

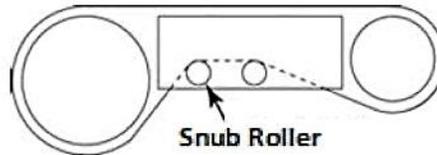
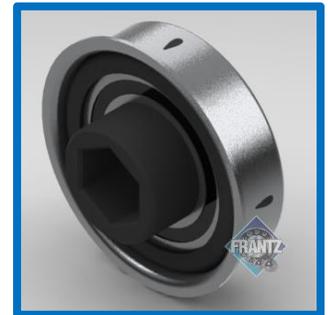


Snub Rollers

5000/5100 GenStar® Precision Bearings

The 'Isolator Sleeve' Benefit by FRANTZ

Traditional snub rollers used in belt conveyor applications experience extreme forces as a result of misaligned belt tensioning and harmonic vibration. These forces frequently fracture the weld or crimp between the roller tube and bearing. Often, vibration is so repetitive, the tube itself can fracture or the bearing can actually 'walk' out of the tube rendering the snub roller inoperable.

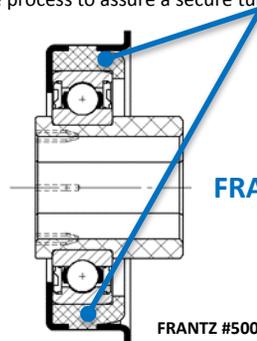


FRANTZ has eliminated this problem by developing GenStar® Precision Bearing models 5000 and 5100, used in standard 2-1/2", 11 gauge roller tube applications. These GenStar® bearings are uniquely designed with a polymer **Isolator Sleeve** along with a metal adapter that allows for a secure swage or crimp fitment. This quality fitment assures the bearing will remain properly seated to the roller tube for years of useful life.

The design of the bearing allows for an aggressive crimp of the metal adapter, compressing the polymer **Isolator Sleeve** while preventing pressure against the rolling elements. This crimp secures the bearing in the tube in a superior fashion compared to the competition. **The Benefit:** Truer high speed snub roller performance and fewer roller failures reducing conveyor down time. Additionally, less costly tubes may be used as more exact tube tolerances are not required, while often eliminating the need to counterbore prior to the swaging process helping to reduce total cost due to the enhanced flexibility of the FRANTZ bearing in the swaging process.

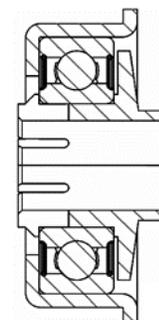
Isolator Sleeve – Polymer between core bearing and metal adapter allows for deflection during swage process to assure a secure tube fitment.

Metal-on-Metal allows rolling elements to become compressed and damaged when too much swage pressure gets applied – or, you cannot crimp tight enough to assure proper tube fitment.



FRANTZ vs. The Competition

FRANTZ #5000 with 6005 -2RS Core
ABEC-1 Sealed Bearing
– Rated @ 2,260 lbs.



Competitive Model with
larger core bearing tight
against its metal adapter

FRANTZ engineers can assist in providing expertise relative to proper crimp pressure and tooling requirements. Additionally, FRANTZ has engineered and can supply tooling for the 5000/5100 bearings.

Customer Service, Product Samples and Quotations: 815.625.7063

FRANTZ Manufacturing Company P.O. Box 497, Sterling IL 61081-0497 www.frantz-mfg.com

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