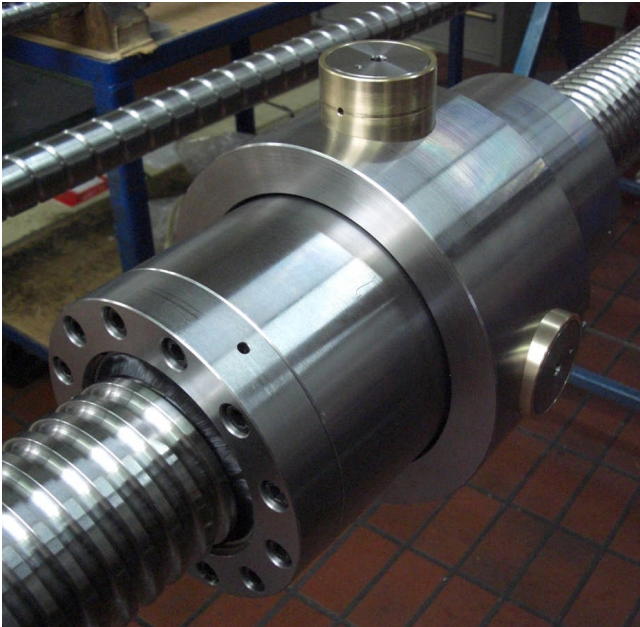
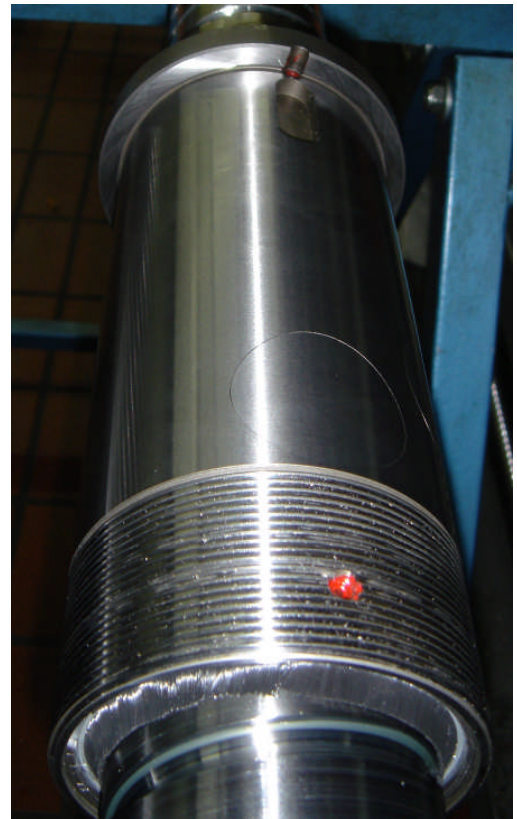


## Components for Machine Tools



**Precision  
Ball Screws  
for linear  
Motion**

**2009 02 18**



## BLIS Kugelgewindetriebe GmbH

**Wagner Gewerbepark**

Bruch 4

42279 Wuppertal

Handelsregister Hagen HRB 5784

Ust. Id. Nr. DE 126454386

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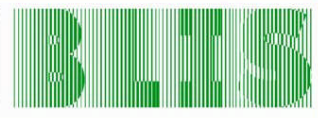
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Web [www.blis.de](http://www.blis.de)

Managing Director Heinrich Willms

Steuer Nr. 341/5739/0320



**BLIS Kugelgewindetriebe GmbH** is a medium size ballscrew manufacturer applying leading grinding and whirling technology to manufacture precision ballscrews **Made in Germany**.

Development and production of special ballscrew applications to customer design is a major strategic focus of **BLIS**:

- Ballscrews with the right hand /left hand thread in one piece
- High pitch ballscrews
- Low vibration ballscrews at great length
- Special applications such as welding robots, pick and place machines
- Stainless quality for example in the chemical and food industry
- Ballscrews for the nuclear industry
- High temperature ballscrews

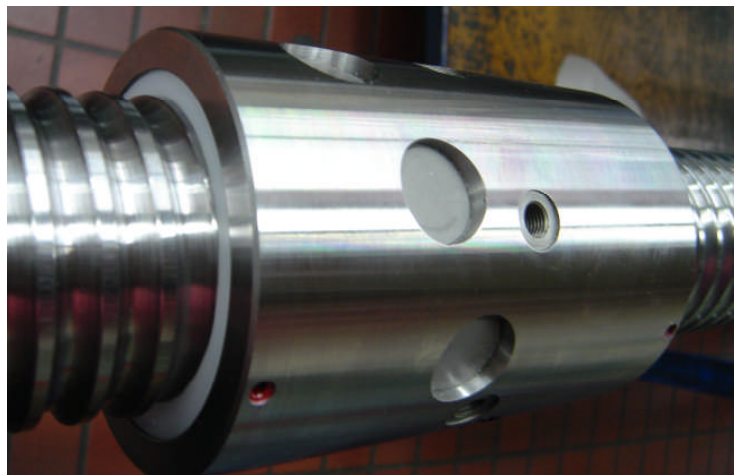
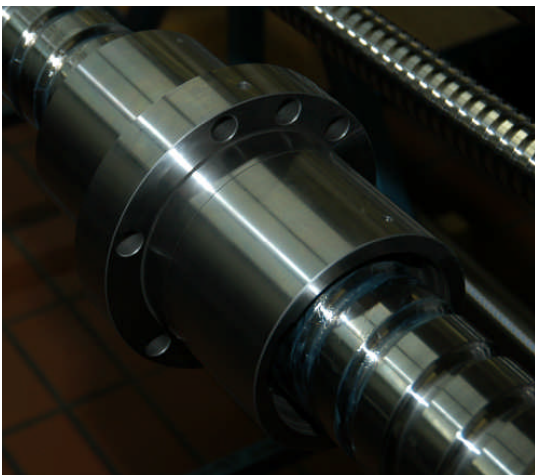
Customer design specific solutions with technical consulting support is **BLIS'** business concept.

**BLIS** also supplies also high precision trapezoidal screws according to customer's drawing.

**BLIS Kugelgewindetriebe GmbH** was founded in 1981 and today belongs to the leading ball screw suppliers in Germany and Europe.

**BLIS Kugelgewindetriebe GmbH** is **ISO 9001** certified. Each ballscrew has got its own serial number and is furnished with measuring protocol. Therefore it is guaranteed that the **BLIS** customer is always getting a quality product.

Working languages at **BLIS** headquarters in **Wuppertal** are **German, Englisch und Chinese**.



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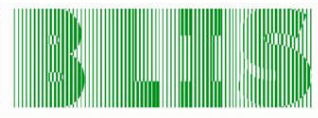
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# Product Range

**Type: Whirled and Ground**

**Class: C1 to C5 DIN 69051**

**Diameter: 8mm to 200mm**

**Thread length: up to 18.000mm**

**Total length: up to 20.000mm**

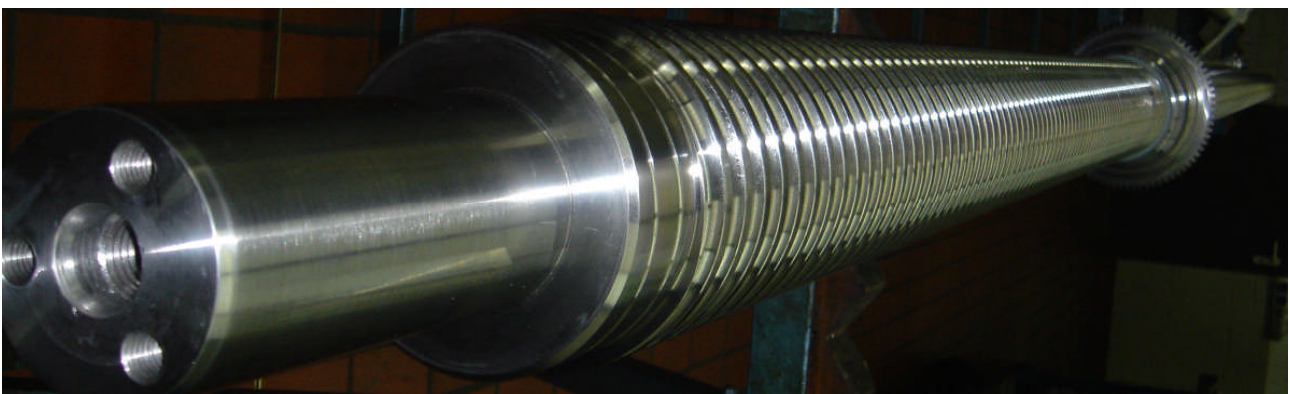
**Pitch: 2mm to 100mm**

**Ball diameter: 1mm to 30mm**

**Maximum Load**

**Dynamic 3.000KN**

**Static 15.000KN**



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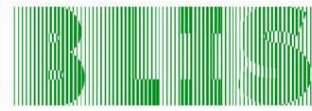
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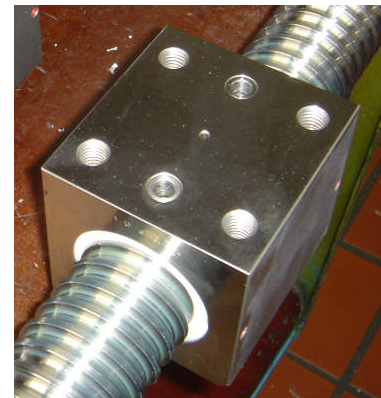
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## Ballscrews

## Productrange

Pitch	2	3	5	6	8	10	12	15	16	20	24	25	30	32	40	50	60	63	64	70	80	100	
Dia	1,5	2,0	3,5		3,5	3,5	3,5																
meter	1,5	2,0	3,5		3,5	3,5	3,5																
8																							
10																							
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120																							
125																							
140																							
160																							
180																							
200																							



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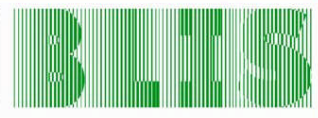
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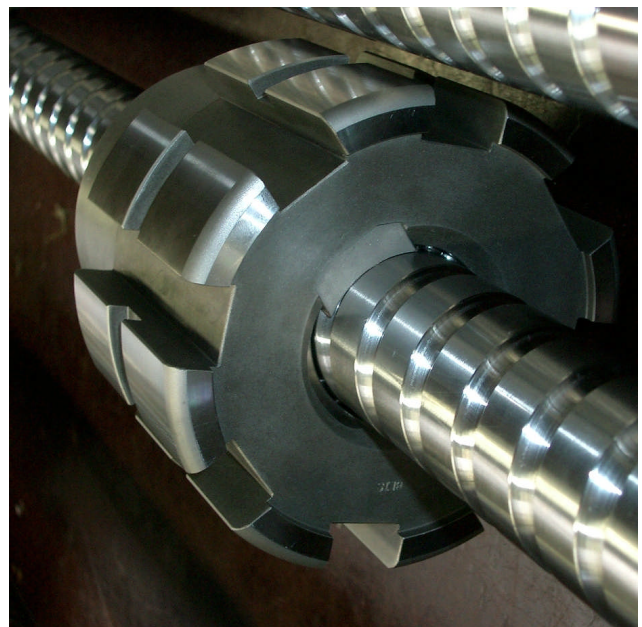
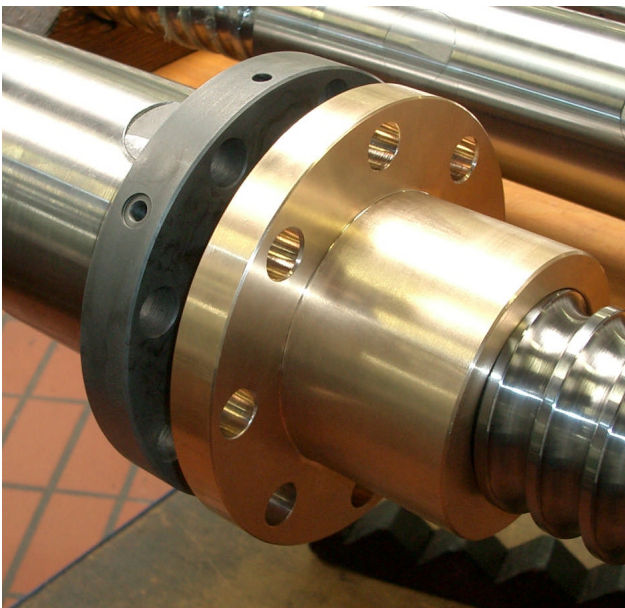
Steuer Nr. 341/5739/0320



## Special Products

**BLIS Kugelgewindetriebe GmbH** manufactures a wide range of special products according to customer needs:

- Customer specific housing
- Cardanic mounting
- Ballscrews for high temperature applications
- Stainless steel products
- Coated ballscrews
- Linear applications for
  - Nuclear industry
  - Chemical industry
  - Food industry
- Left and right hand thread on one shaft
- Special transfers



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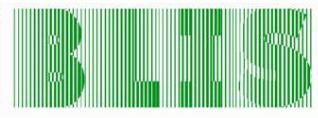
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Steuer Nr. 341/5739/0320

# BLITE

BLIS Linear Technology  
Made in Germany by BLIS  
Kugelgewindetriebe GmbH



# Application Engineering

## Process

Analysis of current situation  
Concept development  
Product design  
Prototype manufacturing  
Approval and modification  
Determination of cost and price  
Scale manufacturing

## Projects

Special driven nut for large machine tool  
Ball screw design for wafer transport  
PCB boring equipment  
Drive for pick and place machine  
High quality grinding machine  
Gear box components  
Double cardanic nut mounting

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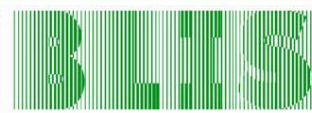
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**BLITE** BLIS Linear Technology  
Made in Germany by BLIS  
Kugelgewindetriebe GmbH



# Major Customers

Waldrich Coburg

Leistritz

DS Technology

Fooke

INA Schaeffler

SKF

Beijing No. 1 Machine Tool

Shenji Group Kunming Machine Tool



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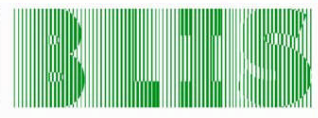
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# BLITE

BLIS Linear Technology  
Made in Germany by BLIS  
Kugelgewindetriebe GmbH



## Ballscrew Repair Service

**BLIS Kugelgewindetriebe GmbH** has a well equipped repair shop.  
The following services can be provided:

- Diagnosis of broken ballscrews
- Report on failure reasons
- Repair of ballscrews
- Drawing for new ballscrew as replacement for a broken ballscrew
- Technical consulting

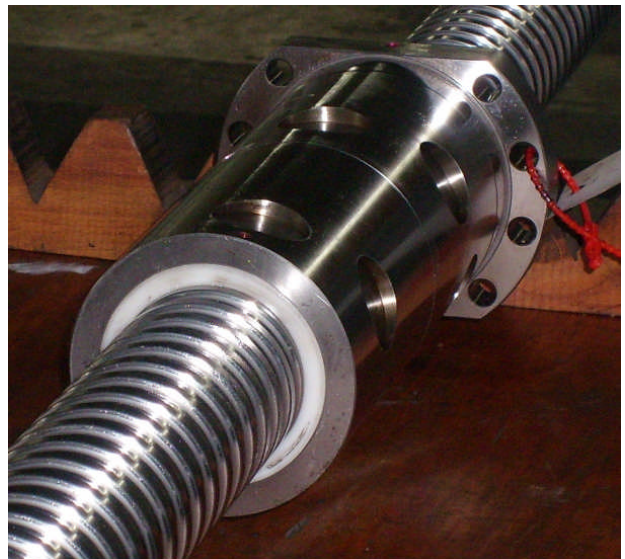
For urgent cases **BLIS Kugelgewindetriebe GmbH** offers a

**24h Service** and an  
**On Site Service:**

Ballscrews can also be checked and repaired on site at the customer.

### Result

#### Before



## BLIS Kugelgewindetriebe GmbH

### Wagner Gewerbepark

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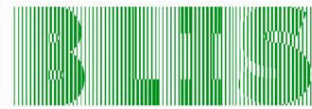
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**BLITE** BLIS Linear Technology  
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# CERTIFICATE

The TÜV CERT Certification Body  
of TÜV Rheinland Industrie Service GmbH

certifies in accordance with  
TÜV CERT procedures that



**BLIS-Kugelgewindetriebe GmbH**  
Katzbachstraße 12  
D - 58256 Ennepetal

has established and applies a quality management system for

**Construction, production and sales of  
ball-screws and linear systems**

An audit was performed, Report No. 000039.

Proof has been furnished that the requirements according to

**DIN EN ISO 9001:2000**

are fulfilled.

The certificate is valid until **2010-01-31**.

Certificate Registration No. **01 100 000039**



Cologne, 2007-03-08

First certification 2001



**TÜVRheinland**®

TÜV CERT Certification Body of  
TÜV Rheinland Industrie Service  
GmbH

[www.tuv.com](http://www.tuv.com)

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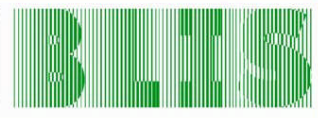
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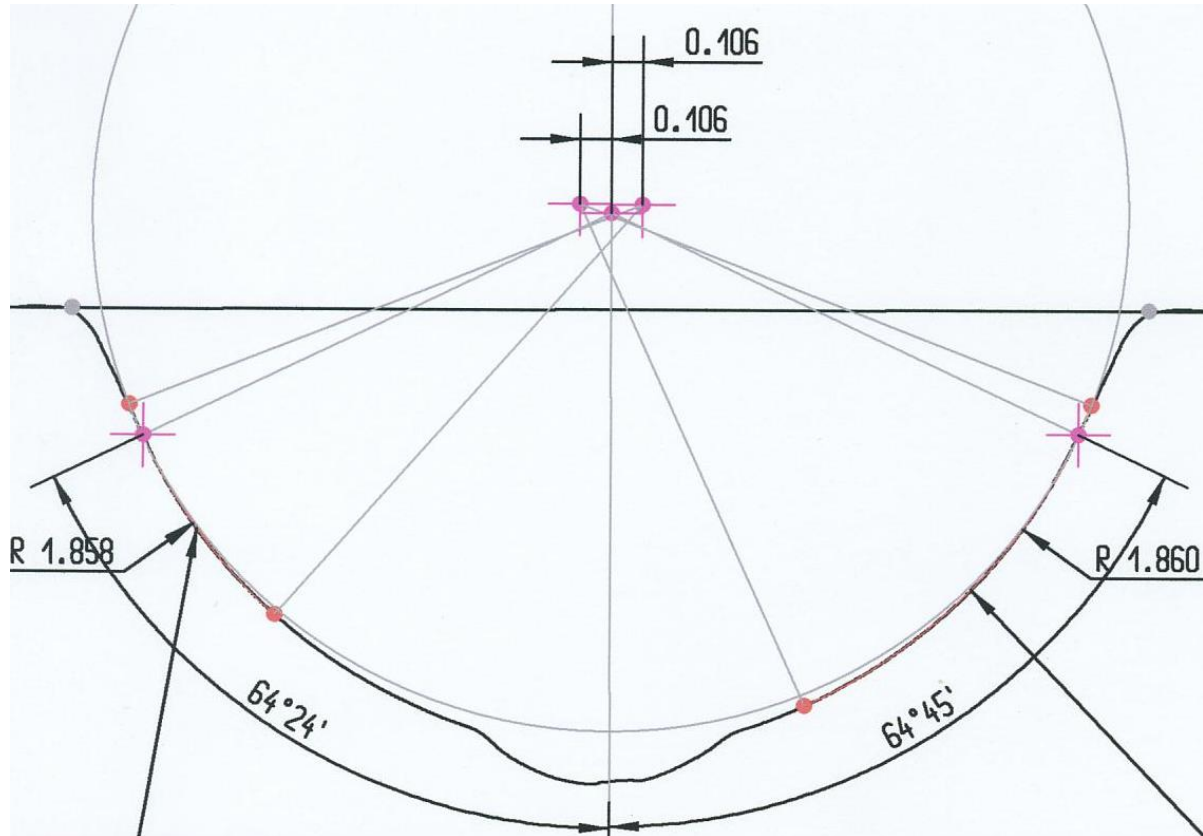
Web [www.blis.de](http://www.blis.de)

Managing Director Heinrich Willms

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# BLIS Profile



**Conformity: 52 %**

**Load angle: 60°**

**Implications:**

**High Load**

**Long lifetime**

## BLIS Kugelgewindetriebe GmbH

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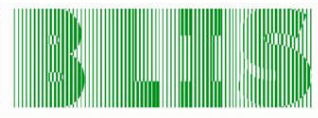
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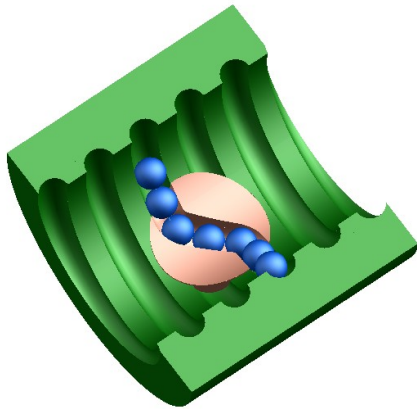
Managing Director Heinrich Willms

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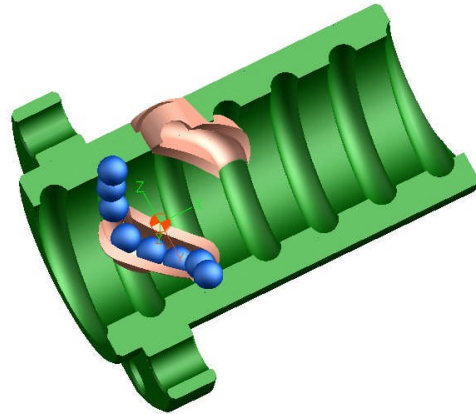
# Transfer Systems

Round Transfer



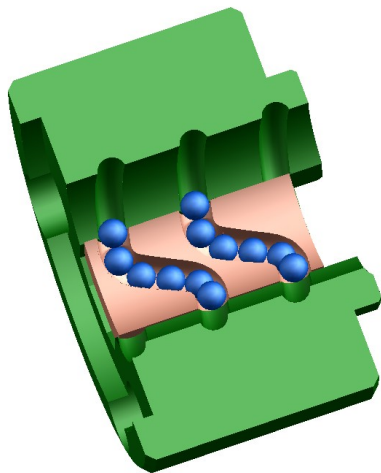
High number of turns

Oval Transfer



High RPM

Key Nut Transfer



High Pitch

Overall Transfer



High Load

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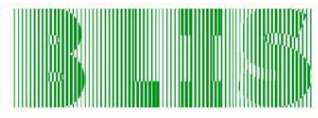
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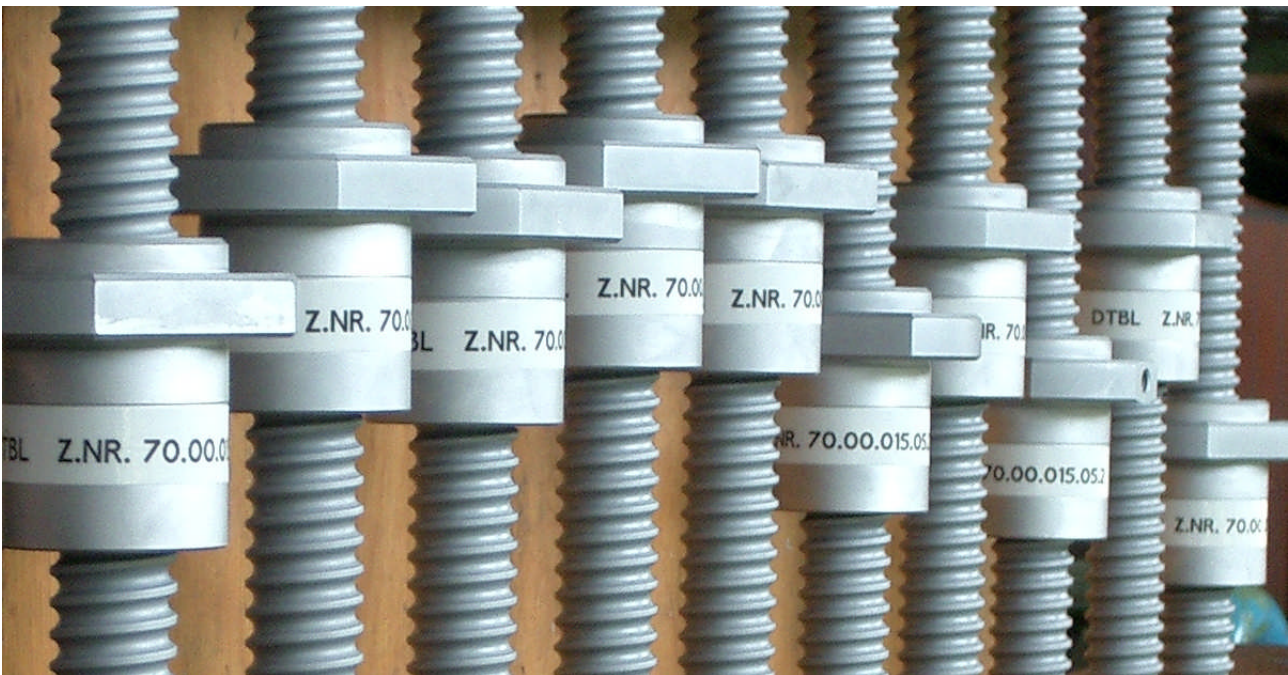


## Contacts

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Technical Support	430	<a href="mailto:entwicklung@blis.de">entwicklung@blis.de</a>



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