

Metso

Thickener spare parts

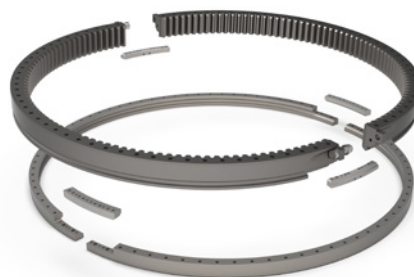
SCD Split ring series



Thickeners

Swift, secure, seamless slewing bearing replacement for uninterrupted thickener performance.

Geared slewing bearings are crucial components of the centre column drive and are critical for the efficient operation of thickeners.



The geared slewing bearing is the connecting element between the static column and the rake cage of the mechanism delivering torques of up to 14,500,000 Nm.

The SCD split ring series has been designed to meet the same capacity as the original slewing bearings, offering drastically reduced plant downtime and ensures continued operation of the thickener.

Features

Our unique SCD split ring series design, offers faster, safer and easier replacement of the slewing bearing in the drive unit with the following features:

- Bridge and feedwell do not need to be lifted or removed to replace the ring due to the quick change split design
- A long reach, high capacity crane is not required
- Superior shelf-life by individually protected components



The SCD Split Ring series allows in-situ replacement of existing rings without the need to remove or disassemble the bridge. The two-part design also allows for delivery via the existing bridge monorails, eliminating the need for large cranes.

Benefits

- Minimal replacement downtime
- Longer lifetime
- No long reach crane required
- Suitable for existing SCD dimensions

Transport & storage

- Reduced transport dimensions allow for a more economical method of transport and allow full containerization
- The split ring components are individually protected and sealed for long term warehouse storage
- The protection of individual parts as opposed to a fully assembled ring provides excellent long term storage capability while requiring less warehouse space

Technical information

Bearing type	Single ball bearing
Dimensions	Matching SCD200x, SCD300x, SCD400x & SCDH450x drives
Assembly	In situ ring assembly using temporary assembly tables
Design loads	Identical to SCD200x, SCD300x, SCD400x & SCDH450x
Design life	60 000 hours
Handling	Max component weight <2tonnes
Lead time	Between 8 and 18 months

Available sizes

- SCD2000 split ring
- SCD3000 split ring
- SCD4000 split ring
- SCDH4500 split ring

