

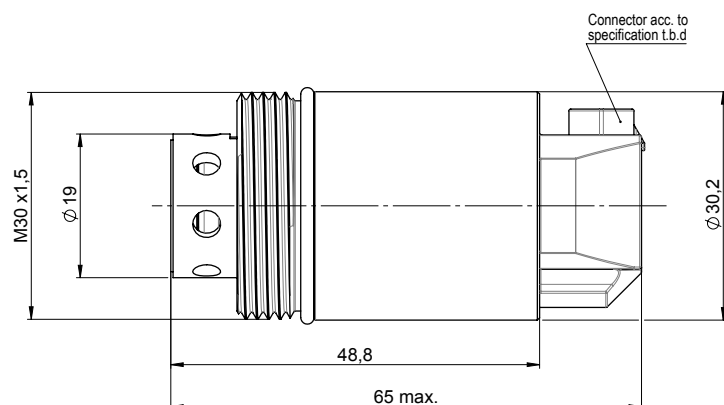
Active Suspension

# eCDV EVO

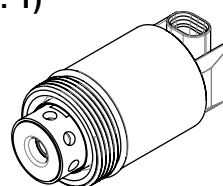
## Data Sheet



## Dimensions



(1 : 1)



# Technical Data

<b>Valve type</b>	2-way pilot-operated valve, normally (non-energized) close or open (Failsoft)
<b>Valve setting</b>	Comfort at low power, hard at full current, fully proportional
<b>Fail safe</b>	Optional, medium setting at zero current (new design), with low-cost failsafe Softmode 0–0.35/0.4 A
<b>P–Q curve</b>	Variable, customer specific (tuneable)
<b>Max. working pressure</b>	200 bar
<b>Burst pressure</b>	400 bar
<b>Max. flow</b>	General control area 50 lpm (possible up to 100 lpm)
<b>Voltage range</b>	9 – 16 V
<b>Max. operation current</b>	1.6 A (hard mode), optional 1.8 A (very short time) for 3 $\Omega$
<b>Control current</b>	0.35/0.4 A (soft mode) – 1.6 A (1.8 A) Initialization peak $\leq$ 200 ms with optional failsafe necessary
<b>Resistance</b>	3 $\Omega \pm 10\%$ @ 20 °C, 11.5 g, 4.6 $\Omega \pm 10\%$ are also still possible but not recommended
<b>PWM frequency</b>	Normally 1–2 kHz (free for customer)
<b>Temperature range</b>	–40 °C (reduced function) to +120 °C, short time +140 °C
<b>Operating fluid</b>	Mineral oils for dampers e.g. Titan SAF5045 EU 137; SAF1579 EU 175
<b>Protection class</b>	IP6K9K (system)
<b>Dimension</b>	$\approx$ 59 mm $\times$ $\varnothing$ 30 mm
<b>Weight</b>	$\approx$ < 170 g (lighter than eCDV)

