

# Data sheet FLENDER couplings

## RUPEX RWN 560

### Product

Series	RUPEX
Type	RWN
Size	560
Scope of supply	complete coupling
Torsional stiffness	Torsionally flexible
Shaft distance S	6 mm

### Basic data<sup>1)</sup>

Rated coupling torque	$T_{KN}$	39,000 Nm
Alternating coupling torque	$T_{KW}$	7,800 Nm
Maximum coupling speed	$n_{Kmax}$	1,500 rpm
Operating temperature (min.)	$T_{min}$	-30 °C
Operating temperature (max.)	$T_{max}$	80 °C
Axial misalignment (max.) <sup>2)</sup>	$K_a$	± 2 mm
Radial misalignment <sup>3)</sup>	$K_r$	0.68 mm
Angular misalignment (max.) <sup>3)</sup>	$K_w$	0.07 °
Torsional stiffness, dynamic <sup>4)</sup>	$C_{Tdyn}$	3,070 kNm/rad
Proportionate damping	$\Psi$	1.4
Total weight	m	300 kg

### Connection 1 part 1<sup>7)</sup>

Hub length	220 mm
hub diameter	250 mm
Bore (max)	140 mm
Pilot hole	98 mm

### Product-specific options

Elastomer	buffer NBR 80 Shore A
Axial misalignment (max.)	2 mm

### Balance state

Method	DIN ISO 21940-11 component balance
Speed	1,500 rpm
Balancing quality	G 16



### Connection 2 part 2<sup>7)</sup>

Hub length	220 mm
hub diameter	250 mm
Bore (max)	140 mm
Pilot hole	98 mm

### Corrosion protection

Preservation	CUSTOS 70-51-3 - indoor storage up to 3 months
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## Note

- 1) The formula symbols are defined in Catalog.
- 2) The permissible axial offset is applicable for offsets that slowly occur, e.g. as a result of thermal expansion of the coupled shaft.
- 3) Permissible shaft offset at rated speed 1500 rpm.
- 4) Torsional stiffness at  $0.5 \cdot TKN$ , excitation amplitude of  $0.1 \cdot TKN$  with 10 Hz, ambient temperature  $20^{\circ}\text{C}$ .
- 7) The orderer is responsible for verifying the design strength of the shaft-hub connection.