

## Measurement Shaft Kit 100 Nm

### **Torque Measurement System consisting of:**

- Torque measuring shaft with integrated Rotor Antenna
- Evaluation Unit
- Documentation

### **Measurement System:**

- Measuring range: 100 N·m
- Signal resolution: 16 Bit
- Linearity and hysteresis: <0.25%
- Distance rotor to evaluation unit: 0.5 ... 5 mm
- PCM technique
- Maintenance-free
- Integrated Remote Shunt Calibration function



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### **Shaf (MW\_100NM):**

- Number of channels: 1
- Strain gauge bridge integrated
- Measuring range: 100 N·m
- Signal bandwidth: 0 ... 1 kHz
- Zero and gain drift:  $\pm 0.05\%/^{\circ}\text{C}$
- Dimensions:  $\varnothing 30$  mm, 130 mm
- Rotational speed range: 0 ... 10,000 1/min
- Temperature range:  $-10$  ...  $+55^{\circ}\text{C}$
- Protection class according to EN 60529: Ip42

### **Evaluation Unit and Antenna (AW\_DAnt)**

- with integrated PickUp (stator antenna)
- Number of channels: 1
- Analog output voltage: 0 ...  $\pm 10$  V / 50 ohms
- Signal bandwidth: 0 ... 1 kHz
- Zero and gain drift:  $\pm 0.05\%/^{\circ}\text{C}$
- Supply voltage: 24 VDC  $\pm 10\%$ , 220 mA
- Connection: D-SUB-9 plug
- Dimensions: 90 x 50 x 22 mm
- Temperature range:  $-10$  ...  $+55^{\circ}\text{C}$
- Protection class according to EN 60529: IP42

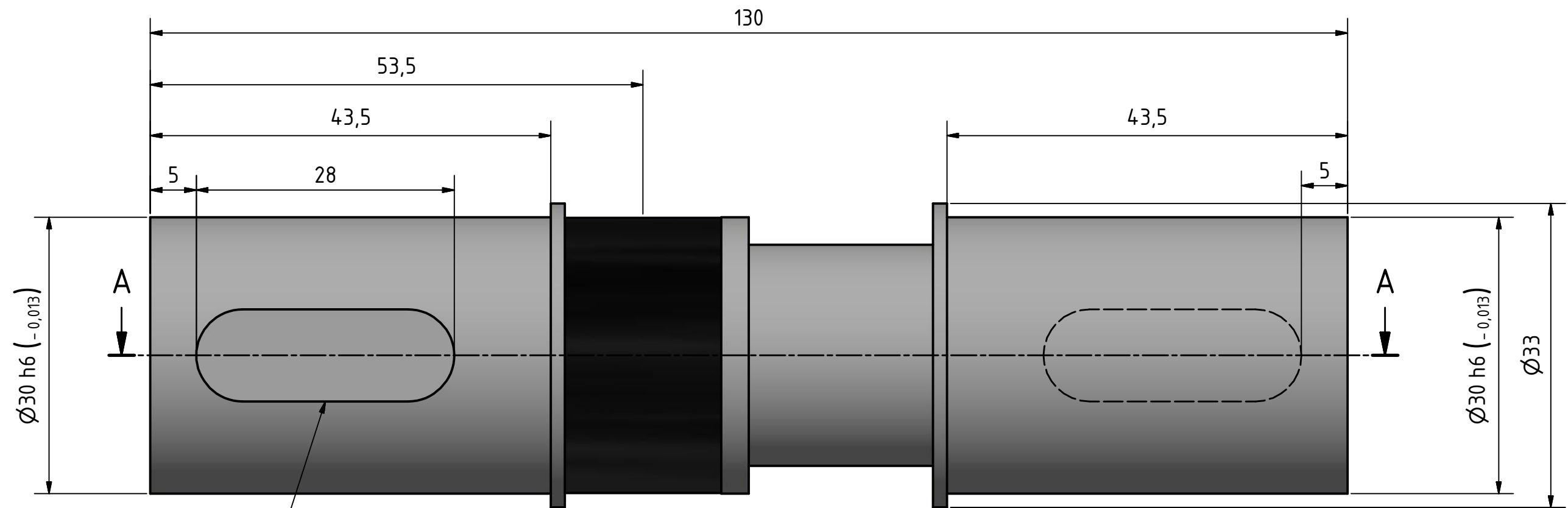
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### **Cable (VKab\_Dana\_Kal):**

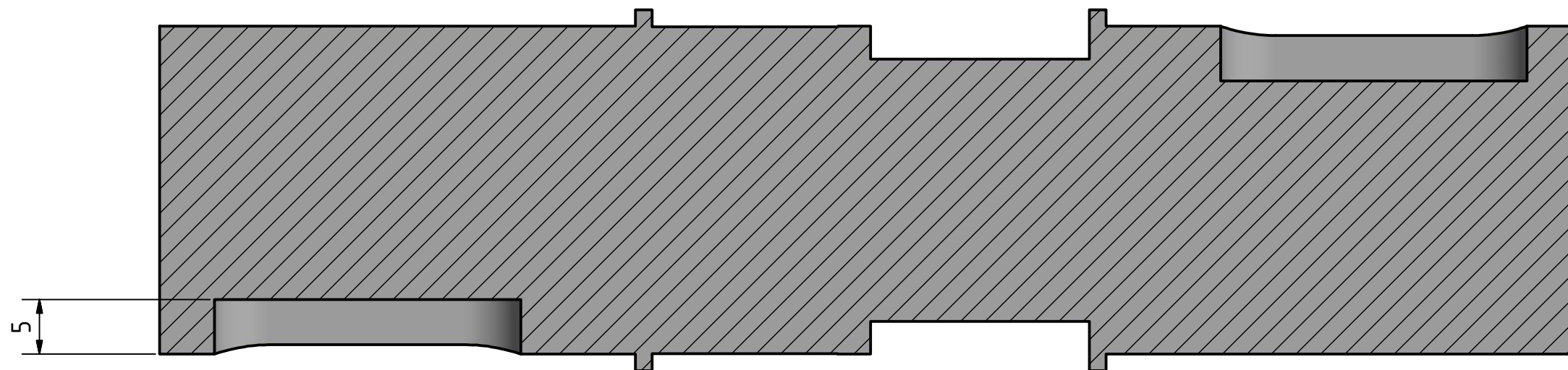
- Cable length: 2 m
- Connector: D-SUB-9 socket
- with integrated button to check the calibration

### **Included in delivery**

- Torque Measuring MW\_100NM
- Evaluation Unit AW\_DAnt
- Supply and data cable with D-SUB-9 socket  
Cable length: 2 m  
with integrated button to check the calibration  
for systems with analog data output
- Calibration protocol
- Documentation on USB



Passfeder DIN 6885 - A 10 x 8 x 28



		Allg.-Toleranzen ISO 2768-mK		Oberfläche ISO 1302		Werkstoff: Manner Messstahl			
"Schutzvermerk nach DIN 34 beachten" Werkstückkanten DIN 6784		Form- u. Lagef. DIN ISO 1101							
		Datum	Name		HSMW-100				
		Gezeichnet	30.10.2019					Lander	
		Kontrolliert							
		Norm							
						100 N·m			
						1			
				Eschenwasen 20 D-78549 Spaichingen www.sensortelemetrie.de		A3			
Status	Änderungen	Datum	Name						