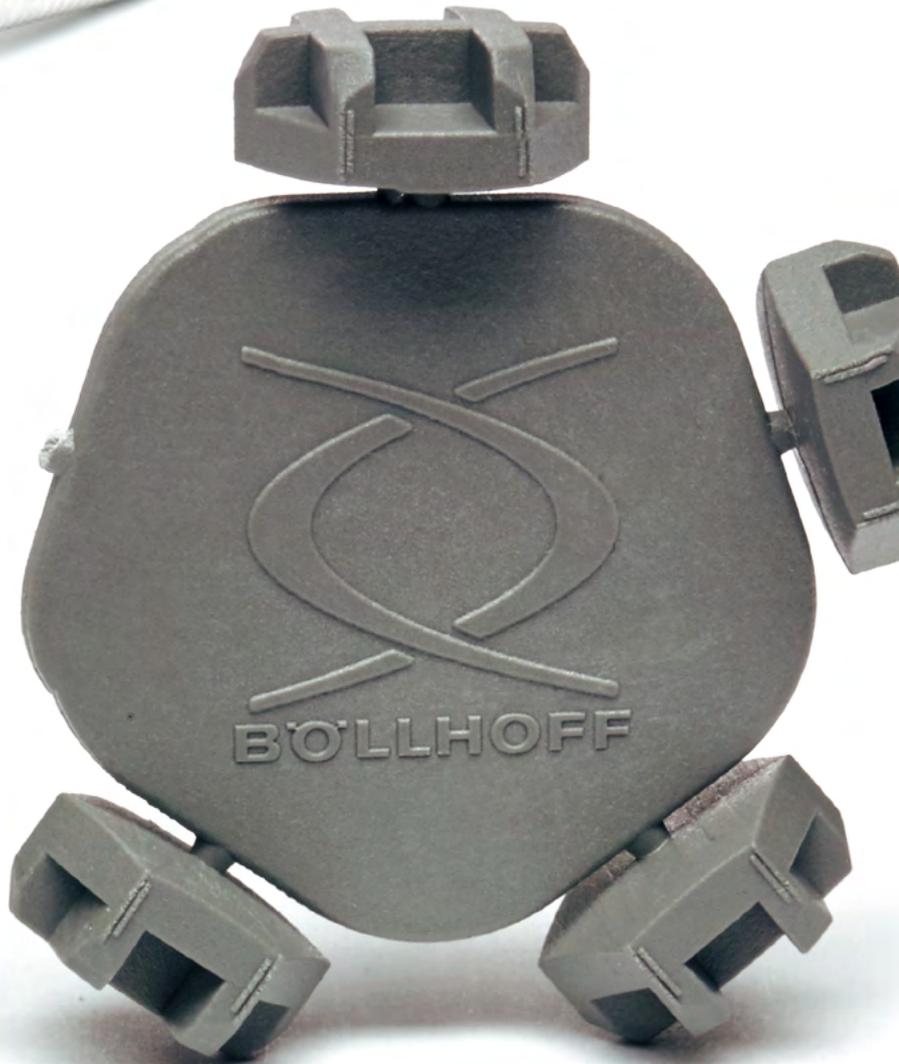


# BOLLHOFF

## PARRYPLUG®

Efficient protection against tampering



## PARRYPLUG® – Principle of operation

The PARRYPLUG® is a locking element by which screw connections can be protected against tampering. Specially constructed axial ribs ensure a defined and secure press fit, preventing insertion of a tool into the internal drive socket of the screw. To match the fine tolerances of popular hexagon drive sockets, these locking elements are manufactured to very high standards of fit. The high-performance plastic material permits use over a wide temperature range from -50 °C to +200 °C. Customised colours are available on request.

### Your benefits at a glance

- Easy installation with high process reliability
- Optimum press fit for reliable protection against tampering
- Clean and visually attractive solution
- Can be removed by a special tool
- For use over a wide temperature range (-50 °C to +200 °C)
- Customized coloring available



## OUTSTANDING

PARRYPLUG® also won over the judging panel of the “OWL 2017 Marktvisionen Innovation Prize”. The innovative anti-tampering system was awarded a special prize for its unique concept, beating off competition from 99 other innovative products submitted by 92 high-calibre entrants in the region of East Westphalia-Lippe. This is the second time the Böllhoff Group has won this coveted prize. In 2013 Böllhoff won the prize for the RIVTAC® high-speed tack-setting system.

**PARRYPLUG®** – For greater security on plant and machinery



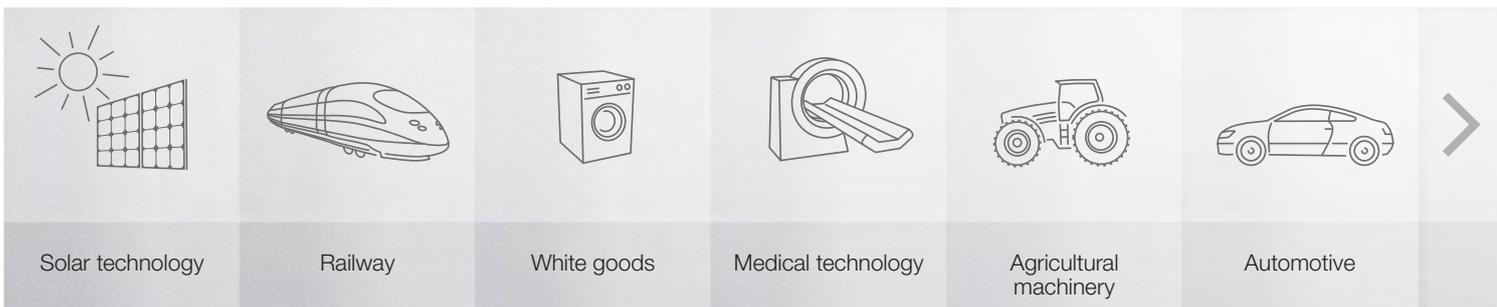
Unauthorised removal of screw connections on plant and machinery is potentially highly hazardous. Therefore the employers' liability insurance associations and relevant regulations such as ISO 14119:2013 require a variety of security measures to effectively prevent tampering with machinery and accidents that result from such tampering.

The implementation of appropriate security measures poses particular challenges for machine tool manufacturers in general and plant designers in particular. Here the PARRYPLUG® offers a simple solution with good process reliability to ward off attempts to access the drive socket of the screw. The plugs can be used for instance to neatly and effectively seal screws on safety fences or door-mounted safety switches with emergency stop functionality – for increased security of plant and machinery.

In addition to its anti-tampering function, the PARRYPLUG® also offers other fields of application, such as:

- Elimination of dirt-collecting edges
- Aesthetic / visual design aspects
- Signalling and marking functions
- Anti-theft protection for solar cells
- etc.

**SECTOR OVERVIEW**



**PARRYPLUG®** – Installation



Up to six plugs can be assembled on a handling aid. This allows a simple installation without any tools. The handling aid inserts the plug into the screw recess. The handling aid is then rotated or tilted to release the plug. Once it is inserted, the PARRYPLUG® immediately provides efficient protection against unauthorised access. Quick and simple: The installation operation can be repeated without any further preparation until all of the plugs are installed.



You can gain an impression of the installation procedure by viewing our application video at: <https://www.boellhoff.com/de-de/parryplug>



# PARRYPLUG® – Assortment and technical information

## PARRYPLUG® starter set

The PARRYPLUG® starter set is available for installation fitters and craftsmen in technical field service jobs.

This set includes plugs in the most popular sizes, together with a special disassembly tool. If maintenance work is required on a machine, the disassembly tool allows a plug to be easily removed, after which a new one can then be reinstalled. This ensures quick recommissioning.

Contents:

- PARRYPLUG® SW3 (10 pieces)
- PARRYPLUG® SW4 (10 pieces)
- PARRYPLUG® SW5 (10 pieces)
- PARRYPLUG® SW6 (10 pieces)
- PARRYPLUG® SW8 (10 pieces)
- Disassembly tool (1 piece)

Item no.: BTLDLVPPLUG-MK



**PARRYPLUG®** – Assortment and technical information

**PARRYPLUG® HD** for hexagon socket drives



		Sizes <b>PARRYPLUG® HD</b>				
		<b>SW3</b> Item no.: PPHD030G	<b>SW4</b> Item no.: PPHD040G	<b>SW5</b> Item no.: PPHD050G	<b>SW6</b> Item no.: PPHD060G	<b>SW8</b> Item no.: PPHD080G
<b>d</b>	Specially designed for					
M 4	DIN 912, ISO 4762, DIN 6912					
M 5	ISO 7380-1/ 7380-2, ISO 10642, DIN 7984	DIN 912, ISO 4762, DIN 6912				
M 6		ISO 7380-1/ 7380-2, DIN 7984*, ISO 10642		DIN 912, ISO 4762, DIN 6912		
M 8			ISO 7380-1/ 7380-2, DIN 7984*, ISO 10642	DIN 912*, ISO 4762*, DIN 6912		
M 10				ISO 7380-1/ 7380-2, ISO 10642		DIN 912*, ISO 4762*, DIN 6912
M 12						ISO 7380-1/ 7380-2, DIN 7984*, ISO 10642

\* Particularly suitable for

**PARRYPLUG®** – Assortment and technical information

**NEW** **PARRYPLUG® TX** for hexalobular socket drives



	<b>Sizes PARRYPLUG® TX</b>	
	<b>TX25</b> Item no.: PPTX25G	
<b>Size of the drive</b>	<b>Suitable for</b>	

TX25/T25;  
ISR25

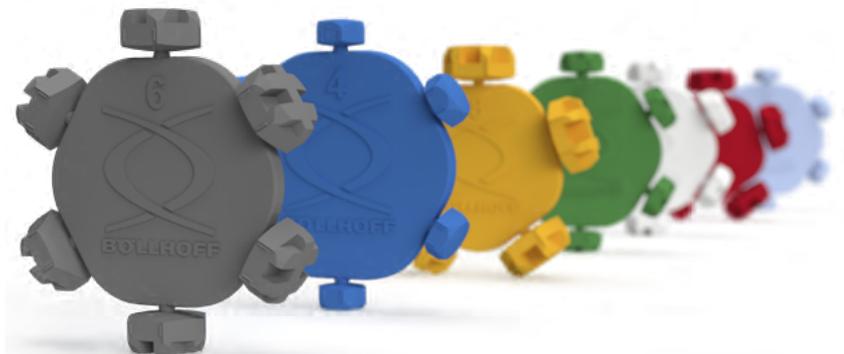
ISO 7045, ISO 14579, ISO 14580, ISO 15481\*

\* The clamping effect of PARRYPLUG® has been tested and validated in hexagonal socket drives from various manufacturers. In accordance with his constructional responsibility it is the task of the user to approve PARRYPLUG® for the specific application.

**Customized coloring**

All PARRYPLUG® HD and PARRYPLUG® TX articles can also be produced in customer-specific colors on request. This allows you to implement your visual concepts.

Customer-exclusive coloring is also available. In this case PARRYPLUG®s in the specific color will be available only to one customer and therefore the protection against tampering is increased additionally.



# BÖLLHOFF

Passion for successful joining.

## **Böllhoff Group**

Innovative partner for joining technology with assembly and logistics solutions.

Find your local partner at [www.boellhoff.com](http://www.boellhoff.com) or contact us at [message@boellhoff.com](mailto:message@boellhoff.com).