



SIZES FROM 0.05- 10 Nm BACKLASH FREE MINIATURE METAL BELLOWS COUPLINGS

GENERAL INFORMATION ABOUT R+W MINIATURE BELLOWS COUPLINGS:



SERVICE LIFE

R+W bellows couplings are fatigue resistant and wear free for an infinite service life, as long as the technical limits are not exceeded.

FIT CLEARANCE

Overall shaft / hub clearance of 0.01 - 0.05 mm

ROTATIONAL SPEED

Standard up to 10,000 rpm.
Over 10,000 rpm in finely balanced version; up to grade ISO G=2.5 is available.

TEMPERATURE RANGE

-30 to +110° C

SPECIAL SOLUTIONS

Various materials, tolerances, dimensions and performance ratings available for custom applications on request.

ATEX (Optional)

For use in hazardous zones 1/21 and 2/22, the metal bellows has been authorized under directive 94/9/EG and is available with certification.

BACKLASH FREE, TORSIONALLY STIFF MINIATURE COUPLINGS

SIZES FROM 0.05 - 10 Nm

MODEL

FEATURES

MK1



**with radial set screws
from 0.05 - 10 Nm**

- ▶ large bores available in small size
- ▶ integral dismounting groove eliminates the need for flats on shafts
- ▶ economy design

Page 52

MK2



**with clamping hub
from 0.5 - 10 Nm**

- ▶ easy mounting
- ▶ for highly dynamic applications
- ▶ finely balanced versions up to 90,000 rpm

Page 53

MKH



**with fully split clamping hub
from 0.5 - 10 Nm**

- ▶ lateral mounting possible
- ▶ easy installation and removal
- ▶ allows for pre-alignment of shafts

Page 54

MK3



**with expanding shaft
from 0.5 - 10 Nm**

- ▶ easy installation
- ▶ solution for mismatched shaft / bore diameters
- ▶ saves space and cost

Page 55

MK4



**with radial set screw and blind
mate connection
from 0.5 - 10 Nm**

- ▶ axial installation possible
- ▶ electrically and thermally isolating
- ▶ includes integral dismounting groove

Page 56

MODEL

FEATURES

MK5		<p>with clamping hub and blind mate connection from 0.5 - 10 Nm</p> <ul style="list-style-type: none"> ▶ axial installation possible ▶ electrically and thermally isolating ▶ easy mounting and dismounting 	Page 57
MK6		<p>with expanding shaft and blind mate connection from 0.5 - 10 Nm</p> <ul style="list-style-type: none"> ▶ full axial installation possible ▶ well suited to restricted installation space ▶ solution to mismatched bore / shaft diameters 	Page 58
MKS		<p>with conical clamping ring assemblies from 4.5 - 10 Nm</p> <ul style="list-style-type: none"> ▶ speeds up to 120,000 rpm ▶ naturally very well balanced due in part to self centering clamping system ▶ for high speed high precision applications 	Page 59
BKL		<p>with clamping hub up to 3 Nm</p> <ul style="list-style-type: none"> ▶ low priced ▶ light weight and low moment of inertia ▶ temperatures up to 200° C 	Page 60
FK1		<p>with radial set screw up to 1 Ncm</p> <ul style="list-style-type: none"> ▶ well balanced ▶ sterilizable 	Page 61