

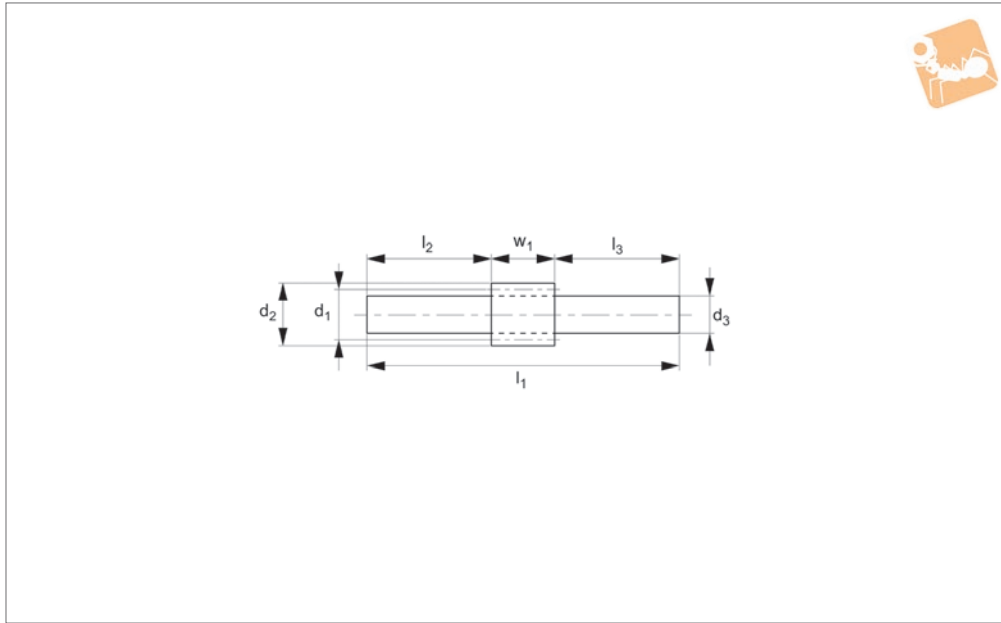


Spur Gears - Module 0.8 - Stainless

stainless steel - 14-20 teeth - boreless



Standard Spur Gears



R5144

STANDARD SPUR GEARS

Material

Stainless steel (SUS 304, JIS G 4303).
Accuracy to JIS B 1702-1 (ISO) class 9.

Technical Notes

20° pressure angle, full depth tooth.
Amount of backlash when assembling

gears = 0,016 - 0,048mm.

Tips

For a version of this product with a bore, see R5142. For stainless steel module 0.8 gears with 10-12 teeth, see R5141; for 16-120 teeth, see R5146.

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 ₁ | d ₂ | w ₁ | d ₃ tol. H8 | l ₁ | l ₂ | l ₃ | Torque Nm max. | Weight g |
|---------------|--------|----------------|---------------------------|----------------|----------------|---------------------------|----------------|----------------|----------------|----------------------|-------------|
| R5144.080-014 | m 0.8 | 14 | 11.2 | 12.8 | 7 | 6 | 95 | 28 | 60 | 0.95 | 25.2 |
| R5144.080-015 | m 0.8 | 15 | 12.0 | 13.6 | 7 | 6 | 95 | 28 | 60 | 1.06 | 26.0 |
| R5144.080-016 | m 0.8 | 16 | 12.8 | 14.4 | 7 | 6 | 95 | 28 | 60 | 1.18 | 26.9 |
| R5144.080-018 | m 0.8 | 18 | 14.4 | 16.0 | 7 | 8 | 95 | 28 | 60 | 1.42 | 44.1 |
| R5144.080-020 | m 0.8 | 20 | 16.0 | 17.6 | 7 | 10 | 95 | 28 | 60 | 1.66 | 66.0 |