Data sheet FLENDER couplings
N-EUPEX FLE10.2 H 160

Version according to the catalog FLE 10.2

2LC01707AG110AC0

Product

Series	N-EUPEX FLE10.2
Type	H
Size	160
Scope of supply	complete coupling
Torsional stiffness	Torsionally flexible
	Overload withstand capability
Shaft distance S	7.087 in.

Basic data[1)]

Rated coupling torque	T_{KN}	7,435 lbf-in
Maximum coupling torque	T_{Kmax}	26,552 lbf-in
Maximum coupling speed	n_{Kmax}	5,100 rpm
Operating temperature (min.)	T_{min}	-22 °F
Operating temperature (max.)	T_{max}	176 °F
Axial misalignment (max.)[2)]	K_a	± 0.039 in.
Radial misalignment[3)]	K_r	0.012 in.
Angular misalignment (max.)[3)]	K_W	0.1 °
Torsional stiffness, dynamic[4)]	c_{Tdyn}	348,720 lbf-in/rad
Proportionate damping	Ψ	1.4
Total weight	m	39 lb

Connection 1 part 1[7)]

Hub length	2.362 in.
hub diameter	4.252 in.
Bore (max)	2.756 in.

Connection 2 part 5[7)]

Hub length	2.756 in.
hub diameter	4.252 in.
Bore (max)	2.756 in.

Technical data of the spacer

Length	LZ	6.358 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

Corrosion protection

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

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 * TKN, excitation amplitude of 0.1 * TKN with 10 Hz, ambient temperature 68°F.

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