

Data sheet FLENDER couplings

RUPEX RWN 400

Version according to the catalog FLE 10.2

2LC01313AA990AA0

Product

Series	RUPEX
Type	RWN
Size	400
Scope of supply	complete coupling
Torsional stiffness	Torsionally flexible
Shaft distance S	4.5 mm

Basic data¹⁾

Rated coupling torque	T_{KN}	12,500 Nm
Alternating coupling torque	T_{KW}	2,500 Nm
Maximum coupling speed	n_{Kmax}	2,050 1/min
Operating temperature (min.)	T_{min}	-50 °C
Operating temperature (max.)	T_{max}	80 °C
Axial misalignment (max.) ²⁾	K_a	± 1.5 mm
Radial misalignment ³⁾	K_r	0.52 mm
Angular misalignment (max.) ³⁾	K_w	0.07 °
Torsional stiffness, dynamic ⁴⁾	C_{Tdyn}	1,130 kNm/rad
Proportionate damping	Ψ	1.4
Total weight	m	7.75 kg

Connection 1 part 1⁷⁾

Hub length	160 mm
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Product-specific options

Elastomer	buffer NBR 80 Shore A
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Balance state

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



Connection 2 part 2⁷⁾

Hub length	160 mm
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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 $0.5 \cdot T_{KN}$, excitation amplitude of $0.1 \cdot T_{KN}$ with 10 Hz, ambient temperature 20°C.

7) The orderer is responsible for verifying the design strength of the shaft-hub connection.