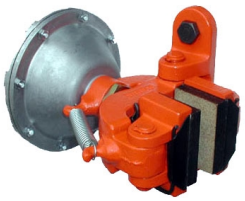
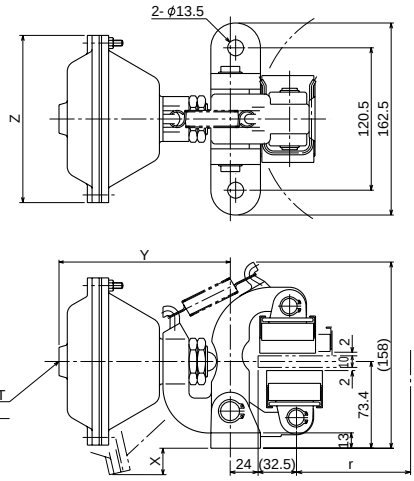
Pneumatic Disc Brake

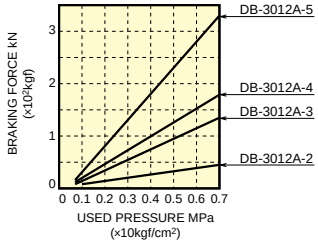
[Pneumatic Applied Spring Release]

DB-3012A





●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3

●CHAMBER SIZE LIST

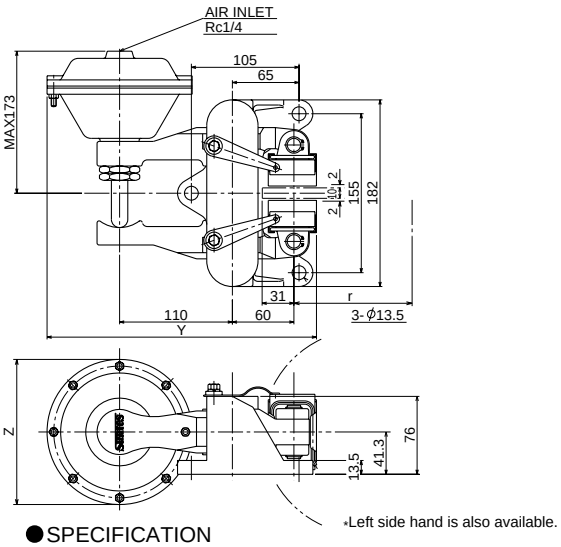
MODEL TYPE	3012A-2	3012A-3	3012A-4	3012A-5
CHAMBER SIZE	2"	3"	4"	5"
X	14	5	16	30
Y	138	145	145	160
Z φ	84	118	141.5	176.5

●SPECIFICATION

・MODEL TYPE		DB-3012A
・USABLE DISC DIA	(㎜)	φ200~∞
・DISC THICKNESS	(㎜)	10
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-32.5)$
・PAD MODEL TYPE		DB-0433-K ※※※
・WEAR ALLOWANCE OF PAD	(㎜)	7
・MAX. WORKING AIR PRESSURE	(MPa)	0.7 (7kgf/cm²)
・WEIGHT	(kg)	6
・TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

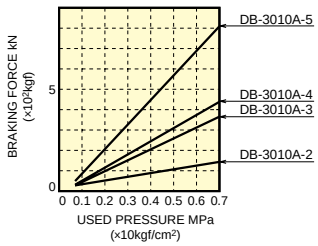
High μ pad available.

DB-3010A



*Left side hand is also available.

●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	(㎜)	φ250~∞
・DISC THICKNESS	(㎜)	10
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-31)$
・PAD MODEL TYPE		DB-0433-K ※※※
・WEAR ALLOWANCE OF PAD	(㎜)	7
・MAX. WORKING AIR PRESSURE	(MPa)	0.7 (7kgf/cm²)
・WEIGHT	(kg)	7.8
・TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

High μ pad available.

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

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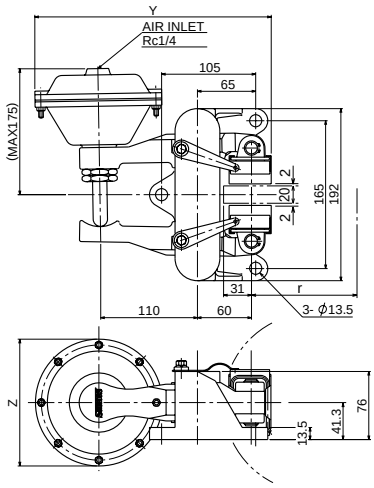
Pneumatic Disc Brake

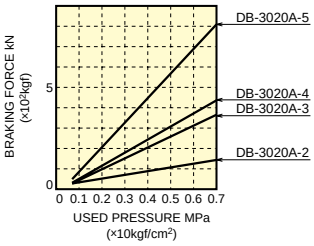
[Pneumatic Applied Spring Release]

DB-3020A



・Left side hand is also available.

●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3

●CHAMBER SIZE LIST

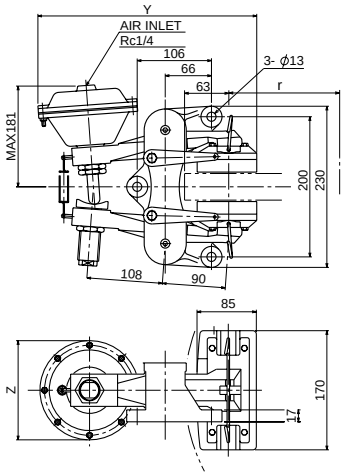
MODEL TYPE	3020A-2	3020A-3	3020A-4	3020A-5
CHAMBER SIZE	2"	3"	4"	5"
Y	234	251	263	280
Z ϕ	84	118	141.5	176.5

●SPECIFICATION

・MODEL TYPE		DB-3020A
・USABLE DISC DIA	(mm)	ϕ200~∞
・DISC THICKNESS	(mm)	20
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-31)$
・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 (kN·m) = kN × r

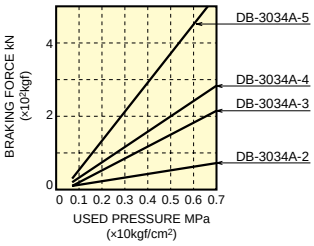
High μ pad available.

DB-3034A



・Left side hand is also available.

●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

●SPECIFICATION

・MODEL TYPE		DB-3034A
・USABLE DISC DIA	(mm)	ϕ500~∞
・DISC THICKNESS	(mm)	38
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-63)$
・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 (kN·m) = kN × r

High μ pad available.

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POWER CONTROL SYSTEMS
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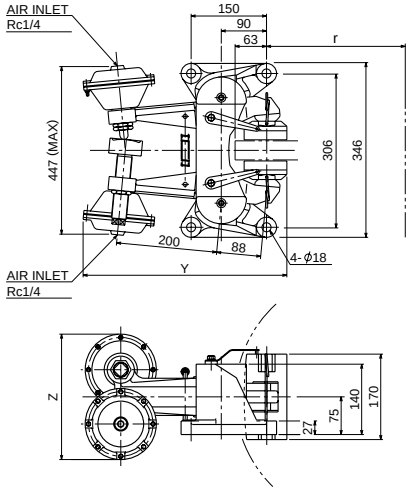
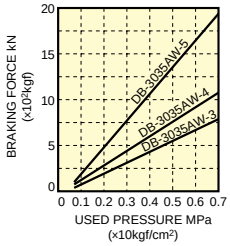
Pneumatic Disc Brake

[Pneumatic Applied Spring Release]

DB-3035AW



●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3

●CHAMBER SIZE LIST

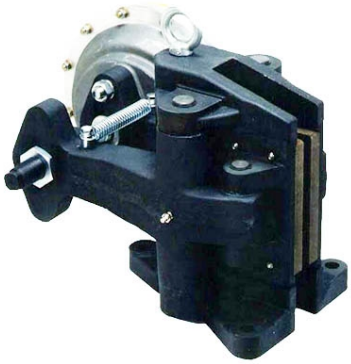
MODEL TYPE	3035AW-3	3035AW-4	3035AW-5
CHAMBER SIZE	3"	4"	5"
Y	389	401	418
Z	226	250	284

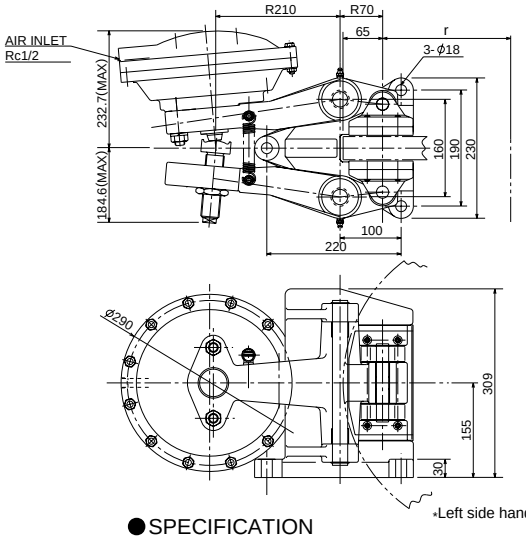
●SPECIFICATION

・MODEL TYPE		DB-3035AW
・USABLE DISC DIA	(㎜)	φ500~ ∞
・DISC THICKNESS	(㎜)	38
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-63)$
・PAD MODEL TYPE		DB-0435-K ※※※
・WEAR ALLOWANCE OF PAD	(㎜)	15
・MAX.WORKING AIR PRESSURE	(MPa)	0.7 (7kgf/cm²)
・WEIGHT	(kg)	45
・TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

High μ pad available.

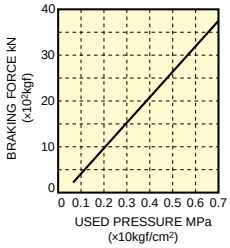
DB-3037A





*Left side hand is also available.

●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3

●SPECIFICATION

・MODEL TYPE		DB-3037A
・USABLE DISC DIA	(㎜)	φ500~ ∞
・DISC THICKNESS	(㎜)	25
・EFFECTIVE RADIUS OF BRAKING	(m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-65)$
・PAD MODEL TYPE		B01062
・WEAR ALLOWANCE OF PAD	(㎜)	8
・AREA OF CYLINDER	(cm²)	315
・MAX.WORKING AIR PRESSURE	(MPa)	0.7 (7kgf/cm²)
・WEIGHT	(kg)	65
・TORQUE CALCULATION (BRAKING FORCE=kN)		T (kN·m) = kN × r

High μ pad available.

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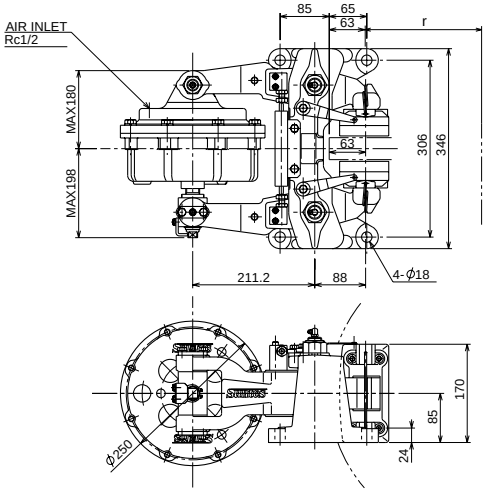
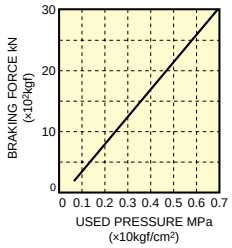
Pneumatic Disc Brake PAT.

[Pneumatic Applied Spring Release]

DB-3032A



●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3

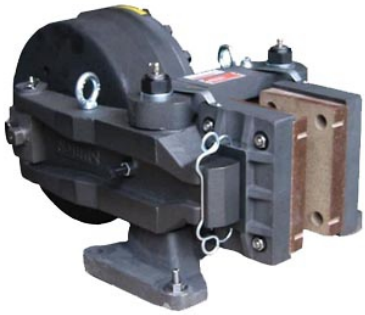
●SPECIFICATION

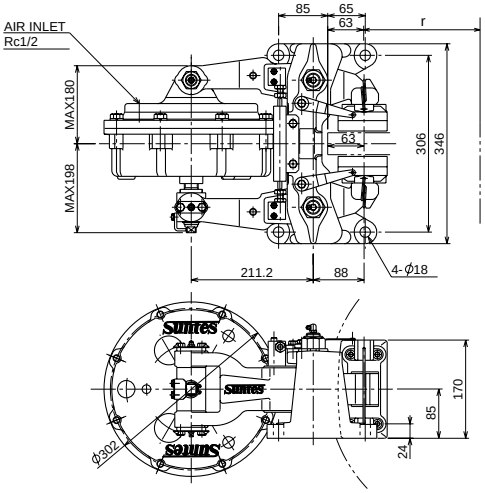
*Left side hand is also available.

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

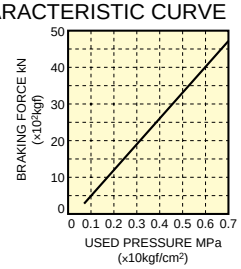
High μ pad available.

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

High μ pad available.

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POWER CONTROL SYSTEMS

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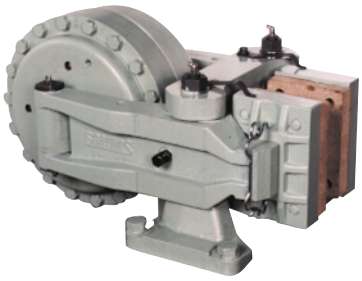
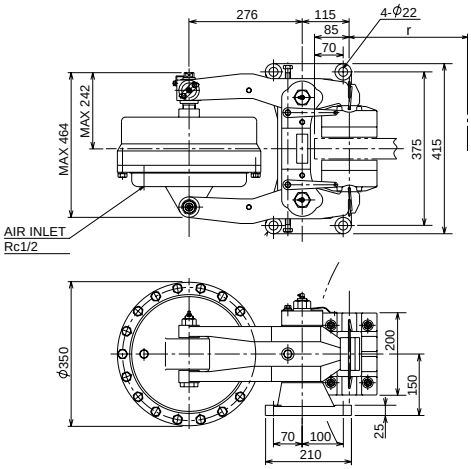
Pneumatic Disc Brake PAT.

[Pneumatic Applied Spring Release]

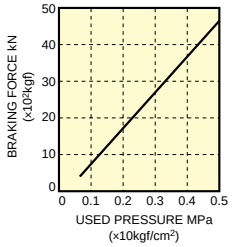
DB-3038A





*Left side hand is also available.

●CHARACTERISTIC CURVE



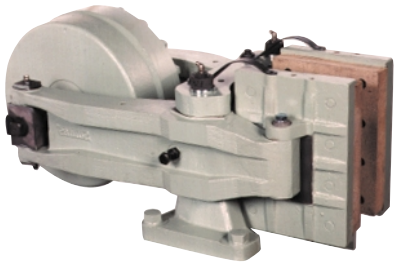
・COEFFICIENT OF DYNAMIC FRICTION 0.3

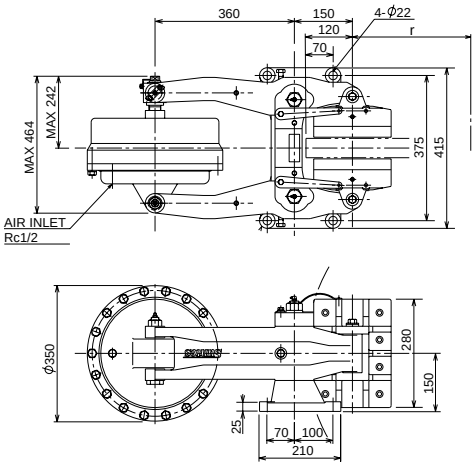
●SPECIFICATION

・MODEL TYPE	3038A-01	3038A-11	3038A-21
・USABL DISC DIA (mm)	φ600~ ∞		
・DISC THICKNESS (mm)	50	75	100
・EFFECTIVE RADIUS OF BRAKING (m)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-85)$		
・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 (kN·m) = kN × r		

High μ pad available.

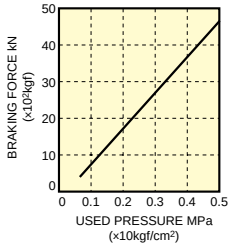
DB-3039A





*Left side hand is also available.

●CHARACTERISTIC CURVE



・COEFFICIENT OF DYNAMIC FRICTION 0.3

●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)	$r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-120)$		
・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 (kN·m) = kN × r		

High μ pad available.

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