

COUPLINGS FOR ANGULAR AND RADIAL MISALIGNMENT

INKOFLEX-coupling

Design och function

INKOFLEX Couplings are designed for torque transmission between shafts, whose alignment cannot be guaranteed due to methods of manufacture and assembly and for shafts whose alignment varies during operation. The INKOFLEX Coupling accommodates both radial and angular misalignment. Changes in alignment may occur during running.

INKOFLEX possesses the following features:

- Torsionally stiff whilst accommodating radial and angular misalignment
- Totally synchronous transmission
- Short overall length
- No radial forces transmitted to bearings
- Angular misalignment of up to 5°, radial misalignment up to 1,5 mm
- Maintenance free
- All-steel construction

The INKOFLEX range comprises two basic designs:

1. Type IFK is a complete coupling.
2. Type IFE (single disc type) is a module for use with parallel shaft coupling type PK or in combination with other transmission elements, torque limiters, etc.

Patents for the INKOFLEX Coupling have been applied for in all industrial countries of the world.

Couplings having special dimensions are possible.

Please contact our local technical sales office.



Configurations

INKOFLEX Couplings are available as follows:

A 1 = standard design

Outer discs have tapped mounting holes for assembly to flanged components. The number of mounting holes on pitch circle diameter 'C' is the same as the number of flexing drive modules.

A 2 = hub design

Both outer discs have integral outward facing hubs.

A 3 = Shrink disc design

This is the A 1 design with sep. outward facing flanged hubs with INKOFIX shrink disc keyless connectors
For dimensions see page 37.

A 4 = flanged hub design

This is the A1 design with sep. outward facing flanged hubs suitable for keyed connection to shafts.
For dimensions see page 23.

A 5 = internal hub design

The integral hubs of both outer discs face inwards to provide a hub mounting (with keyway and set screw) coupling in the same length as design A 1.

A 6 = internal flanged hub design

As design A 4 but with the separable flanged hubs facing inwards.

A 7 = integral split hub design

This design allows fitting and removal without disturbing the input and output devices.

Possible combinations

All couplings can combine any of the above designs, i.e. outer discs may differ, e.g. A 1/A 2 is standard design A 1 on one side with an A 2 integral hub at the other.

Specials

We can integrate a number of different components such as sprockets, gears and special flanges with the standard design.

INKOFLEX design IFE

The INKOFLEX single disc coupling IFE has the same number of drive modules as links in its complementary PK-Coupling. For each PK-Coupling there is a suitable INKOFLEX Coupling available to cater for angular misalignment. The INKOFLEX Coupling is attached to the PK-Coupling by means of threaded extensions from the drive modules.

