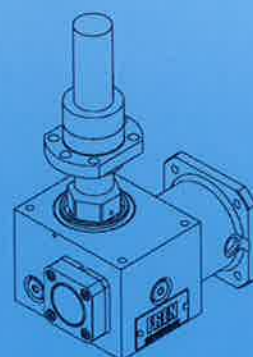




ENZFELDER GmbH

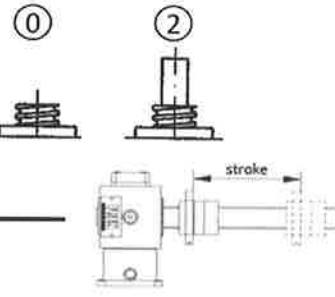
**Power transmission- and
lifting engineering**

**Servo lifting gear
Type SH**



FEM = Flanged single nut
 ZEM = Cylindrical single nut
 FEMV = Flanged single nut
 prestressed
 ZEMV = Cylindrical single nut
 prestressed
 FDM = Double flange nut
 ZDM = Cylindrical double nut

O = Version above
 U = Version below



H = horizontal
 V = vertical

00 = without motor
 M = with motor

00 = without
 nut housing
 MG = with
 nut housing

00 = without
 floating
 bearing
 LL = with floating
 bearing

Standard:
 10arcmin = 10 arcmin
 Special :
 5arcmin = 5 arcmin

Reductions:
 45 = 45:1
 30 = 30:1
 15 = 15:1

Refers to
 the axis distance

SH
 Servo
 lifting
 gear

SH 35 - 45(10arcmin) - FEM - O - 0 - 500 - H - M - MG - LL

Type

Gear size

Reduction i

Backlash

Traveling nut version

Version

Spindle nose

Stroke mm

Fitting position

Motor

Nut housing

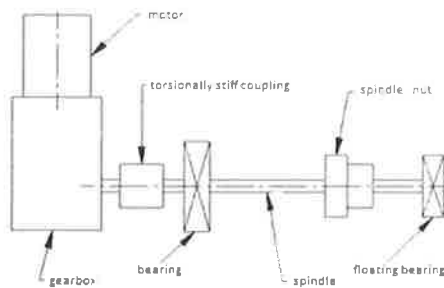
Floating bearing

SH

Servo lifting gear

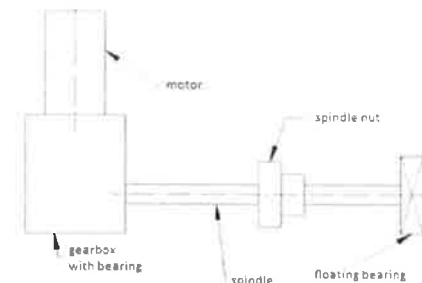
The revolutionary servo lifting gear series is one of the high-end products of the company Enzfelder. These transmissions are specially designed for the high demands of precise adjustment and driving elements. Only through years of experience and know-how of the company Enzfelder, it is possible to realize such a precise and simple gear. Thanks to a special gear a backlash torque transmission can be guaranteed. To really achieve the highest accuracy, it was also important to simplify and improve the previously existing types of drive.

Prior art to 2008



- Unnecessary expensive components
- Complicated mounting
- Very susceptible to stresses in the spindle
- Many different suppliers
- Requires lots of space

Enzfelder solution



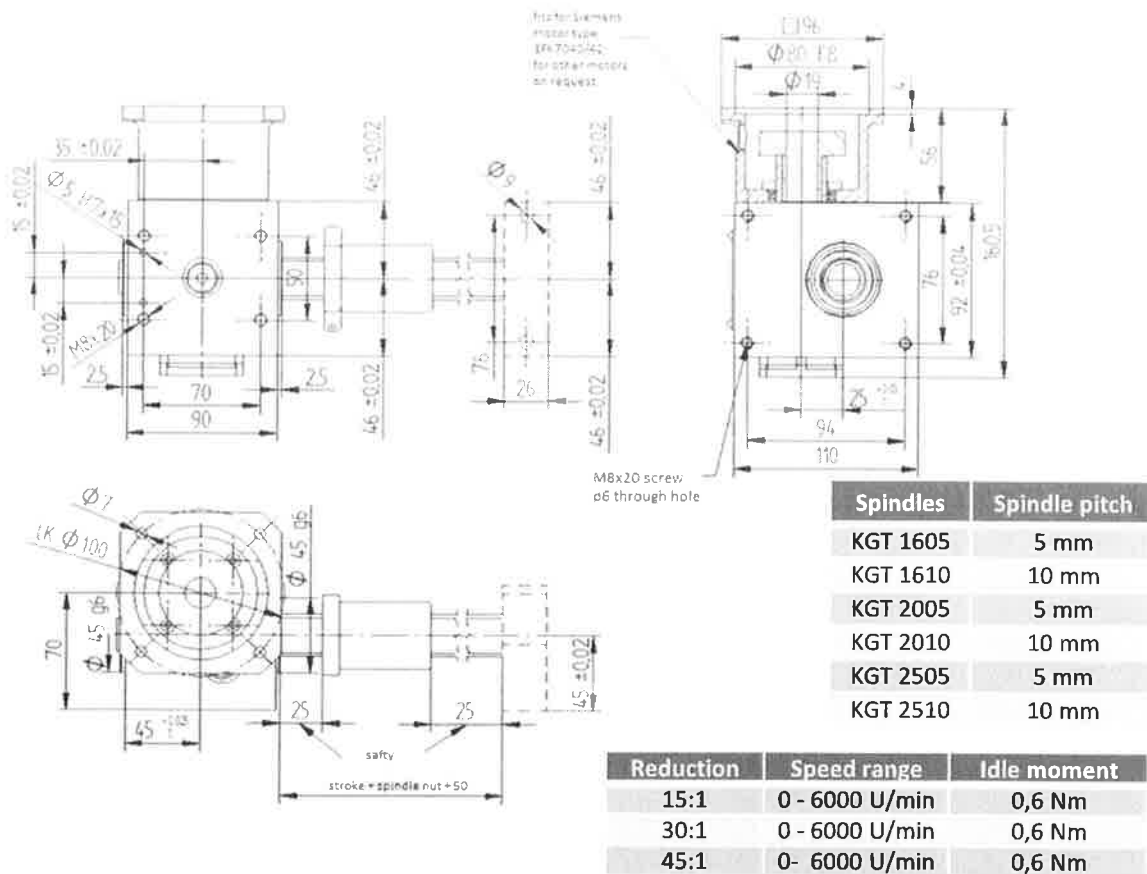
- + Effective overall concept
- + Easy installation
- + Space saving
- + Everything from one source
- + The highest possible efficiency
- + Positioning accuracy to 0.02 mm possible
- + Backlash of 10 arc minutes (on request 5 arcmin)
- + Adjustable backlash

The company Enzfelder solves the problem with a hollow shaft, in combination with a special clamping system. This makes it possible to connect the motor directly to the gearbox and so there is no play between the motor and gearbox.

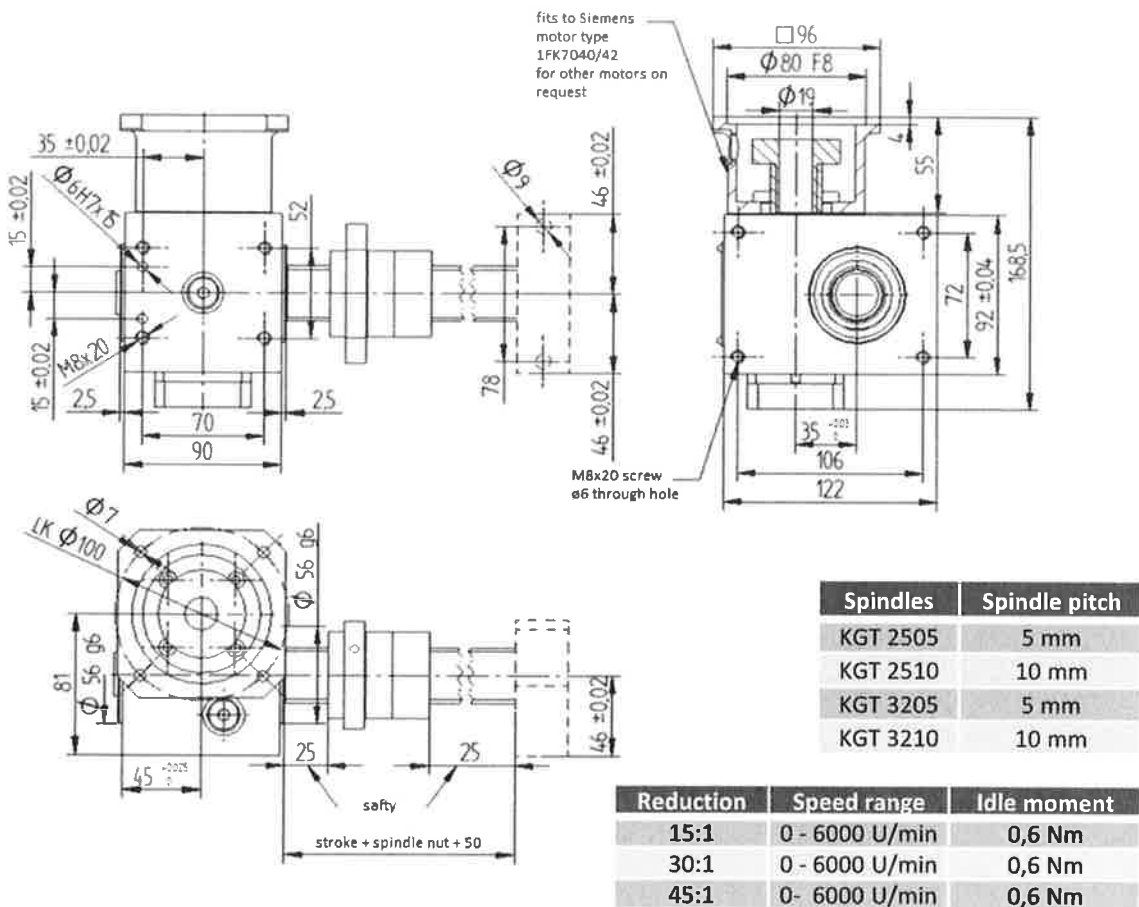
Advantages of servo lifting gear:

- + Compact design and maximum efficiency
- + High lifting speeds
- + Long life
- + Very precise torque transmission
- + Simple gear mounting
- + Large selection of custom equipment
- + Wide application range

Servo lifting gear SH 025



Servo lifting gear SH 035



Product overview 03/2015

| | | | | | | |
|--|---|--|---|---|--|--|
| SG Screw jack Classic | HSG High performance- Screw jack | BG Screw jack Cubic | SHG Quick-lifting screw jack | SH Servo lifting gear | TSGLR Telescopic spindle- Screw jack 2-stage | TSG Telescopic spindle- Screw jack 2-5 stage |
| SLA Spindlebearing | SEZ Spindlebearings- Cylinder | ELZ Electric cylinder | HELZ High performance- Electric cylinder | SHELZ Servo electric- cylinder | EPNEU Spindle- Electric cylinder | TSGZ Telescopic- spindlecylinder 2-5 stage And off-load |
| K Bevel gear Type K | H Bevel gear Type H | R / GS Elastic / backlash-free Coupling | RT Slip hub | ZR FREN | G / GX Elastic Connecting shaft | Cardan shaft |
| HT Lifting table mechanic / hydraulic | SW Rope winche | PLG Planetary gear | uniCe Worm gear | HA Lifting system | G / GX Elastic Connecting shaft | Special gear |
| | | | | | | |