

SMPTC Series

Boosting Cylinder

All Stage / Direct Compressive Type

Features

1. Utilize pneumatic system to generate big force for total strokes, there is no need for hydraulic system.
2. Easy to set up, adjust and maintain.
3. Can achieve the same high pressure.
4. Power source is easy to obtain and more economic.
5. Operation with little noise.
6. Without high-temp, problem caused by hydraulic cylinder.



How to order

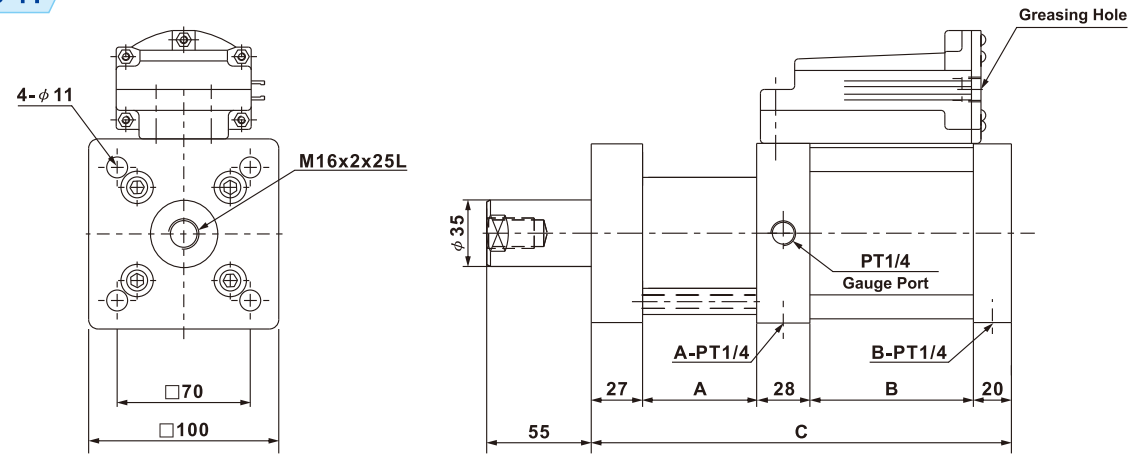
SMPTC	1T	5
Boosting cylinder (all stage/direct compressive type)	Total output (T)/Bore size	Total stroke
	1T: Ø50	5 :5mm
	3T: Ø63	10 :10mm
	5T: Ø63	15 :15mm
	8T: Ø80	20 :20mm
	13T: Ø100	

Specifications

Moder	SMPTC
Working motion	Double motion
Working pressure	2 ~ 7 kgf/cm ² Dry compress air after filtering
Cycle oil	ISO VG 32
Working Temperature	-5°C ~ +60°C (Other working temperatures shall be on requested)
Operation speed	50-700mm/s
Oil cylinder assure pressure	300 kgf/cm ²
Air cylinder assure pressure	15 kgf/cm ²
Stroke difference	+1.0mm 0
Working frequency	10 times/min

Dimensions

SMPTC-1T

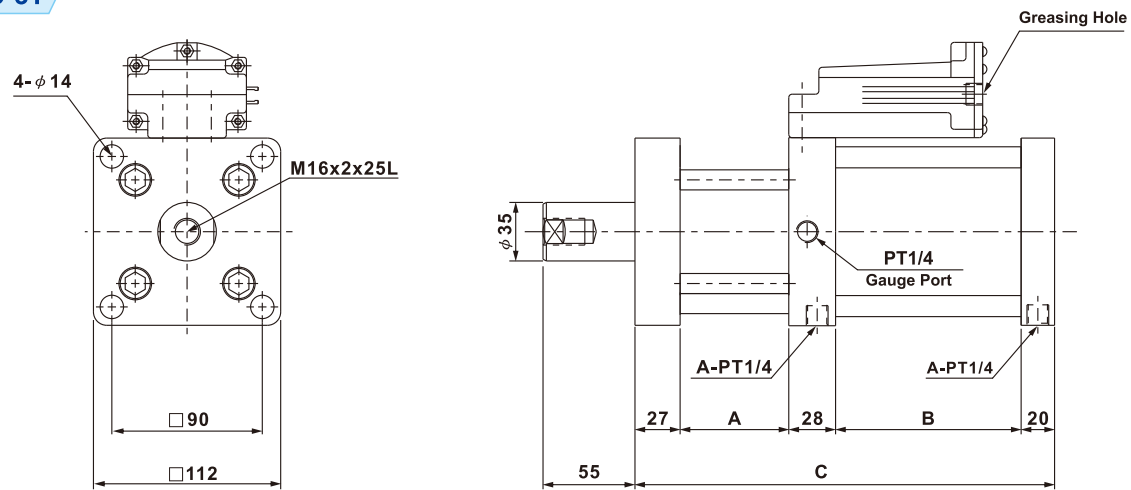


Theoretical output

Operating pressure	Boosting output	Boosting stroke	A	B	C
4 kg/cm ²	1000kg	5	65	86	221
5 kg/cm ²	1250kg	10	65	111	251
6 kg/cm ²	1500kg	15	70	135	280
7 kg/cm ²	1750kg	20	75	160	310

(Unit: mm)

SMPTC-3T



Theoretical output

Operating pressure	Boosting output	Boosting stroke	A	B	C
4 kg/cm ²	2400kg	5	65	111	251
5 kg/cm ²	3000kg	10	705	151	296
6 kg/cm ²	3600kg	15	130	191	396
7 kg/cm ²	4200kg	20	135	231	441

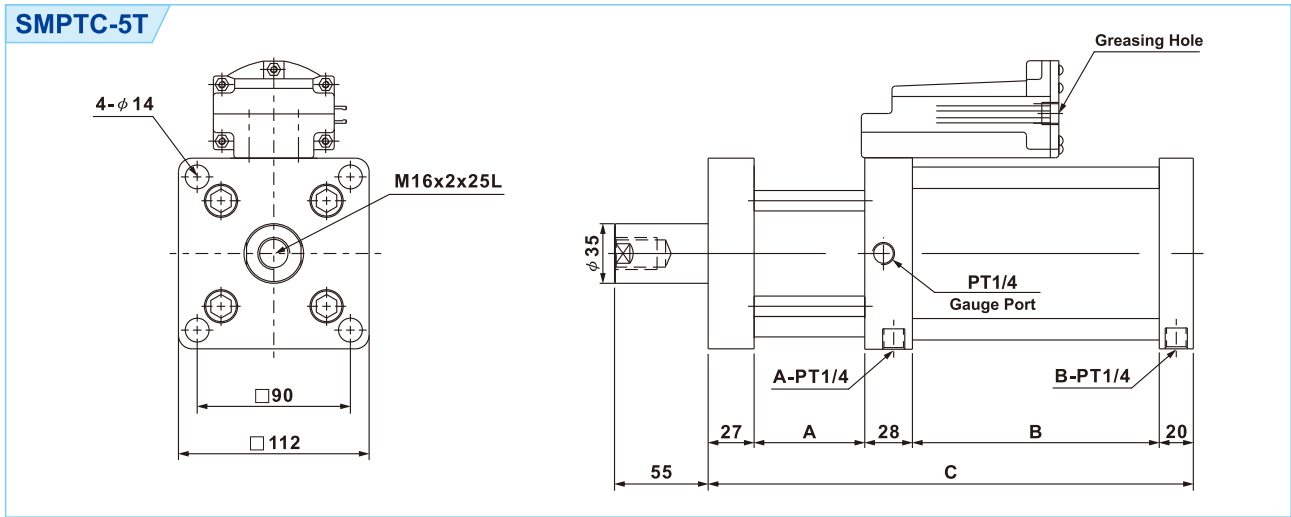
(Unit: mm)

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■ Dimensions

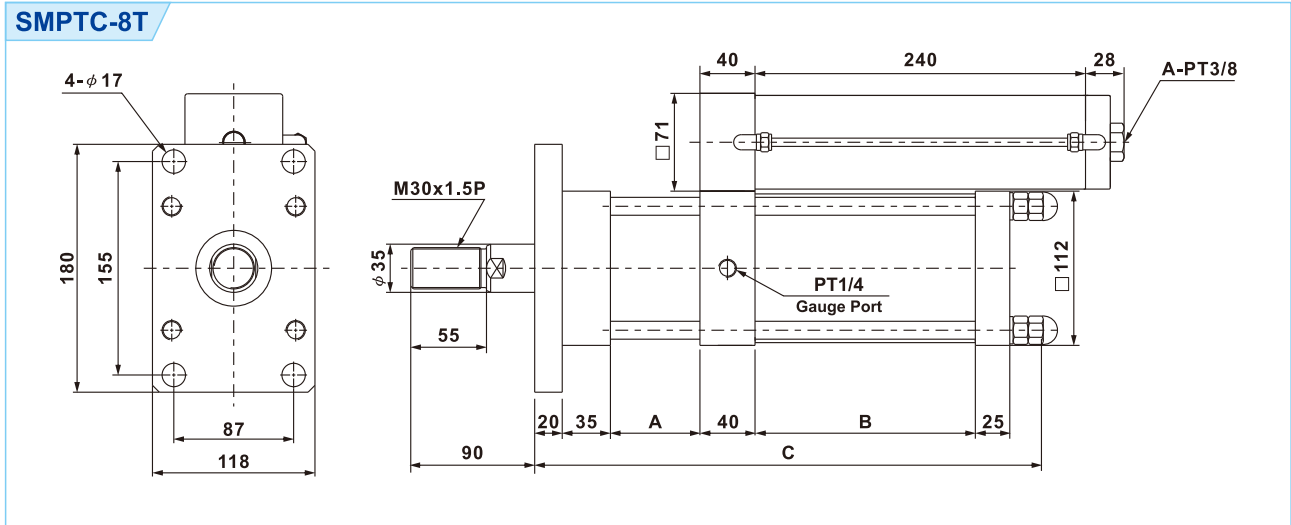
SMPTC-5T



■ Theoretical output

(Unit: mm)					
Operating pressure	Boosting output	Boosting stroke	A	B	C
4 kg/cm ²	3800kg	5	65	145	285
5 kg/cm ²	4800kg	10	125	205	405
6 kg/cm ²	5700kg	15	175	265	515
7 kg/cm ²	6700kg	20	220	321	616

SMPTC-8T

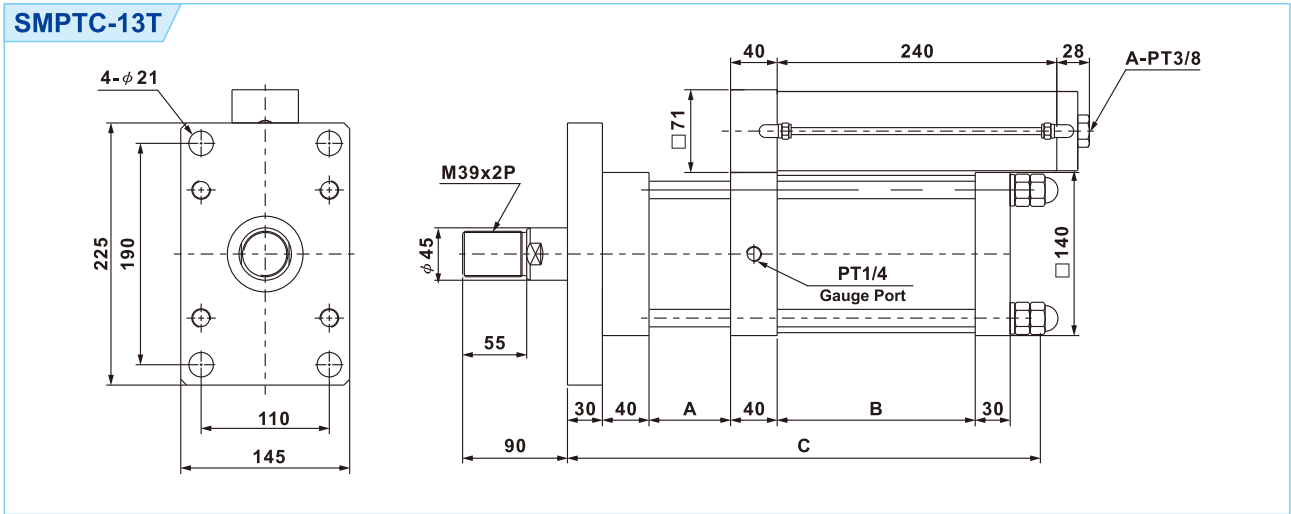


■ Theoretical output

(Unit: mm)					
Operating pressure	Boosting output	Boosting stroke	A	B	C
4 kg/cm ²	5000kg	5	65	160	360
5 kg/cm ²	6200kg	10	125	240	485
6 kg/cm ²	7500kg	15	190	320	645
7 kg/cm ²	8800kg	20	280	400	815

■ Dimensions

SMPTC-13T



■ Theoretical output

(Unit: mm)					
Operating pressure	Boosting output	Boosting stroke	A	B	C
4 kg/cm ²	7800kg	5	70	170	398
5 kg/cm ²	9800kg	10	125	245	528
6 kg/cm ²	11800kg	15	180	320	658
7 kg/cm ²	13800kg	20	250	395	803