

GTB 1250



 **geartec.cz**

Single flank testing machine for spiral bevel gears

Specifications

- | | |
|-------------------------|-----------------------|
| • max. diameter of gear | 1250/2000 mm (50/80") |
| • pinion hole diameter | 310 mm |
| • gear mounting dist. | 145 ... 700 mm |
| • pinion mounting dist. | 380 ... 1300 mm |
| • hypoid offset | -100 ... +100 mm |
| • shaf angle | N/A |
| • max. speed | 100 rpm |
| • max. measuring speed | 30 rpm |
| • max break | 450 Nm |
| • max. weight of gear | 2000 kg |
| • max. weight of pinion | 1000 kg |
| • diameter of table | 600 mm / 900 mm |
| • machine weight | 12 500 kg |
| • dimensions (LxWxH mm) | 3000 x 4000 x 3200 |
| • accuracy | DIN 3965 / class 1 |

Measuring

- single flank deviations F_i' , f_i' , f_i' , f_k'
- backlash
- roundness, eccentricity
- contact pattern - digital camera
- pitch deviation of gear and pinion
- FFT data analysis, spectrum

Features

- collision detection system
- both spindles driven
- backlash verification when going to contact
- safety system (SICK)