

Railcar dumper system upgrades

Trunnion assemblies

Trunnion design

Metso's innovative trunnion design uses a self-contained, pre-assembled and pre-lubricated AP bearing design that reduces maintenance costs and increases reliability. A proven double sealing arrangement minimizes dust ingress and ensures correct lubrication to the wheel bearing.

Trunnion wheels are available in a range of materials to provide optimum wear life for the end ring rails. Individual wheels are housed in a dual wheel equalizer frame and can be independently replaced just by removing two screws.

The complete equalizer frame (dual or quad) slides out to one side without having to pull a pin. Jacking pads can also be supplied to facilitate removal. Compared to alternative methods, this design significantly simplifies maintenance.

Enable trouble-free adjustment of your trunnion assemblies and ensure correct alignment and proper support of the dumper cage by using a Metso designed dumper trunnion arrangement complete with base frames.

Dual, triple, or quad wheel trunnions

Adding more trunnion wheels to your dumper system will better distribute the end ring load. This reduces the fatigue loading of each cycle on the end ring, thus extending dumper life significantly. End ring rail and trunnion wheel surface wear life are also increased due to reduced stress.

