



**RIVQUICK®**

Speed Fasteners

**BÖLLHOFF**

# RIVQUICK® – Speed Fasteners

## Introduction

RIVQUICK® speed riveting is a fastening technology that improves productivity. The system is based on several rivets that are pre-loaded on a mandrel ready to be introduced into the nose of the riveting machine. This semi-automatic fastening system allows continuous setting up to 70 rivets per minute.

Our rivets are used in many industry sectors as lighting, household appliances, light metal fabrication, automotive and electronic sub-assemblies.

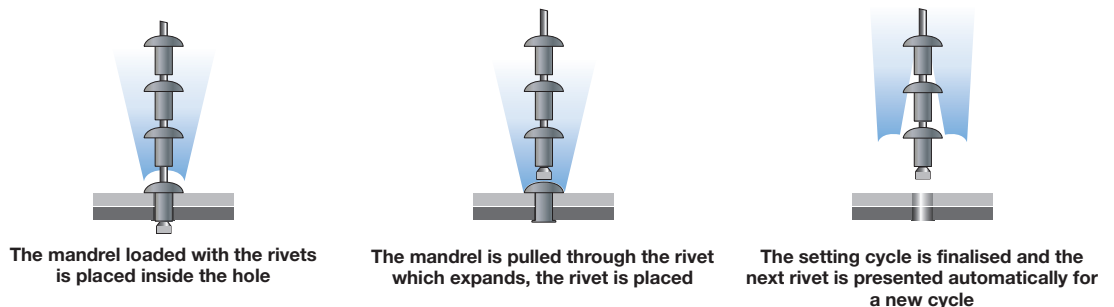
RIVQUICK® Speed Fasteners can be of different types:

- Multi-Grip (Uniriv)
- High Assembly Resistance (Topriv)
- Grooved (Eltronic)
- Threaded (Turnriv or Rivsert)

These rivets are available in different configurations:

- Aluminium, steel, stainless steel, brass, copper
- Diameters from 1,6 to 6,4 mm depending on the product type
- 2 main head styles (Dome & Countersunk head)
- Different mandrel length:
  - For short rivets → 485 or 510 mm
  - For long rivets → 785 mm
  - For extra-long rivets → 1110 mm (available in some specific conditions, contact us for more details)

## Working principle



## Advantages

RIVQUICK® speed rivets can be delivered in 2 different configurations:

- Rivets pre-loaded on disposable mandrels











- Rivets packed in paper magazine and placed with a reusable mandrel



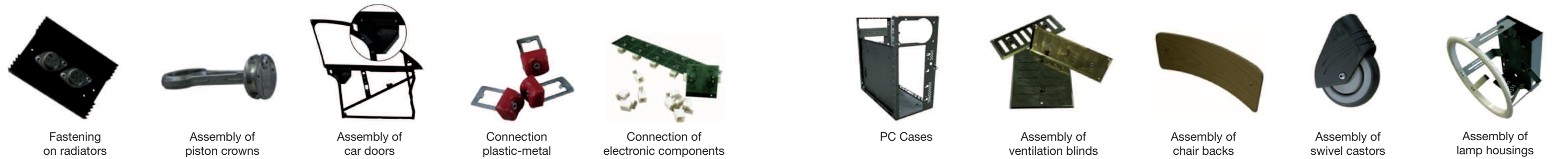
BÖLLHOFF recommends the use of pre-loaded mandrels as it offers many benefits:

- Semi-automatic system for a rapid installation to increase productivity
- Only one reference to manage rivets & mandrel
- Only one place on stock
- No risk of confusion (which mandrel for which rivet)
- No paper waste
- Reduced reloading time as there is no additional work to load the rivets on the mandrel
- Higher security as there is no risk to use a worn mandrel that could break or set improperly a rivet
- Length of the mandrel and number of rivets per stem can be adapted to the application
- Double length of mandrel possible to ensure a more efficient working

Rivets overview

Product	Material		Product type																Key features	Applications
																				
			Ø (mm)																	
			1,7	1,9	2,4	2,6	3,0	3,2	4,0	4,8	2,7	3,0	3,2	3,5	4,0	4,8	2,5	3,0		
	Aluminium	EN AW-6060		■	■		■	■	■	■									<ul style="list-style-type: none"><li>■ Can be used for different fixations thanks to the large clamping range</li><li>■ Less processing costs than for screwing or welding</li><li>■ Clearly quicker processing compared to single blind rivets or screws (up to 70 rivets/min)</li></ul>	Automotive industry / household appliances / lighting / switchboard and switchgear
		EN AW-5019			■		■	■	■		■	■		■	■					
	Steel	EN 10263					■	■	■	■		■	■		■	■				
	Stainless steel			■	■															
	Aluminium	EN AW-5019						■	■	■			■						<ul style="list-style-type: none"><li>■ The specific design implements a closing head generation with a high clamping force and a high starting torque</li><li>■ The rounded ends of the rivet shaft permit a quick introduction into the fixation holes</li><li>■ An easy handling allows to create a high profitability possible thanks to a quick setting sequence</li></ul>	Metal working industry / furniture (windows, door) / sanitary / medical / automotive industry / telecommunications / aerospace / lighting / control cabinet and switchgear
	Steel	EN 10263						■	■	■			■							
	Stainless steel							■	■	■			■							
	Aluminium	EN AW-5019			■	■													<ul style="list-style-type: none"><li>■ The rivet is available either in an insulating design (by a delta seal coating) or in a conducting version with tinned surface. Materials: aluminium, brass, cooper, ...</li><li>■ Especially appropriate for the connection of soft materials</li></ul>	Electronics / assembling electronic components on PCBs / medical / automotive industry / household appliances / lighting / switchboard and switchgear
	Brass	EN 12-166	■		■															
	Steel	EN 10401									■	■		■					<ul style="list-style-type: none"><li>■ This rivet is provided with a thread-forming shaft and is used for detachable rivet connections which can be screwed off after setting with an allen key</li><li>■ Assembly time is shorter than for a screw</li></ul>	Electronics / assembling electronic components on PCBs / automotive industry / medical / household appliances / telecommunications
	Brass	EN 12-166															■	■	<ul style="list-style-type: none"><li>■ The rivet of different female threads is used for fixing or joining printed circuit boards</li><li>■ The internal side of the shaft is available as metric thread in different sizes</li></ul>	Electronics / PCBs / medical / automotive industry / household appliances / lighting / switchboard and switchgear

Applications



# RIVQUICK® – Speed Fasteners

## Rivet setting tools

### RIVQUICK® P1000 SR / P2000 SR – Hydro pneumatic tools

- Ergonomic and functional
- Light weight and very high processing speed
- Easy service work



Model	Part number	Maximum rivet Ø (mm)			Weight (kg)	Setting force (kN)	Air consumption (L/Cycle)	Stroke (mm)	Needle lenght (mm)
		Aluminium	Steel	Stainless steel					
<b>RIVQUICK® P1000 SR</b>	<b>226 061</b> 01000	4,8	4,8	4,0	1,95	7,3	1,5	30,0	485/510
<b>RIVQUICK® P2000 SR</b>	<b>226 062</b> 01001	6,4	6,4	5,0	2,35	12,5	2,0	30,0	485/510

### RIVQUICK® P200 SR / P300 SR – Pneumatic tools

- Simple and universal tool
- Robust and reliable
- Easy maintenance



Model	Part number	Maximum rivet Ø (mm)			Weight (kg)	Setting force (kN)	Air consumption (L/Cycle)	Stroke (mm)	Needle lenght (mm)
		Aluminium	Steel	Stainless steel					
<b>RIVQUICK® P200 SR</b>	<b>226 064</b> 01000	4,8	4,8	4,0	1,9	4,6	2,2	25,0	485/510
<b>RIVQUICK® P300 SR</b>	<b>226 065</b> 01000	6,4	6,4	5,0	2,2	6,9	3,3	25,0	485/510

### RIVQUICK® P210 SR / P310 SR – Vertical tools

- Flexible use
- Quick and easy positioning with the use of a balancer
- Easy to integrate



Model	Part number	Maximum rivet Ø (mm)			Weight (kg)	Setting force (kN)	Air consumption (L/Cycle)	Stroke (mm)	Needle lenght (mm)
		Aluminium	Steel	Stainless steel					
<b>RIVQUICK® P210 SR</b>	<b>226 067</b> 01002	4,8	4,8	4,0	1,9	4,6	2,2	25,0	785
<b>RIVQUICK® P310 SR</b>	<b>226 068</b> 01002	6,4	6,4	5,0	2,2	6,9	3,3	25,0	785

## Rivet noses and springs

### Assignment of rivet noses and springs

The nose must match to the respective rivet diameter, the head form and the riveting point as it influences processing and performance. For normal applications, standard nose should be used, for difficult riveting points, long or bent noses are recommended.

Standard	Long	Long bent
Flat and Concave		
485 to 785	510 to 785	510 to 785
1,7 to 6,0	1,7 to 6,0	1,7 to 6,0

Type rivet
Mandrel lenght (mm)
Rivet shaft Ø (mm)

Contact us for more information

**Böllhoff International with companies in:**

Argentina  
Austria  
Brazil  
Canada  
China  
Czech Republic  
France  
Germany  
Hungary  
India  
Italy  
Japan  
Mexico  
Poland  
Romania  
Russia  
Slovakia  
South Korea  
Spain  
Switzerland  
Thailand  
Turkey  
United Kingdom  
USA

Apart from these 24 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers.

Böllhoff Group  
Please find your local contact on [www.boellhoff.com](http://www.boellhoff.com)  
or contact us under [fasteningtechnology@boellhoff.com](mailto:fasteningtechnology@boellhoff.com)

