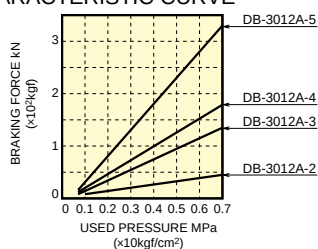


DB-3012A



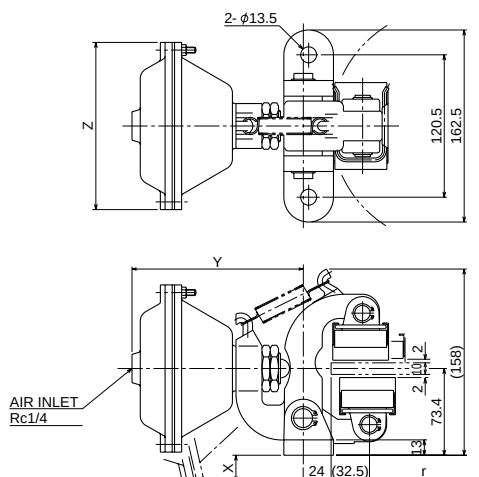
● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3

● CHAMBER SIZE LIST

MODEL TYPE	3012A-2	3012A-3	3012A-4	3012A-5
CHAMBER SIZE	2"	3"	4"	5"
X	14	5	16	30
Y	138	145	145	160
Z ϕ	84	118	141.5	176.5



● SPECIFICATION

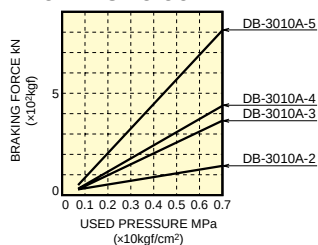
MODEL TYPE	DB-3012A
USABLE DISC DIA (mm)	$\phi 200 \sim \infty$
DISC THICKNESS (mm)	10
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 32.5 \right)$
PAD MODEL TYPE	DB-0433-K ※※※
WEAR ALLOWANCE OF PAD (mm)	7
MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm ²)
WEIGHT (kg)	6
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN}\cdot\text{m)} = \text{kN} \times r$

High μ pad available.

DB-3010A



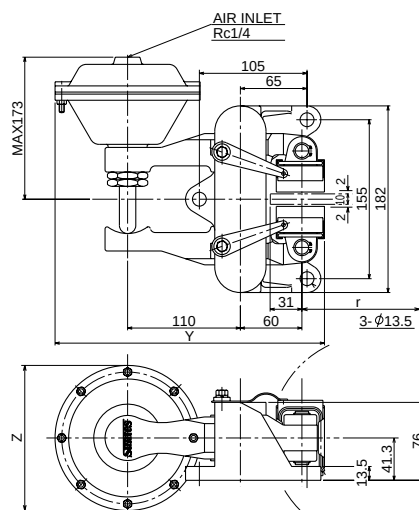
● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3

● CHAMBER SIZE LIST

MODEL TYPE	3010A-2	3010A-3	3010A-4	3010A-5
CHAMBER SIZE	2"	3"	4"	5"
Y	234	251	263	280
Z ϕ	84	118	141.5	176.5



● SPECIFICATION

MODEL TYPE	DB-3010A
USABLE DISC DIA (mm)	$\phi 250 \sim \infty$
DISC THICKNESS (mm)	10
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 31 \right)$
PAD MODEL TYPE	DB-0433-K ※※※
WEAR ALLOWANCE OF PAD (mm)	7
MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm ²)
WEIGHT (kg)	7.8
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN}\cdot\text{m)} = \text{kN} \times r$

High μ pad available.

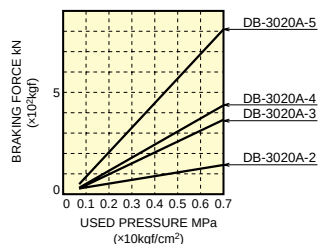
• Left side hand is also available.

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

DB-3020A



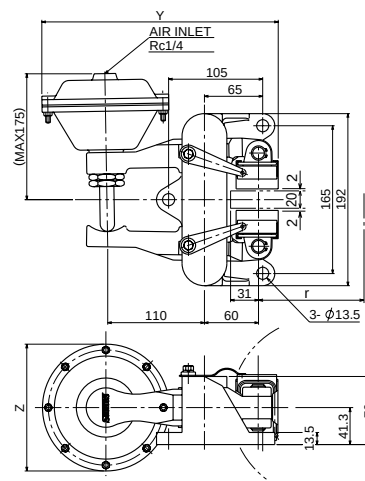
● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3

● CHAMBER SIZE LIST

MODEL TYPE	3020A-2	3020A-3	3020A-4	3020A-5
CHAMBER SIZE	2"	3"	4"	5"
Y	234	251	263	280
Z ϕ	84	118	141.5	176.5



● SPECIFICATION

• Left side hand is also available.

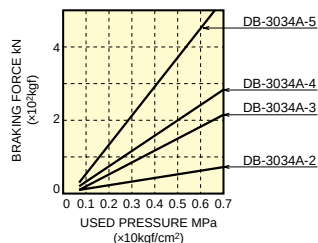
• MODEL TYPE	DB-3020A
• USABLE DISC DIA (mm)	$\phi 200 \sim \infty$
• DISC THICKNESS (mm)	20
• EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 31 \right)$
• PAD MODEL TYPE	DB-0433-K ※※※
• WEAR ALLOWANCE OF PAD (mm)	7
• MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm²)
• WEIGHT (kg)	8.5
• TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$

High μ pad available.

DB-3034A



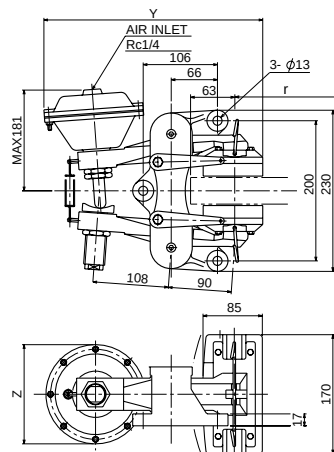
● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3

● CHAMBER SIZE LIST

MODEL TYPE	3034A-2-01	3034A-3-01	3034A-4-01	3034A-5-01
CHAMBER SIZE	2"	3"	4"	5"
Y	269	297	309	326
Z ϕ	84	118	141.5	176.5



• Left side hand is also available.

● SPECIFICATION

• MODEL TYPE	DB-3034A
• USABLE DISC DIA (mm)	$\phi 500 \sim \infty$
• DISC THICKNESS (mm)	38
• EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 63 \right)$
• PAD MODEL TYPE	DB-0435-K ※※※
• WEAR ALLOWANCE OF PAD (mm)	15
• MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm²)
• WEIGHT (kg)	14
• TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$

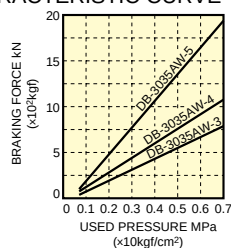
High μ pad available.

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

DB-3035AW



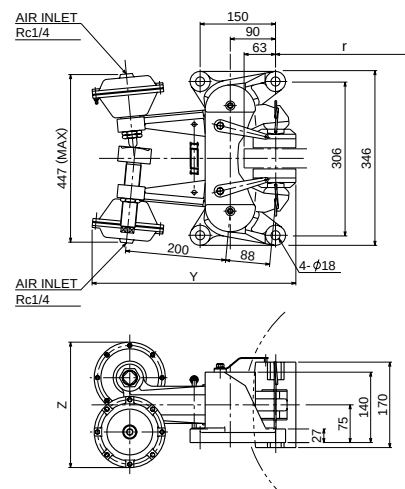
● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3

● CHAMBER SIZE LIST

MODEL TYPE	3035AW-3	3035AW-4	3035AW-5
CHAMBER SIZE	3"	4"	5"
Y	389	401	418
Z	226	250	284

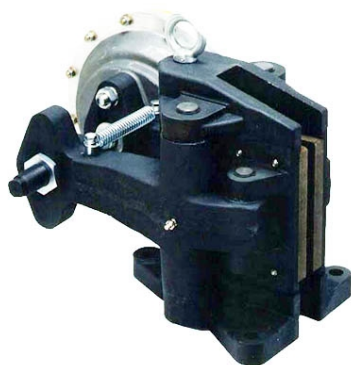


● SPECIFICATION

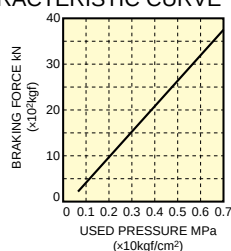
• MODEL TYPE	DB-3035AW
• USABLE DISC DIA (mm)	φ500~∞
• DISC THICKNESS (mm)	38
• EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 63 \right)$
• PAD MODEL TYPE	DB-0435-K ※※※
• WEAR ALLOWANCE OF PAD (mm)	15
• MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm ²)
• WEIGHT (kg)	45
• TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$

High μ pad available.

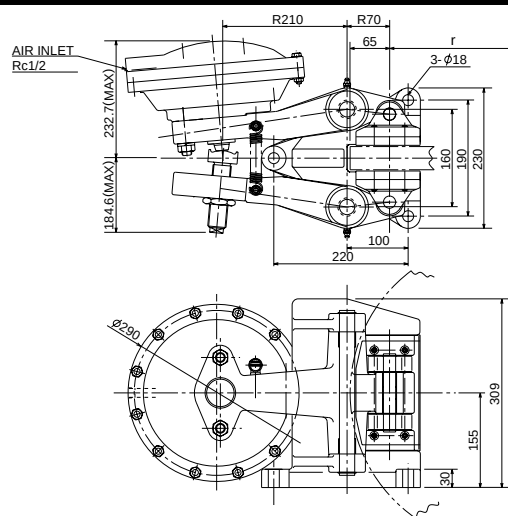
DB-3037A



● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3



● SPECIFICATION

• MODEL TYPE	DB-3037A
• USABLE DISC DIA (mm)	φ500~∞
• DISC THICKNESS (mm)	25
• EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 65 \right)$
• PAD MODEL TYPE	B01062
• WEAR ALLOWANCE OF PAD (mm)	8
• AREA OF CYLINDER (cm ²)	315
• MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm ²)
• WEIGHT (kg)	65
• TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$

High μ pad available.

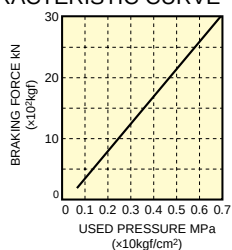
• Left side hand is also available.

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

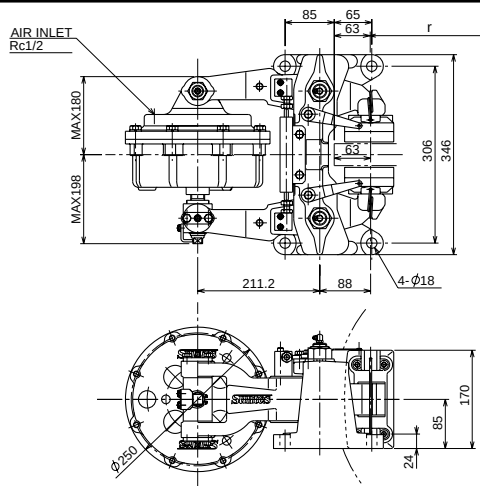
DB-3032A



● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3



● SPECIFICATION

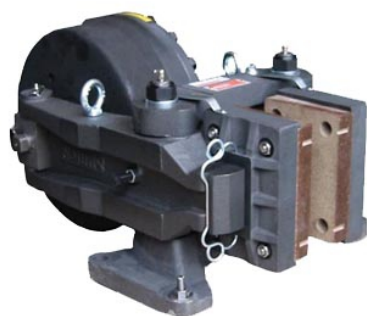
• Left side hand is also available.

MODEL TYPE	3032A-01	3032A-11
USABLE DISC DIA (mm)	φ500~∞	
DISC THICKNESS (mm)	38	50
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 63 \right)$	
PAD MODEL TYPE	DB-0435-K ※※※	
WEAR ALLOWANCE OF PAD (mm)	15	
AREA OF CYLINDER (cm²)	314.2	
MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm²)	
WEIGHT (kg)	60	
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$	

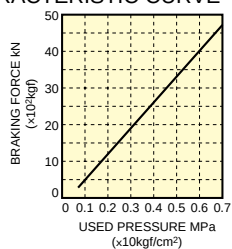
High μ pad available.

12

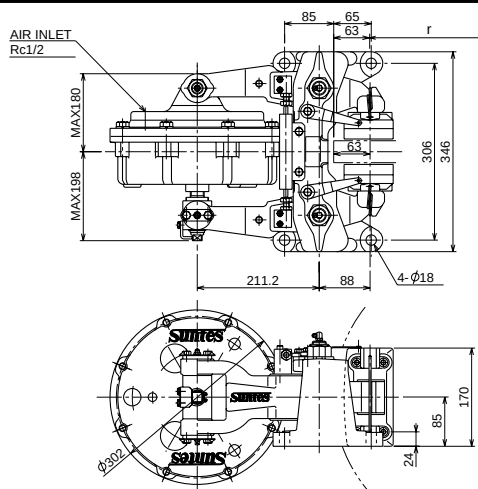
DB-3033A



● CHARACTERISTIC CURVE



• COEFFICIENT OF DYNAMIC FRICTION 0.3



● SPECIFICATION

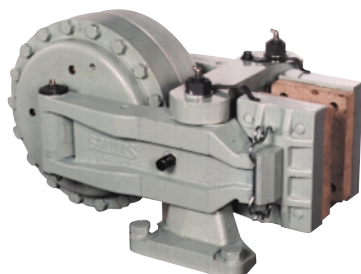
• Left side hand is also available.

MODEL TYPE	3033A-01	3033A-11
USABLE DISC DIA (mm)	φ500~∞	
DISC THICKNESS (mm)	38	50
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 63 \right)$	
PAD MODEL TYPE	DB-0435-K ※※※	
WEAR ALLOWANCE OF PAD (mm)	15	
AREA OF CYLINDER (cm²)	490.9	
MAX. WORKING AIR PRESSURE (MPa)	0.7 (7kgf/cm²)	
WEIGHT (kg)	77	
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$	

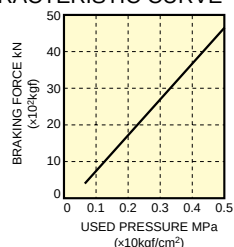
High μ pad available.

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

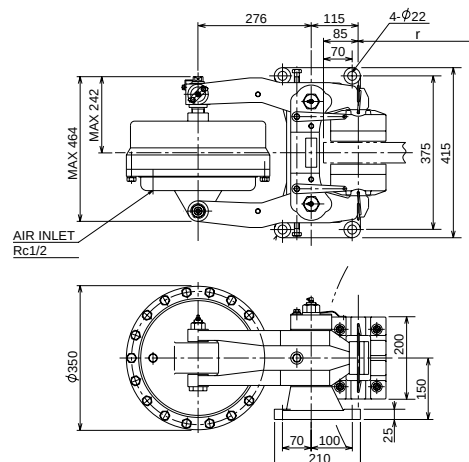
DB-3038A



● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3



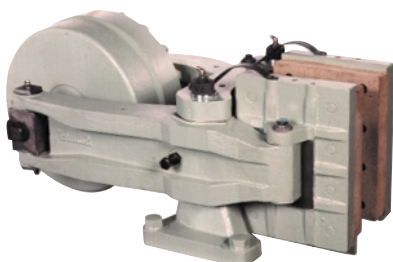
•Left side hand is also available.

● SPECIFICATION

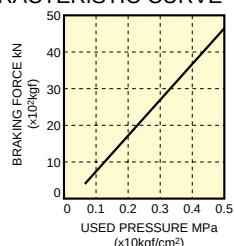
MODEL TYPE	3038A-01	3038A-11	3038A-21
USABL DISC DIA (mm)	φ600~∞		
DISC THICKNESS (mm)	50	75	100
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 85 \right)$		
PAD MODEL TYPE	DB-0455-K01※	DB-0455-K02※	DB-0455-K03※
WEAR ALLOWANCE OF PAD (mm)	20		
AREA OF CYLINDER (cm²)	687		
MAX.WORKING AIR PRESSURE (MPa)	0.5 (5kgf/cm²)		
WEIGHT (kg)	155		
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$		

High μ pad available.

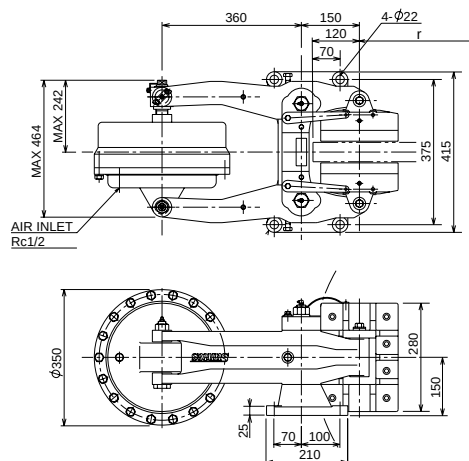
DB-3039A



● CHARACTERISTIC CURVE



· COEFFICIENT OF DYNAMIC FRICTION 0.3



•Left side hand is also available.

● SPECIFICATION

MODEL TYPE	3039A-01	3039A-11	3039A-21
USABLE DISC DIA (mm)	φ900~∞		
DISC THICKNESS (mm)	50	75	100
EFFECTIVE RADIUS OF BRAKING (m)	$r = \frac{1}{1000} \left(\frac{\text{DISC DIA}}{2} - 120 \right)$		
PAD MODEL TYPE	DB-0454-K01※	DB-0454-K02※	DB-0454-K03※
WEAR ALLOWANCE OF PAD (mm)	20		
AREA OF CYLINDER (cm²)	687		
MAX.WORKING AIR PRESSURE (MPa)	0.5 (5kgf/cm²)		
WEIGHT (kg)	185		
TORQUE CALCULATION (BRAKING FORCE=kN)	$T \text{ (kN·m)} = kN \times r$		

High μ pad available.

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

PC...A 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-140A-01



PC-200A-01



PC-300A-01

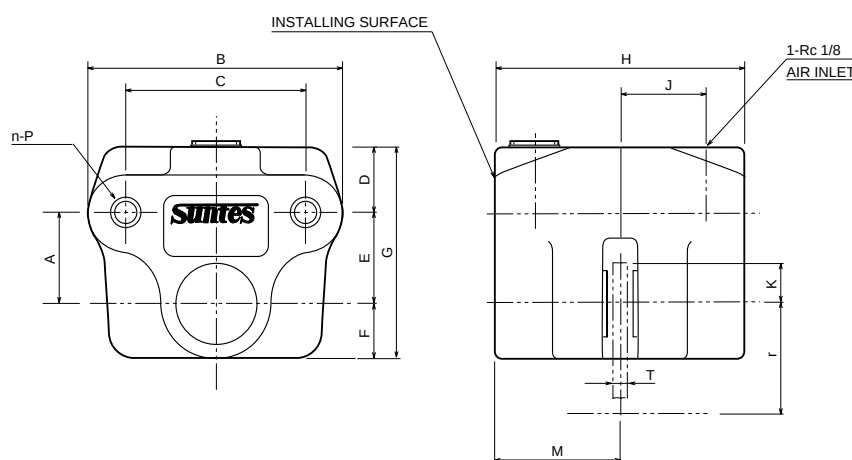
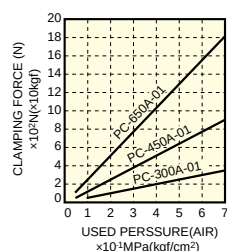
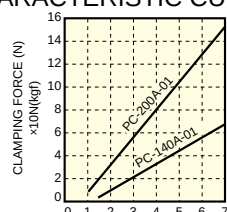


PC-450A-01



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

● SPECIFICATION

・MODEL TYPE	PC-140A-01	PC-200A-01	PC-300A-01	PC-450A-01	PC-650A-01
・USABLE DISC DIA (mm)	φ50~∞	φ100~∞		φ150~∞	φ260~∞
・EFFECTIVE RADIUS OF BRAKING (m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-8)$	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-10)$	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-12)$	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-18)$	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-29)$
・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
・CYLINDER DIA (mm)	φ14	φ20	φ30	φ45	φ65
・AREA OF CYLINDER (cm ²)	1.54	3.14	7.07	15.90	33.17
・WORKING PRESSURE (AIR) (MPa)	0.15~0.7	0.1~0.7		0.05~0.7	
・TORQUE CALCULATION (CLAMPING FORCE=kN)	T (kN・m) = kN × r				

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