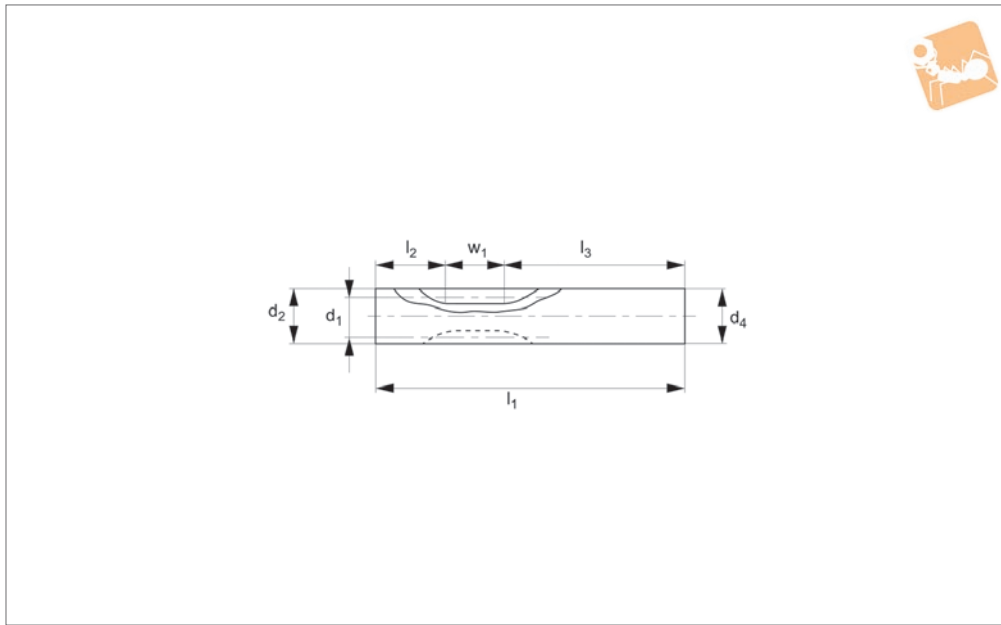




# Spur Gears - Module 1.5

carbon steel - 8-10 teeth



**R5198**

STANDARD SPUR GEARS

**Material**

Carbon steel (ISO C45).  
Accuracy to JIS B 1702-1 (ISO) class 8-9.

**Technical Notes**

20° pressure angle, full depth tooth.  
Amount of backlash when assembling gears = 0,06 - 0,15mm. Rack shift coefficient x = 0.5.

cient x = 0.5.

**Tips**

For module 1.5 hubless steel gears with 60-100 teeth see R5194. For gears with 8-10 teeth see R5198 & R5199, for gears with 12-14 teeth see R5200, for gears with 15-100 teeth See R5201 &

R5204 (reduced weight version).

Max. allowable torque (Nm) is based on standard operating conditions (see technical pages) with a safety factor of 1.2. For non standard applications apply a suitable safety factor depending on frequency of use, type of working etc.

| Order No.           | Module | No. of teeth z | Pitch dia. d <sub>1</sub> | d <sub>2</sub> | w <sub>1</sub> | d <sub>3</sub><br>tol. H9 | l <sub>1</sub> | l <sub>2</sub> | l <sub>3</sub> | Torque<br>Nm<br>max. | Weight<br>g |
|---------------------|--------|----------------|---------------------------|----------------|----------------|---------------------------|----------------|----------------|----------------|----------------------|-------------|
| <b>R5198.150-08</b> | m 1.5  | 8              | Shifted Gear *            | 16             | 18             | 16                        | 90             | 24             | 48             | 10.31                | 133.3       |
| <b>R5198.150-10</b> | m 1.5  | 10             | Shifted Gear *            | 19             | 18             | 19                        | 90             | 24             | 48             | 14.23                | 190.5       |