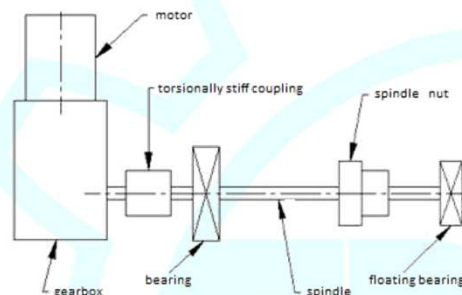


SH

Servo lifting gear

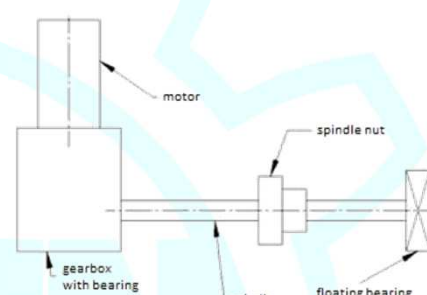
The revolutionary servo lifting gear series is one of the high-end products of the company Enzfelder. These transmissions are specially designed for the high demands of precise adjustment and driving elements. Only through years of experience and know-how of the company Enzfelder, it is possible to realize 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



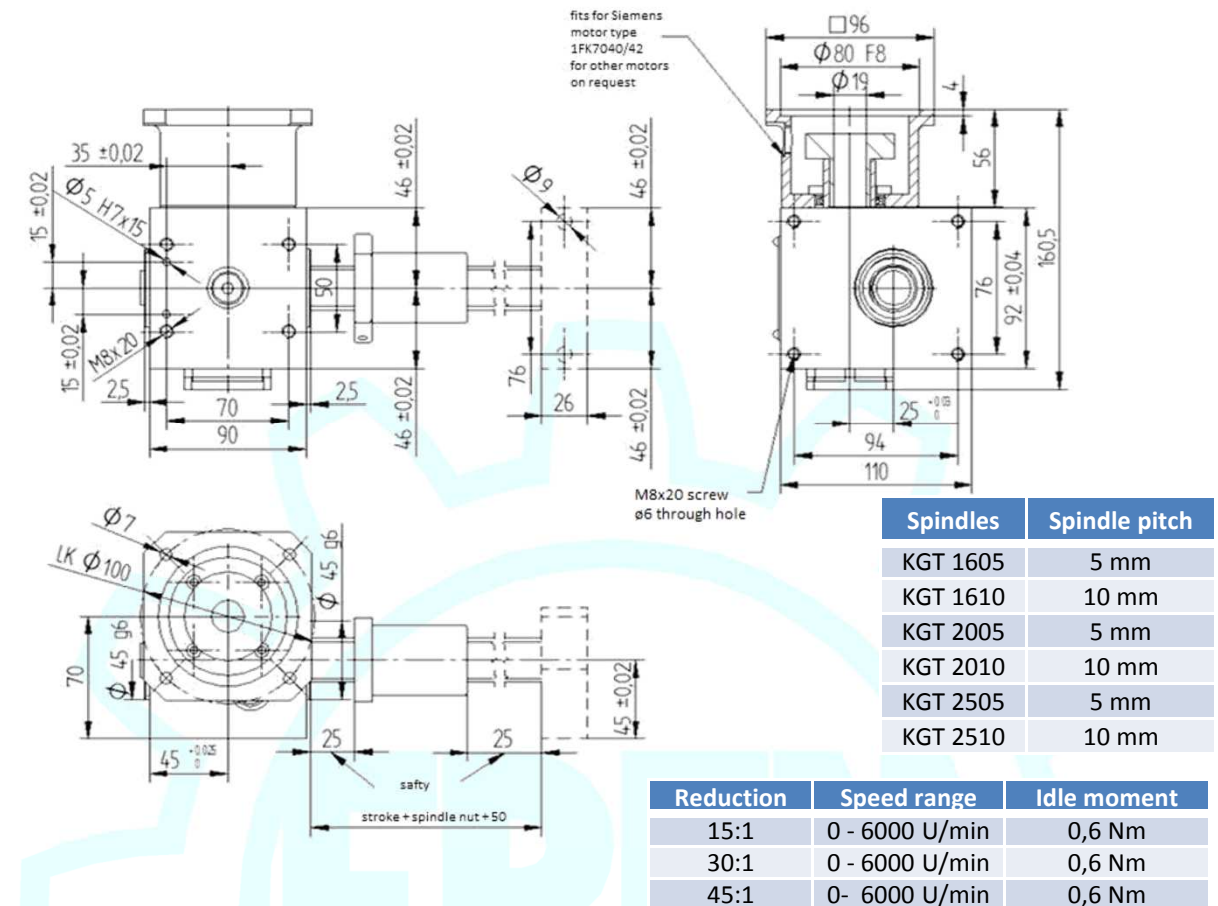
- + Effective overall concept
- + Easy installation
- + Space saving
- + Everything from one source
- + The highest possible efficiency
- + Positioning accuracy to 0.02 mm possible
- + Backlash of 10 arc minutes (on request 5 arcmin)
- + Adjustable backlash

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.

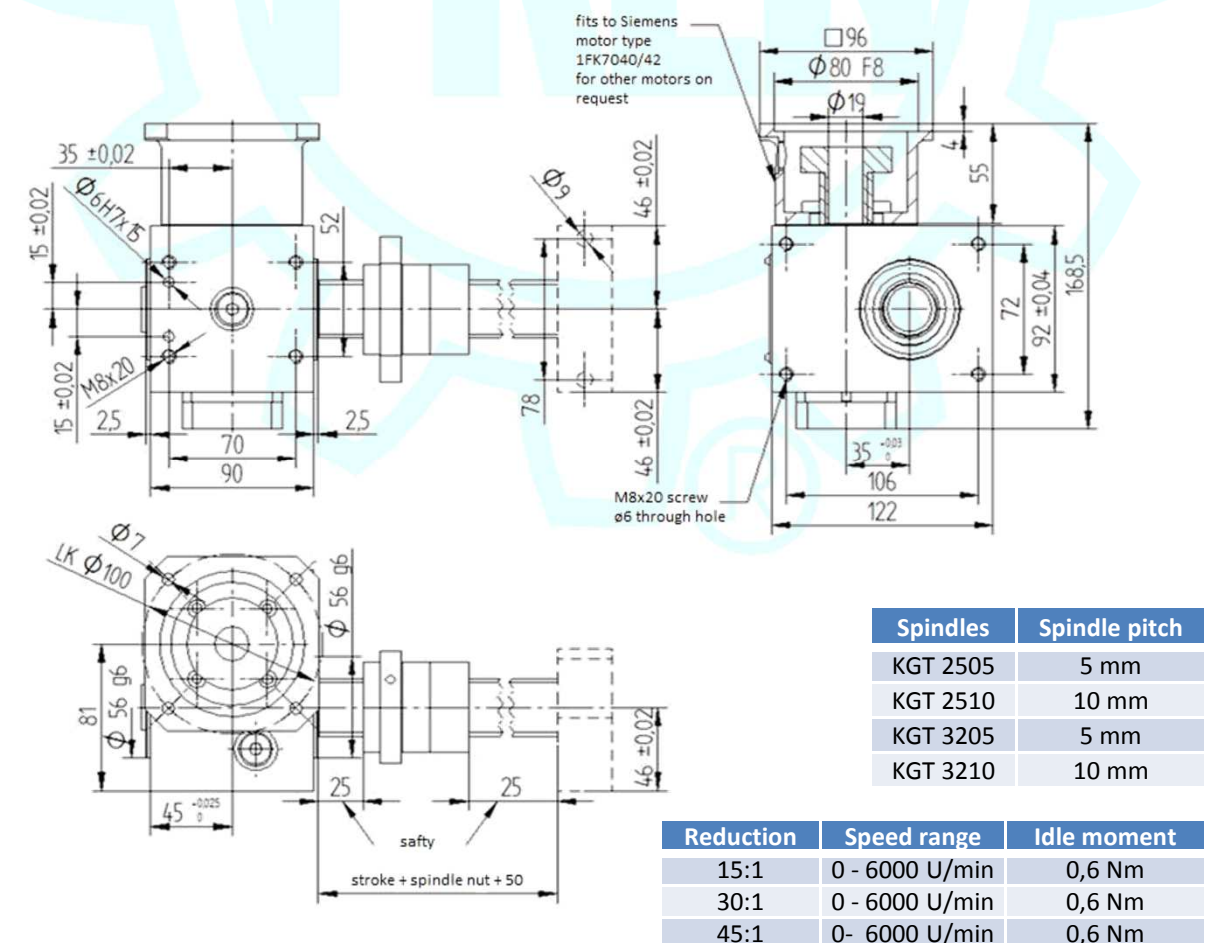
Advantages of servo lifting gear:

- + 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

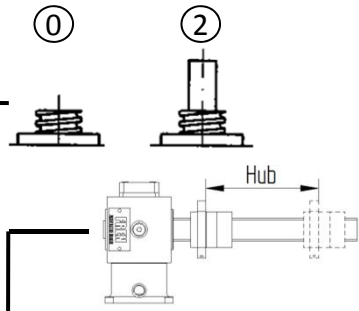


Servo lifting gear SH 035



FEM = Flanscheinzelmutter
 ZEM = Zylindrische Einzelmutter
 FEMV= Flanscheinzelmutter
 vorgespannt
 ZEMV= Zylindrische Einzelmutter
 vorgespannt
 FDM = Flanschdoppelmutter
 ZDM = Zylindrische Doppelmutter

O = Ausführung oben
 U = Ausführung unten



Standard:

10arcmin = 10 Winkelminuten

Sonder:

5arcmin = 5 Winkelminuten

Untersetzungen:

45 = 45:1

30 = 30:1

15 = 15:1

Bezieht sich auf
den Achsabstand

SH
Servohub-
getriebe

H = Horizontal
V = Vertikal

00 = ohne Motor
M = mit Motor

00 = ohne
Mutterngehäuse
MG = mit
Mutterngehäuse

00 = ohne
Loslagerung
LL = mit
Loslagerung

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

Getriebe-
typ

Getriebegröße

Untersetzung i

Winkelspiel

Laufmutterausführung

Ausführung

Spindelende

Nutzhub in mm

Einbaulage

Motor

Mutterngehäuse

Loslagerung