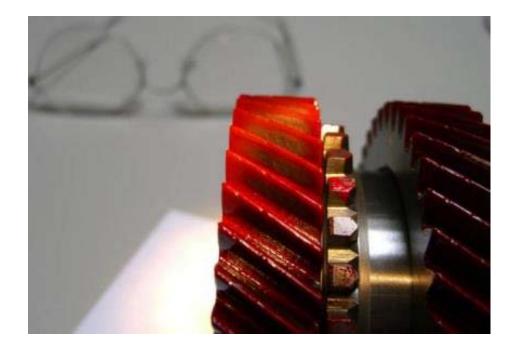


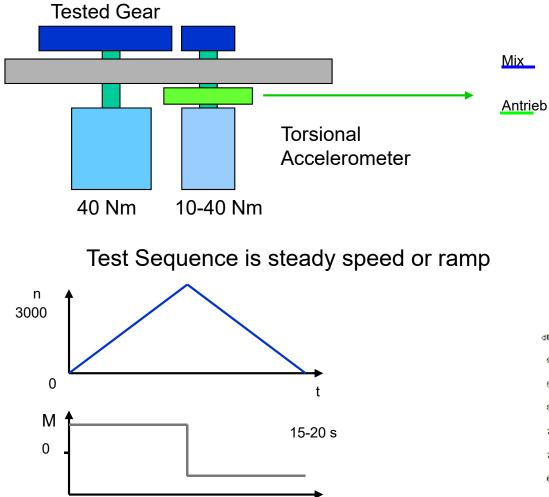
Rotas-TAC15: Sensor for Torsional Acceleration on Gear testers, Axle and Transmission Test Stands



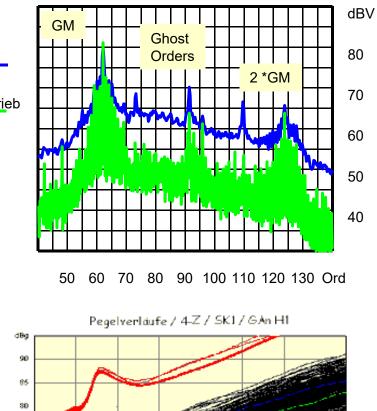
MTE/Torsional Of Gears



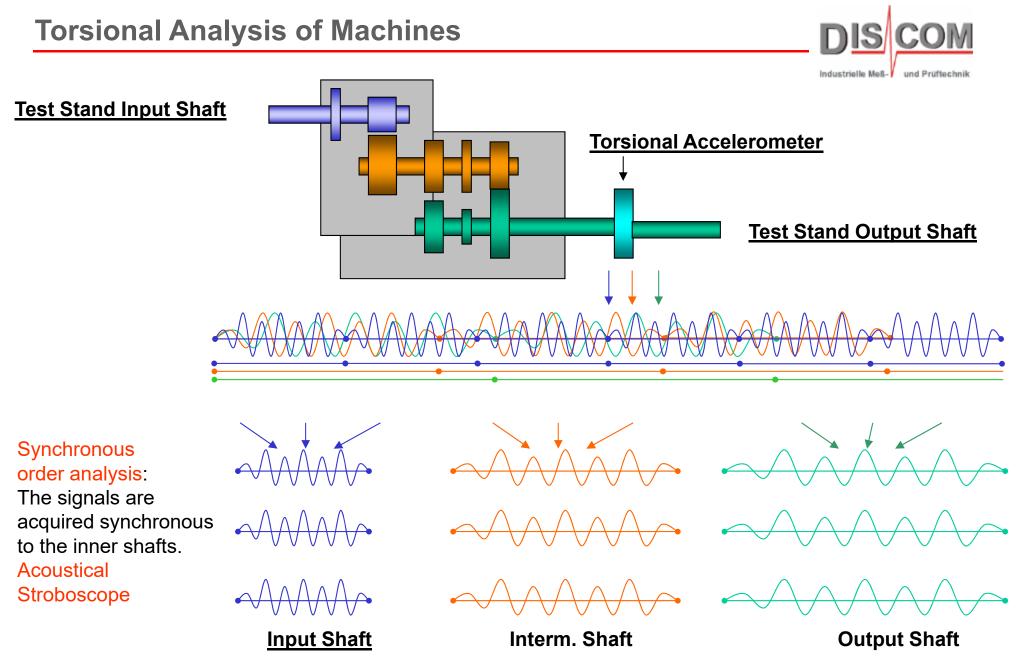
Mechanical Layout of Test Machine



Rotas NVH Analysis



2400 Upm

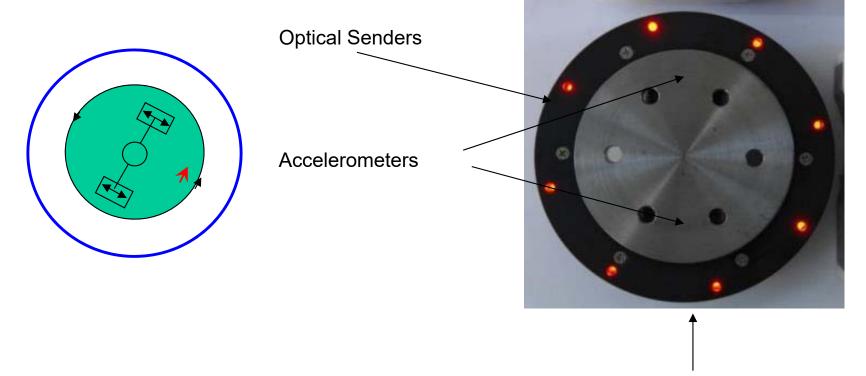


21.11.2008

TAC 15 Torsional Accelerometer



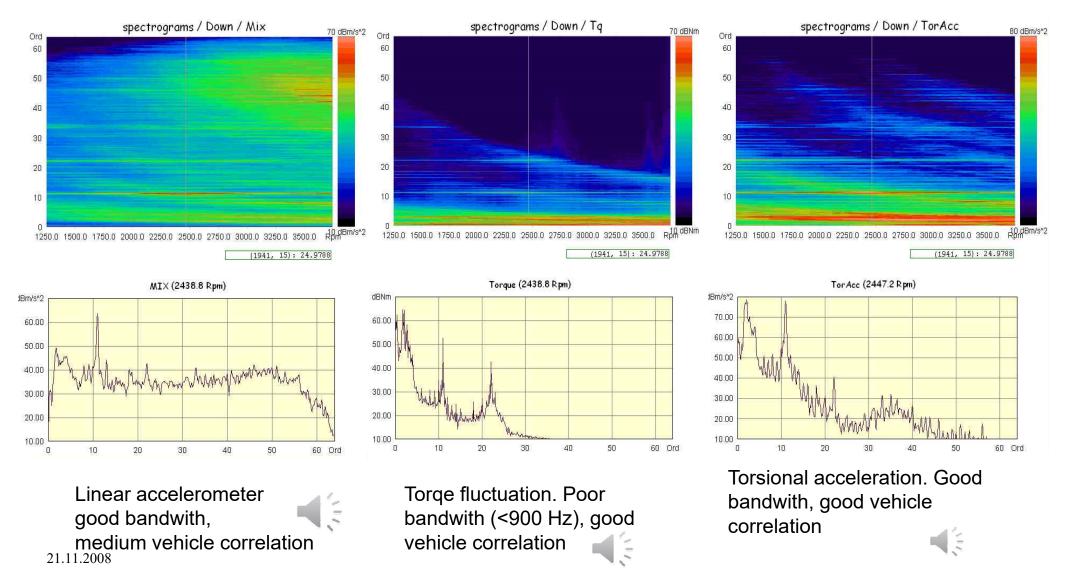
Accelerometers measure the deviation from uniform circular motion. Here a the torsional accelerometer is integrated into a coupling disk for an rear axle test stand



Accel, Torque and Torsional Accel on Axle



Data from a vehicle axel with linear acclerometer, torque fluctuation and torsional acceleration

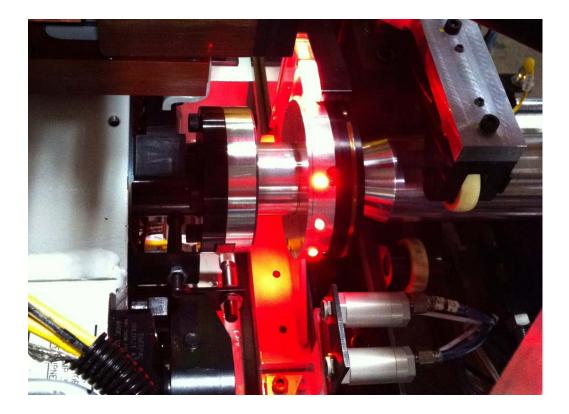


Torsional Accelerometer TAC15



Torsional Accelerometer TAC15 for shafts in test stands

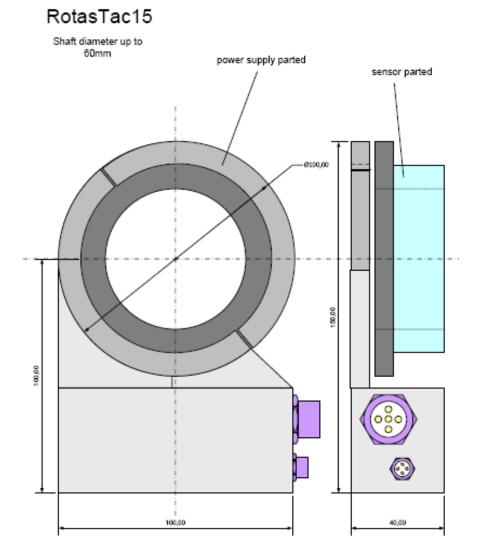


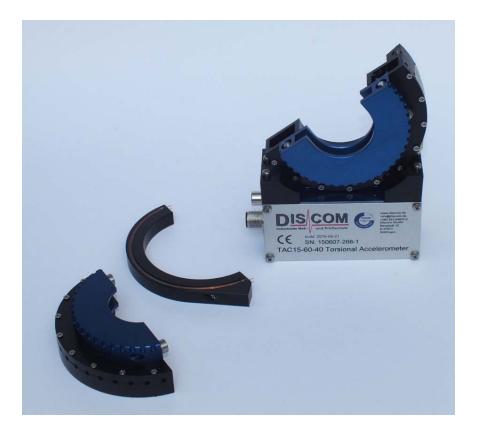


2015-10-02

Torsional Accelerometer TAC15





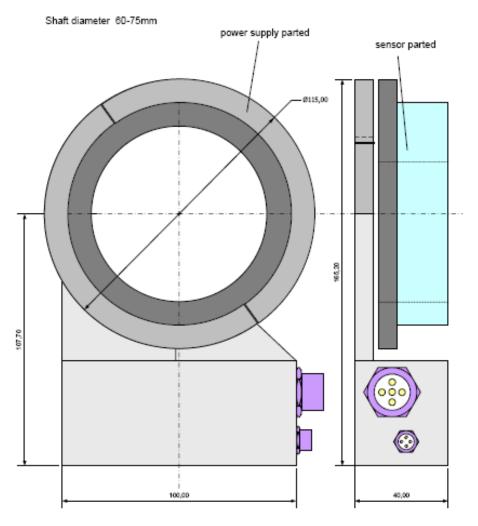


TAC15 split rotor for easy mounting

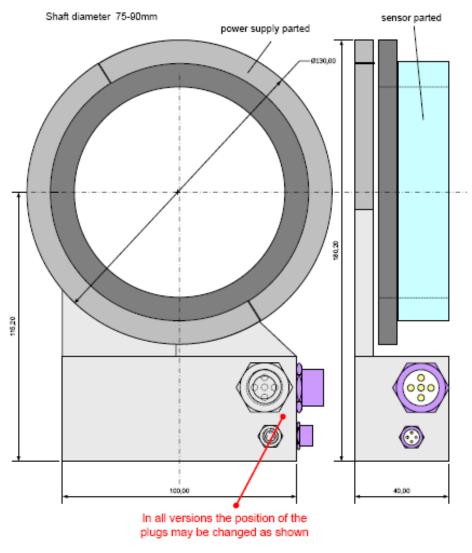
Dimensions TAC15-60

Torsional Accelerometer TAC15

RotasTac15



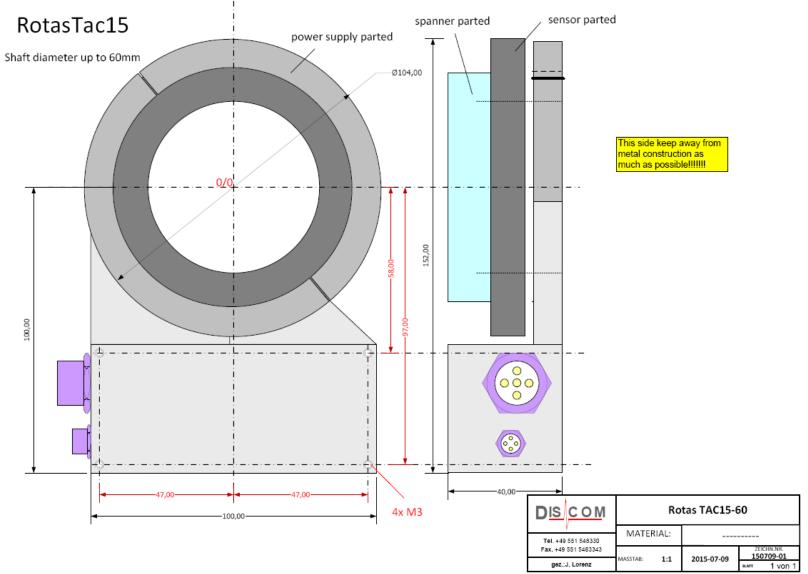
RotasTac15



DIS COM

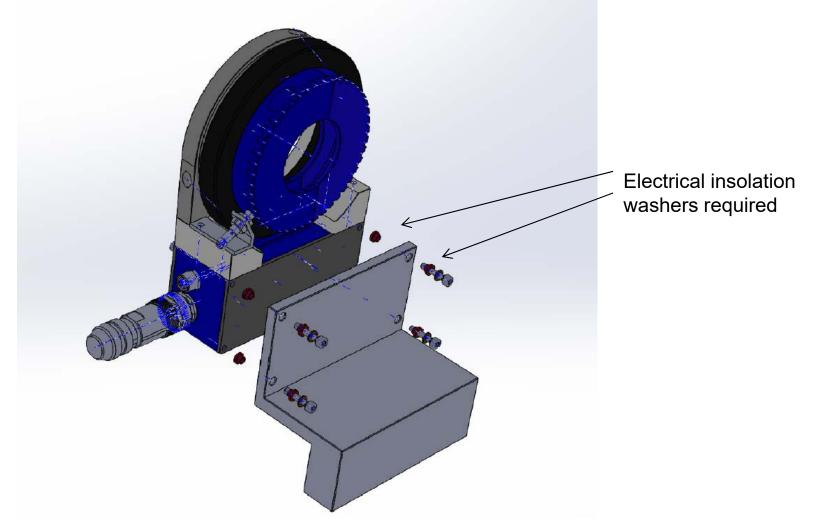
Industrielle Meß- und Prüftechnik

TAC15 60 mm Dimensions



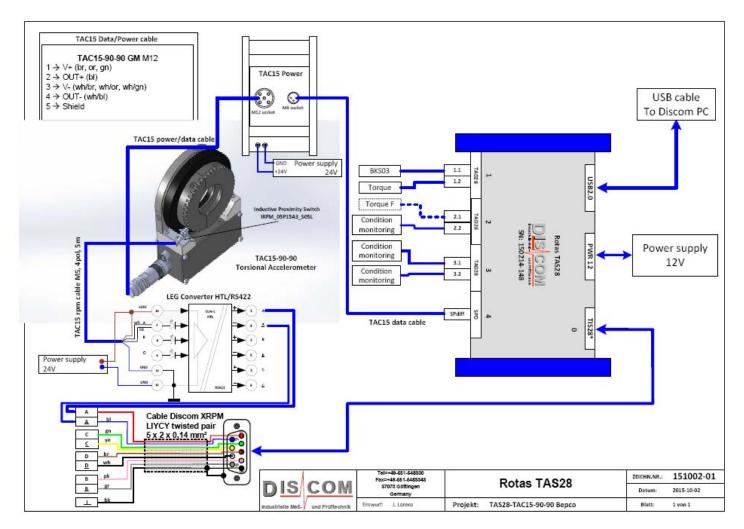
Mounting Example





Connecting the TAC15 sensor





Block Diagram for a measurement system using accelerometers, torque signals and the TAC15 sensor



Supply	Power	24 V 1.5 A
Transfer Capabilities	Level	10 mV/g Acceleration
	Max Amplitude	70 g Peak FS
	Output	SPDIF/Interface to SPD28 interface card in the TAS28
	Signal/Noise Ratio	> 100 dB in regards to FS
	Bandwidth	10 Hz – 20 kHz
Speed pulse ring		Designed for proximity switch Baumer IFRM 05P15A3/S05L