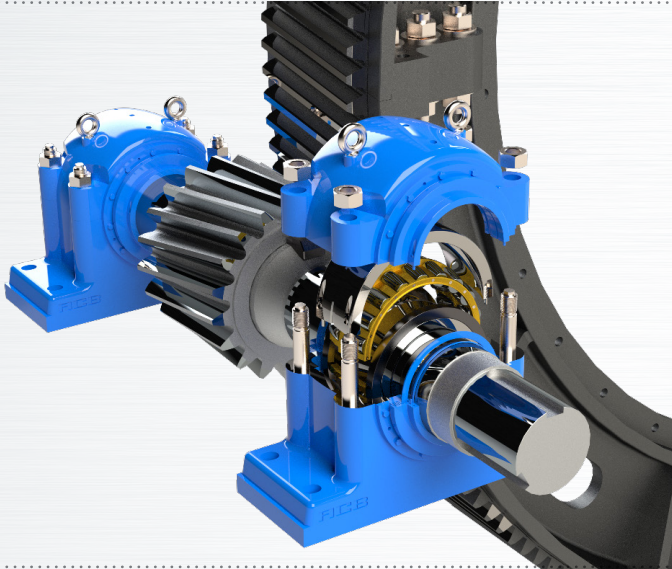


# Technical Paper

May 2020

**ACB**  
ATLANTIC CUSTOM BEARINGS

## ACB Split Spherical Roller Bearings supporting driving pinions on Mills and Rotary Kilns



### Benefits

*Reduced installation cost.*

*Reduced Downtimes.*

*Replaces standard solid spherical roller bearings with or without adapter sleeve.*

*Replaces Babbitt or Bronze Sleeve Bearings.*

*Easy mounting in standard split pillow block housings.*

*Time saving to replace bearings.*

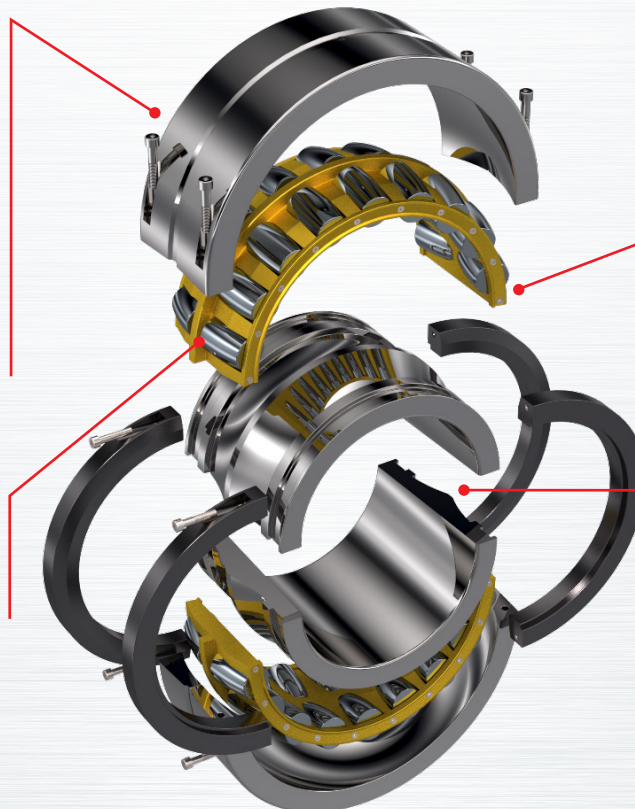
*Rings made of High cleanliness bearing steel with bainitic hardening to obtain a considerably higher strength to fatigue and inner ring hairline cracks.*

*Forged rollers made from High cleanliness bearing steel.*

*High quality split brass cage.*

*Optimum roller's guidance and improved lubricant oil film flow.*

*Form forged rollers made from Ultra-clean bainitically hardened bearing steel.*



*High alloy brass cage.*

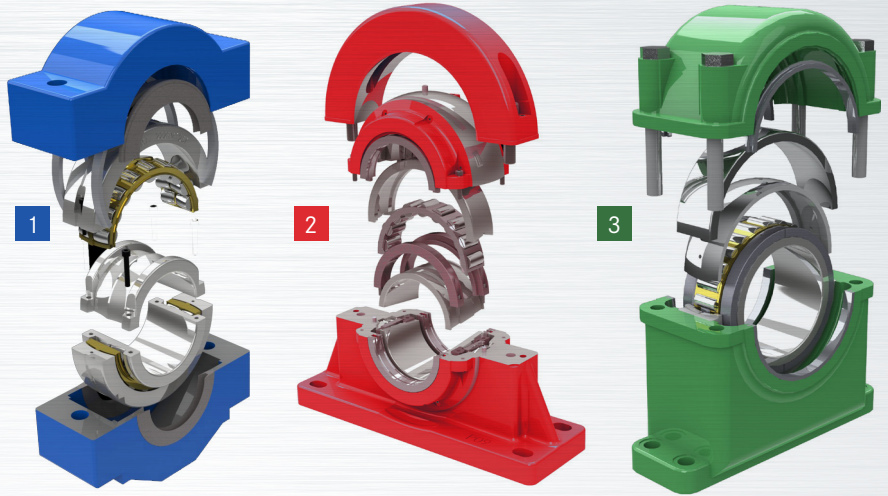
*Pockets profile designed to achieve the optimal roller guidance and improve the lubricant film thickness.*

*Bearing rings with angled joints to ensure continuity of rollers contact. Load ratings similar than standard bearings.*

## ACB split spherical roller bearing

Other split bearing design solutions available upon request.

- 1 - Sealed split spherical roller bearing unit.
- 2 - Traditional split cylindrical roller bearing with cartridge and pedestal.
- 3 - Triple ring split cylindrical roller bearing unit.



**Quality** Our state of the art manufacturing and quality control process allows us to manufacture customized bearings with one of the highest quality on the market. All key processes, from bearing design through raw material selection, forging, heat treatment, grinding to assembly operation, are fully controlled and documented. The complete quality control process undergoes a thorough inspection, where 100% of parts are inspected during and after manufacturing process. Additionally we inspect at random in our main QC Lab before final shipment to our Customer.



**After-sales Services** Our ultimate goal is to provide high-quality custom bearings, with unsurpassed after-sales services that are not limited to on-site mounting supervision and regular inspection assistance.

