

## UNI

### SELF-ALIGNING PILLOW BLOCK BEARING HOUSING



### APPLICATIONS

**Industrial** – Wind energy plants, car washes, cleaning machines, drum systems, bevelling equipment, handling systems, conveyor belts(pulleys), printing machines, heating and ventilation equipment, hoists, cranes, textile machinery, special machine engineering, bakery equipment, marine equipment.

### CHARACTERISTICS

- Adjusting bearing for misalignment equalisation
- All-purpose as flanged or pedestal bearing, suitable for high loads
- Self-aligning spheric avoids edge load to the bearing
- Adjustable up to  $\pm 5^\circ$
- Spheric is secured against distortion
- Depending on choice of housing, spherics and bearings, simple to most demanding bearing solutions are possible
- For optimum design solutions, various bearings from the GGB product programme are applicable

### AVAILABILITY

**Made to order**



## LOAD LIMIT VALUES FOR RADIAL FORCES

SIZE	BUSH ID	MAX. RADIAL LOAD [N] (HOUSING)	MAX. RADIAL LOAD [N] (BOLT)	MAX. SHEAR OFF LOAD [N] (BOLT)
1	10 - 25	20 000	10 000	1 000
2	28 - 40	30 000	15 000	1 500
3	45 - 60	50 000	25 000	2 500
4	65 - 80	90 000	45 000	4 500
5	85 - 100	125 000	62 500	6 000

## LOAD LIMIT VALUES FOR RADIAL FORCES

SIZE	BUSH ID	MAX. RADIAL LOAD [LBS] (HOUSING)	MAX. RADIAL LOAD [LBS] (BOLT)	MAX. SHEAR OFF LOAD [LBS] (BOLT)
1	10 - 25	4 400	2 200	220
2	28 - 40	6 700	3 300	330
3	45 - 60	11 200	5 600	560
4	65 - 80	20 100	10 000	1 000
5	85 - 100	28 000	14 000	1 300

The given data for UNI bearing housings are valid for 12.9 screws (DIN EN 20898, part 1), since the housing stability exceeds the permissible load of the fixing screws.