

**Novibra**



# LENA

Energy saving high-speed spindle

## LENA spindle sets new standards for high-speed spindles

Spindle LENA has been designed for the highest speeds with tube length up to 200 - 210 mm. Main goal is to achieve lower energy consumption.

### LENA stands for

LE – Low energy consumption

NA – Noise absorption. LENA is equipped with double housing bolster. This unique and well proven Noise Absorbing System Assembly (NASA) ensures minimum neck bearing load, vibration and noise level at high speeds.

Speed: up to 25 000 RPM

Standard wharve dia: 17,5 mm

Tubes: up to 200 – 210 mm

Suitable for yarn count Ne 30 and finer.

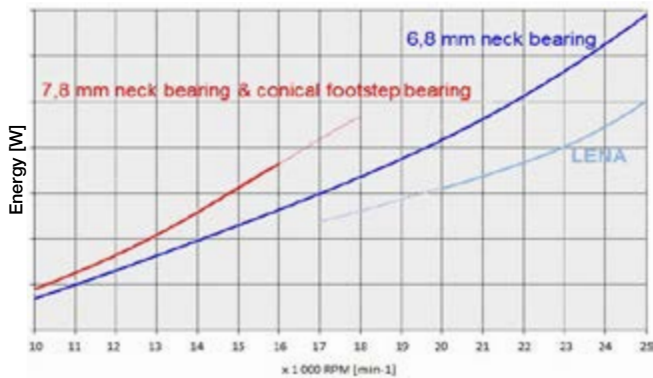
Other features:

Alu top part with spring clutch

Optional AV lock

Optional CROCOdoff cutting crown

### Energy consumption comparison



Neck bearing → wharve 17,5 mm → lower energy consumption

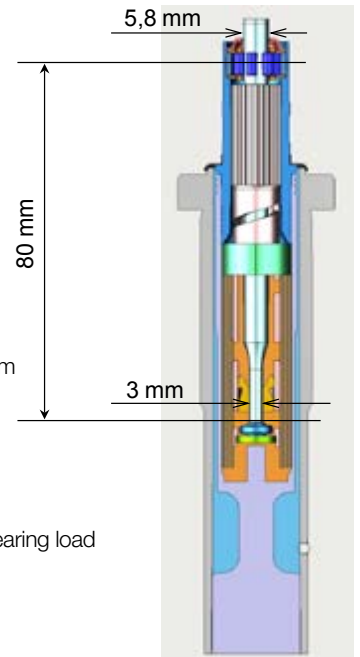
### Technical data

Neck bearing 5,8 mm  
 - wharve diameter 17,5 mm  
 - energy saving

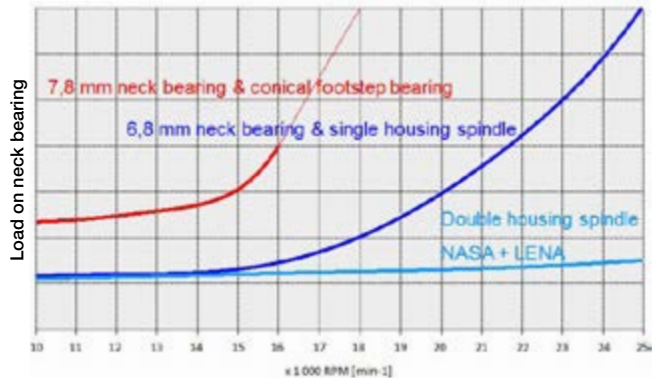
Footstep bearing 3 mm  
 - energy saving

Pitch between bearings 80 mm  
 - compact design

Double elasticity housing  
 - remarkably reduced neck bearing load  
 - low noise level



### Neck bearing load comparison



Lower neck bearing load → longer life time and low energy consumption