



# CROWNED GEAR COUPLINGS

## 1,900 – 2,080,000 Nm

CROWNED GEAR  
COUPLINGS **BZ**

### GENERAL INFORMATION ABOUT R+W CROWNED GEAR COUPLINGS:

#### FIT CLEARANCE

Overall shaft / hub clearance of 0.01 - 0.05 mm



#### TEMPERATURE RANGE

-30 to +100° C; higher temperatures on request



## CROWNED GEAR COUPLINGS

### 1,900 – 2,080,000 Nm

MODEL		FEATURES	
<b>BZ1</b>		<b>with keyway mounting or cylindrical bore for interference fit from 1,900 - 2,080,000 Nm</b> <ul style="list-style-type: none"><li>▶ high power density</li><li>▶ very low backlash</li><li>▶ economically priced</li><li>▶ low maintenance due to special crowned tooth design</li></ul>	Page 82 - 83
<b>BZA</b>		<b>with keyway mounting or cylindrical bore for interference fit from 1,900 - 2,080,000 Nm</b> <ul style="list-style-type: none"><li>▶ for spanning larger shaft distances</li><li>▶ high power density</li><li>▶ very low backlash</li><li>▶ low maintenance due to special crowned tooth design</li></ul>	Page 84 - 85
<b>BZ</b>		<b>Options / Special Solutions</b>	Page 86

# GENERAL INFORMATION

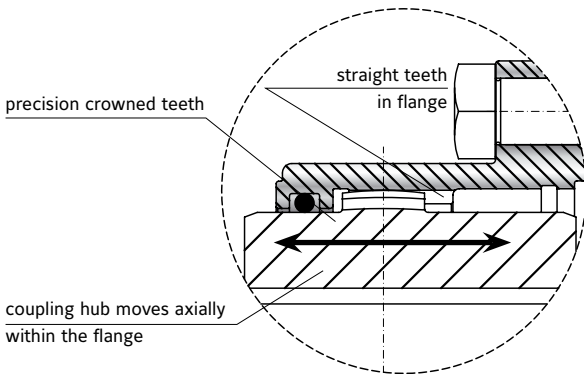
## CROWNED GEAR COUPLINGS

### FUNCTION OF THE GEAR COUPLING

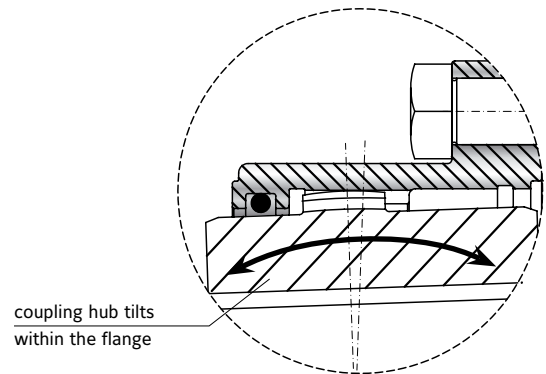
The precise integration of the coupling hub and intermediate flange allow for low backlash and highly rigid torque transmission, while compensating for lateral, axial and

angular shaft misalignment. The crowned geometry of the gearing allows for a long life, even without the presence of misalignment.

#### Axial misalignment



#### Angular and lateral misalignment



### APPROVED LUBRICANTS

► **Note:** Proper lubrication is very important to the service life of the coupling. An optional additional seal may be included in order to extend lubrication intervals.

High performance grease is recommended.

Normal speed and loads		High speed and loads	
Castrol	Impervia MDX	Caltex	Coupling Grease
Esso	Fibrax 370	Klüber	Klüberplex GE 11-680
Klüber	Klüberplex GE 11-680	Mobil	Mobilgrease XTC
Mobil	Mobilux EPO	Shell	Albida GC1
Shell	Alvania grease EP R-O or ER 1	Texaco	Coupling Grease
Total	Specis EPG		

### MAINTENANCE AND LUBRICATION

