Mounted Units Tailored for the Baggage Handling Industry

Airport travelers expect their baggage to arrive on time and in good condition. Even a small problem with an airport’s baggage handling system can cause delays and frustration. Customers have been known to avoid airports with unreliable baggage handling systems.

Airport equipment manufacturers and suppliers demand the absolute highest standard in continuous operation and uptime. It’s critical that the bearings on a baggage handling system are of the highest quality and provide smooth and continuous operation.

Approved by leading engineering design companies, PEER Bearing is recognized as the standard for baggage handling systems. PEER Bearing has risen to be a top tier bearing supplier to many global industrial companies. We provide quick service and available product to meet the tight design-build schedules of baggage handling equipment suppliers and the immediate needs of airport maintenance groups. With strategically located sales, engineering and global warehouses, PEER’s logistic teams ensures your products are available and delivered on time.
Baggage Handling Mounted Unit Ball Bearings

**NYLON RETAINER RING**  
- Designed to accommodate misalignment and extend bearing life

**GRADE 10 BALLS**  
- Provides smooth quiet operation

**SEALS**  
- High quality nitrile rubber seals provide extended life  
- Low drag  
- Optimized seal geometry for superior contaminant exclusion and grease retention  
- Mechanically staked heavy gauge steel shrouds provide seal stability

**HOUSING**  
- Manufactured from high strength ASTM Grade 30 cast iron  
- Machined groove in housing face to accept polymer protective end cap  
- Lubed for life or relubricable options available

**BEARING INSERT**  
- High quality through hardened bearing steel improves fatigue life  
- Precision ground and superfinished raceway reduces vibration and extends life  
- Multiple locking options available (see below)

**OPTIONAL END CAP**  
- High visibility  
- Durable polymer material  
- Designed to securely snap into machined groove in housing to protect from incidental contact with rotating shaft and bearing  
- Available in sizes to accommodate from $\frac{3}{4}$” (20mm) to $2\frac{7}{16}$” (60mm) shaft sizes

**SLINGER**  
- Protects rubber seal from large particle contaminants

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### Part Number Nomenclature

**BEARING TYPE**

<table>
<thead>
<tr>
<th>Bearing Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| UC (UC) | Dual Set Screw Lock  
- Bi-directional: Two direction rotation  
- Optimized set screw angle provides superior shaft hold  
- Internal knurled cup point set screws for superior shaft grip  
- Nylon patch reduces loosening of set screws in high vibration |
| HC (HC) | Eccentric Lock Collar  
- Uni-directional: Single direction rotation  
- Positive shaft lock that continues to tighten during rotation  
- Full width inner ring offers increased shaft support and less misalignment as compared to narrow lock collar bearings |
| GR (GR) | GRIP-IT™ Plus Lock  
- Bi-directional: Two direction rotation  
- Concentric shaft holding reduces noise and vibration  
- Keeper screws secure collar to bearing  
- Black oxide plating resists corrosion  
- One step tightening for ease of assembly |

**BEARING SHAFT SIZE**

<table>
<thead>
<tr>
<th>Shaft Size</th>
<th>Value</th>
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<tbody>
<tr>
<td>UC FT 207-23 BH</td>
<td>BH (Baggage Handling)</td>
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<tr>
<td>207 - 23</td>
<td>$1\frac{7}{16}$</td>
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<tr>
<td>209 - 27</td>
<td>$1\frac{3}{16}$</td>
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<tr>
<td>210 - 31</td>
<td>$1\frac{5}{16}$</td>
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<td>211 - 35</td>
<td>$2\frac{7}{16}$</td>
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</table>

**CASTING STYLE**

- FB (3-Bolt Flange Bracket)  
- T (Take-up Unit)  
- FT (2-Bolt Flange for UC & GR Bearings)  
- FTS (2-Bolt Flange for HC Bearings)  
- F (4-Bolt Flange for UC & GR Bearings)  
- FS (4-Bolt Flange for HC Bearings)
## 2-Bolt Flange Unit Specifications

<table>
<thead>
<tr>
<th>SIZE</th>
<th>DIMENSIONS MM/ (IN.)</th>
<th>FT Series Bolt Size (in.)</th>
<th>FTS Series Bolt Size (in.)</th>
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<tr>
<td>207</td>
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<td>12.000 (0.472&quot;)</td>
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<td>209</td>
<td>188.10 (7.406&quot;)</td>
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Protective end caps sold separately.

## 3-Bolt Flange Bracket Unit Specifications

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<td>209</td>
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<tr>
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<td>190.50 (7.500&quot;)</td>
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Protective end caps sold separately.
4-Bolt Flange Unit Specifications

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<th>SIZE</th>
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<th>e (IN)</th>
<th>g (IN)</th>
<th>g1 (IN)</th>
<th>l (IN)</th>
<th>t (IN)</th>
<th>s (IN)</th>
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Protective end caps sold separately

Take-Up Unit Specifications

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<th>p (IN)</th>
<th>q (IN)</th>
<th>s (IN)</th>
<th>b (IN)</th>
<th>K (IN)</th>
<th>e (IN)</th>
<th>a (IN)</th>
<th>w (IN)</th>
<th>j (IN)</th>
<th>l (IN)</th>
<th>r (IN)</th>
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<th>zz (IN)</th>
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Protective end caps sold separately

Protective End Cap Specifications

Closed

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<th>PART NUMBER</th>
<th>SIZE</th>
<th>DIMENSIONS MM / (IN)</th>
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<tbody>
<tr>
<td>DC-207-MHE</td>
<td>207</td>
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<tr>
<td>DC-209-MHE</td>
<td>209</td>
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<td>DC-210-MHE</td>
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<td>DC-211-MHE</td>
<td>211</td>
<td>116.00 (4.567&quot;)</td>
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</table>

Open

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>SIZE</th>
<th>DIMENSIONS MM / (IN)</th>
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<tbody>
<tr>
<td>DC-207-MHE-OPEN</td>
<td>207</td>
<td>76.00 (2.992&quot;)</td>
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<tr>
<td>DC-209-MHE-OPEN</td>
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<td>92.00 (3.622&quot;)</td>
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<tr>
<td>DC-210-MHE-OPEN</td>
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<tr>
<td>DC-211-MHE-OPEN</td>
<td>211</td>
<td>116.00 (4.567&quot;)</td>
</tr>
</tbody>
</table>

Shaft can protrude 6.35mm (0.25") from bearing inner ring without interfering with cap.
PEER® Bearing offers

• A wide range of agricultural, radial, mounted unit ball bearings, and tapered roller bearings

• Valued bearing solutions for agricultural, electrical, fluid, HVAC, industrial transmission, material handling and off-highway applications

• ISO/TS 16949 certified production facilities

• Dedicated Research and Development center

• Global application and customer support

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