



## KONI 06 TYPE DAMPERS

Our Technology Line contains the high-tech dampers in which our innovative power is displayed. Our 05 – 06 series dampers utilize a two-directional oil flow principle through the piston.

The smart damper design features several improvements compared to traditional dampers. Due to the increased working area in the cylinder tube, the dampers have an enhanced damper stiffness making them perfectly suitable for yaw damper applications. A significant weight reduction has been realized by reducing the internal working pressures, allowing smaller piston diameter and thinner cylinder walls.

Another significant benefit of this damper series is the possibility to include our patented FSD valves in the piston without making any adjustment to the design.

06 Type	Standard Specifications	
<b>GENERAL</b>		
Maintainability	Maintainable	
Durability	≥ 1,2 million km per service interval	
Adjustability	Not adjustable	
Attachment Types	Eye with silentbloc	
Unique Features	<ul style="list-style-type: none"> <li>- Secured service life</li> <li>- Symmetrical force</li> <li>- Fully customizable characteristic (Force rate &amp; Blow-off)</li> <li>- Low-noise</li> </ul>	
Temperature Range (according to EN13802)	-40°C	+70°C
Available Options	Arctic Pack (-50°C)	Desert Pack

### PRIMARY VERTICAL DAMPER

Max. Damping Force	-	-
Max. Damping Rate	-	
Maximum Angle to Vertical	-	

### SECONDARY VERTICAL DAMPER

Max. Damping Force	-	-
Max. Damping Rate	-	
Maximum Angle to Vertical	-	

### SECONDARY HORIZONTAL DAMPER + YAW DAMPER

Max. Damping Force	17 kN @ 0.01 m/s	25 kN @ 0.1 m/s
Max. Damping Rate	1000 [kNs/m]	
Minimum Angle to Horizontal	1°	

### MAXIMUM STATIC TENSILE LOAD

With Mechanical Rebound	50 [kN]
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### MAIN DIMENSIONS

Diameter of Dust Cover	Ø 120 mm
Diameter of Reservoir Tube	Ø 108 mm

Apart from these standard specifications, KONI is always able to custom engineer dampers based on the customers' requirements.

