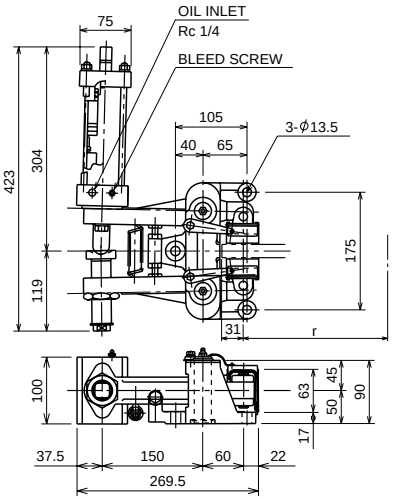
# DB-5043YF



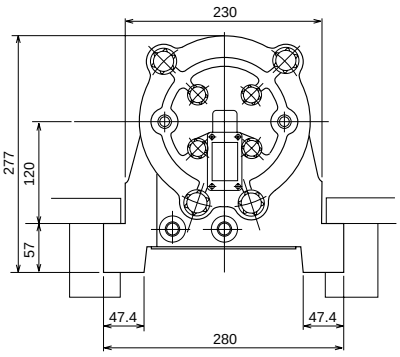

· COEFFICIENT OF DYNAMIC FRICTION 0.3
· Left side hand is also available.

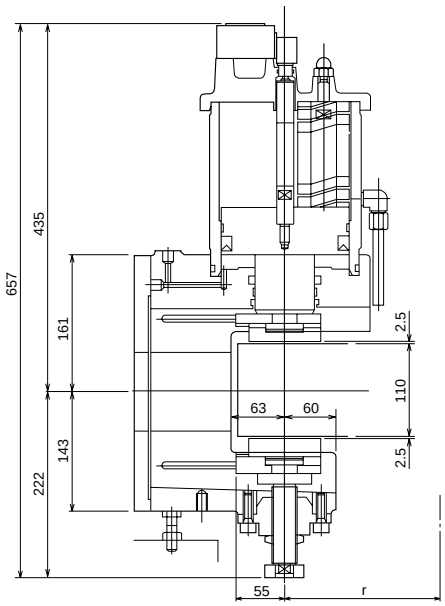
●SPECIFICATION

| | | |
|---|---|---|
| ·MODEL TYPE | | DB-5043YF |
| ·USABLE DISC DIA | (㎜) | φ200~∞ |
| ·DISC THICKNESS | (㎜) | 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 | (㎜) | 7 |
| ·BRAKING FORCE (AIR GAP, ONESIDE 1㎜) | (kN) | 0.18~0.6 (×10²kgf) |
| ·MAX.WORKING OIL PRESSURE | (MPa) | 7 (70kgf/cm²) |
| ·WEIGHT | (kg) | 20 |

Oil to be used:Mineral Oil (Turbine Oil)
Pad for only holding (static $\mu$) is available for application for holding brake.

# DB-5045YF




●SPECIFICATION

| | | | | | | |
|---|---|---|---|---|---|---|
| ·MODEL TYPE | | DB-5045YF/01 | DB-5045YF/02 | DB-5045YF/03 | DB-5045YF/04 | DB-5045YF/05 |
| ·USABLE DISC DIA | (㎜) | φ2000~ ∞ | | | | |
| ·DISC THICKNESS | (㎜) | 110 | | | | |
| ·EFFECTIVE RADIUS OF BRAKING | (m) | $r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-55)$ | | | | |
| ·PAD MODEL TYPE | | DB-0435-103 | | | | |
| ·WEAR ALLOWANCE OF PAD | (㎜) | 8 | | | | |
| ·BRAKING FORCE (AIR GAP, ONESIDE 1㎜) | (kN) | 28.8 | 24.0 | 19.8 | 15.0 | 12.0 |
| ·MAX.WORKING OIL PRESSURE | (MPa) | 7 (70kgf/cm²) | | | | |
| ·WEIGHT | (kg) | 150 | | | | |

Oil to be used:Mineral Oil (Turbine Oil)



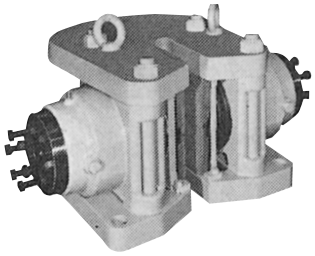
*Dimensions and specifications might be changed for improvement without notice.

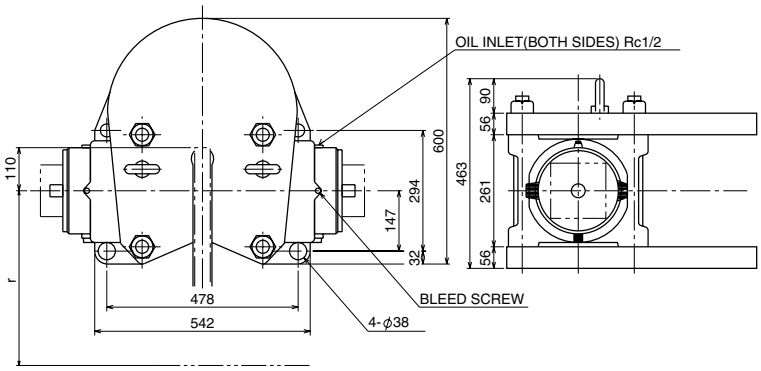
SANYO SHOJI CO.,LTD.

# SA Hydraulic Disc Brake

[ Spring Applied Hydraulic Release ]

## DB-3055YF





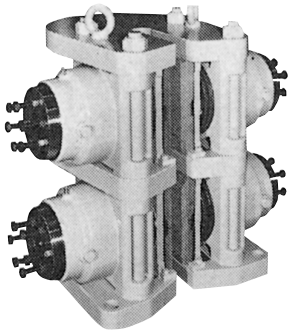

### ●SPECIFICATION

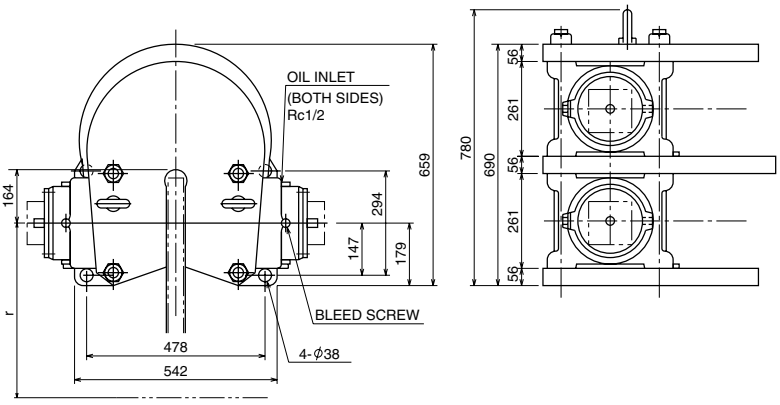
| | | | | | |
|---|---|---|---|---|---|
| · MODEL TYPE | DB-3055YF | | | | |
| · USABLE DISC DIA (㎜) | φ1200~ ∞ | | | | |
| · DISC THICKNESS (㎜) | 50 | | | | |
| · EFFECTIVE RADIUS OF BRAKING (m) | $r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-110)$ | | | | |
| · BRAKING FORCE (kN) (AIR GAP, ONESIDE 1㎜) | 138(13.8T) | 123(12.3T) | 106(10.6T) | 82(8.2T) | 60(6T) |
| · SET OIL PRESSURE (MPa) | 16 (160kgf/cm²) | 14.5 (145kgf/cm²) | 13 (130kgf/cm²) | 10 (100kgf/cm²) | 7.5 (75kgf/cm²) |
| · COEFFICIENT OF STATIC FRICTION | 0.3 | | | | |
| · WEIGHT (kg) | 400 | | | | |
| · TORQUE CALCULATION (BRAKING FORCE=kN) | T (kN·m) = kN × r | | | | |

Oil to be used:Mineral Oil (Turbine Oil)



## DB-3055YFW





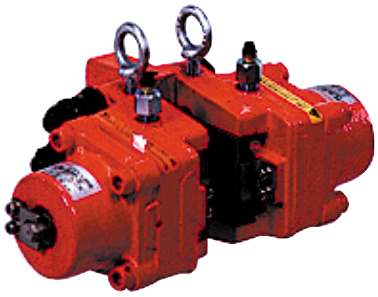

### ●SPECIFICATION

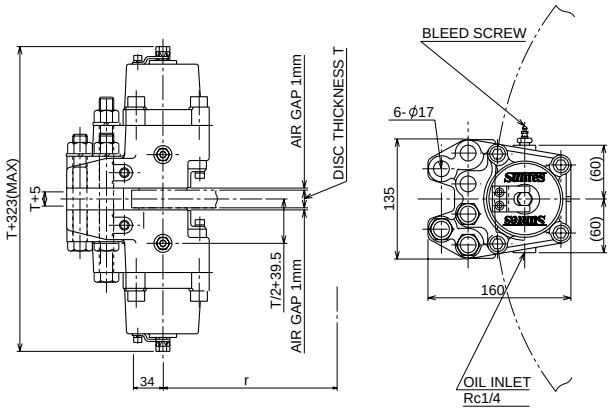
| | | | | | |
|---|---|---|---|---|---|
| · MODEL TYPE | DB-3055YFW | | | | |
| · USABLE DISC DIA (㎜) | φ1500~ ∞ | | | | |
| · DISC THICKNESS (㎜) | 50 | | | | |
| · EFFECTIVE RADIUS OF BRAKING (m) | $r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-164)$ | | | | |
| · BRAKING FORCE (kN) (AIR GAP, ONESIDE 1 ㎜) | 276(27.6T) | 246(24.6T) | 212(21.2T) | 164(16.4T) | 120(12T) |
| · SET OIL PRESSURE (MPa) | 16 (160kgf/cm²) | 14.5 (145kgf/cm²) | 13 (130kgf/cm²) | 10 (100kgf/cm²) | 7.5 (75kgf/cm²) |
| · COEFFICIENT OF STATIC FRICTION | 0.3 | | | | |
| · WEIGHT (kg) | 700 | | | | |
| · TORQUE CALCULATION (BRAKING FORCE=kN) | T (kN·m) = kN × r | | | | |

Oil to be used:Mineral Oil (Turbine Oil)

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

# DB-5503YF



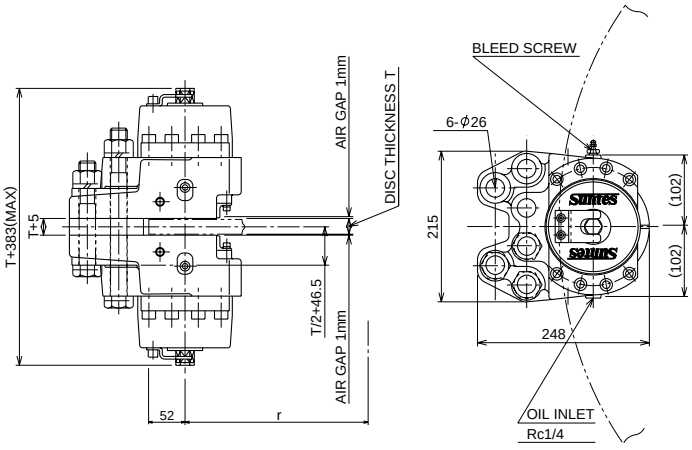



## ●SPECIFICATION

| | | |
|---|---|---|
| ·MODEL TYPE | | DB-5503YF |
| · USABLE DISC DIA | (㎜) | φ230~∞ |
| · EFFECTIVE RADIUS OF BRAKING | (m) | $r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-34)$ |
| · PAD MODEL TYPE | | DB-0452-K03 |
| · BRAKING FORCE (AIR GAP, ONESIDE 1㎜) | (kN) | 18 (1.8T) |
| · SET OIL PRESSURE | (MPa) | Min13.5~Max17 (135~170Kgf/cm²) |
| · COEFFICIENT OF STATIC FRICTION | | 0.3 |
| · WEIGHT | (kg) | 20 |
| · TORQUE CALCULATION (BRAKING FORCE=kN) | | T (kN·m) = kN × r |



# DB-5508YF

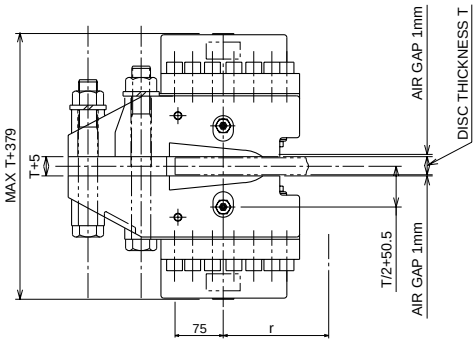


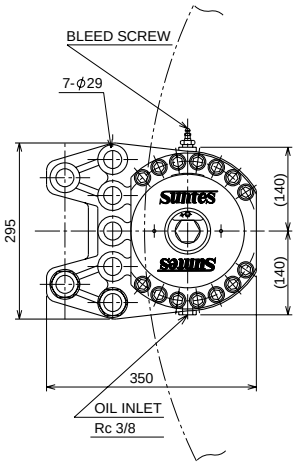

## ●SPECIFICATION

| | | |
|---|---|---|
| ·MODEL TYPE | | DB-5508YF |
| · USABLE DISC DIA | (㎜) | φ570~∞ |
| · EFFECTIVE RADIUS OF BRAKING | (m) | $r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-52)$ |
| · PAD MODEL TYPE | | DB-0452-K03 |
| · BRAKING FORCE (AIR GAP, ONESIDE 1㎜) | (kN) | 48 (4.8T) |
| · SET OIL PRESSURE | (MPa) | Min13.5~Max17 (135~170Kgf/cm²) |
| · COEFFICIENT OF STATIC FRICTION | | 0.3 |
| · WEIGHT | (kg) | 54 |
| · TORQUE CALCULATION (BRAKING FORCE=kN) | | T (kN·m) = kN × r |

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

# DB-5520YF



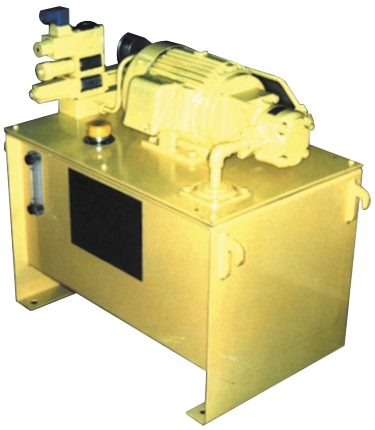



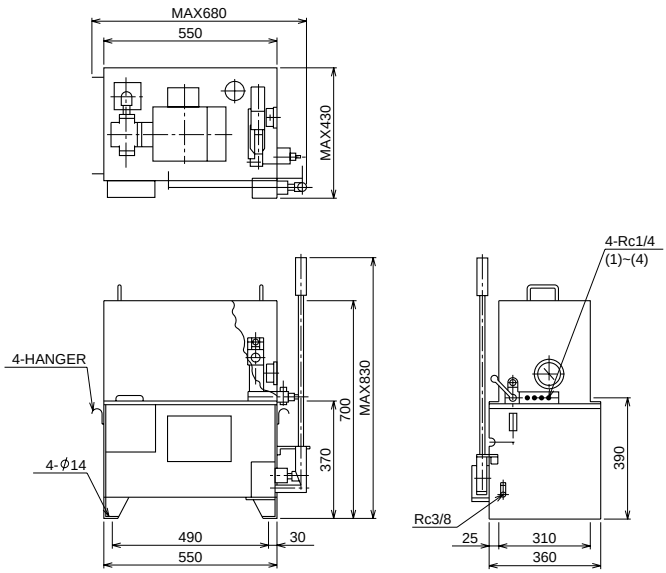

● SPECIFICATION

| | | |
|---|---|---|
| · MODEL TYPE | | DB-5520YF |
| · USABLE DISC DIA | (㎜) | φ1170~∞ |
| · EFECTIVE RADIUS OF BRAKING | (m) | $r=\frac{1}{1000}(\frac{\text{DISC DIA}}{2}-75)$ |
| · PAD MODEL TYPE | | DB-0452-K03 |
| · BRAKING FORCE (AIR GAP, ONESIDE 1㎜) | (kN) | 108 (10.8T) |
| · SET OIL PRESSURE | (MPa) | Min13.5~Max17(135~n170kgf/cm²) |
| · COEFFICIENT OF STATIC FRICTION | | 0.3 |
| · WEIGHT | (kg) | 134 |
| · TORQUE CALCULATION (BRAKING FORCE=kN) | | T (kN·m) = kN × r |



# Hydraulic Unit






● SPECIFICATION

| | | |
|---|---|---|
| · MOTOR | (kW) | 0.75×4P/200V |
| · PUMP | | PRESSURE 14MPa (140kgf/cm²) FLOW RATE 1.5ℓ/min. |
| · SOLENOID VALVE | (V) | AC100/200 |
| · WEIGHT | (kg) | 100 |

*Consult for special specification.

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

SANYO SHOJI CO.,LTD.