



ASA-RT s.r.l.

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**Torque Transducer**  
**Messdose zur Drehmomentmessung**

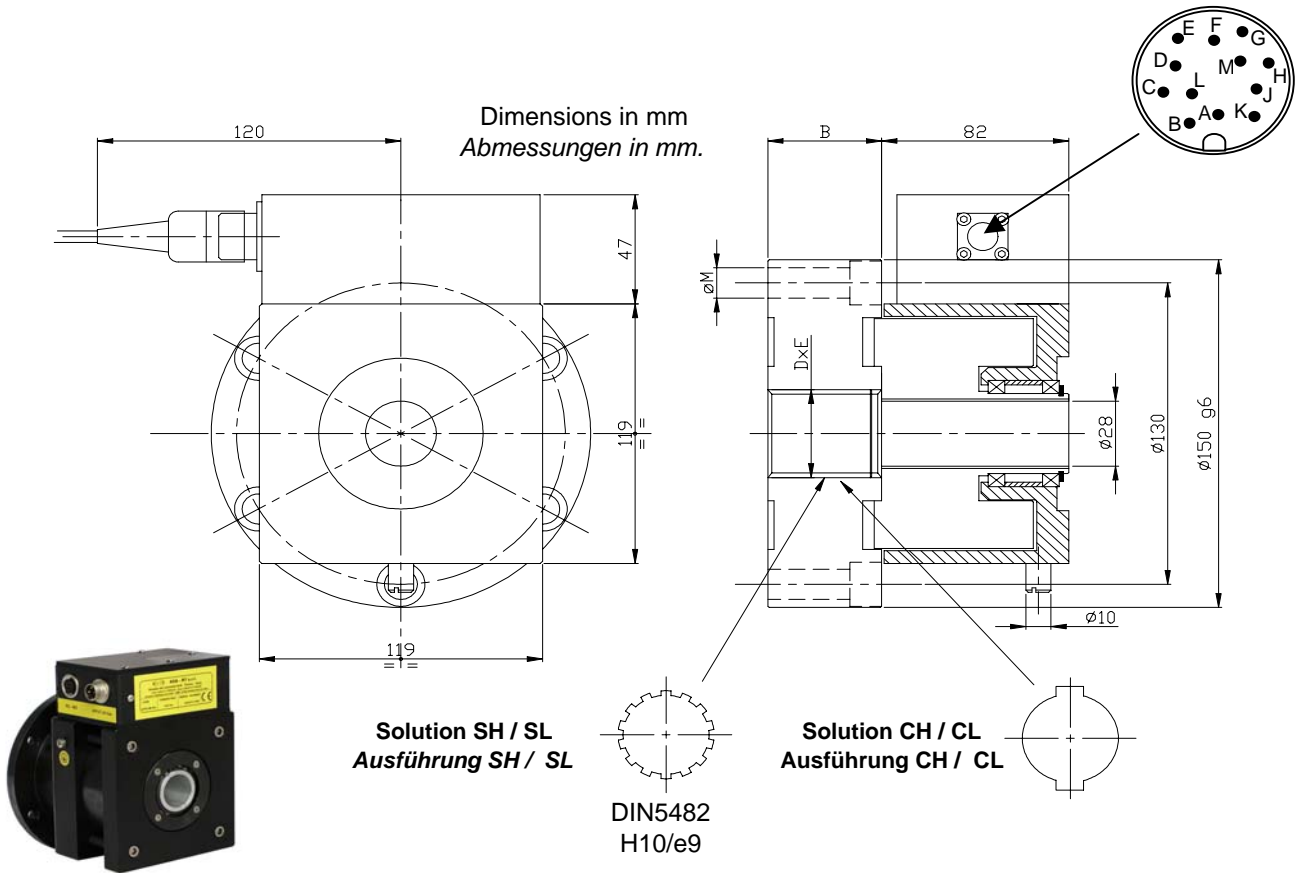
**ATB - NB**

Data sheet

NB / 97 / 2

Datenblatt

**Signal transmission without slip-rings (no maintenance)**



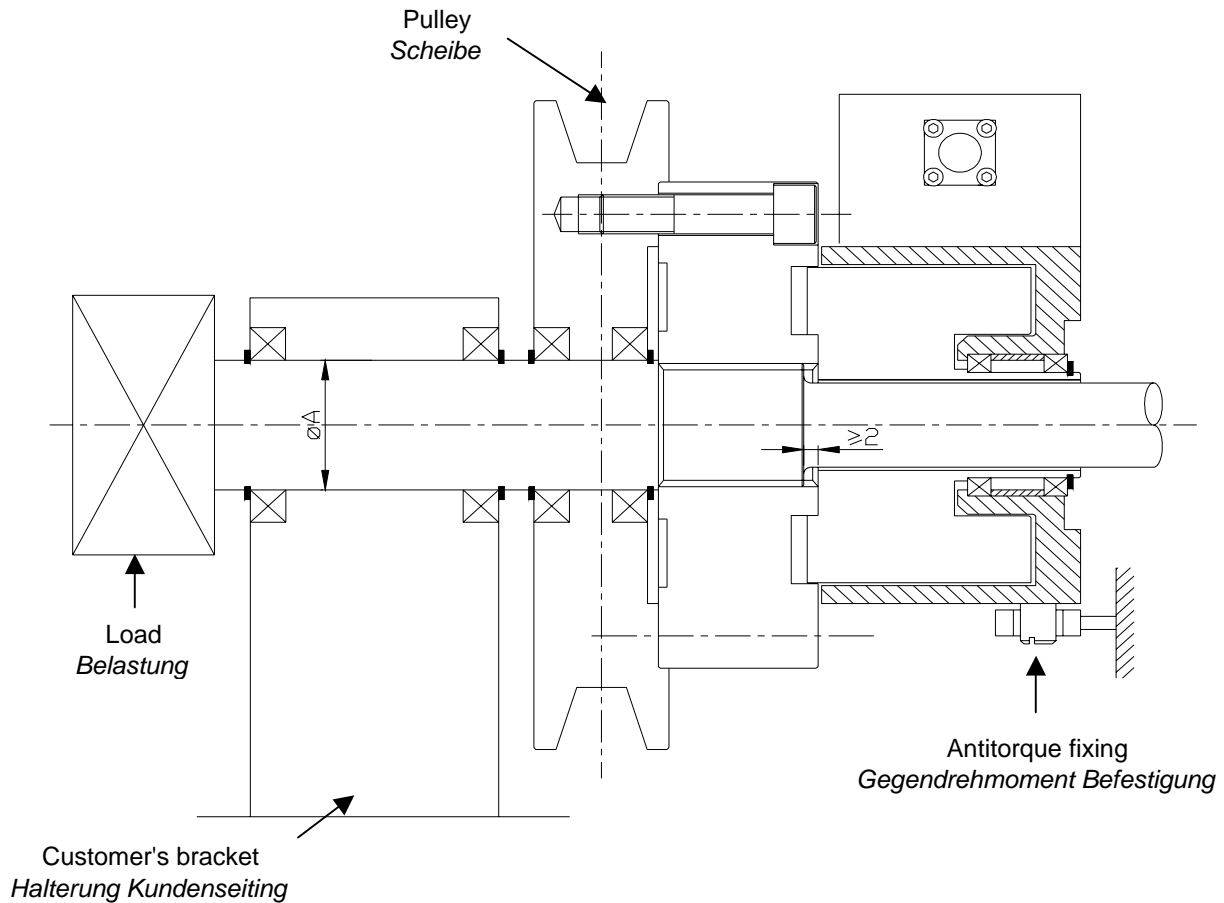
Type Typ	Nominal Torque (T) Meßbereich (T)	A	B	D x E	M	Round-end key* Keil*
ATB-NB 100	100 Nm	30	35	28 x 25	ø 6.5x6	8x7
ATB-NB 250	250 Nm	30	35	28 x 25	ø6.5x6	8x7
ATB-NB 500	500 Nm	40	45	38 x 34	ø8.5x6	12x8
ATB-NB 1000	1000 Nm	40	45	38 x 34	ø8.5x6	12x8
ATB-NB 2500	2500 Nm	50	45	48 x 44	ø13x12	14x9

\* with solution "CH" and "CL"

\* Mit Ausführung "CH" und "CL"

Technical Data	Technische Daten
- Ultimate load	> 300% T
- Accuracy	0.5 % T
- Sensitivity	1÷1,3 mV / V
- Repeatability (total error hysteresis and non-linearity)	< 0.3 % T
- Zero bridge balance	±5 % T
- Temperature effect on zero	± 0.1 % T / 10 ° C
- Temperature range	(+10 ...+60°C)
- Bridge resistance	350 Ohm
- Maximum speed	3000 Rpm
- Protection Level	IP54
- Material	Steel / Stahl
- Connector "L"	KV-120 / 12
- Power supply	24Vac / 50Hz
- Output	RS485
- Measurement updating	0÷10V / 4÷20mA 12,7 Hz
	- Bruchlast
	- Genauigkeit
	- Empfindlichkeit
	- Wiederholgenauigkeit (gesamt Hysteresis-Abweichung und Nichtlinearität)
	- Nullpunktabweichung
	- Temperatureinfluß auf den Nullpunkt
	- Arbeitstemperaturbereich
	- Brückenwiderstand
	- Schutzgrad
	- Material
	- Anschlußstecker "L"
	- Speisung
	- Ausgang

**ASSEMBLING EXAMPLE  
EINBAUBEISPIELE**



**ELECTRICAL CONNECTION  
ELEKTRISCHE ANSCHLÜSSE**

Connector Anschlußstecker	Signal	Connection with 6 wires Anschluß mit 6 Adern	Function	Funktion
A	24Vac	brown / braun	- Power Supply	- Speisung
B	24Vac	white / weiß	- Power Supply	- Speisung
C	EARTH	-	- Connection to the metal case	
D	AGND	yellow / gelb	- Analog output common pin	
E	ANA-OUT	green / grün	- Analog Output 0..10V / 4-20mA	- Analog Ausgang 0..10V / 4-20mA
F	-	-		
G	-	-		
H	-	-		
J	RX/TX+	pink / rosa	- Connection RS485 (+)	- Anschluß RS485 (+)
K	RX/TX+	grey / grau	- Connection RS485 (-)	- Anschluß RS485 (-)
L	-	-		
M	-	-		

\* Color code used when the cable is also supplied by ASA-RT

**ORDER CODE  
BESTELLCODE**

