



Press release

## **Maintenance of rolling stock in railway vehicles – Easy removal and installation of bearings, wheels and other drive components**

*Vaassen, The Netherlands, June 2017.* At this year's Railway Interchange exhibition in Indianapolis, Bega Special Tools presents tools for easy and safe installation and removal of bearings and other transmission components in railway vehicles.

Rolling stock maintenance is an important part of the railway system. Unthinkable what would happen if this was neglected: stalled trains would block rails and existing timetables would become a mess. This is why regular maintenance is necessary in order to maintain a reliable train park.

Engineers will recognize the risks they run into when confronted with stuck wheels or bearings. Cutting or grinding can be dangerous and can cause damage to shafts. Even the task of installing parts in a safe way can be a challenge. Having the right tools in a maintenance facility should be a priority to ensure reliability and personal safety.

Bega Special Tools is specialized in tools for removing and installing bearings and other transmission parts. Particularly for the Rail and Metro business a number of tools have been designed to remove and install railway bearing sets, gears, brake discs, labyrinth seals, bearing inner rings etc.

For removing and installing railway bearing sets and labyrinth rings, special induction heaters can be used. Middle frequency induction heating technology is a safe and cost effective heating method that improves the quality of installation. Bega manufactures various models of the Betex MF Quick-Heater, which is also available in combination with fixed or flexible inductors.



Press release

The new generation Betex MF Quick-Heater 3.0 features smart electronics. Of compact design, it has a large touchscreen, a USB connection for software upgrading, and a Log-in option for remote servicing. It heats according to preset temperature/time curve and shows temperature development in chart form. There is an option of logging the heating cycle. Smart electronics ensure optimal operating frequency and advise the user on optimal heating, for example by suggesting more or fewer windings. The power control is adjustable, dual temperature sensing (monitoring  $\Delta T$ ) is available. There is an option to operate several heaters together.

For removing gears and train wheels Bega supplies a unique series of self-centring hydraulic pullers, with capacities of 4 to 150 tons. These pullers are easy to use and require a minimum of set-up time. Versions of dismantling wheels in combination with oil pressure are also available.

Exclusively designed for mounting and dismantling railway bearing sets, the Betex BPP/BPPS is a combined bearing puller and pusher.

All described tools and methods have one thing in common: they are designed to make the job easier, faster and above all safer. Flameless induction heating offers many advantages: safety, environmental friendliness, easy handling, no noise or pollution. Even reuse of parts is a real possibility.

Bega Special Tools manufactures and sells special tools, induction heaters and hydraulic cylinders for easy mounting and dismantling of bearings and other transmission parts. Exported to over 60 countries worldwide, Bega products are used in production and maintenance departments of MRO and OEM companies within various types of industries, comprising special solutions for the railway, wind energy, mining and steel industries.



Press release

**Illustrations:**

Picture 1: Betex HXPM 100 t hydraulic puller pulling off a train wheel, in combination with oil pressure.

Picture 2: Betex MF Quick-Heater removing labyrinth rings from a train wheel.

**Bega at Railway Interchange 2017 in Indianapolis, USA:**

Railway Interchange 2017, the largest combined railway exhibition in North America,  
17 to 20 September 2017, Indiana Convention Center, Indianapolis, Indiana, USA:  
Booth 2160

**Company information:**

Founded in 1978 and headquartered in Vaassen in The Netherlands, Bega Special Tools manufactures and distributes special tools for safe, cost-effective mounting and dismounting of bearings and transmission parts. These tools substantially improve the quality and ease of maintenance and installation of rotating parts in machines, resulting in longer lifespan. Exported to over 60 countries worldwide, Bega products are used in production and maintenance departments of MRO and OEM companies within various types of industries, comprising special solutions for the wind energy, railway, mining and steel industries.

**Contact in the USA:**

Bega Special Tools USA  
Mr. Richard Imbro, National Sales Manager  
Phone: +1 516 737 8012  
Fax: +1 516 706 3541  
E-mail: [r.imbro@bega.nl](mailto:r.imbro@bega.nl)  
Internet: [www.begaspecialtools.com](http://www.begaspecialtools.com)

**Contact in The Netherlands:**

Bega Special Tools  
Schorsweg 15  
8171 ME Vaassen, The Netherlands  
Phone: +31 578 66 80 00  
Fax: +31 578 66 80 80



Press release

E-mail: [sales@bega.nl](mailto:sales@bega.nl)

Internet: [www.bega.nl](http://www.bega.nl)

**PR contact:**

TPR International

Christiane Tupac-Yupanqui

PO Box 11 40

82133 Olching, Germany

Tel.: +49 (0)8142 44 82 301

E-mail: [c.tupac@tradeppressrelations.com](mailto:c.tupac@tradeppressrelations.com)

Internet: [www.tradeppressrelations.com](http://www.tradeppressrelations.com)

*TPR International would be grateful for a sample copy of the publication with this article.*