

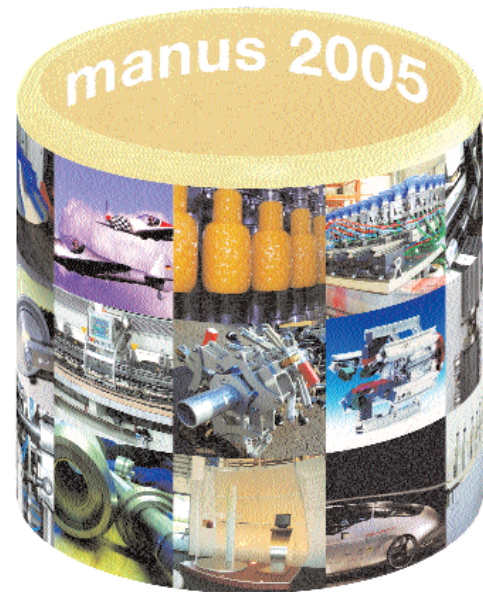
## Plastic plain bearings: 76 pages of tips for design engineers

igus (Cologne), researchers, developers and producers of high-performance polymer plain bearings have now published a brochure about the "manus" competition. On 76 pages design engineers can find a selection of around one hundred applications submitted for the 2nd competition for plastic plain bearing applications. In each case, the design challenge ("before") and solution ("after") are illustrated on the basis of lubricant-free plain and linear bearings.

The applications, which cover all areas, range from a set-head for small-sized tiles, pneumatic lifting equipment for aseptic filling machines and an angle sensor with special bearings for printing machines, through to automatic locks in soft tops, derailleur for mountain bikes (Olympic Gold 2004), concrete pipe cutters or beater for use in liquid media in biogas plants.

The practical guide is rounded off with recently discovered applications for plastic bearings. For example, in medical device technology: artificial knee joints, body scanners and notebook control bars for the blind. E-mail [akluth@igus.de](mailto:akluth@igus.de) for your free brochure.

In the past year, igus carried out about 5,000 tests in its own laboratories and developed around 120 new plastic compounds. The company now has 20 years of experience in polymer research.



Picture PM 1605-01: igus® GmbH, Cologne  
Applications on the basis of lubricant-free plain and linear bearings



Picture PM 1605-02: igus® GmbH, Cologne  
Plastic plain bearings: 76 pages of tips for design engineers

### PRESS CONTACT

André Kluth  
Corporate Communication Manager

igus GmbH  
Spicher Str. 1a  
D-51147 Köln  
Tel. +49 (0) 22 03 / 96 49 - 611  
Fax +49 (0) 22 03 / 96 49 - 631  
[akluth@igus.de](mailto:akluth@igus.de)  
[www.igus.de](http://www.igus.de)



DIN ISO 9001

The terms "igus", "Chainflex", "Easy Chain", "E-Chain", "E-Chain Systems", "E-Ketten", "E-KettenSysteme", "Energy Chain", "Energy Chain Systems", "Flizz", "ReadyChain", "Triflex", "TwisterChain", "DryLin", "iglidur", "igubal" and "Polysorb" are legally protected trademarks in the Federal Republic of Germany and in case also in foreign countries.