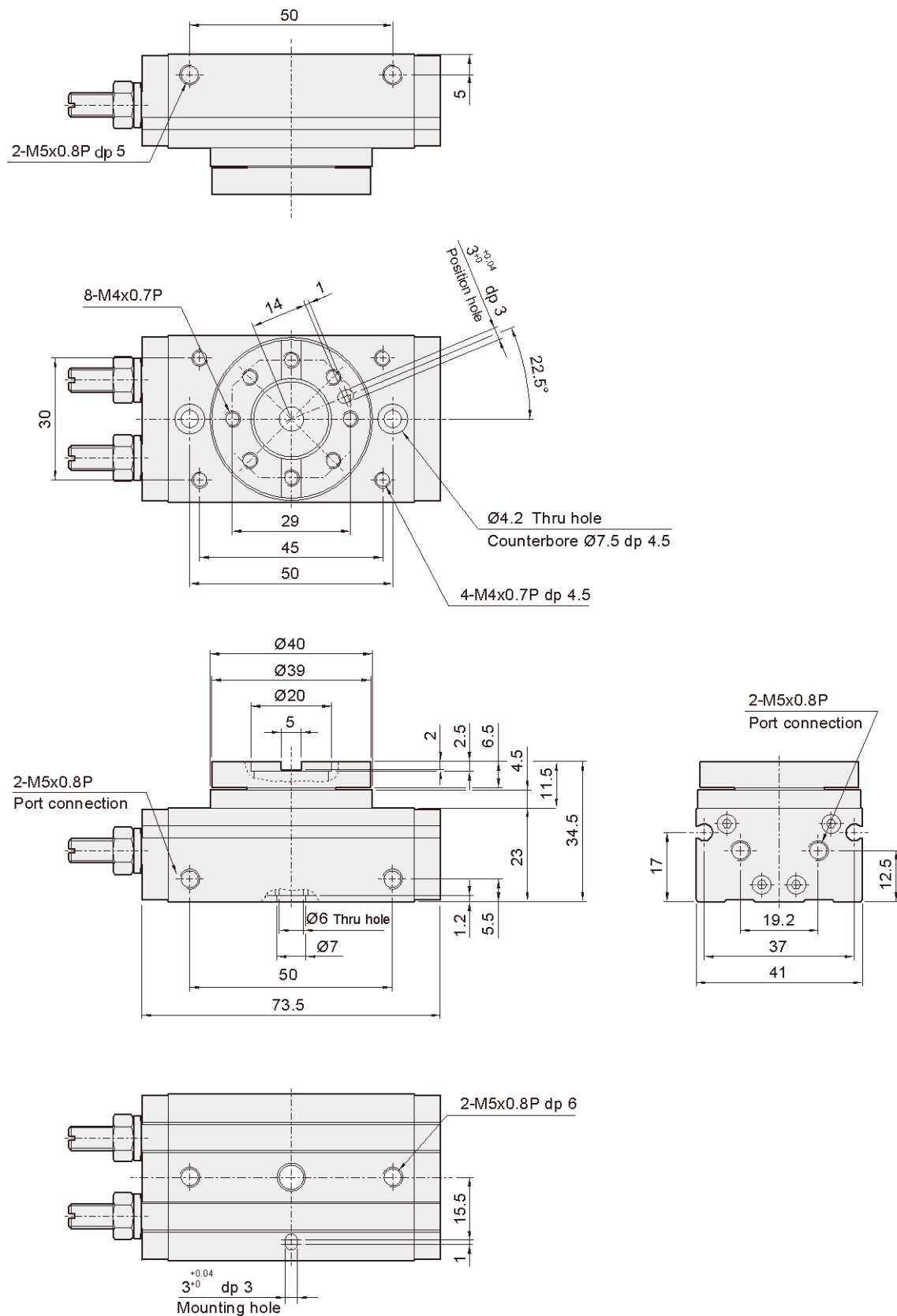
Dimensions

■ ATB 3



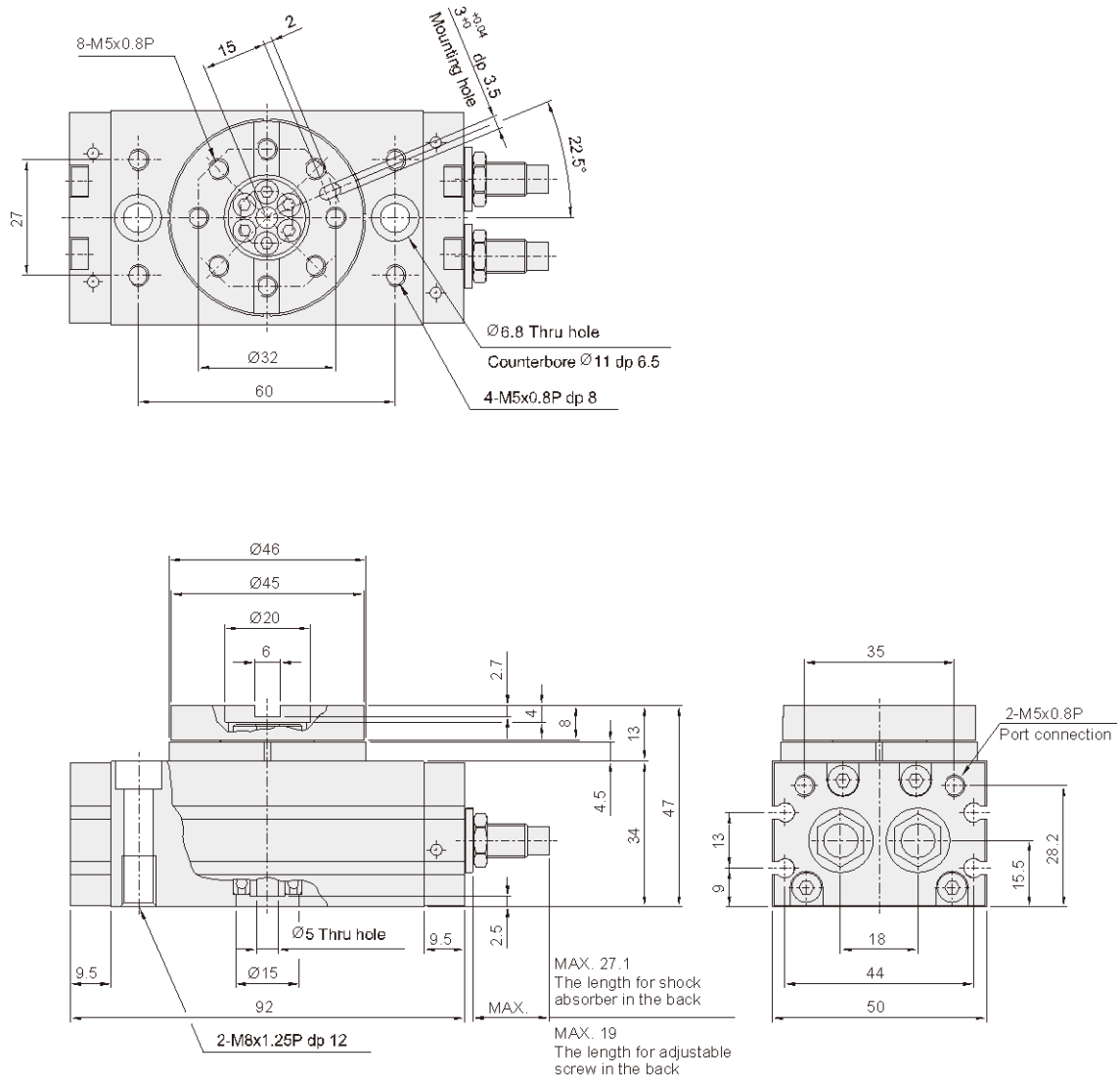


■ ATB 7

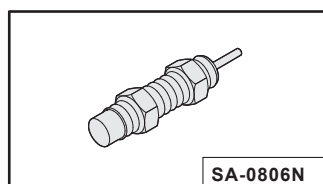




■ ATB 10

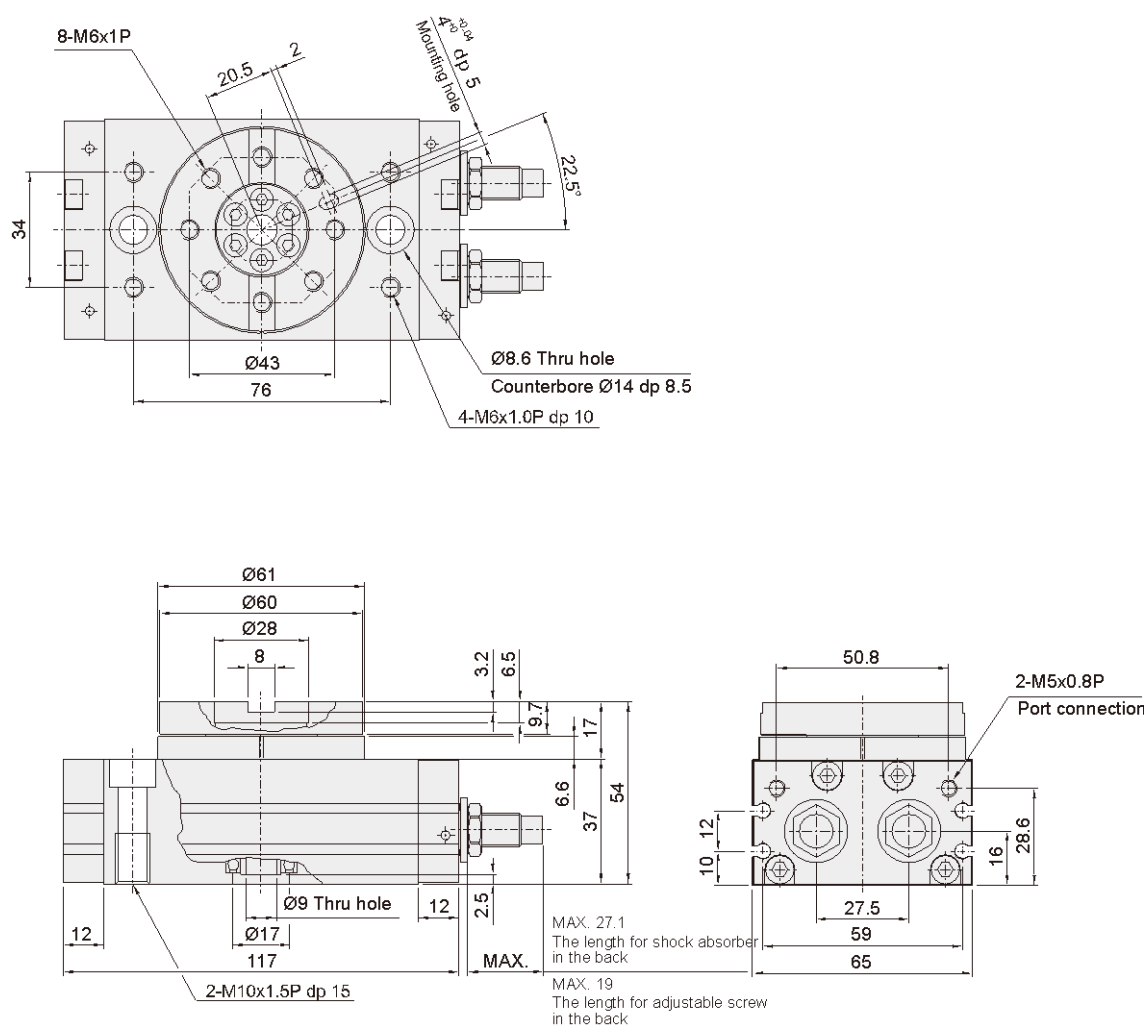


▼ Option/ Shock absorber

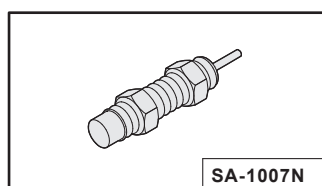




■ ATB 20

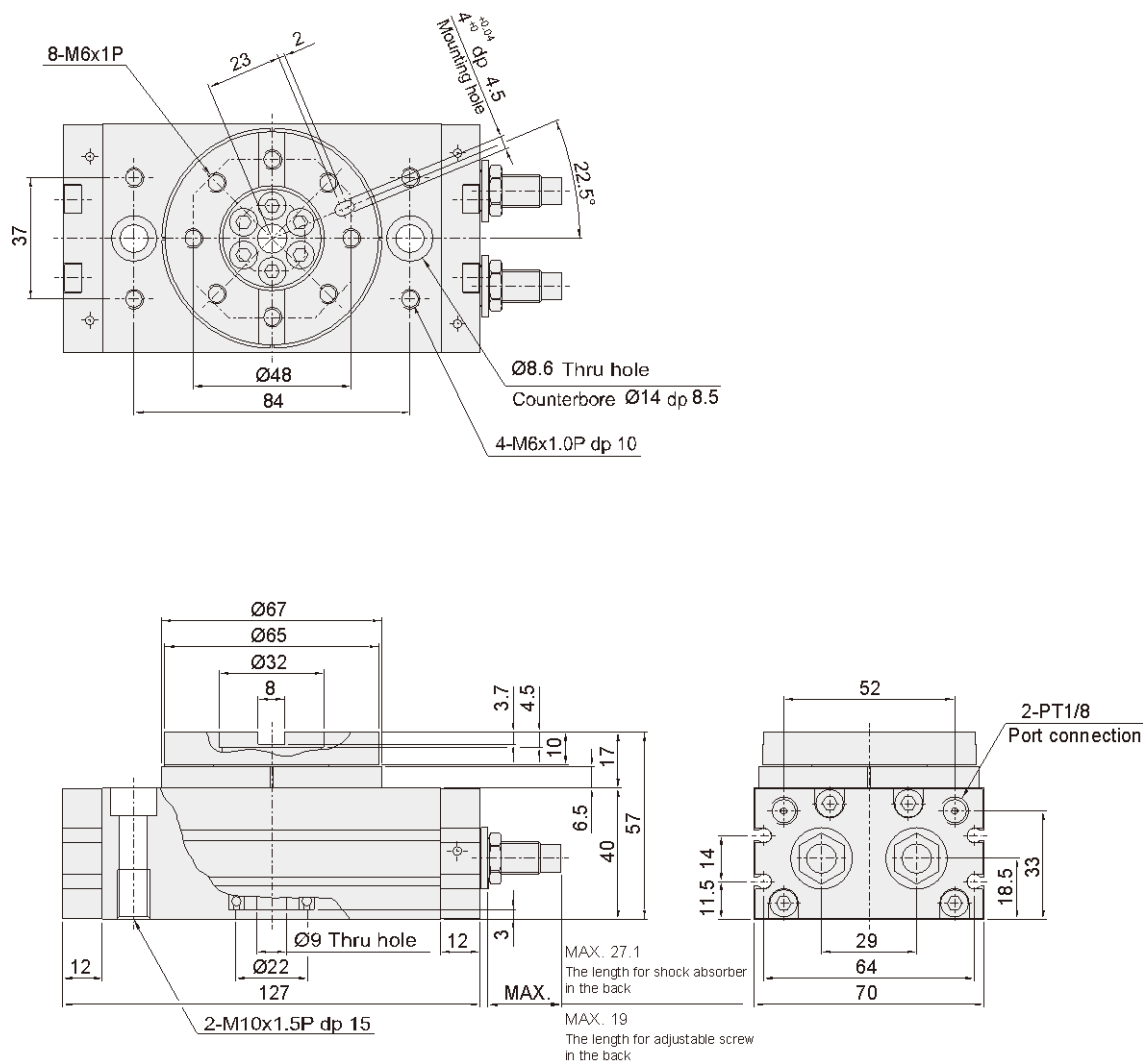


▼ Option/ Shock absorber

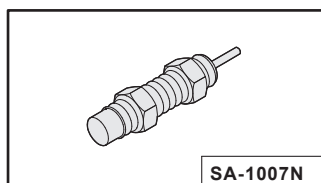




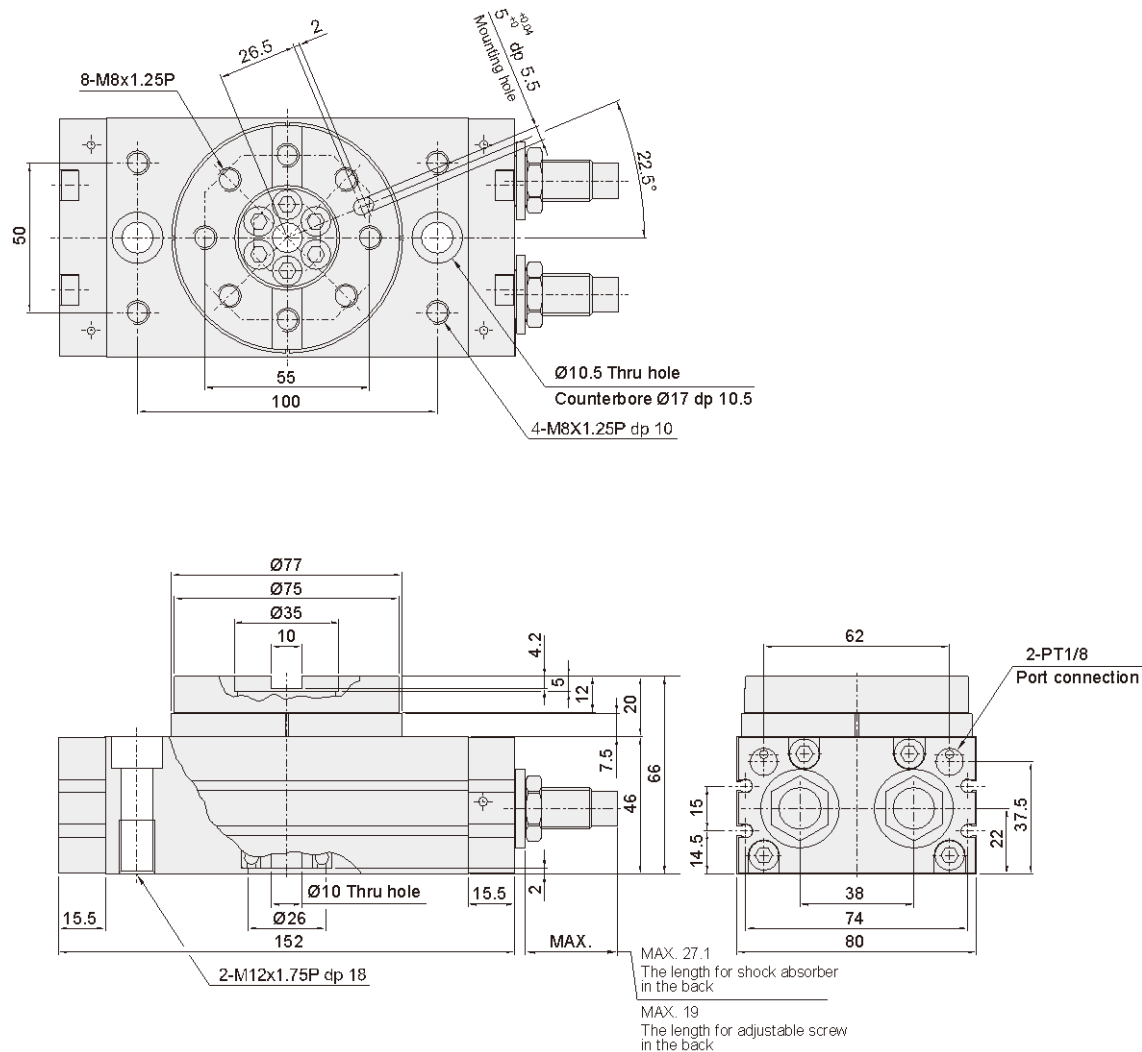
■ ATB 30



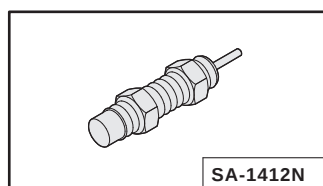
▼ Option/ Shock absorber

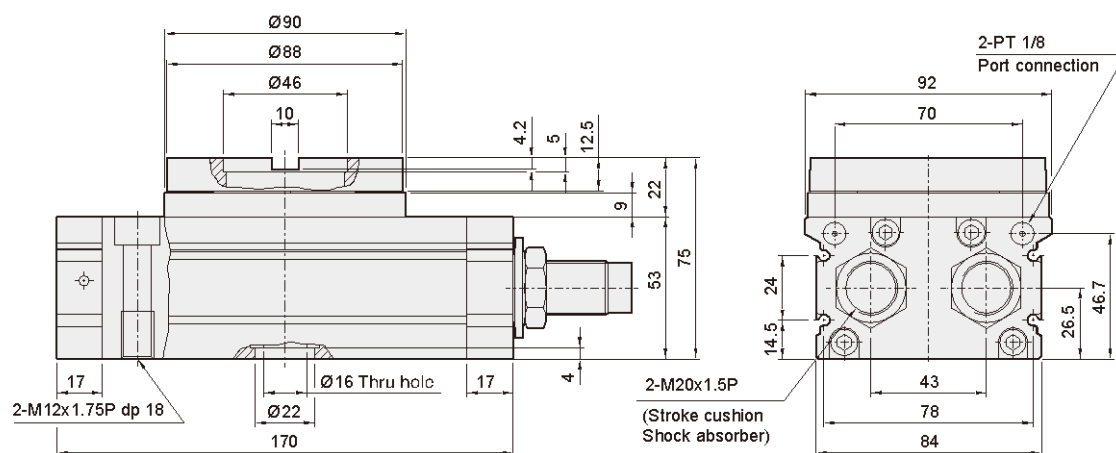


■ ATB 50

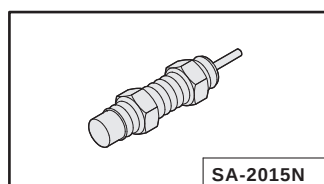


▼ Option/ Shock absorber

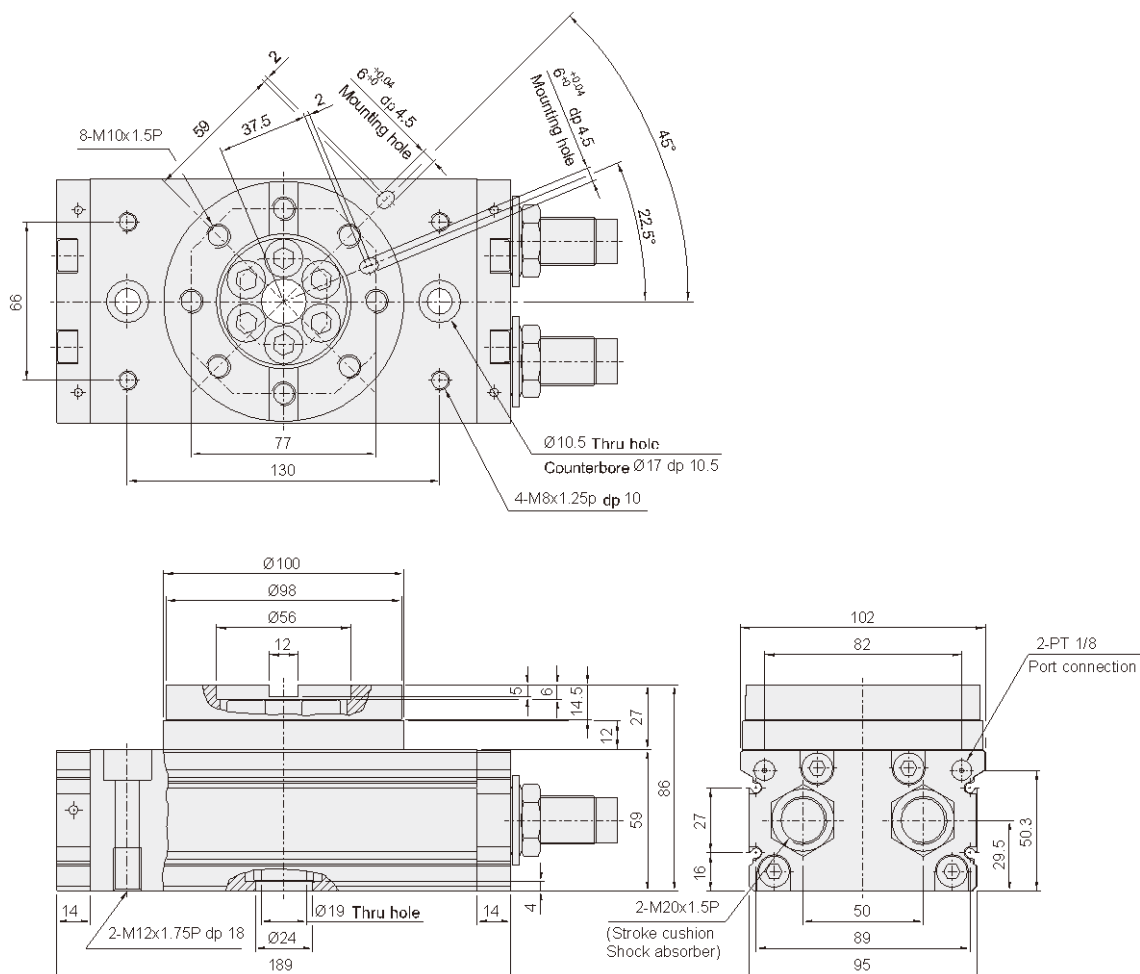




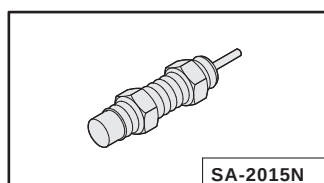
▼ Option/ Shock absorber



■ ATB 100

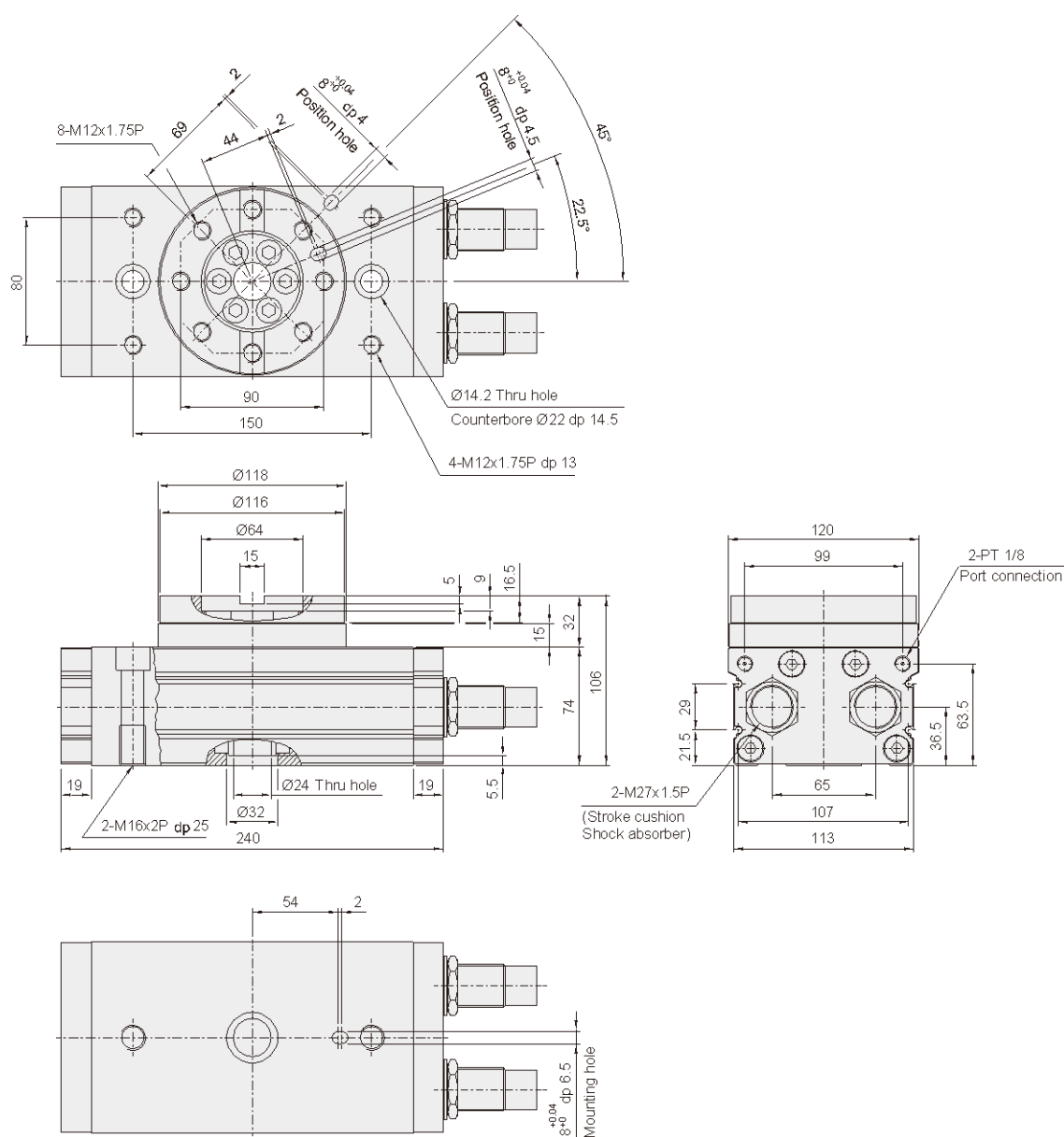


▼ Option/ Shock absorber

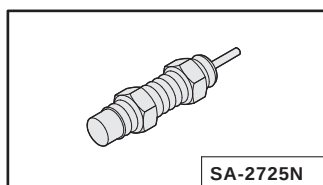




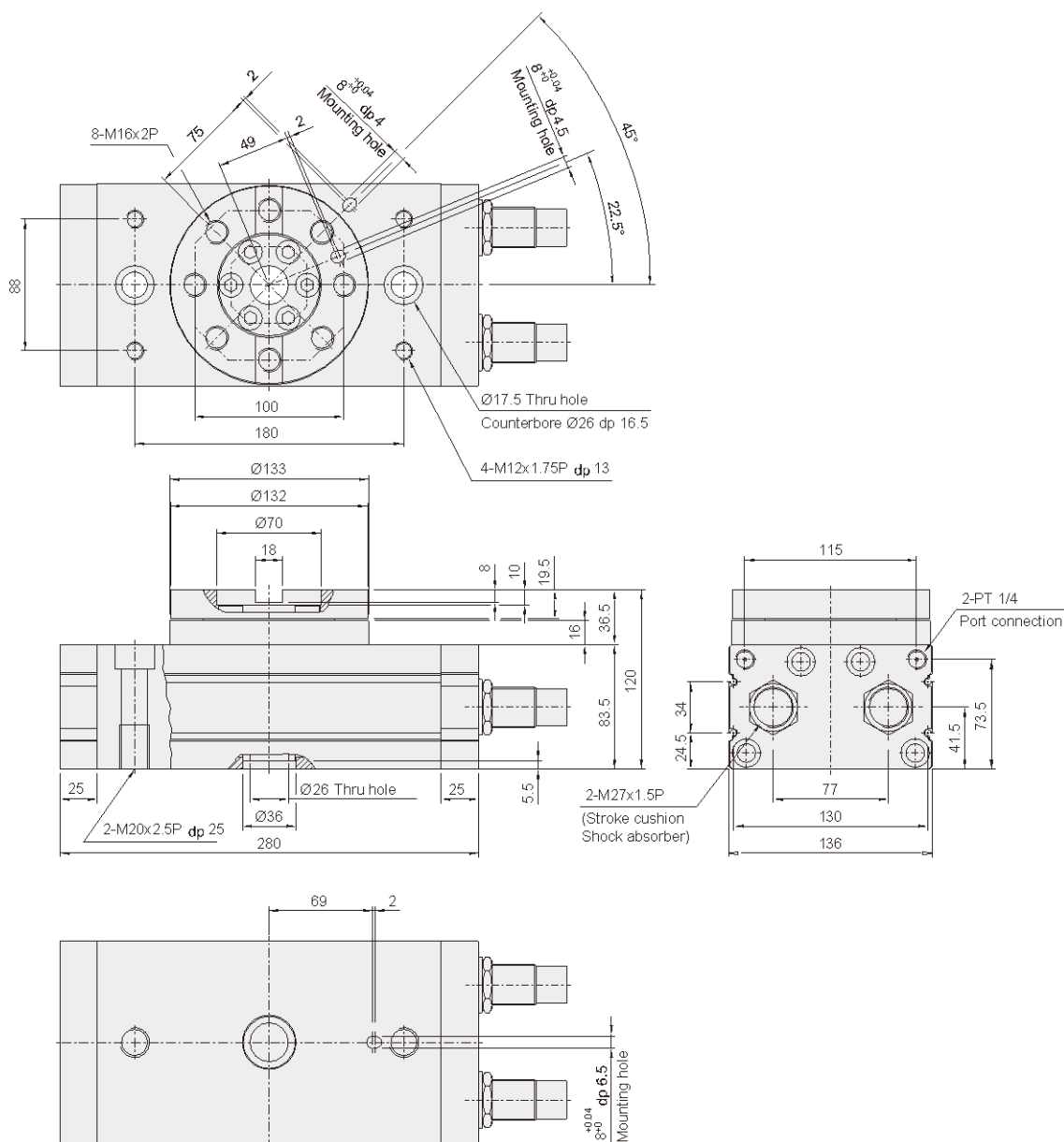
■ ATB 200



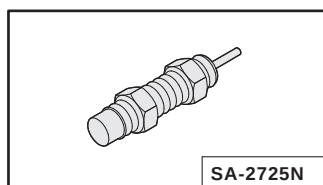
▼ Option/ Shock absorber



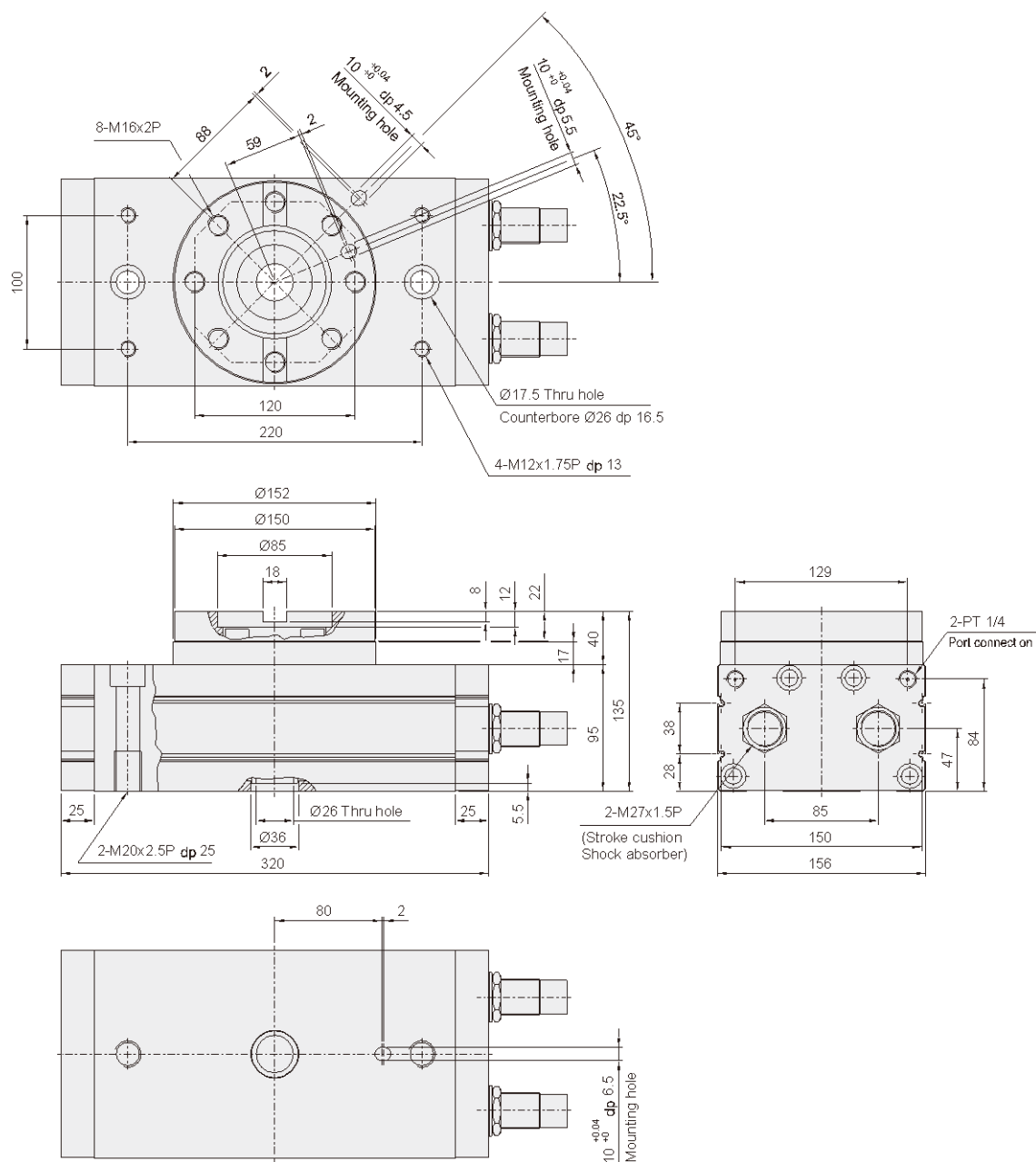
■ ATB 300



▼ Option/ Shock absorber



■ ATB 500



▼ Option/ Shock absorber

