

# 215-33-HSH

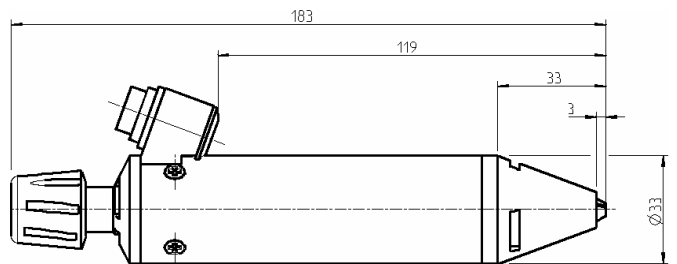
High-frequency spindle  
Manual tool change

Spindle for high-speed milling, grinding  
-drilling, -engraving

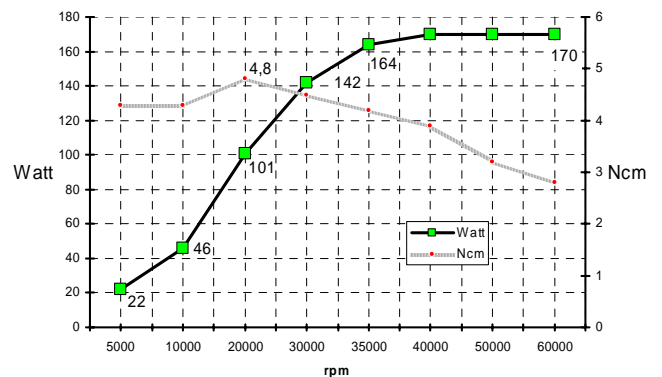
## Technical specifications

- High precision steel ball bearings – 2 Pcs.
- Lifetime lubricated, maintenance free
- Motor: type 0
- Nominal output power: max. 0,17 kW
- Current voltage: max. 21 V
- Current: max. 7 A
- Frequency: max. 1000 Hz
- Motor poles: 1 pair
- Rotation speed: max. 60.000 rpm
- Housing diameter: 33 mm
- Cooling system: air cooled
- Tool change: manual tool change
- Clamping range: up to 3,5 mm
- Coupler plug: 3-pole plastics
- Weight: 0,40 Kg

## Dimensions



## Power-, torque- and speed diagram



BMR GmbH • elektrischer & elektronischer Gerätebau  
Unterreichenbacher Straße 1 • D-90455 Nürnberg-Katzwang  
Tel. +49 (0)9122-631480 • Fax + 49 (0)9122-6314829  
[info@bmr-gmbh.de](mailto:info@bmr-gmbh.de) [www.bmr-gmbh.de](http://www.bmr-gmbh.de)