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Angular Transmission in Mechanical Engineering

Bevel gears are ideal whenever angular transmission of power and movement is required. Bevel gears excel by their high efficiency in continuous operation as well as the easy change of rotation in the same or the opposite direction. This gear type, characterized by drive axes with a common intersection point, is widely used in automotive and mechanical engineering, in automation and in conveying and lifting technologies. Nozag provides bevel gear units with various transmission ratios, speeds and torques or individual bevel gears in a variety of materials.



Individual Bevel Gears, Ready-to-Install

In our product range you will find bevel gears in different materials, with various transmission ratios and toothings. Tailor-made finishing on request, ready to install! A detailed catalogue provides advice and helps to select the right product.

Compact Bevel Gear Drives, a Ready-to-Install Unit

Are you looking for pre-finished units for your drive construction? For this purpose, two types of bevel gear units are available, allowing variable transmission ratios and speeds ranging from 0 to 2800 rpm. These compact units are the easiest way to an efficient and reliable solution for your bevel gear construction.



Type LMA - Lightweight construction in aluminum case with ratio 1:1 and torques up to 40Nm. Ideally suited for manual adjustment or power deflections with low performance requirements.



Type RM - Bevel gear drives for torques up to 1000Nm, with high concentric accuracy and very quiet. The standard ratios range from 1:1 to 1:5. High power density and compact design make it possible to use this gear in high performance applications.

Participate and win!

Your design with Nozag components is of value to us. Nozag products find their use in many different solutions and applications, sometimes even in most incredible and exotic designs. That's what we are looking for! Videos or movies on Youtube or even photos showing Nozag products in action. Send your contribution to harry.wuergler@nozag.ch. From among the contributions received before July 31, 2014, we will draw the winner of an exquisite culinary surprise from the Zurich Oberland region.

Drive Components by Nozag – Examples from our Product Catalogue



www.nozag.ch/en/kamaro

Kamaro – Bevel Gears Create Movement

The academic group «Kamaro» at the Karlsruhe Institute for Technology is constructing a field robot. A bevel gear drive facilitates the mobility of this robot.



www.nozag.ch/en/matrix

Optimizing the Maneuverability of a Mastic Paver

In dam construction and landfills, the slopes are usually reinforced by bituminous waterproofing. For the top layer of the structure, serving as protection against UV radiation, the civil engineering company Walo Bertschinger AG uses the Mastic Paver that is easy to maneuver through a bevel gear drive.

Now available - Catalogue With More than 8'000 Standard Components

The new 280-page catalogue with the complete range of standard components has been released. Order your personal copy here free of charge as print version or for download: www.nozag.ch.

We will be happy to advise you either by phone or on site.

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