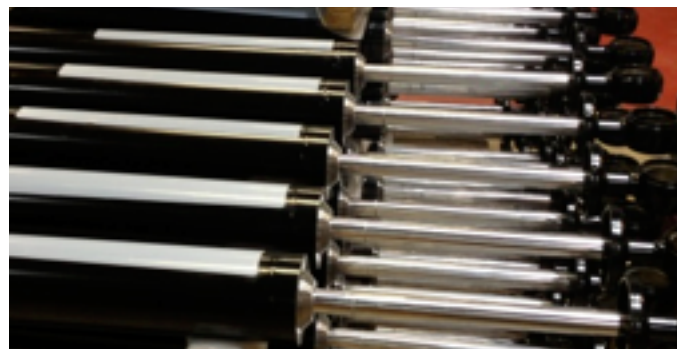




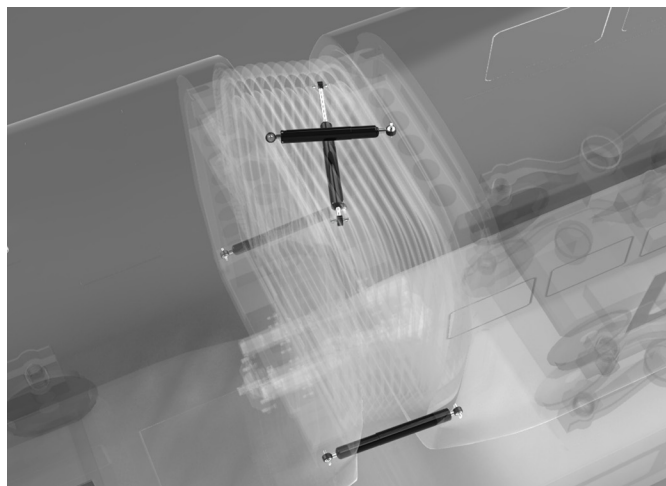
The Dellner Dampers 80 Series has been developed especially for use as inter-car and yaw dampers for bogies in rolling stock. Its novel design presents a versatile damper solution that delivers superior performance and quality at a favorable cost level.

Generous hydraulic flow and pressure areas on valve components ensure steady performance at frequencies over 20 Hz and at high relative velocities. The 80 mm piston diameter gives high dynamic stiffness. The 80 Series dampers provide equal damping forces in both directions (compression and expansion). Synthetic bearings around the piston and in the guide substantially reduces wear as it eliminates any metal-to-metal contact.

Depending on damper type, the damping characteristic can be set from 150 to 4000 kN/m/s.



With its innovative built-in features, the Dellner 80 Series offers a damper with superior quality and endurance, ensuring fault-free performance between maintenance intervals. The design also allows for easy reconditioning. For specification of lower required damping forces, we are able to use our 62 series as well.



PORTFOLIO FOR INTER-CAR APPLICATION

- Roof dampers
- Floor dampers
- Between the car bodies
- Anti-roll dampers

TECHNICAL DATA – 62 SERIES	
Maximum Dyn. Force	30 kN
Maximum Damping Rate	20 - 4000 kN / m / s
Blow off	2 - 25 kN
Ø Dust cover	90 / 102 mm
Ø Damper housing	89 mm
Ø Reservoir	62 mm
Range of stroke length	40 - 650 mm
Built-in lenght (max)	2200 mm
Max Ø loop	60 / 70 / 80 / 90 mm
Attachment type	trunnion bush cylindrical bush stem and bush
Dust cover	screwed

According to EN 13802 : 2013

TECHNICAL DATA – 80 SERIES	
Maximum Dyn. Force	6-70 kN
Maximum Damping Rate	100 - 10 000 kN / m / s
Blow off	4 - 50 kN
Ø Dust cover	120 mm
Ø Damper housing	108 mm
Ø Reservoir	80 mm
Range of stroke length	50 - 600 mm
Built-in lenght (max)	2200 mm
Max Ø loop	60 / 70 / 80 / 90 / 110 mm
Attachment type	trunnion bush cylindrical bush stem and bush
Dust cover	screwed

According to EN 13802 : 2013

EXAMPLE OF DAMPER LAYOUT

