

DAISLIDE

(embedded solid lubricant)



Excluding products BA,SL

DAISLIDE is a copper based bearing for heavy load applications into which solid lubricant plugs are embedded.

Features

- Maintenance-free, requires no lubrication
- Excellent wear resistance properties. Excellent wear resistance properties are exhibited in applications where oil film formation is difficult such as reciprocating, intermittent or oscillating motions under conditions of high load and low speed.
- Friction coefficient is low.
- Can be used at a range of temperatures
- Free design is possible on the shape and the size.
- Excellent corrosion and chemical resistance. This bearing can be used in river or sea water, in special liquids where chemical resistance of the metal base and solid lubricant is needed, and in gas where oil supply is difficult.

In an acid or alkaline atmosphere properties may differ depending on the type, density and humidity. Please do a sample test or consult us.
- Excellent impact resistance

Material Type

1.Base Metal

Three types of base metal are offered:

- B:Bronze (BC)
- S:High Strength Brass (HBsC)
- K:High Strength Special Copper Alloy

2.Solid Lubricant Plug

(1)Arrangement of solid lubricant plug

The solid lubricant plugs are aligned obliquely from the axial in line direction to enable the bearing to obtain a thin film of lubricant during movement in the axial direction.

(2)Types of solid lubricant plug

- Plug A is for general use and is usually kept in stock.
- Plug L is for use in water and sea water and is made to order.

Special plugs are prepared for applications in water or seawater, where electrolytic corrosion is anticipated due to the material of housing and shaft.

3.Combination with Base Metal

| Plug Symbol | A | | | L |
|---------------------|--------------------------|---------------|------------------------------------|-----------------------|
| | High Strength Brass | Bronze | High Strength Special Copper Alloy | High Strength Brass |
| Base Metal | | | | |
| Merchan dise Symbol | HA | *BA | KA | *SL |
| | SAF | | | |
| | SAFG | | | |
| | TA | | | |
| | PA | | | |
| LA | | | | |
| Use | General | | High Load | In Water, in Seawater |
| Stock | Standard Stock Available | made to order | | |

Physical Properties

Characteristics of Base Metal

| Item | Unit, etc | DAISLIDE B (Bronze Base) | DAISLIDE S (High Strength Brass Base) | DAISLIDE K (High Strength Special Copper Alloy Base) |
|---|-----------------------|--------------------------|---------------------------------------|--|
| Specific Gravity | | 8.7 | 8.2 | - |
| Coefficient of Linear Thermal Expansion | ×10 ⁻⁶ /°C | 16 – 18 | 16 – 20 | 16 – 20 |
| Heat Transfer Coefficient | cal/sec°C·cm | 0.11 – 0.15 | 0.09 – 0.13 | - |
| Tensile Strength | N/mm ² | Above 196 | Above 690 | Above 760 |
| Impact Strength | N·m/cm ² | 15 | 19 | - |
| Hardness | HB | 60 – 80 | Above 200 | Above 240 |
| Modulus of Longitudinal Elasticity | kN/mm ² | 96 | 98 – 137 | - |
| Compression Yield Strength (0.1%) | N/mm ² | - | Above 350 | - |
| Solid Lubricant Area on Slide Surface | % | 25 – 30 | | |
| Elongation | % | Above 15 | Above 12 | Above 4 |

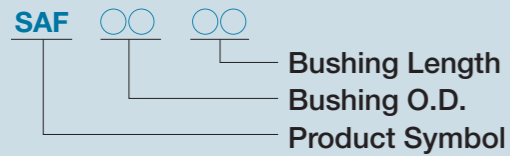
Bearing Characteristics

| Type | Base Metal | Oil Supply Condition | Allowable Max. Load *MPa | Allowable Max. Speed *m/min | Allowable Max. PV Value *MPa·m/min | Limit Operating Temperature *°C |
|------------|------------------------------------|--------------------------------------|--------------------------|-----------------------------|------------------------------------|---------------------------------|
| DAISLIDE B | Bronze | No Oil Supply | 14.7 | 25 | 58.8 | 250 |
| | | Grease Cup Type Periodic Lubrication | 14.7 | 150 | 98.1 | 250 |
| | | Oil Drip Lubrication | 14.7 | 250 | 196.1 | 250 |
| DAISLIDE S | High Strength Brass | No Oil Supply | 49.0 | 15 | 196.1 | Normal Temperature |
| | | Grease Cup Type Periodic Lubrication | 24.5 | 50 | 147.1 | 250 |
| | | Oil Drip Lubrication | 24.5 | 100 | 196.1 | 250 |
| DAISLIDE K | High Strength Special Copper Alloy | No Oil Supply | 73.0 | 15 | 99.0 | 250 |
| | | Grease Cup Type Periodic Lubrication | 73.0 | 30 | 196.1 | 250 |

* When the bearing is to be used at temperatures exceeding 100°C it is necessary to provide a margin on the PV value at the design stage.
 * In the case of high strength brass base metal and the high strength special copper alloy base metal, depending on the conditions of usage, for example when the bearings are at very low speeds near to V=0, the bearings can be used at pressures higher than those given in the table above.

SAF DAISLIDE SAF Flanged Bushing (Bushing Inner Diameter: 6 to 120 mm)

Designation of Part Number



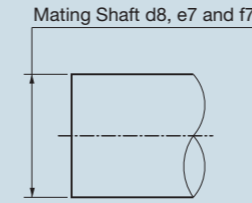
Pb Free

RoHS

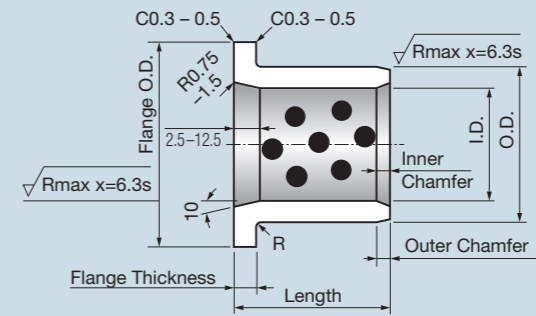
ELV

SAF 0610

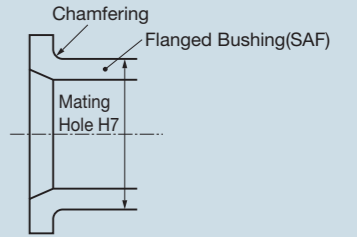
Please specify by part number.



d8: For General Use (High Load)
e7: For General Use (Light Load)
f7: For High-precision Use



Example of Mounting



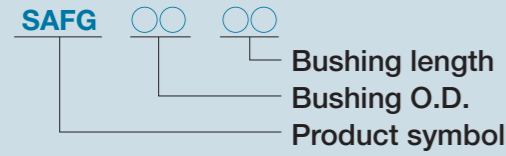
(Unit: mm)

| Bushing I.D. | Recommended Dimension Mating Part | | | | Bushing Dimensions | | | | | | | | | | | | | | | | Bushing I.D. | | | | | | | | | | | |
|--------------|-----------------------------------|------------------------------|------------------------------|-----------------------|--------------------|------------------|-------|----------------|--|-------------|----|----|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|--------------|-------------|-----------------|-----------------|-------------|-------------|-------------|--------------|---------------|-----------|-----------|-----|
| | Housing I.D. | Shaft Dia | | | Flange O.D. | Flange Thickness | O.D. | Wall Thickness | Part Number & Bushing Length Tolerance | | | | | | | | | | | | | | Chamfer on O.D. | Chamfer on I.D. | | | | | | | | |
| | | General Purpose (Heavy Load) | General Purpose (Light Load) | High Accuracy Purpose | | | | | -0.1 / +0.3 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 10 | 12 | 15 | 17 | 18 | 20 | 23 | 25 | 30 | 35 | 40 | 50 | 60 | 67 | 80 | 100 | | | | | | | | | |
| 6 | φ10H7 | φ6d8 | φ6e7 | φ6f7 | φ16±0.25 | 2 | φ6 | φ10 | 0610 | 0612 | | | 0615 | | | | | | | | | | | | 1.5 x 15° | 1.0 x 10° | 6 | | | | | |
| 8 | φ12H7 | φ8d8 | φ8e7 | φ8f7 | φ20±0.25 | 2 | φ8 | φ12 | 0810 | 0812 | | | 0815 | | | | | | | | | | | | 0.75 x 15° | 1.0 x 10° | 8 | | | | | |
| 10 | φ14H7 | φ10d8 | φ10e7 | φ10f7 | φ22±0.25 | 2 | φ10 | φ14 | 1010 | 1012 | | | 1015 | 1017 | | 1020 | | | | | | | | | 0.75 x 15° | 1.0 x 10° | 10 | | | | | |
| 12 | φ18H7 | φ12d8 | φ12e7 | φ12f7 | φ25±0.25 | 3 | φ12 | φ18 | 1210 | 1212 | | | 1215 | | | 1220 | | 1225 | 1230 | | | | | | 2.0 x 15° | 2.0 x 10° | 12 | | | | | |
| 13 | φ19H7 | φ13d8 | φ13e7 | φ13f7 | φ26±0.25 | 3 | φ13 | φ19 | 1310 | 1312 | | | 1315 | | | 1320 | | 1325 | 1330 | | | | | | 2.0 x 15° | 2.0 x 10° | 13 | | | | | |
| 14 | φ20H7 | φ14d8 | φ14e7 | φ14f7 | φ27±0.25 | 3 | φ14 | φ20 | 1415 | | | | 1415 | | | 1420 | | 1425 | | | | | | | 2.0 x 15° | 2.0 x 10° | 14 | | | | | |
| 15 | φ21H7 | φ15d8 | φ15e7 | φ15f7 | φ28±0.25 | 3 | φ15 | φ21 | 1510 | 1512 | | | 1515 | | | 1520 | | 1525 | 1530 | | | | | | 2.0 x 15° | 2.0 x 10° | 15 | | | | | |
| 16 | φ22H7 | φ16d8 | φ16e7 | φ16f7 | φ29±0.25 | 3 | φ16 | φ22 | | 1612 | | | 1615 | | 1618 | 1620 | 1623 | 1625 | 1630 | 1635 | 1640 | | | | 2.0 x 15° | 2.0 x 10° | 16 | | | | | |
| 18 | φ24H7 | φ18d8 | φ18e7 | φ18f7 | φ32±0.25 | 3 | φ18 | φ24 | | | | | 1815 | | | 1820 | | 1825 | 1830 | 1835 | 1840 | | | | 2.0 x 15° | 2.0 x 10° | 18 | | | | | |
| 20 | φ30H7 | φ20d8 | φ20e7 | φ20f7 | φ40±0.25 | 5 | φ20 | φ30 | | | | | 2015 | | | 2020 | | 2025 | 2030 | 2035 | 2040 | | | | 2.0 x 15° | 2.0 x 10° | 20 | | | | | |
| 25 | φ35H7 | φ25d8 | φ25e7 | φ25f7 | φ45±0.25 | 5 | φ25 | φ35 | | | | | 2515 | | | 2520 | | 2525 | 2530 | 2535 | 2540 | 2550 | | | 2.5 x 15° | 2.5 x 10° | 25 | | | | | |
| 30 | φ40H7 | φ30d8 | φ30e7 | φ30f7 | φ50±0.25 | 5 | φ30 | φ40 | | | | | | | | 3020 | | 3025 | 3030 | 3035 | 3040 | 3050 | | | 3.0 x 15° | 3.0 x 10° | 30 | | | | | |
| 30 | φ40H7 | φ30d8 | φ30e7 | φ30f7 | φ60±0.25 | 5 | φ30 | φ40 | | | | | | | | | | | *3035F | | | | | | 3.0 x 15° | 3.0 x 10° | 30 | | | | | |
| 31.5 | φ40H7 | φ31.5d8 | φ31.5e7 | φ31.5f7 | φ50±0.25 | 5 | φ31.5 | φ40 | | | | | | | | 3120 | | 3130 | 3135 | 3140 | | | | | 3.0 x 15° | 3.0 x 10° | 31.5 | | | | | |
| 35 | φ45H7 | φ35d8 | φ35e7 | φ35f7 | φ60±0.25 | 5 | φ35 | φ45 | | | | | 3520 | | | 3525 | | 3530 | 3535 | 3540 | 3550 | | | | 3.0 x 15° | 3.0 x 10° | 35 | | | | | |
| 40 | φ50H7 | φ40d8 | φ40e7 | φ40f7 | φ65±0.25 | 5 | φ40 | φ50 | | | | | 4020 | | | 4025 | | 4030 | 4035 | 4040 | 4050 | | | | 3.0 x 15° | 3.0 x 10° | 40 | | | | | |
| 45 | φ55H7 | φ45d8 | φ45e7 | φ45f7 | φ70±0.25 | 5 | φ45 | φ55 | | | | | | | | | | 4530 | 4535 | 4540 | 4550 | 4560 | | | | 3.5 x 15° | 3.5 x 10° | 45 | | | | |
| 50 | φ60H7 | φ50d8 | φ50e7 | φ50f7 | φ75±0.25 | 5 | φ50 | φ60 | | | | | | | | | | 5030 | 5035 | 5040 | 5050 | 5060 | | | | 4.0 x 15° | 4.0 x 10° | 50 | | | | |
| 55 | φ65H7 | φ55d8 | φ55e7 | φ55f7 | φ80±0.25 | 5 | φ55 | φ65 | | | | | | | | | | | | | 5540 | | 5560 | | | | 4.0 x 15° | 4.0 x 10° | 55 | | | |
| 60 | φ75H7 | φ60d8 | φ60e7 | φ60f7 | φ90±0.25 | 7.5 | φ60 | φ75 | | | | | | | | | | | | | | 6040 | 6050 | 6060 | | 6080 | 4.0 x 15° | 4.0 x 10° | 60 | | | |
| 63 | φ75H7 | φ63d8 | φ63e7 | φ63f7 | φ85±0.25 | 7.5 | φ63 | φ75 | | | | | | | | | | | | | | | | | 6367 | 4.0 x 15° | 4.0 x 10° | 63 | | | | |
| 65 | φ80H7 | φ65d8 | φ65e7 | φ65f7 | φ95±0.25 | 7.5 | φ65 | φ80 | | | | | | | | | | | | | | | | | 6560 | 4.0 x 15° | 4.0 x 10° | 65 | | | | |
| 70 | φ85H7 | φ70d8 | φ70e7 | φ70f7 | φ105±0.25 | 7.5 | φ70 | φ85 | | | | | | | | | | | | | | | | | | 7050 | 4.0 x 15° | 4.0 x 10° | 70 | | | |
| 75 | φ90H7 | φ75d8 | φ75e7 | φ75f7 | φ110±0.25 | 7.5 | φ75 | φ90 | | | | | | | | | | | | | | | | | | | 7560 | 4.0 x 15° | 4.0 x 10° | 75 | | |
| 80 | φ100H7 | φ80d8 | φ80e7 | φ80f7 | φ120±0.25 | 10 | φ80 | φ100 | | | | | | | | | | | | | | | | | | | 8060 | 8080 | 80100 | 4.0 x 15° | 4.0 x 10° | 80 |
| 90 | φ110H7 | φ90d8 | φ90e7 | φ90f7 | φ130±0.25 | 10 | φ90 | φ110 | | | | | | | | | | | | | | | | | | | 9060 | 9080 | | 5.0 x 15° | 5.0 x 10° | 90 |
| 100 | φ120H7 | φ100d8 | φ100e7 | φ100f7 | φ150±0.40 | 10 | φ100 | φ120 | | | | | | | | | | | | | | | | | | | | 10080 | 100100 | 5.0 x 15° | 5.0 x 10° | 100 |
| 120 | φ140H7 | φ120d8 | φ120e7 | φ120f7 | φ170±0.40 | 10 | φ120 | φ140 | | | | | | | | | | | | | | | | | | | | 12080 | 120100 | 5.0 x 15° | 5.0 x 10° | 120 |

* 3035 F has lube also in the Flange part.

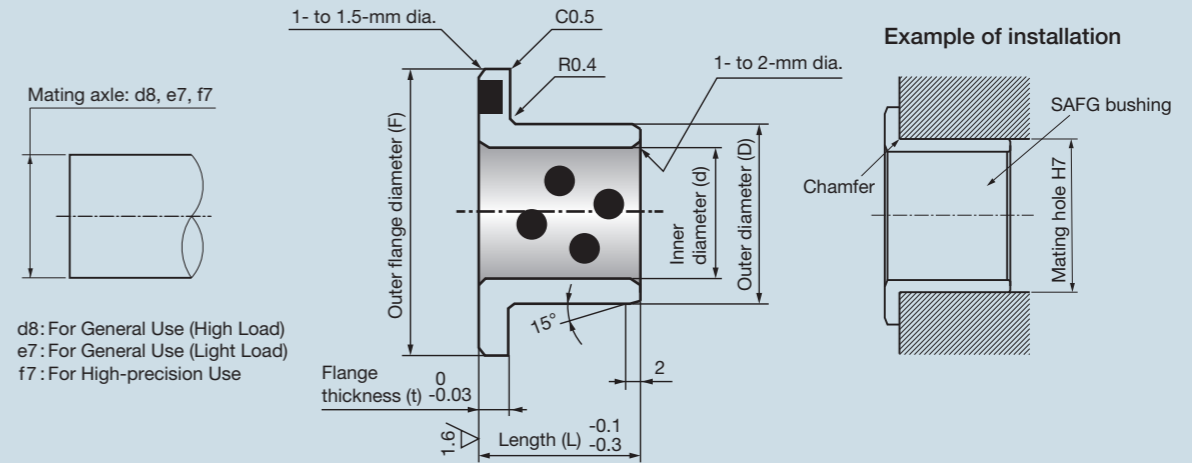
SAFG DAISLIDE SAFG Flanged Bushing (Bushing Inner Diameter: 6 to 50 mm)

Designation of Part Number



SAFG 0610

Please specify by part number.



- Suitable for applications with rotating, oscillating, or reciprocating motion.
- Capable of handling thrust loads simultaneously with just one bushing.

(Unit: mm)

| Bushing inner diameter | Recommended Dimension Mating Part | | | | Bushing Dimensions | | | | | | | Bushing inner diameter | | | | | |
|------------------------|---|--|--|--|---------------------------|--|--|--|---|-------------|-------------|------------------------|-------------|-------------|-------------|-------------|----|
| | Housing I.D. | Shaft Dia | | | Outer flange diameter (F) | Flange Thickness (t) | Inner diameter (d) | Outer diameter (D) | Part Number and Bushing Length Tolerance $\begin{matrix} -0.1 \\ -0.3 \end{matrix}$ | | | | | | | | |
| | | General Purpose (Heavy Load) | General Purpose (Light Load) | High Accuracy Purpose | | | | | 10 | 12 | 14 | | 15 | 20 | 25 | 35 | 45 |
| 6 | $\phi 10H7 \begin{matrix} +0.015 \\ 0 \end{matrix}$ | $\phi 6d8 \begin{matrix} -0.030 \\ -0.048 \end{matrix}$ | $\phi 6e7 \begin{matrix} -0.020 \\ -0.032 \end{matrix}$ | $\phi 6f7 \begin{matrix} -0.010 \\ -0.022 \end{matrix}$ | $\phi 20 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 6 \begin{matrix} +0.032 \\ +0.020 \end{matrix}$ | $\phi 10 \begin{matrix} +0.028 \\ +0.019 \end{matrix}$ | 0610 | 0612 | | | | | | | 6 |
| 8 | $\phi 12H7 \begin{matrix} +0.018 \\ 0 \end{matrix}$ | $\phi 8d8 \begin{matrix} -0.040 \\ -0.062 \end{matrix}$ | $\phi 8e7 \begin{matrix} -0.025 \\ -0.040 \end{matrix}$ | $\phi 8f7 \begin{matrix} -0.013 \\ -0.028 \end{matrix}$ | $\phi 25 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 8 \begin{matrix} +0.040 \\ +0.025 \end{matrix}$ | $\phi 12 \begin{matrix} +0.034 \\ +0.023 \end{matrix}$ | | 0812 | | 0815 | | | | | 8 |
| 10 | $\phi 14H7 \begin{matrix} +0.018 \\ 0 \end{matrix}$ | $\phi 10d8 \begin{matrix} -0.040 \\ -0.062 \end{matrix}$ | $\phi 10e7 \begin{matrix} -0.025 \\ -0.040 \end{matrix}$ | $\phi 10f7 \begin{matrix} -0.013 \\ -0.028 \end{matrix}$ | $\phi 25 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 10 \begin{matrix} +0.040 \\ +0.025 \end{matrix}$ | $\phi 14 \begin{matrix} +0.034 \\ +0.023 \end{matrix}$ | | 1012 | | 1015 | 1020 | | | | 10 |
| 12 | $\phi 18H7 \begin{matrix} +0.018 \\ 0 \end{matrix}$ | $\phi 12d8 \begin{matrix} -0.050 \\ -0.077 \end{matrix}$ | $\phi 12e7 \begin{matrix} -0.032 \\ -0.050 \end{matrix}$ | $\phi 12f7 \begin{matrix} -0.016 \\ -0.034 \end{matrix}$ | $\phi 30 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 12 \begin{matrix} +0.050 \\ +0.032 \end{matrix}$ | $\phi 18 \begin{matrix} +0.034 \\ +0.023 \end{matrix}$ | | 1212 | | 1215 | 1220 | 1225 | | | 12 |
| 13 | $\phi 19H7 \begin{matrix} +0.021 \\ 0 \end{matrix}$ | $\phi 13d8 \begin{matrix} -0.050 \\ -0.077 \end{matrix}$ | $\phi 13e7 \begin{matrix} -0.032 \\ -0.050 \end{matrix}$ | $\phi 13f7 \begin{matrix} -0.016 \\ -0.034 \end{matrix}$ | $\phi 30 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 13 \begin{matrix} +0.050 \\ +0.032 \end{matrix}$ | $\phi 19 \begin{matrix} +0.041 \\ +0.028 \end{matrix}$ | | 1312 | | 1315 | 1320 | 1325 | | | 13 |
| 15 | $\phi 21H7 \begin{matrix} +0.021 \\ 0 \end{matrix}$ | $\phi 15d8 \begin{matrix} -0.050 \\ -0.077 \end{matrix}$ | $\phi 15e7 \begin{matrix} -0.032 \\ -0.050 \end{matrix}$ | $\phi 15f7 \begin{matrix} -0.016 \\ -0.034 \end{matrix}$ | $\phi 35 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 15 \begin{matrix} +0.050 \\ +0.032 \end{matrix}$ | $\phi 21 \begin{matrix} +0.041 \\ +0.028 \end{matrix}$ | | 1512 | | 1515 | 1520 | 1525 | | | 15 |
| 16 | $\phi 22H7 \begin{matrix} +0.021 \\ 0 \end{matrix}$ | $\phi 16d8 \begin{matrix} -0.050 \\ -0.077 \end{matrix}$ | $\phi 16e7 \begin{matrix} -0.032 \\ -0.050 \end{matrix}$ | $\phi 16f7 \begin{matrix} -0.016 \\ -0.034 \end{matrix}$ | $\phi 35 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 16 \begin{matrix} +0.050 \\ +0.032 \end{matrix}$ | $\phi 22 \begin{matrix} +0.041 \\ +0.028 \end{matrix}$ | | 1612 | | 1615 | 1620 | 1625 | | | 16 |
| 18 | $\phi 24H7 \begin{matrix} +0.021 \\ 0 \end{matrix}$ | $\phi 18d8 \begin{matrix} -0.050 \\ -0.077 \end{matrix}$ | $\phi 18e7 \begin{matrix} -0.032 \\ -0.050 \end{matrix}$ | $\phi 18f7 \begin{matrix} -0.016 \\ -0.034 \end{matrix}$ | $\phi 40 \pm 0.25$ | $3 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 18 \begin{matrix} +0.050 \\ +0.032 \end{matrix}$ | $\phi 24 \begin{matrix} +0.041 \\ +0.028 \end{matrix}$ | | | 1814 | | 1820 | 1825 | | | 18 |
| 20 | $\phi 28H7 \begin{matrix} +0.021 \\ 0 \end{matrix}$ | $\phi 20d8 \begin{matrix} -0.065 \\ -0.098 \end{matrix}$ | $\phi 20e7 \begin{matrix} -0.040 \\ -0.061 \end{matrix}$ | $\phi 20f7 \begin{matrix} -0.020 \\ -0.041 \end{matrix}$ | $\phi 45 \pm 0.25$ | $5 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 20 \begin{matrix} +0.061 \\ +0.040 \end{matrix}$ | $\phi 28 \begin{matrix} +0.041 \\ +0.028 \end{matrix}$ | | | 2014 | | 2020 | 2025 | | | 20 |
| 25 | $\phi 33H7 \begin{matrix} +0.025 \\ 0 \end{matrix}$ | $\phi 25d8 \begin{matrix} -0.065 \\ -0.098 \end{matrix}$ | $\phi 25e7 \begin{matrix} -0.040 \\ -0.061 \end{matrix}$ | $\phi 25f7 \begin{matrix} -0.020 \\ -0.041 \end{matrix}$ | $\phi 50 \pm 0.25$ | $5 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 25 \begin{matrix} +0.061 \\ +0.040 \end{matrix}$ | $\phi 33 \begin{matrix} +0.050 \\ +0.034 \end{matrix}$ | | | 2514 | | 2520 | 2525 | | | 25 |
| 30 | $\phi 38H7 \begin{matrix} +0.025 \\ 0 \end{matrix}$ | $\phi 30d8 \begin{matrix} -0.065 \\ -0.098 \end{matrix}$ | $\phi 30e7 \begin{matrix} -0.040 \\ -0.061 \end{matrix}$ | $\phi 30f7 \begin{matrix} -0.020 \\ -0.041 \end{matrix}$ | $\phi 55 \pm 0.25$ | $5 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 30 \begin{matrix} +0.061 \\ +0.040 \end{matrix}$ | $\phi 38 \begin{matrix} +0.050 \\ +0.034 \end{matrix}$ | | | | | 3020 | 3025 | 3035 | | 30 |
| 35 | $\phi 44H7 \begin{matrix} +0.025 \\ 0 \end{matrix}$ | $\phi 35d8 \begin{matrix} -0.080 \\ -0.119 \end{matrix}$ | $\phi 35e7 \begin{matrix} -0.050 \\ -0.075 \end{matrix}$ | $\phi 35f7 \begin{matrix} -0.025 \\ -0.050 \end{matrix}$ | $\phi 65 \pm 0.25$ | $5 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 35 \begin{matrix} +0.075 \\ +0.050 \end{matrix}$ | $\phi 44 \begin{matrix} +0.050 \\ +0.034 \end{matrix}$ | | | | | 3520 | 3525 | 3535 | | 35 |
| 40 | $\phi 50H7 \begin{matrix} +0.025 \\ 0 \end{matrix}$ | $\phi 40d8 \begin{matrix} -0.080 \\ -0.119 \end{matrix}$ | $\phi 40e7 \begin{matrix} -0.050 \\ -0.075 \end{matrix}$ | $\phi 40f7 \begin{matrix} -0.025 \\ -0.050 \end{matrix}$ | $\phi 70 \pm 0.25$ | $7 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 40 \begin{matrix} +0.075 \\ +0.050 \end{matrix}$ | $\phi 50 \begin{matrix} +0.050 \\ +0.034 \end{matrix}$ | | | | | | 4025 | 4035 | 4045 | 40 |
| 50 | $\phi 62H7 \begin{matrix} +0.030 \\ 0 \end{matrix}$ | $\phi 50d8 \begin{matrix} -0.080 \\ -0.119 \end{matrix}$ | $\phi 50e7 \begin{matrix} -0.050 \\ -0.075 \end{matrix}$ | $\phi 50f7 \begin{matrix} -0.025 \\ -0.050 \end{matrix}$ | $\phi 90 \pm 0.25$ | $8 \begin{matrix} 0 \\ -0.03 \end{matrix}$ | $\phi 50 \begin{matrix} +0.075 \\ +0.050 \end{matrix}$ | $\phi 62 \begin{matrix} +0.060 \\ +0.041 \end{matrix}$ | | | | | | | 5035 | 5045 | 50 |

APPLICATION

MANUFACTURE

Polymer

Metallic

PLANNING

CORPORATE PROFILE

SPECIFICATION SHEET

APPLICATION

MANUFACTURE

Polymer

Metallic

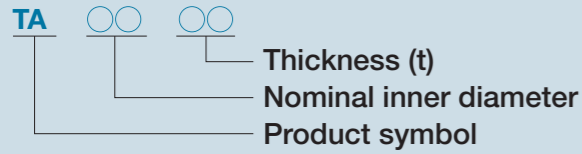
PLANNING

CORPORATE PROFILE

SPECIFICATION SHEET

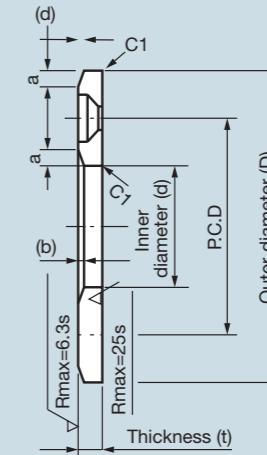
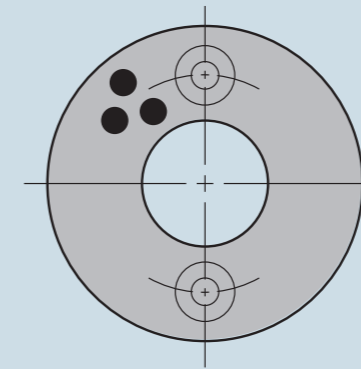
TA DAISLIDE TA Thrust Washer (Bushing Inner Diameter: 10.2 to 120.5 mm)

Designation of Part Number



TA 1003

Please specify by part number.



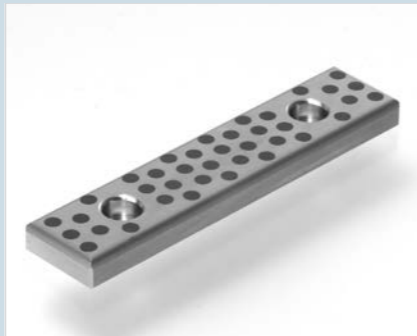
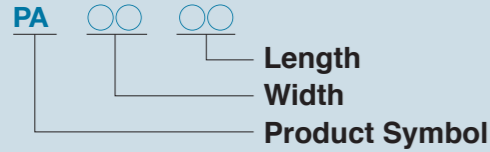
(Unit: mm)

| Dimensions(mm) | | Thickness (t) $-\frac{0}{-0.1}$ | | | | | Attachment hole | | | Chamfer | |
|--------------------|--------------------|---------------------------------|---------------|---------------|---------------|----------------|---------------------|------|------------------|---------|-----|
| Inner diameter (d) | Outer diameter (D) | 3 | 5 | 7 | 8 | 10 | P.C.D | Qty. | Countersunk bolt | a | b |
| 10.2 | 30 | TA1003 | | | | | 20 | 2 | M3 | 1.5 | 0.3 |
| 12.2 | 40 | TA1203 | | | | | 28 | 2 | M3 | 2 | 0.4 |
| 12.2 | 40 | TA1203N | | | | | No countersunk hole | | | 2 | 0.4 |
| 13.2 | 40 | TA1303 | | | | | 28 | 2 | M3 | 2 | 0.4 |
| 14.2 | 40 | TA1403 | | | | | 28 | 2 | M3 | 2 | 0.4 |
| 15.2 | 50 | TA1503 | | | | | 35 | 2 | M3 | 2 | 0.4 |
| 16.2 | 50 | TA1603 | | | | | 35 | 2 | M3 | 2 | 0.4 |
| 16.2 | 50 | TA1603N | | | | | No countersunk hole | | | 2 | 0.4 |
| 18.2 | 50 | TA1803 | | | | | 35 | 2 | M3 | 2 | 0.4 |
| 20.2 | 50 | | TA2005 | | | | 35 | 2 | M5 | 2.5 | 0.4 |
| 25.2 | 55 | | TA2505 | | | | 40 | 2 | M5 | 2.5 | 0.4 |
| 30.2 | 60 | | TA3005 | | | | 45 | 2 | M5 | 2.5 | 0.4 |
| 35.2 | 70 | | TA3505 | | | | 50 | 2 | M5 | 2.5 | 0.4 |
| 40.2 | 80 | | | TA4007 | | | 60 | 2 | M6 | 3 | 0.5 |
| 45.2 | 90 | | | TA4507 | | | 70 | 2 | M6 | 3 | 0.5 |
| 50.3 | 100 | | | | TA5008 | | 75 | 4 | M6 | 4 | 0.7 |
| 55.3 | 110 | | | | TA5508 | | 85 | 4 | M6 | 4 | 0.7 |
| 60.3 | 120 | | | | TA6008 | | 90 | 4 | M8 | 5 | 0.9 |
| 65.3 | 125 | | | | TA6508 | | 95 | 4 | M8 | 5 | 0.9 |
| 70.3 | 130 | | | | | TA7010 | 100 | 4 | M8 | 5 | 0.9 |
| 75.3 | 140 | | | | | TA7510 | 110 | 4 | M8 | 5 | 0.9 |
| 80.3 | 150 | | | | | TA8010 | 120 | 4 | M8 | 5 | 0.9 |
| 90.5 | 170 | | | | | TA9010 | 140 | 4 | M10 | 5 | 0.9 |
| 100.5 | 190 | | | | | TA10010 | 160 | 4 | M10 | 5 | 0.9 |
| 120.5 | 200 | | | | | TA12010 | 175 | 4 | M10 | 5 | 0.9 |

*Base metal is high-strength phosphor bronze.

PA DAISLIDE PA plate

Designation of Part Number



Pb Free

RoHS

ELV

PA 1875

Please specify by part number.

| Part Number | Width | Length | Mounting-Hole Pitch | | | | | Mounting-Hole Bolt | |
|----------------|---------------------------------|----------------------------------|---------------------|-----|----|----|----|----------------------------|----------|
| | W | | a | b | c | d | e | Bolt Type | Quantity |
| PA1875 | 18 ⁰ _{-0.2} | 75 ⁰ _{-0.2} | 15 | 45 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA18100 | | 100 ⁰ _{-0.2} | 25 | 50 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA18125 | | 125 ⁰ _{-0.2} | 25 | 75 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA18150 | | 150 ⁰ _{-0.2} | 25 | 100 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA2875 | 28 ⁰ _{-0.2} | 75 ⁰ _{-0.2} | 15 | 45 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA28100 | | 100 ⁰ _{-0.2} | 25 | 50 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA28125 | | 125 ⁰ _{-0.2} | 25 | 75 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA28150 | | 150 ⁰ _{-0.2} | 25 | 100 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA35100 | 35 ⁰ _{-0.2} | 100 ⁰ _{-0.2} | 20 | 60 | | | | M8 Machine Screw | 2 |
| PA35150 | | 150 ⁰ _{-0.2} | 20 | 55 | 55 | | | M8 Machine Screw | 3 |
| PA35200 | | 200 ⁰ _{-0.3} | 20 | 55 | 50 | 55 | | M8 Machine Screw | 4 |
| PA35250 | | 250 ⁰ _{-0.3} | 20 | 70 | 70 | 70 | | M8 Machine Screw | 4 |
| PA35300 | | 300 ⁰ _{-0.3} | 20 | 65 | 65 | 65 | 65 | M8 Machine Screw | 5 |
| PA35350 | | 350 ⁰ _{-0.3} | 20 | 80 | 75 | 75 | 80 | M8 Machine Screw | 5 |
| PA3875 | 38 ⁰ _{-0.2} | 75 ⁰ _{-0.2} | 15 | 45 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA38100 | | 100 ⁰ _{-0.2} | 25 | 50 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA38125 | | 125 ⁰ _{-0.2} | 25 | 75 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA38150 | | 150 ⁰ _{-0.2} | 25 | 100 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA4875 | 48 ⁰ _{-0.2} | 75 ⁰ _{-0.2} | 15 | 45 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA48100 | | 100 ⁰ _{-0.2} | 25 | 50 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA48125 | | 125 ⁰ _{-0.2} | 25 | 75 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA48150 | | 150 ⁰ _{-0.2} | 25 | 100 | | | | M6 Hexagon-Socket Head Cap | 2 |
| PA50100 | 50 ⁰ _{-0.2} | 100 ⁰ _{-0.2} | 20 | 60 | | | | M8 Machine Screw | 2 |
| PA50150 | | 150 ⁰ _{-0.2} | 20 | 55 | 55 | | | M8 Machine Screw | 3 |
| PA50200 | | 200 ⁰ _{-0.3} | 20 | 55 | 50 | 55 | | M8 Machine Screw | 4 |
| PA50250 | | 250 ⁰ _{-0.3} | 20 | 70 | 70 | 70 | | M8 Machine Screw | 4 |
| PA50300 | | 300 ⁰ _{-0.3} | 20 | 65 | 65 | 65 | 65 | M8 Machine Screw | 5 |
| PA50400 | | 400 ⁰ _{-0.5} | 20 | 90 | 90 | 90 | 90 | M8 Machine Screw | 5 |

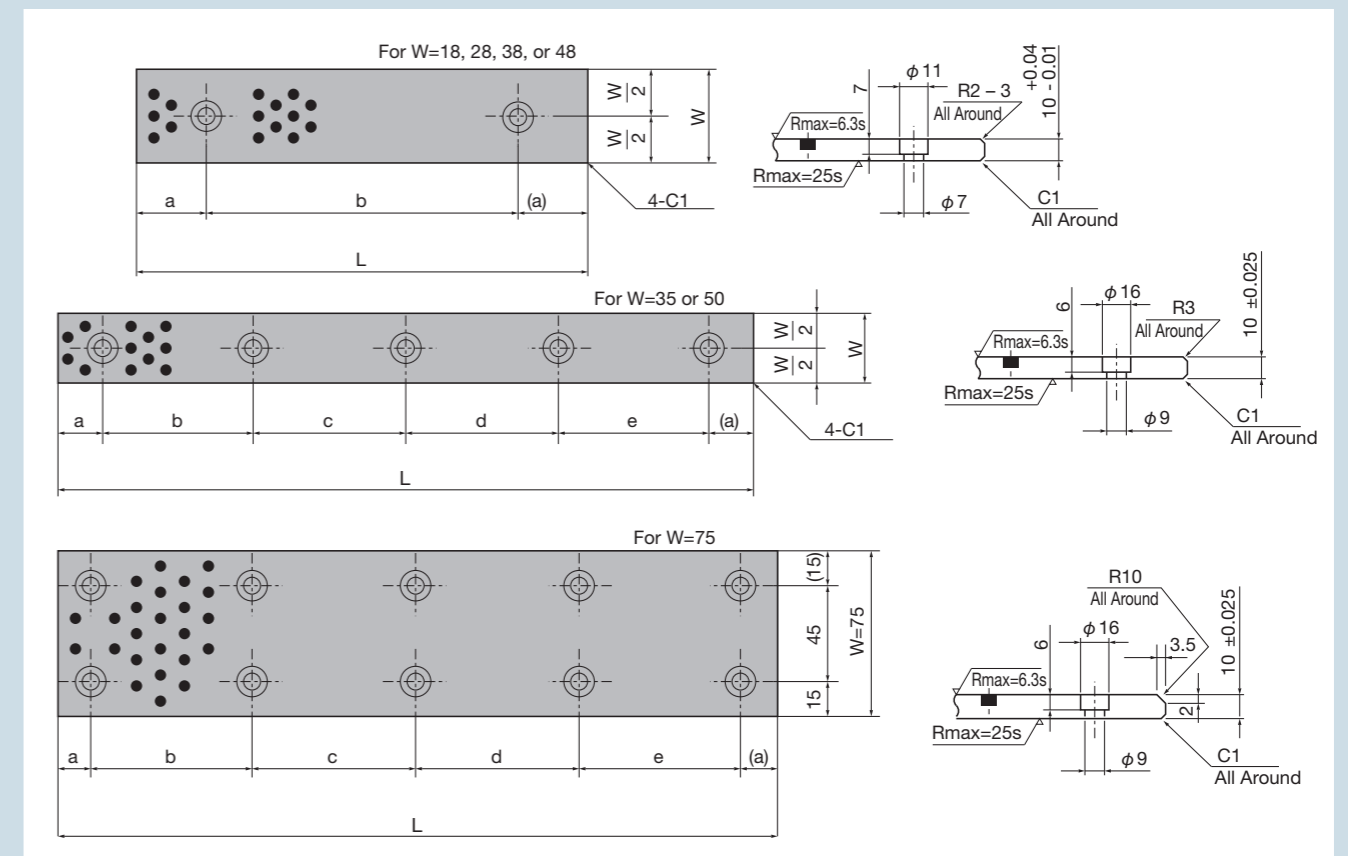
*Base metal is high-strength phosphor bronze.

(Unit: mm)

| Part Number | Width | Length | Mounting-Hole Pitch | | | | | Mounting-Hole Bolt | |
|----------------|---------------------------------|----------------------------------|---------------------|-----|-----|-----|-----|--------------------|----------|
| | W | | a | b | c | d | e | Bolt Type | Quantity |
| PA75150 | 75 ⁰ _{-0.2} | 150 ⁰ _{-0.2} | 20 | 110 | | | | M8 Machine Screw | 4 |
| PA75200 | | 200 ⁰ _{-0.3} | 20 | 80 | 80 | | | M8 Machine Screw | 6 |
| PA75250 | | 250 ⁰ _{-0.3} | 20 | 105 | 105 | | | M8 Machine Screw | 6 |
| PA75300 | | 300 ⁰ _{-0.5} | 20 | 85 | 90 | 85 | | M8 Machine Screw | 8 |
| PA75400 | | 400 ⁰ _{-0.5} | 20 | 120 | 120 | 120 | | M8 Machine Screw | 8 |
| PA75500 | | 500 ⁰ _{-0.5} | 20 | 115 | 115 | 115 | 115 | M8 Machine Screw | 10 |

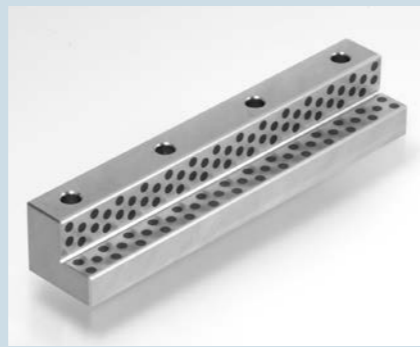
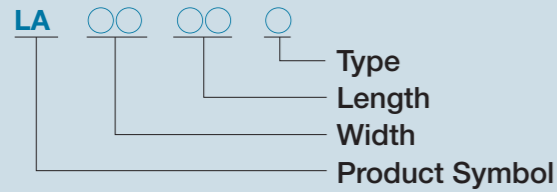
*Base metal is high-strength phosphor bronze.

•PA Plate Standard Part Configuration



LA DAISLIDE L-Shaped

Designation of Part Number



Pb Free

RoHS

ELV

LA 26100C

Please specify by part number.

(Unit: mm)

| Part Number | Type | Length L | Assembling Hole Pitch | | | | Assembling Bolt | |
|-------------|--------|-------------|-----------------------|----|----|----|-----------------|------|
| | | | a | b | c | d | Bolt Dia | Q'ty |
| LA26100C | Type C | 100 | 60 | | | | M8 | 2 |
| LA26150C | Type C | 150 | 55 | 55 | | | M8 | 3 |
| LA26200C | Type C | 200 | 55 | 50 | 55 | | M8 | 4 |
| LA32100B | Type B | 100 | 60 | | | | M10 | 2 |
| LA32150B | Type B | 150 | 55 | 55 | | | M10 | 3 |
| LA32200B | Type B | 200 | 55 | 50 | 55 | | M10 | 4 |
| LA32250B | Type B | 250 | 70 | 70 | 70 | | M10 | 4 |
| LA50200A | Type A | 200 | 55 | 50 | 55 | | M10 | 4 |
| LA50250A | Type A | 250 | 70 | 70 | 70 | | M10 | 4 |
| LA50300A | Type A | 300 | 65 | 65 | 65 | 65 | M10 | 5 |
| LA50350A | Type A | 350 | 80 | 75 | 75 | 80 | M10 | 5 |

*Base metal is high-strength phosphor bronze.

•Shape of Standard LA Plate Product

