HX Series 30 mm and 40 mm

Deep-groove ball bearing idlers

HX series deep-groove ball bearing idlers are available for CEMA D and CEMA E applications. 2RS bearings are standard. Open bearings are available. Consult your sales representative for the idler roll that will best meet your individual requirements.

The back seal allows for a larger grease reservoir for open bearing rolls.
**HX-30 series**

45 Deg. impact troughing idler  
Tapered roller bearing  
6” Dia. 78AH648-BW

**V-return idler**  
5” Dia. 64A528-BW  
6” Dia. 64A628-BW

**Return roll**  
5” Dia. 64A510-BW  
6” Dia. 64A610-BW

**Transition idler**  
5” Dia. 64A559-BW  
6” Dia. 64A659-BW

---

**Weights shown in pounds and lengths shown in inches.**

**CEMA E**

**HX-40 series**

The HX-40 idler meets and exceeds CEMA E specifications. Each roll incorporates a 6308 bearing that exceeds minimum CEMA E L₁ bearing life for load rating for all belt widths. The HX-40 Idler is available with 2RS bearings or open bearings and is paired with a heavy-duty frame design incorporating die-formed end brackets to increase rigidity.

Conveyors are one of the most cost-effective methods of moving bulk materials and can provide efficient and reliable service for many years. Typically, conveyors are sized based on specific usage and may increase over time. This phenomenon can be caused by growth in a specific operation or increasing market demands, as well as many other factors. For this reason, it is best to consider the potential for increased loading when selecting conveyor components.
HX-40 series

45 Deg. impact troughing idler
Tapered roller bearing
7⅝" Dia. 73ASDX748-BW

V-return idler
6" Dia. 66A628-BW
7" Dia. 66A728-BW

Return roll
6" Dia. 66A610-BW
7" Dia. 66A710-BW

Transition idler
6" Dia. 66A659-BW
7" Dia. 66A759-BW

HXF-40 series

40 mm spherical roller bearing idlers

The HXF-40 exceeds CEMA F idler load standards and is designed for today’s super high capacity operations. Applications include high tonnage mining and industrial operations, mining operations with overburden removal and underground longwall coal mining operations that want to more closely match tonnage rates to highly productive longwall mining machines.

H XF -40 series idlers are offered with our in-line design or with our OR-C frame design from 60° to 120° BW.

A finger employs the natural centrifugal forces generated by a rotating idler roll to redirect potential contaminants away from the bearing cavity.

Patented retaining sleeve creates a smooth contact surface for the rotating lip seal.

Patented engineered shaft reduces overall roll weight and shaft deflection.

The triple labyrinth seal retards lateral movement and provides a barrier to contaminants reaching the bearing.

Counter-bored shell with protected weld contributes to proper bearing alignment.

Bearing and seal cavities are filled with grease from the factory to promote long life operation.

The back seal allows for a larger grease reservoir.

Spherical roller bearing designed to exceed CEMA requirements for \( L_{10} \) life.
Komatsu: Revolutionizing the mining industry for a sustainable future

Product designs, specifications and/or data in this document are provided for informational purposes only and are not warranties of any kind. Product designs and/or specifications may be changed at any time without notice. The only warranties that apply to sales of products and services are Komatsu’s standard written warranties, which will be furnished upon request.

Komatsu and other trademarks and service marks used herein are the property of Komatsu Ltd., Komatsu America Corp., Komatsu Mining Corp., or one of their affiliates, or the respective owners or licensees.

The multi-piece shaft discussed herein is covered by U.S. patent No. 9056727, U.S. patent No. 9359144, Chile patent No. 57.528 and Mexico patent No. 362798. Patent pending in Canada and Brazil.

The retaining sleeve is covered by U.S. patent No. 9273731, Canada patent No. 2661822, Brazil patent No. PI 0720447-7 and Mexico patent No. 344214. Patent pending in Colombia.

© 2020 Komatsu Mining Corp. All rights reserved.
EN-HXS01-0320-V6