

## MT 123 Assembly exercise: spur and worm gear

Order code: 5201.05112300



Information about product price on demand

Parameters

Quantitative unit

ks

### MT 123 Assembly exercise: spur and worm gear

Spur and Worm Gear is a complete kit designed for training in assembly, maintenance, and repair.

It is part of the GUNT DigiSkills and Practice Line, offering hands-on experience with mechanical drive elements.

The kit includes a fully disassembled gear unit with small parts, assembly jigs, and a foam-inlay storage system.

Augmented reality features allow users to visualize machine elements, view exploded diagrams, and understand functions interactively.

Instructional materials, including PDFs, CAD files, STEP files, and videos, are accessible online through the GUNT Media Center.

## Technical Data & Specifications:

- **Gear Dimensions (without shaft couplings):** 282 x 138 x 188mm
- **Transmission Ratios:**
  - Spur gear stage:  $i = 2.83$
  - Worm gear stage:  $i = 12.33$
  - Total gear ratio:  $i = 34.94$
- **Spur Gear Stage:**
  - Pinion: Number of teeth:  $z = 24$ , Pitch module:  $m = 1\text{mm}$
  - Gear wheel: Number of teeth:  $z = 68$ , Pitch module:  $m = 1\text{mm}$
- **Worm Gear Stage:**
  - Worm:  $z = 3$
  - Worm gear wheel:  $z = 37$ , Pitch module:  $m = 2.7\text{mm}$
- **Max. Output Torque:** 212Nm at  $1400\text{ min}^{-1}$
- **Shaft Connections:**
  - Drive:  $\varnothing \times L$ : 16x40mm
  - Driven:  $\varnothing \times L$ : 30x60mm

### Dimensions & Weight:

- **Storage System Dimensions:** 600 x 400 x 930mm
- **Weight:** Approx. 40kg

### Required for Operation:

- PC or online access recommended

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This assembly kit provides a practical and interactive learning experience for students and professionals working with mechanical drive systems.

The combination of hands-on assembly and digital resources ensures a comprehensive understanding of spur and worm gear mechanisms.