

# Data sheet FLENDER couplings

## N-EUPEX FLE10.2 B 68

Version according to the catalog FLE 10.2

2LC01701AA110AA0

### Product

Series	N-EUPEX FLE10.2
Type	B
Size	68
Scope of supply	complete coupling
Torsional stiffness	Torsionally flexible Overload withstand capability
Shaft distance S	0.118 in.

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

Rated coupling torque	$T_{KN}$	425 lbf-in
Maximum coupling torque	$T_{Kmax}$	1,283 lbf-in
Maximum coupling speed	$n_{Kmax}$	8,400 rpm
Operating temperature (min.)	$T_{min}$	-22 °F
Operating temperature (max.)	$T_{max}$	176 °F
Axial misalignment (max.) <sup>2)</sup>	$K_a$	± 0.039 in.
Radial misalignment <sup>3)</sup>	$K_r$	0.008 in.
Angular misalignment (max.) <sup>3)</sup>	$K_W$	0.15 °
Torsional stiffness, dynamic <sup>4)</sup>	$C_{Tdyn}$	11,152 lbf-in/rad
Proportionate damping	$\Psi$	1.4
Total weight	m	1.7 lb

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

Hub length	0.787 in.
hub diameter	2.677 in.
Bore (max)	1.102 in.

### Product-specific options

Elastomer	flexibles NBR 80 Shore A
Axial misalignment (max.)	1 in.

### Balance state

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



### Connection 2 part 4<sup>7)</sup>

Hub length	0.787 in.
hub diameter	1.969 in.

### 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 68°F.
- 7) The orderer is responsible for verifying the design strength of the shaft-hub connection.