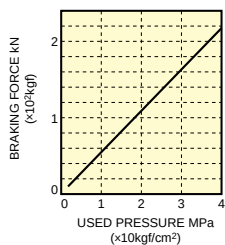


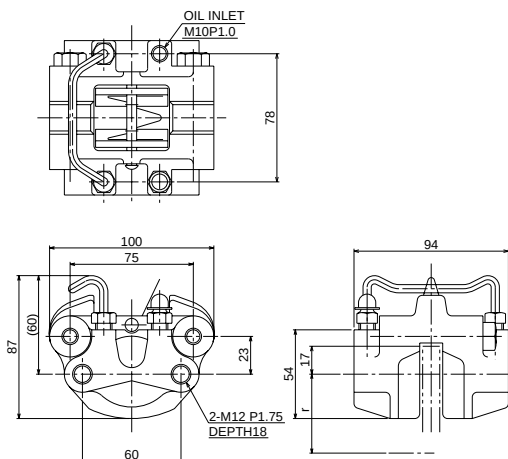
DB-2008



● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3

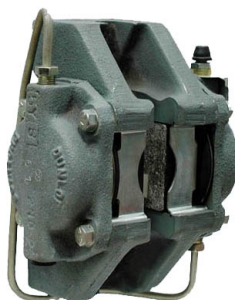


● SPECIFICATION

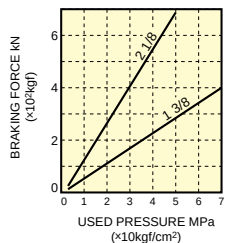
	DB-2008
· MODEL TYPE	DB-2008
· SIZE OF CYLINDER	33.96
· AREA OF CYLINDER (cm ²)	9.05
· USABLE DISC DIA (mm)	φ150-300
· DISC THICKNESS (mm)	10.4
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 17 \right)$
· PAD MODEL TYPE	DB-0405-K ※※※
· WEAR ALLOWANCE OF PAD (mm)	5
· MAX. WORKING OIL PRESSURE (MPa)	4 (40kgf/cm ²)
· REQUIRED OIL VOLUME (cc)	0.5
· WEIGHT (kg)	2
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r

Oil to be used: Use Brake Oil (Vegetable Oil). Also Brake for Mineral Oil are Available.
High μ pad available.

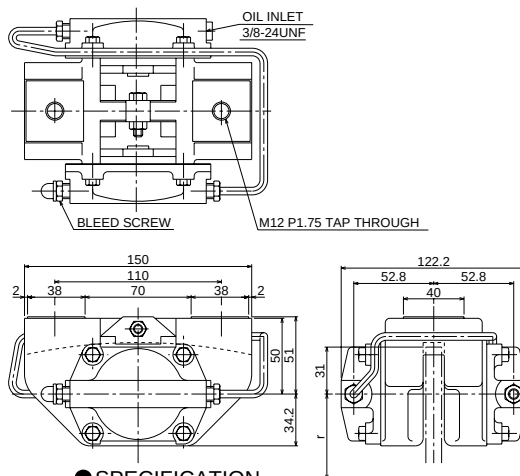
DB-2021B



● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3



● SPECIFICATION

	DB-2021B	
· MODEL TYPE	1 3/8	2 1/8
· SIZE OF CYLINDER	9.57	22.88
· AREA OF CYLINDER (cm ²)		
· USABLE DISC DIA (mm)	φ222-700	
· DISC THICKNESS (mm)	10.4	
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 31 \right)$	
· PAD MODEL TYPE	DB-0400-K ※※※	
· WEAR ALLOWANCE OF PAD (mm)	10	
· MAX. WORKING OIL PRESSURE (MPa)	7 (70kgf/cm ²)	5 (50kgf/cm ²)
· REQUIRED OIL VOLUME (cc)	1	2.5
· WEIGHT (kg)	4.2	4.4
· TORQUE CALCULATION (BRAKING FORCE=kN)	T (kN·m) = kN × r	

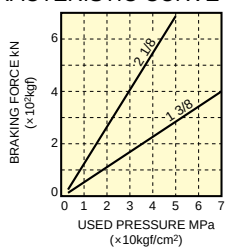
Oil to be used: Use Brake Oil (Vegetable Oil). Also Brake for Mineral Oil are Available.
High μ pad available.

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

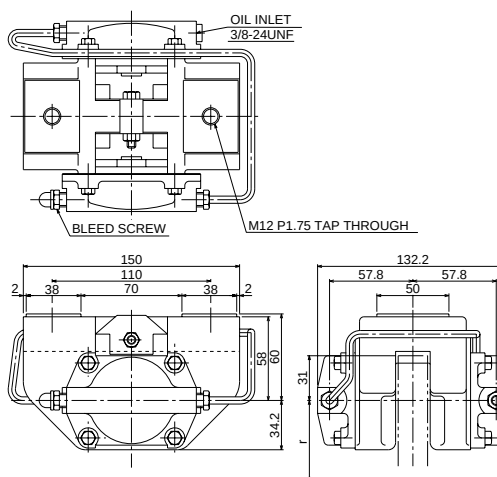
DB-2021S



● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3



● SPECIFICATION

SPECIFICATION		DB-2021S	
・MODEL TYPE			
・SIZE OF CYLINDER		1 3/8	2 1/8
・AREA OF CYLINDER	(cm ²)	9.57	22.88
・USABLE DISC DIA	(mm)	φ222~∞	
・DISC THICKNESS	(mm)	20	
・EFFECTIVE RADIUS OF BRAKING	(m)	$r = \frac{1}{1000} (\frac{DISC DIA}{2} - 31)$	
・PAD MODEL TYPE		DB-0400-K ※※※	
・WEAR ALLOWANCE OF PAD	(mm)	10	
・MAX.WORKING OIL PRESSURE	(MPa)	7 (70kgf/cm ²)	5 (50kgf/cm ²)
・REQUIRED OIL VOLUME	(cc)	1	2.5
・WEIGHT	(kg)	5	5.3
・TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r	

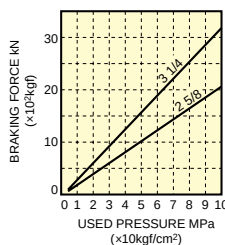
Oil to be used: Use Brake Oil (Vegetable Oil). Also Brake for Mineral Oil are Available.
High μ pad available.

6

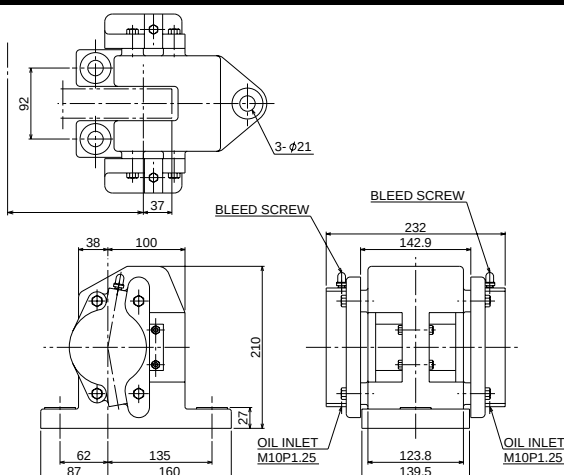
DB-2051



● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3



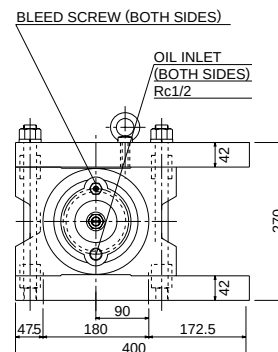
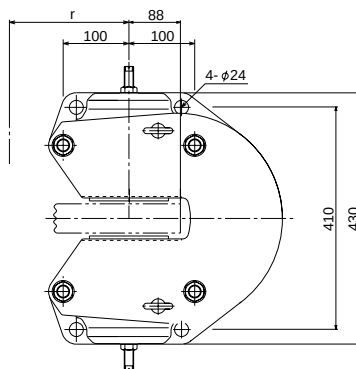
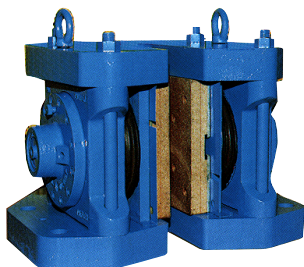
● SPECIFICATION

MODEL TYPE		DB-2051	
· SIZE OF CYLINDER		2 5/8	3 1/4
· AREA OF CYLINDER	(cm ²)	34.89	53.49
· USABLE DISC DIA	(mm)	φ380~∞	
· DISC THICKNESS	(mm)	38	
· EFFECTIVE RADIUS OF BRAKING	(m)	$r = \frac{1}{1000}(\frac{\text{DISC DIA}}{2} - 37)$	
· PAD MODEL TYPE		DB-0401-K※※※	
· WEAR ALLOWANCE OF PAD	(mm)	18	
· MAX.WORKING OIL PRESSURE	(MPa)	10 (100kgf/cm ²)	
· REQUIRED OIL VOLUME	(cc)	7	10
· WEIGHT	(kg)	24	
· TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r	

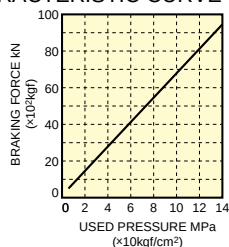
Oil to be used: Use Brake Oil (Vegetable Oil). Also Brake for Mineral Oil are Available.
High μ pad available.

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

DB-3045Y



● CHARACTERISTIC CURVE



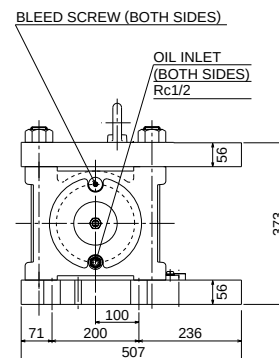
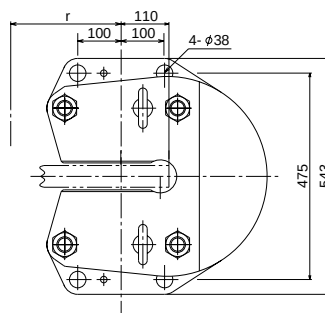
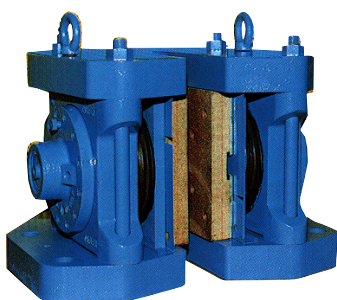
· COEFFICIENT OF DYNAMIC FRICTION 0.3

● SPECIFICATION

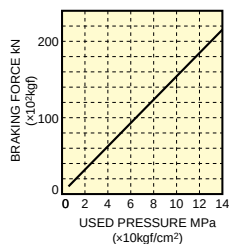
· MODEL TYPE	DB-3045Y
· AREA OF CYLINDER (cm ²)	113
· USABLE DISC DIA (mm)	φ800~∞
· DISC THICKNESS (mm)	50
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 88 \right)$
· PAD MODEL TYPE	DB-0455-K04※
· WEAR ALLOWANCE OF PAD (mm)	20
· MAX. WORKING OIL PRESSURE (MPa)	14 (140kgf/cm ²)
· REQUIRED OIL VOLUME (cc)	115
· WEIGHT (kg)	140
· TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$

Oil to be used: Mineral Oil (Turbine Oil)

DB-3060Y



● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3

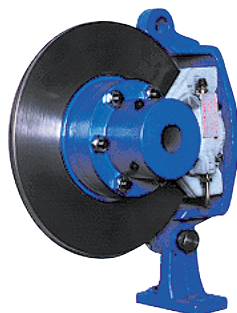
● SPECIFICATION

· MODEL TYPE	DB-3060Y
· AREA OF CYLINDER (cm ²)	255
· USABLE DISC DIA (mm)	φ800~∞
· DISC THICKNESS (mm)	50
· EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 110 \right)$
· PAD MODEL TYPE	DB-0454-K04※
· WEAR ALLOWANCE OF PAD (mm)	20
· MAX. WORKING OIL PRESSURE (MPa)	14 (140kgf/cm ²)
· REQUIRED OIL VOLUME (cc)	200
· WEIGHT (kg)	290
· TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$

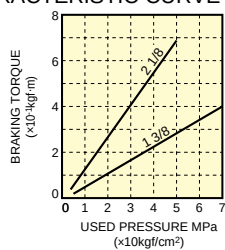
Oil to be used: Mineral Oil (Turbine Oil)

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

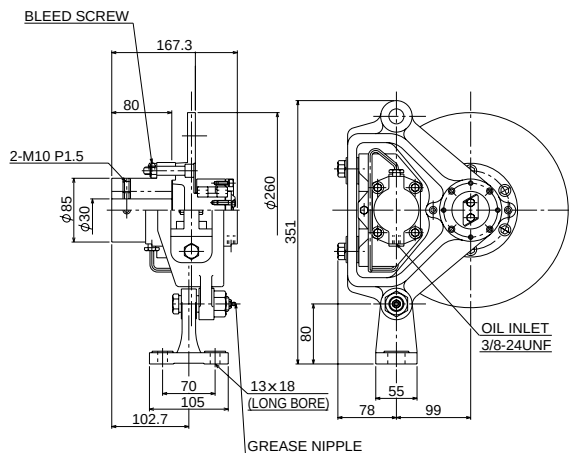
DB PAC-20



● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3

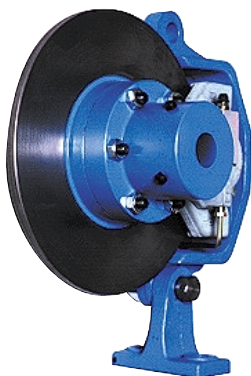


● SPECIFICATION

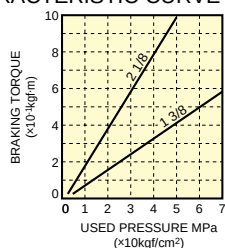
MODEL TYPE	DB PAC-20	
SIZE OF CYLINDER	1 3/8	2 1/8
AREA OF CYLINDER (cm²)	9.57	22.88
USABLE DISC DIA (mm)	φ 260	
DISC THICKNESS (mm)	10.4	
PAD MODEL TYPE	DB-0400	
WEAR ALLOWANCE OF PAD (mm)	10	
MAX. WORKING OIL PRESSURE (MPa)	7 (70kgf/cm²)	5 (50kgf/cm²)
REQUIRED OIL VOLUME (cc)	1	2.5
WEIGHT (kg)	22	

Oil to be used: Use Brake Oil (Vegetable Oil). Also Brake for Mineral Oil are Available.
High μ pad available.

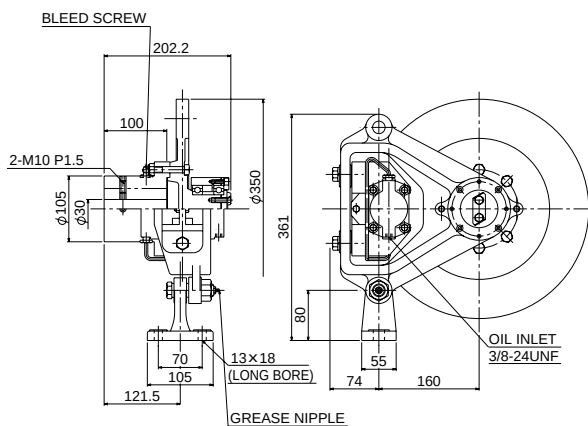
DB PAC-30



● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3



● SPECIFICATION

MODEL TYPE	DB PAC-30	
SIZE OF CYLINDER	1 3/8	2 1/8
AREA OF CYLINDER (cm²)	9.57	22.88
USABLE DISC DIA (mm)	φ 350	
DISC THICKNESS (mm)	20	
PAD MODEL TYPE	DB-0400	
WEAR ALLOWANCE OF PAD (mm)	10	
MAX. WORKING OIL PRESSURE (MPa)	7 (70kgf/cm²)	5 (50kgf/cm²)
REQUIRED OIL VOLUME (cc)	1	2.5
WEIGHT (kg)	40	

Oil to be used: Use Brake Oil (Vegetable Oil). Also Brake for Mineral Oil are Available.
High μ pad available.

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

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

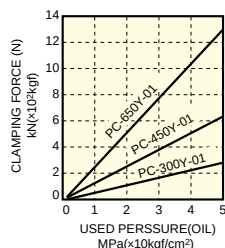
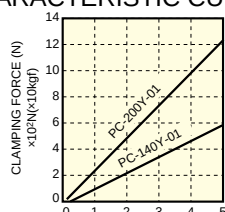


PC-450Y-01

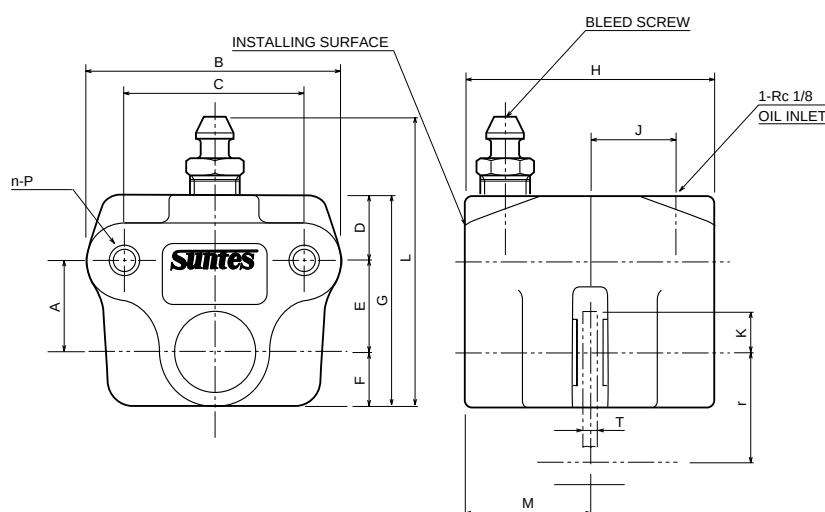


PC-650Y-01

● CHARACTERISTIC CURVE



μ 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 (cm²)	1.54	3.14	7.07	15.90	33.17
• USABLE DISC DIA (mm)	φ50~∞	φ100~∞		φ150~∞	φ260~∞
• EFFECTIVE RADIUS OF BRAKING (m)	$r=\frac{1}{1000}(\frac{DISC DIA}{2}-8)$	$r=\frac{1}{1000}(\frac{DISC DIA}{2}-10)$	$r=\frac{1}{1000}(\frac{DISC DIA}{2}-12)$	$r=\frac{1}{1000}(\frac{DISC DIA}{2}-18)$	$r=\frac{1}{1000}(\frac{DISC DIA}{2}-29)$
• 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.