

## Straight Bevel Gear Set

**Company:** mG miniGears SpA

**mG**  
miniGears

**Application Sector:** Power Tools

**Requirements:** High tooth strength. Precision on tooth profile geometry.

**Benefits:** High production rate. Tooth precision.

**Final weight:** crown gear 86 g – pinion 12 g

**Product tensile strength:** crown gear 730 MPa – pinion 940 MPa

**Saturation induction;** NA

**Maximum permeability:** NA

**Coercive force:** NA

**Resistivity:** NA

**Process steps:** Crown gear: Compacting – Sintehardening - Deburring

Pinion: Compaction – Sintering – Heat treatment – Hole grinding -  
Deburring

