**Idler Sprockets**

Single Bearing / Double Bearing

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**When Using Idlers**

Chains are often used in applications that have impact load or reversing operation. Installing the idler on the tension side unnecessarily increases the chain tension and makes its service life shorter. Ensure that load applied to the idler does not exceed max allowable load. This idler pin is not designed for applications that have impact load in reversing operation.

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Refer to the engineering diagrams below for more information on the installation and use of idlers and sprockets.

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**Details about Selection Procedure**

Combination of these use examples can be found in the link: [Selection Procedure EP01](http://example.com/selproc)

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**Con FIGURE Online**

Ensure that load applied to the idler does not exceed max allowable load.

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**For Pricing and Days to Ship**

Please configure online.

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**Part Number - A - B**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPS0005</td>
<td>16</td>
<td>35</td>
</tr>
</tbody>
</table>

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**When Using Idlers**

1. Ideal gap distance between shaft: 1/8” (20mm) for high-speed system, 1/4” (40mm) for medium speed; 1/2” (50mm) for heavy-duty system.
2. For reversing operation (with idler(s) on both sides of the chain) chain is longer than the other side.
3. Chain length is long on multi-shaft transmission.
4. The chain causes strong vibration.
5. The chain is long on multi-shaft transmission.

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**Double Bearings**

- DRCW
- DRCS
- DRJC
- DRJ

---

**Single Bearing**

- DRC
- DRJ

---

**Idler Sprockets**

- Type: Stainless Steel
- Surface Treatment: Stainless Steel

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**Idler Pins**

- Type: Stainless Steel
- Surface Treatment: Stainless Steel

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**Part Number - Type - No.**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDPS0005</td>
<td>IDPS</td>
<td>35</td>
</tr>
</tbody>
</table>

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**Max Allowable Load**

- Max Allowable Load: 500 N

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**Machine Base, etc.**

- Machine Base: 500 N
- Machine Base: 500 N

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**For Contingent Shaft under large load (EP771-794)**

- For Contingent Shaft under large load (EP771-794)

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**For Con FIGURE Online**

- For Con FIGURE Online

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**Con FIGURE Online**

- For Con FIGURE Online