

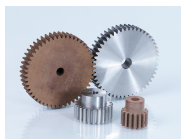
No force can be transmitted without gears

Spur gears and racks have been indispensable for 2000 years, and they surely will remain essential in the future. The technique would just be inconceivable without them. Displacements, logistics or mobility are finally very important to people, whether traditional, e-mobility or using other future technologies enable to move us.

Nozag has been in drive technology for more than 50 years and knows the changing requirements for gears, racks and other gear components. A wide selection of standard products in a variety of materials and versions is available and can be ordered online. We shall be glad to support you for the calculation – e. g. via NOZipedia – as well as personally for special versions or further machining.



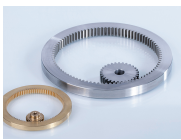
Spur gears transmit rotary motions on one hand to other spur gears which, according to their size, reduce or increase rotational speeds. On the other hand, motions can also be transmitted to racks in order to convert rotations into a linear motion to achieve a translation. Nozag offers a wide range of products to meet most varied requirements.



Spur gears range

- Module 0.5 to 6.0
- Steel, stainless steel, hardened and ground case hardening steel
- Milled brass
- Plastic, milled or injection-molded, with steel core
- Milled laminated fabric
- Straight toothed, helical toothed, spiral toothed
- Pressure angle 20 degrees
- Machined ready for installation

[to the product](#)

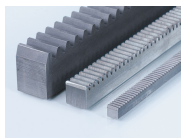


Internal ring gears range

- Steel, module 0.5, ϕ 25-120mm
- Steel, module 1.0, ϕ 25-180mm
- Steel, module 2.0, ϕ 60-200mm
- Brass, depending on the module 0.5 / 0.7 or 1.0, ϕ 20-100mm
- Straight toothed
- Pressure angle 20 degrees
- Machined ready for installation

[to the product](#)

[>> NOZipedia – Online calculation for spur gears/gearwheels](#)



Racks range

- Module 1.0 to 4.0
- Steel, brass, plastic
- Stainless steel, hardened and ground case hardening steel
- Straight toothed, helical toothed
- Pressure angle 20 degrees
- Special lengths on request
- Machined ready for installation

[to the product](#)



Round racks range

- Module 0.5 to 6.0
- Steel, stainless steel, hardened and ground case hardening steel
- Straight toothed
- Pressure angle 20 degrees
- Special lengths on request
- Machined ready for installation

[to the product](#)

Special versions for gearwheels, internal ring gears or racks

Does no standard product meet your requirements despite the wide variety of modules, materials, diameters or lengths? No problem – as from a minimum quantity, we will manufacture according to your dimensions and machine your product according to your drawing.

[>> More information on special versions](#)



Further machining, e. g. hard peeling, to improve the performance

Nozag will manufacture your spur gears and racks ready for installation and complement standard products with bores, keyways and many others. And, if you need higher performance, we can hard peel your products. Hard peeling generates a better surface finish and a surface hardness reaching 60 HRC. It will moreover improve the mounting tolerances and the wear.

[>> Hard peeling explained in a video](#)
[>> More details on hard peeling \(pdf\)](#)
[>> More details on further machining](#)



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