

Air cargo ball transfer units from SKF



Common applications

- Air cargo deck
- Storage & loading equipment
- Material handling



Air cargo loader



Ball deck



Cargo dolly trailer

Ball transfer units from SKF are designed specifically for air cargo applications. To find out how ball transfer units can help you attain maximum efficiency and smooth running, contact your SKF representative.

User benefits

- Designed for harsh environments
- Heavy duty units designed for high load capacity
- Most designs include dirt exit holes for smooth operation and longer life
- Low friction, multi-directional movement
- Ease of accurate placement
- Stainless steel units are corrosion resistant
- Local inventory for quick delivery

Product features

- Heavy duty construction
- Available in stainless steel
- Assembled with no seal for low friction (excluding BT-808 series)
- Knife edge seal resists ingress of dirt and debris (BT-808 series only)
- Unique design allows unit to be cleaned or replaced onsite (BT-806 series only)



Ball transfer unit styles for air cargo loaders and ball decks



Flange Fixing – BT-3274 Series

These pressed units, known as “flying saucer,” can be installed with pop rivets or sheet metal screws. Available in ball types 13, 15 & 16.



Spring Clip Fixing – BT-1030 Series

This unit incorporates a spring clip in the housing, enabling the unit to be easily fitted and replaced. Maximum plate thickness is 5mm (0.196”). Available in ball types 13, 15 & 16.



Heavy Duty – BT-805, BT-806, BT-807 and BT-808 Series

Developed specifically for use in air cargo handling systems, these units are designed to operate in the most severe working conditions. Ball units supplied with multi dirt exit or slotted holes for low maintenance and smoother rolling. CL-14 fixing clip is recommended for installation. Fixing clips sold separately. Available in ball types 13, 15 & 16.

Ball transfer installation for heavy duty units.



Insert CL-14 fixing clip into seating hole.



Insert ball unit into seating hole. The CL-14 clip will increase the ball height slightly.



Secure ball unit in place with installation tool. Tool available via special order.

Ball type material For air cargo applications

Type	Load ball	Support balls	Housing
13	Carbon steel 60-66RC	Carbon steel 60-66RC	Ferrous steel Bright zinc plated
15	Stainless steel AISI 420 52-58RC	Stainless steel AISI 420 52-58RC	Stainless steel AISI 303/AISI 304 self color
16	Stainless steel AISI 420 52-58RC	Stainless steel AISI 420 52-58RC	Ferrous steel Bright zinc plated



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