

DURBAL



DURBAL GENETIC CODE

VISION
TECHNOLOGY

since

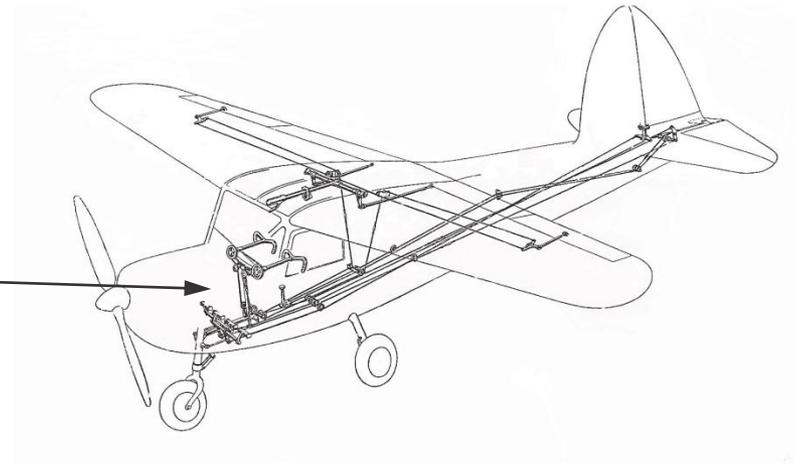
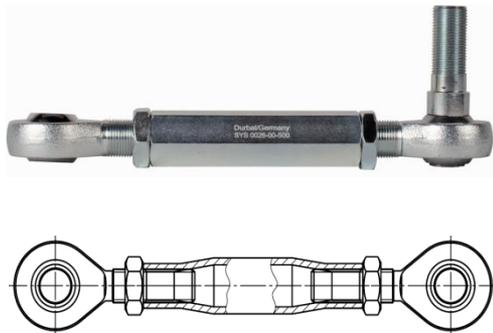
1938



HISTORY

1938 BERLIN

Wolfgang Schlegel was a hobby pilot and one day he has got the great idea to create a perfect product. He designed rod ends with integral ball bearing and control rods for aviation.



OUR COMPANY

- o **1938** Foundation of SCHLEGEL Luftfahrtgeräte, Berlin
by Wolfgang Schlegel
Products: rod ends with integral ball bearing and control rod for aviation
- o **1946** Foundation of MOTRA Maschinenbau, Nagold
by Wolfgang Schlegel
Products: Industrial products made of metal for automotive and mechanical engineering
- o **1950** Change of name in MOTA Maschinenbau GmbH
Products: bicycle frames, mopeds, motorbikes and vices

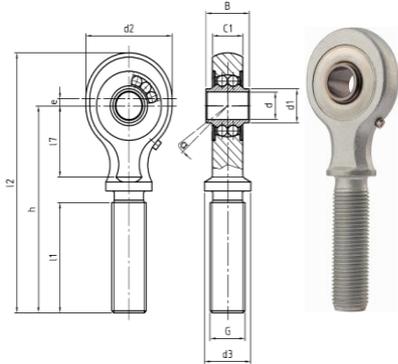
OUR COMPANY

- o **1954** Merger of MOTA Maschinenbau GmbH and EUGEN METZGER.
New company name METZGER & SCHLEGEL KG
Products: bicycle frames, mopeds, motorbikes and vices
- o **1959** Change of company name in SCHLEGEL KG, Öhringen
Products: Vices, fork joints, angle joints, carburettor rod, spherical and roller bearings
- o **1979** Outsourcing of SCHLEGEL vices production and foundation of DURBAL GmbH & Co.
Products: Spherical- and roller bearings in accordance to DIN and also custom made-bearings

OUR COMPANY

- o **1996** Certification of company group according to DIN EN ISO 9001:2000
- o **2004** Foundation of DURBAL Vertriebsgesellschaft mbH and implementation of the brand FERROBAL (today DURBAL Basic Line)
- o **2007** Certification according to ISO 14001:2004 (environmental management)

1938 – 1954 OUR PRODUCTS



o **1938 Schlegel** Rod ends with integral ball bearing



o **1950 MOTA** Bicycle frames, mopeds, motorbikes



o **1954 Schlegel** Vices

OUR PRODUCT RANGE TODAY

PREMIUM⁺

CLASSIC^x

BASIC^o

OUR PRODUCT RANGE TODAY

DURBAL PREMIUM-, CLASSIC- and BASIC-LINE

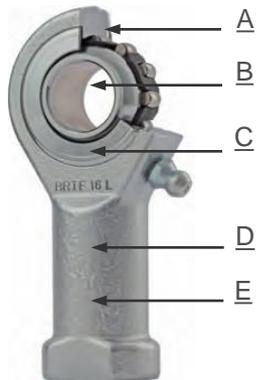


PREMIUM LINE

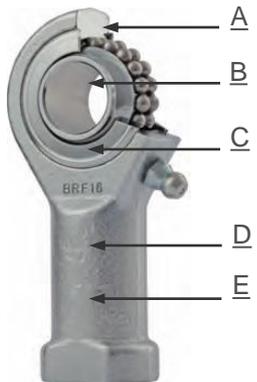


HIGHLIGHTS PREMIUM LINE

BRTM 16-00-502 / BRF 16-00-501



- A Radial clearance: 10-30 μm , low friction
- B Inner ring made of bearing steel, hardened, ball grooves super finished
- C Shields on both sides against rough dirt penetration
- D All rod ends housings are made of forged steel, case hardened bearing race
- E Low maintenance due to long-term greasing, especially suitable for high speed large swivelling angles or rotating movements



PREMIUM LINE



01-BRTF



01-BRTM
02-BRM



02-BRF



02-PM



02-PF

DURBAL HEAVY-DUTY ROD ENDS

01 - roller bearing

02 - ball bearing

PREMIUM LINE



01-WLT



01-WLT
02-WLK



02-WLK

DURBAL HEAVY-DUTY SPHERICAL-PLAIN BEARING

01 - roller bearing

02 - ball bearing

PREMIUM LINE



DURBAL HEAVY DUTY SYSTEMS

PREMIUM LINE



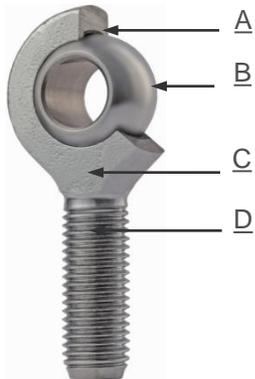
DURBAL CUSTOM MADE PRODUCTS

CLASSIC LINE



HIGHLIGHTS CLASSIC LINE

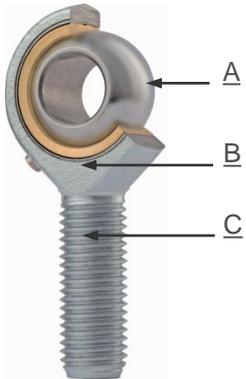
BEM 16-20-501



- A DURBAL-Glide (race) made of Polyamid-PTFE-fibreglass-Compound, maintenance free, absorbs any foreign particles
- B Joint ball made of bearing steel, hardened, ground, polished and hard chromium plated, ensures a reliable corrosion protection
- C No clearance – radial clearance 0 – 10 µm
- D All rod ends housings made of forged steel, tempered, extremely high load resistant

NEW BEMN 16-20-501

DURBAL maintenance required HEAVY-DUTY-ROD ENDS with pressed spherical-plain bearing, series K and E



- A Joint ball made of bearing steel, hardened, ground, polished and hard chromium plated, ensures a reliable corrosion protection
- B Grease nipple DIN 3405 D1/A, on request with special grease nipple
- C All rod ends housings made of forged steel, tempered, extremely high load resistant

CLASSIC LINE



01-BEM



01-BEM



01-BEF



02-EM



02-EF

DURBAL HEAVY DUTY ROD ENDS – maintenance free

01 – with integral spherical plain bearing, series K

02 – with integral spherical plain bearing, series E/EH

CLASSIC LINE



01-BEMN

01-BEMN

01-BEFN

02-EMN

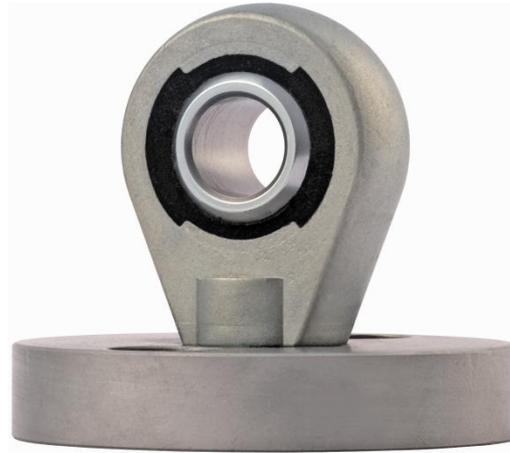
02-EFN

DURBAL HEAVY DUTY ROD ENDS – maintenance required

01 – with pressed spherical plain bearing, series K

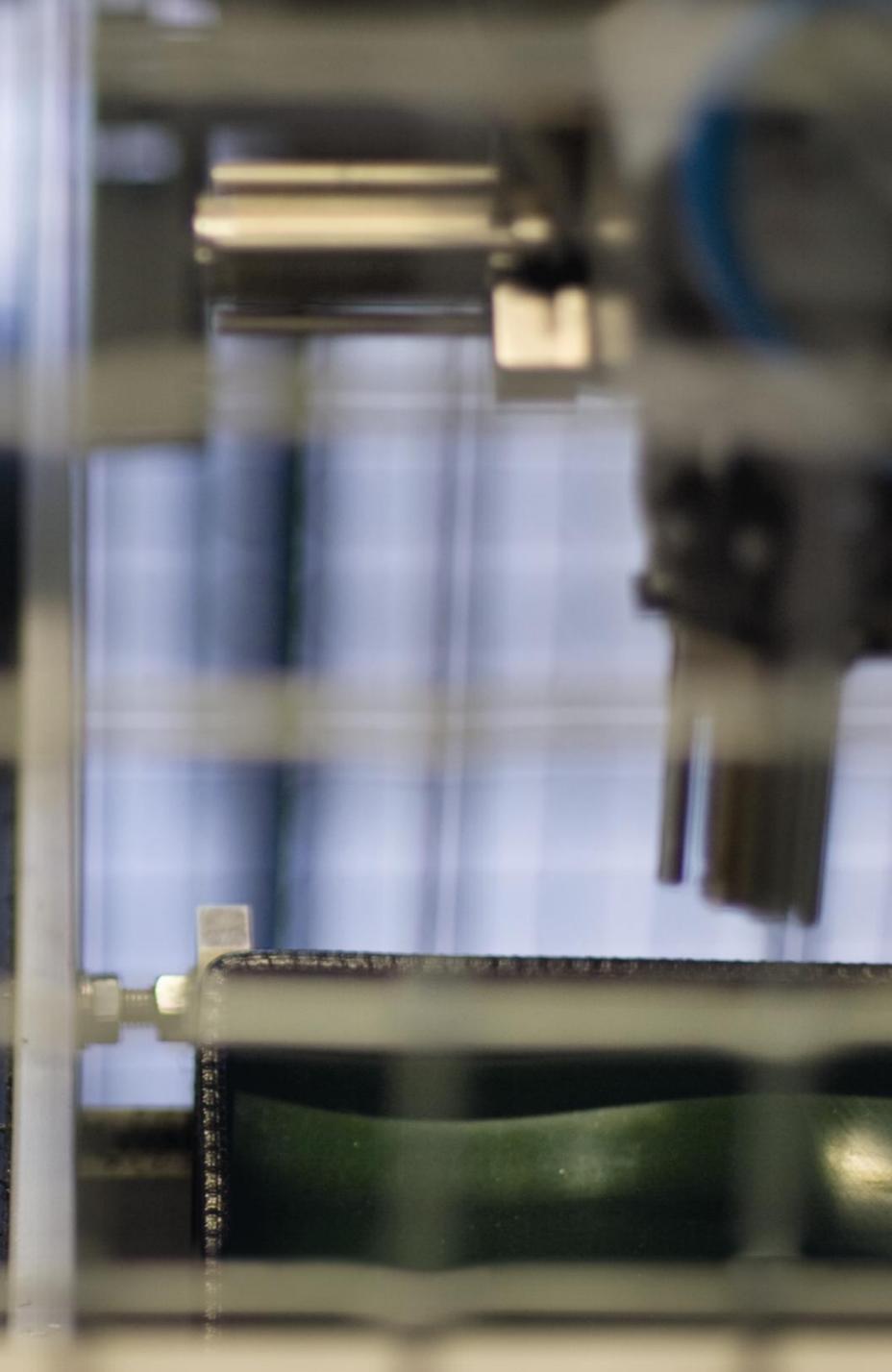
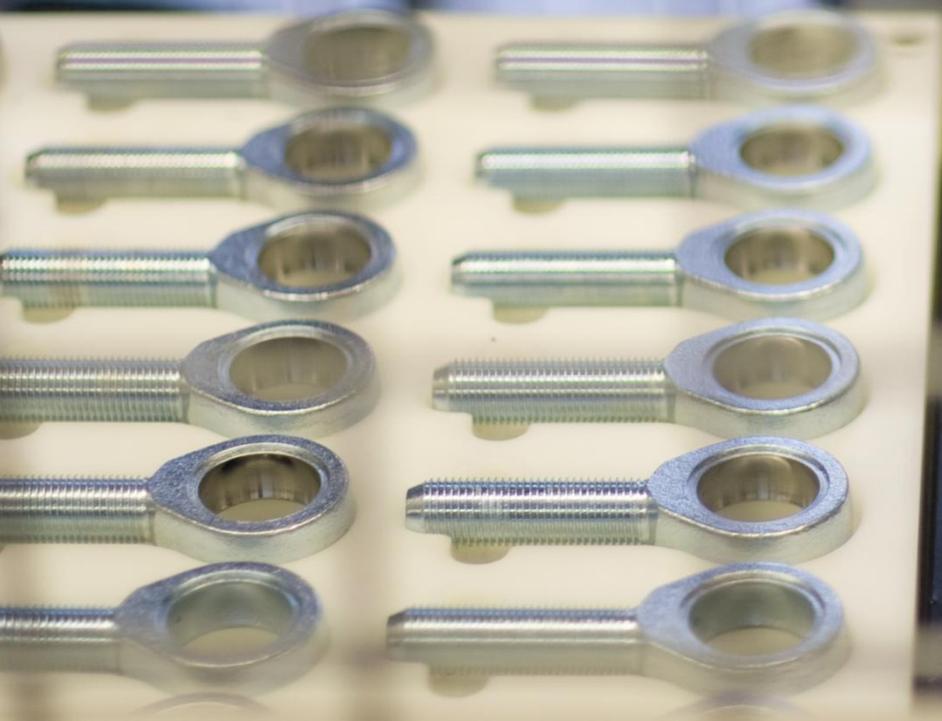
02 – with pressed spherical plain bearing, series E/EH

CLASSIC LINE



DURBAL CUSTOM MADE PRODUCTS

BASIC LINE



BASIC LINE



DSA_T/K
DSSA_T/K
01

DSI_T/K
DSSI_T/K
01

DGIR_UK(-2RS)
DGAR_UK(-2RS)
02

DPOS_/DSAZP_S
DPHS_/DSIZP_S
01

DSA_ES(-2RS)
DSI_ES(-2RS)
02

DURBAL STANDARD ROD ENDS – maintenance free & required

01 – with pressed spherical plain bearing, series K

02 – with pressed spherical plain bearing, series E

BASIC LINE



DURBAL SPHERICAL PLAIN BEARING

01 –spherical plain bearing, maintenance free

02 –spherical plain bearing, maintenance requires

BASIC LINE



DURBAL HYDRAULIC ROD ENDS

01 – with female thread and pressed spherical-plain bearing

02 – with welding end and pressed spherical plain bearing

BASIC LINE



DURBAL CUSTOM MADE PRODUCTS



DURBAL
accessories

DURBAL
accessories

DURBAL
accessories

DURBAL
accessories

FREIGABE

DÜRR

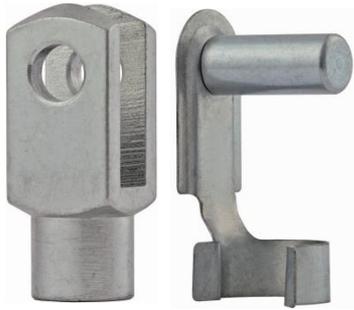
Ecoclean



Heiße
Oberfläche



BASIC LINE



DG_x_
DFKB_x_



DCS_x_M



GW_



BOK_



DDG_



DGS_

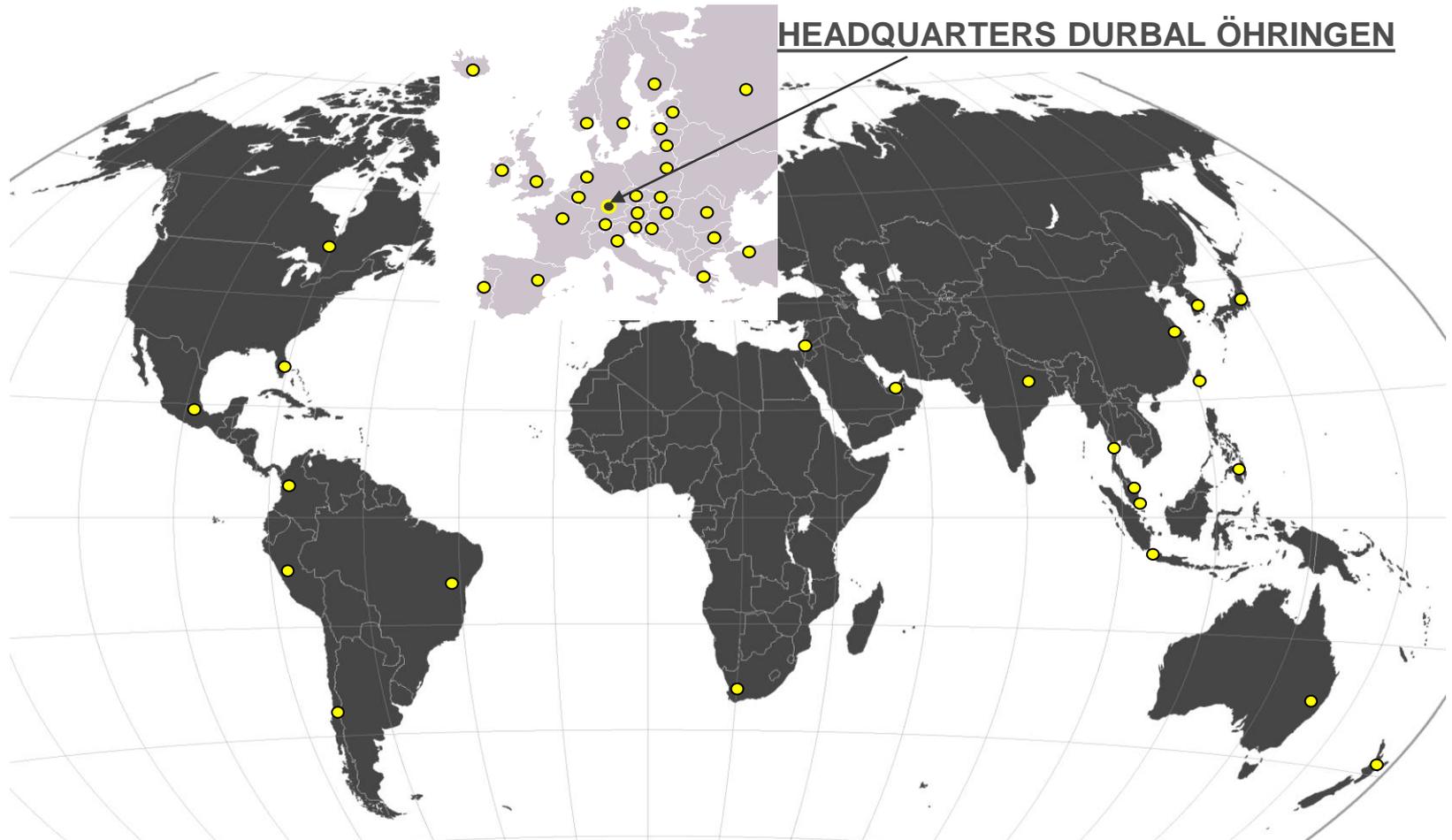


_00-936

DURBAL accessories

Clevises with suitable folding spring bolt, angle joints, threaded links and -bolts, washers, rubber protector caps, nuts

OUR MARKETS



DURBAL headquarters and main market Germany

Export in almost 50 countries

THANK YOU FOR
YOUR ATTENTION

www.durbal.de

DURBAL



DURBAL GENETIC CODE

VISION
TECHNOLOGY

since

1938

