

PC...Y Series

· ONE SIDE POSI. CLAMPER (ONLY ONE SIDE OF CLAMPER) IS ALSO AVAILABLE.
PLEASE CONSULT FOR APPLICATION.

- Non-backlash specification
- Large retraction
- Compact & light weight



PC-140Y-01



PC-200Y-01



PC-300Y-01

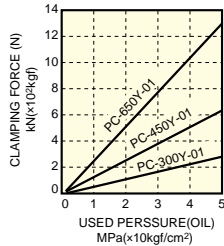
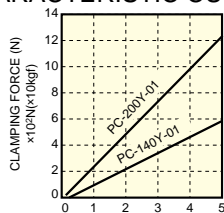


PC-450Y-01

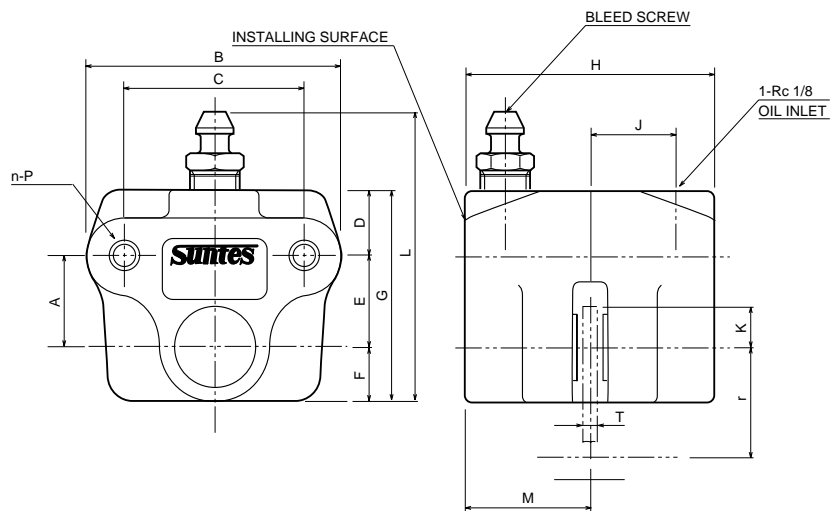


PC-650Y-01

● CHARACTERISTIC CURVE



† COEFFICIENT OF STATIC FRICTION=0.4



· Posi. clamper is divided into two sides. Only one side is usable. Disc thickness is changeable. Please contact us.

· Holding force would decrease when using for non-backlash. In this case, consult.

● DIMENSION LIST

MODEL TYPE	A	B	C	D	E	F	G	H	J	K	L	M	n-P	T	PAD MODEL	MASS(kg)
PC-140Y-01	18	51	36	13	18	11	42	50	17	8	58	25	2-M 6 × 16	3	DB-0480-***	0.2
PC-200Y-01	21	63	45	18	21	15	54	55	18.5	10	70	27.5	2-M 8 × 15.5	6	DB-0481-***	0.35
PC-300Y-01	28	79	54	18	28	24	70	68	24	12	86	34	2-M10 × 19	6	DB-0482-***	0.69
PC-450Y-01	30	104	74	23	30	32	85	79	29.5	18	101	39.5	2-M14 × 21.5	10	DB-0483-***	1.3
PC-650Y-01	46	144	103	35	46	45	126	100	38.5	29	142	50	2-M16 × 26	10	DB-0484-***	3.3

● SPECIFICATION

MODEL TYPE	PC-140Y-01	PC-200Y-01	PC-300Y-01	PC-450Y-01	PC-650Y-01
· CYLINDER DIA (mm)	φ14	φ20	φ30	φ45	φ65
· AREA OF CYLINDER (cm ²)	1.54	3.14	7.07	15.90	33.17
· USABLE DISC DIA (mm)	φ50~∞	φ100~∞		φ150~∞	φ260~∞
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 8 \right)$	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 10 \right)$	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 12 \right)$	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 18 \right)$	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 29 \right)$
· PAD MODEL TYPE	DB-0480-K01※	DB-0481-K01※	DB-0482-K01※	DB-0483-K01※	DB-0484-K01※
· WEAR ALLOWANCE OF PAD (mm)	2	2	2	2	2
· WORKING PRESSURE (MPa)	0.15 ~ 5	0.1 ~ 5		0.05 ~ 5	
· FLUID TO BE USED	MINERAL OIL				
· REQUIRED OIL VOLUME (cc)	0.2	0.4	0.9	2.9	6.0
· TORQUE CALCULATION (CLAMPING FORCE = kN)	T (kN·m) = kN × r				

· Dimensions and specifications might be changed for improvement without notice.