### SF-1/SF-1W, DU Self-lubricating Bearing

SF-1(SF-1W, without lead Pb) is a wrapped bearing made of triple layer composites: low-carbon steel as base, porous bronze interlayer and PTFE surface layer.

The products are widely used in machinery industry, such as auto machines, pumps, plastic injection machines, lifting equipments, mining machinery, construction machines, etc.

**Features:**
1. Low friction coefficient,
2. Anti-wear and anti-corrosion
3. Able to be used without oil
4. Low vibration, low noise, compact and light
5. Working temperature range: -195°C~+280°C
6. Size from 0606 to 150100

**Specifications:**
- Max. dynamic loading capacity : 140N/mm²
- Max. static loading capacity : 250N/mm²
- Max. linear speed : 5.0m/s
- Friction coefficient : 0.04~0.20
- Max. PV(N/mm² • m/s) : 3.6(Dry) ; 50(Oil)

**Remarks:**
1. When sending us inquiries please including model No., Qty., and other requirements.
2. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.
SF-1T/SF-1TW, Self-lubricating Gear pump Bearing

SF-1T(SF-1TW, without lead Pb) is proved from SF-1 and special designed for hydraulic pressure gear pumps. It is wrapped bearing made of triple layer composites: low-carbon steel as base, porous bronze interlayer and PTFE surface layer.

The products are widely used in machinery industry, such as medium and high pressure gear oil pumps, vane pumps, ram pumps, etc.

<table>
<thead>
<tr>
<th>Features:</th>
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<tbody>
<tr>
<td>1. Low friction coefficient,</td>
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<tr>
<td>2. Anti-wear and anti-corrosion</td>
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<tr>
<td>3. Able to be used without oil</td>
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<tr>
<td>4. Low vibration, low noise, compact and light</td>
</tr>
<tr>
<td>5. Working temperature range: -195°C~+280°C</td>
</tr>
<tr>
<td>6. Size from 0606 to 150100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Specifications:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. dynamic loading capacity : 140N/mm²</td>
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<tr>
<td>Max. static loading capacity : 250N/mm²</td>
</tr>
<tr>
<td>Max. linear speed(dry) : 2m/s</td>
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<tr>
<td>Max. linear speed(Oil) : 10m/s</td>
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<tr>
<td>Friction coefficient : 0.03~0.18</td>
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<tr>
<td>Max. PV(N/mm² • m/s) : 3.6(Dry) ; 60(Oil)</td>
</tr>
</tbody>
</table>

Remarks:
3. When sending us inquiries please including model No., Qty., and other requirements.
4. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.
Oilless Bearing Bush
SF-1P, Reciprocating Motion Bearing

SF-1P is special designed for reciprocating motion. It is wrapped bearing made of triple layer composites: galvanized copper surface, low-carbon steel as base, porous bronze interlayer and PTFE surface layer.

The products are widely used in shock absorber of motorcycles and various hydraulic cylinders, hydraulic motors and pneumatic elements, etc.

Features:
1. Low friction coefficient,
2. Anti-wear and anti-corrosion
3. It is particularly suitable for bushes in reciprocating motion
4. Low vibration, low noise, compact and light
5. Working temperature range: -195°C~+270°C
6. Size from 0606 to 150100

Specifications:
Max. dynamic loading capacity : 140N/mm²
Max. static loading capacity : 250N/mm²
Max. linear speed (dry) : 2m/s
Max. linear speed (Oil) : 2.5m/s
Friction coefficient : 0.04~0.20
Max. PV(N/mm² • m/s) : 3.6(Dry) ; 50(Oil)

Remarks:
5. When sending us inquiries please including model No., Qty., and other requirements.
6. Any question please consult us by email or MSN (aluobb@hotmail.com) or phone first.
Oilless Bearing Bush
SF-1B/SF-1BW, Bronze Self-lubricating Bearing

SF-1B (SF-1BW, without lead Pb) is wrapped bearing made of triple layer composites:
high-density copper alloy as base, porous bronze interlayer and PTFE surface layer.

The products are widely used in machinery industry, such as metallurgical industry, continuous casting and rolling mill, concrete machinery and spiral conveyer, etc.

Features:
1. Well self-lubricating
2. Anti-wear and anti-corrosion
3. Continuous working
4. Low vibration, low noise, compact and light
5. Working temperature range: -195°C~+270°C
6. Size from 0606 to 150100

Specifications:
Max. dynamic loading capacity : 140N/mm²
Max. static loading capacity : 250N/mm²
Max. linear speed(Oil) : 5.0m/s
Friction coefficient : 0.04~0.18
Max. PV(N/mm² · m/s) : 4.3(Dry); 60(Oil)

Remarks:
7. When sending us inquiries please including model No., Qty., and other requirements.
8. Any question please consult us by email or MSN (aluobb@hotmail.com) or phone first.
**Oilless Bearing Bush**

SF-1S/SF-1SW Stainless steel Self-lubricating Bearing

SF-1S (SF-1SW, without lead Pb) is specially designed for corrosible environments. It is made of triple layer composites: stainless steel as base, porous bronze interlayer and PTFE surface layer.

The products are widely used in machinery industry, such as the corrosion resistant part in dyeing machinery and ocean industry, etc.

### Features:
1. Well self-lubricating
2. Anti-wear and anti-corrosion
3. Able to be used in strong acid corrosible environments
4. Low vibration, low noise, compact and light
5. Working temperature range: -195°C~+280°C
6. Size from 0606 to 150100

### Specifications:
- Max. dynamic loading capacity: 140N/mm²
- Max. static loading capacity: 250N/mm²
- Max. linear speed (Oil): 4.5m/s
- Friction coefficient: 0.04~0.20
- Max. PV (N/mm² • m/s): 3.6(Dry); 1.8(Oil)

### Remarks:
9. When sending us inquiries please including model No., Qty., and other requirements.
10. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.
SF-2(SF-2Y,without lead) is made of triple layer composites:
Low-carbon steel as base, porous bronze interlayer, POM&Pb(or non-Pb mixture) surface layer.

The products are widely used in machinery industry, such as auto machines, punch machine, forging and pressing machine, vehicle chassis, lifting equipments, mining machinery, steel industry, etc.

Features:
1. It fits for low speed, heavy duty
2. Well anti-wear
3. Low vibration, low noise, compact and light
4. Working temperature range: -40°C~+110°C
5. Size from 1010 to 250100

Specifications:
- Max. dynamic loading capacity : 140N/mm²
- Max. static loading capacity : 250N/mm²
- Max. linear speed : 2.5m/s
- Friction coefficient : 0.05~0.25
- Max. PV(N/mm² • m/s) : 2.8(Oil lubricating)

Remarks:
11. When sending us inquires please including model No., Qty., and other requirements.
12. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.
SJ-1(JF series) is made of duple layer composites:
Quality low-carbon steel as base, and multi-times rolled porous copper alloy surface layer.

The products are special designed for heavy duty, such as auto engines, transmission gearbox, construction machinery, agriculture machinery, etc.

Features:
1. High fatigue and impact bearing capacity
2. High loading capacity
3. Lubricating grooves design
4. Working temperature range: -40°C~+250°C
5. Size from 1010 to 14890/143100

<table>
<thead>
<tr>
<th>Material code</th>
<th>Standard</th>
<th>Alloy hardness</th>
</tr>
</thead>
<tbody>
<tr>
<td>JF800</td>
<td>JIS-LBC3/SAE-797</td>
<td>HB70-100</td>
</tr>
<tr>
<td>JF720</td>
<td>JIS-LBC6/SAE-799</td>
<td>HB45-70</td>
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<tr>
<td>JF700</td>
<td>JIS-KJ3/SAE-8</td>
<td>HB30-45</td>
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<tr>
<td>JF20</td>
<td>JIS-AJL/SAE-783</td>
<td>HB30-40</td>
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</table>

Specifications:
Max. static loading capacity: 150N/mm²
Max. linear speed: 5m/s
Friction coefficient: 0.06~0.14
Max. PV(N/mm²·m/s): 2.8(Grease lubricating)
Sapphire fatigue class: 125MPa

Remarks:
13. When sending us inquiries please including model No., Qty., and other requirements.
14. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.
Oilless Bearing Bush
FB090 Wrapped/Morrison Bronze Bearing

This series products are based on special high density homogenous copper alloy. The inner surface is rolled to diamond or half-ball shape lubrication grooves. They are in high density, good load capacity and wear-resistant.

The products are widely used in machinery industry, such as auto machines, pumps, plastic injection machines, lifting equipments, mining machinery, construction machines, etc.

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<tr>
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<td>1. Minim oil lubrication, able to be applied in water-lubrication environment</td>
</tr>
<tr>
<td>2. Good anti-abrasion, low friction coefficient</td>
</tr>
<tr>
<td>3. Working temperature range: -100°C~+200°C</td>
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<td>4. Size from 1010 to 155100</td>
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<tr>
<td>Max. static loading capacity : 120N/mm²</td>
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<tr>
<td>Max. linear speed :</td>
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<tr>
<td>Friction coefficient :</td>
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<tr>
<td>Yieid Strength :</td>
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<tr>
<td>Hardness :</td>
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<tr>
<td>2m/s</td>
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<tr>
<td>0.08~0.25</td>
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<tr>
<td>HB110~150</td>
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<tr>
<td>250N/mm²</td>
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Remarks:
15. When sending us inquires please including model No., Qty., and other requirements.
16. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.
Oilless Bearing Bush
FB092 Wrapped Bronze Bearing

This series of products are improved from FB090 series. The inner surface is evenly formed lubrication holes. When in assembling, oil or grease should be pre-stored in the holes before bushing is sealed from both ends. They are in lower lubricating frequency and better wear-resistant.

The products are widely used in machinery industry, such as auto machines, pumps, plastic injection machines, lifting equipments, mining machinery, construction machines, etc.

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<td>Yieid Strength : 250N/mm²</td>
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18. Any question please consult us by email or MSN (aluobb@hotmail.com) or phone first.
Oilless Bearing Bush
JDB-1 solid lubricating bearing

This series of products are made of strong cast brass with graphite lubricating. The base brass can withstand high load and the solid lubricants will provide self-lubricating when using.

The products are widely used in machinery industry, such as casting machine, mining machinery, shipping, steam turbine, etc.

Features:
1. Without pre-lubrication required
2. Able to working under extreme high/low temperature with low speed
3. Working temperature range: -100°C~+300°C
4. Normal size from 1015 to 120100; flanged size from 101415 to 101420

Specifications:
Max. dynamic loading capacity : 100N/mm²
Max. static loading capacity : 250N/mm²
Max. linear speed : 0.3m/s(dry),1.0m/s(oil)
Friction coefficient : 0.03~0.20
Hardness : HB>200
Tensile Strength : 750N/mm²
Max. PV : 1.65N/mm² • m/s

Remarks:
19. When sending us inquires please including model No., Qty., and other requirements.
20. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.
Oilless Bearing Bush
FU Sintered Bronze Bearing

This bushing is made of high pressure mold pressed brass or iron powder and then sintered under high temperature, the lubricating oil is soaked into the homogeneously tiny pores of the metal in vacuum processing.

The products are mainly used in house electric appliances, power tools, textiles machinery, chemical industry, and auto industry

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<tbody>
<tr>
<td>1. Able to withstand dry condition in medium speed and low load for short time</td>
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<tr>
<td>2. It is cheap and stable in dimension.</td>
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<tr>
<td>3. Working temperature range: -60°C ~+200°C</td>
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<tr>
<td>4. Size from</td>
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<tbody>
<tr>
<td>Max. loading capacity :</td>
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<tr>
<td>150N/mm²</td>
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<tr>
<td>Max. sliding speed :</td>
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<tr>
<td>2.5m/s</td>
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<tr>
<td>Max. PV :</td>
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<tr>
<td>2.45N/mm² • m/s</td>
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Remarks:
21. When sending us inquires please including model No., Qty., and other requirements.
22. Any question please consult us by email or MSN (aluobb@hotmail.com) or phone first.
Oilless Bearing Bush  
FZ Ball Cage Retainer

This product is made of copper (FZH) or aluminum (FZL) or POM resin (FZP) base material and well arranged steel balls.

The products are widely used in machinery industry, such as cold punching mold, precision machine tools, etc.

Features:
1. Quite low friction coefficient
2. Able to move in both radial and axial directions
3. High precision, can working in high speed
4. Normal size from 1950 to 80130

Specifications:
Max. loading capacity : 30N/mm²  
Max. sliding speed : 6m/s  
Friction coefficient : 0.01–0.08  
Shrink fit : 0.01–0.002mm  
Tolerance of steel ball dia. : <0.002mm

Remarks:
23. When sending us inquires please including model No., Qty., and other requirements.
24. Any question please consult us by email or MSN (aluo_bb@hotmail.com) or phone first.