

# Highspeed Torque Flange

## 0.5 kN·m to 20 kN·m

MANNER advanced design for higher precision and overload resistance

- ☒ Rated speeds up to 65.000min<sup>-1</sup>
- ☒ Accuracy class 0.05 (up to 0.02 optional)
- ☒ Short design
- ☒ Customized mechanical interface
- ☒ DAkkS calibrations available
- ☒ Wide temperature range: -40°C up to 160°C
- ☒ Up to 10 kHz (-3dB) bandwidth

What we do better  
as others

Flexible and  
Proven!

Go Dual,  
go Digital!

### Our Design

- ☒ 400% limit torque of the nominal torque with no harm to the flange
- ☒ 800% breaking torque of the nominal torque
- ☒ High bending tolerance

### Options for Highest Accuracy

- ☒ Zero drift compensation -40°C to 160°C
- ☒ E-Modul compensation -40°C to 160°C
- ☒ Speed compensation
- ☒ Compensation of parasitic forces

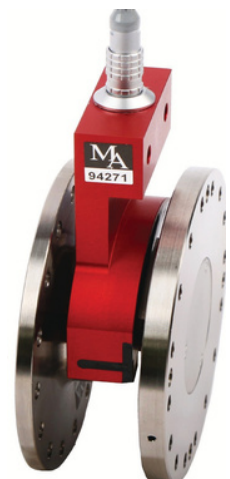
### Made for harsh environment

- ☒ Oil mist, grease
- ☒ Water IP67; Saltwater
- ☒ ATEX

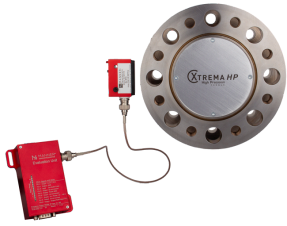


- ☒ The inductive technology allows flexible stator configurations depending on your needs:
  - Radial/Nominal distance is 10 mm (up to 20 mm optional)
  - Axial tolerance between pickup and flange is ±2 mm (up to ±20 mm optional)
- ☒ High rotor to stator distance prevents collisions, vibrations and damage through inaccurate installation
- ☒ MANNERs proven technology ensures high transmission quality, even with inaccurate installation
- ☒ Fully digitalized measurement (no interference on the communication path)

- ☒ The stator unit is freely configurable with the classic analogue signal output (voltage, current, frequency)
- ☒ The following digital outputs are available via EtherCAT, CAN, Ethernet, WLAN
- ☒ Interface for health monitoring
- ☒ Integrated Pick-Up version is available as well as a set apart solution for cabinet mounted evaluation units



# Solutions for all sizes



XtreMA HP  
(0.05...10 kN·m)



XtreMAX  
(10...1000 kN·m)



Customized  
Solutions



Highspeed Flange  
65.000 rpm

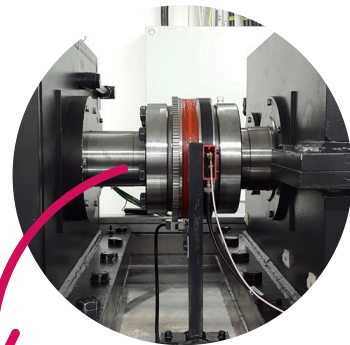
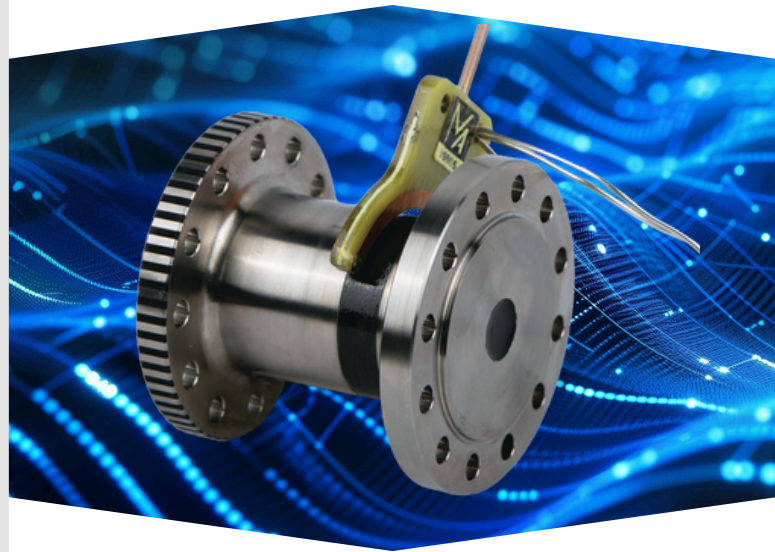


MW\_S  
(1...500 N·m)



Two  
range

Option: Change e.g. via app or  
simultaneous - 2 Channel solution



Outstanding - "There is no Mission Impossible for MANNER!"

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