The Sleeper Replacer is designed for safe and efficient replacement of sleepers. Due to its design, tiltable and rotatable, it can replace the sleepers both from the middle of the track or from the side of the track.

It is also designed for effective movement and recessing of the ballast. The high performance Sleeper Replacer holds a key function in a versatile, high output, cost efficient and safe working method.

As options it can be equipped with rail fastening installers (see opposite paper) and buckets for removing the ballast.

**SPECIFICATIONS**

- WEIGHT: 1050 kg (2315 lb)
- CLAMP FORCE: 6000 kg
- FLYWHEEL CAP.: 295 dNm (180 bar)
- BLADE WIDTH (standard): 2700 mm (106 in)
- HEIGHT: 1000 mm (39.4 in)
- DEPTH: 1300 mm (51.2 in)

Please note that the unit pictured above could be equipped beyond standard. The company reserves the right to make changes without prior notice.
Clip Master 196 is a fastening attachment for PANDROL FASTCLIPS.

It is developed as an option to the Sleeper Replacer SB60 and is easy and safe to operate when replacing sleepers.

The clips are easily fastened by just pushing a button.

Clip Master 196, when standard equipped, is designed to handle the most common rail types and sleepers with FASTCLIPS.

Two units of the Clip Master 196 are required to equip a Sleeper Replacer SB60.

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**SB 60 ATTACHEMENT**

CLIPMASTER 196

<table>
<thead>
<tr>
<th></th>
<th>WEIGHT</th>
<th>65 kg (143 lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HEIGHT</td>
<td>635 mm (25 in)</td>
</tr>
<tr>
<td></td>
<td>LENGHT</td>
<td>790 mm (31.1 in)</td>
</tr>
<tr>
<td></td>
<td>WIDTH</td>
<td>645 mm (25.5 in)</td>
</tr>
<tr>
<td></td>
<td>GAUGE</td>
<td>1435 mm (56.5 in)</td>
</tr>
<tr>
<td></td>
<td>RAIL TYPE</td>
<td>European standard</td>
</tr>
<tr>
<td></td>
<td>ELECTRICS</td>
<td>Standard Customer adjustment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24 volt DC, negative ground</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 volt DC, negative ground</td>
</tr>
</tbody>
</table>

Hydraulics

Package, un-depending on the carriers higher system pressure and flow, these are the capacity values on the Clip Masters function.

Recommended flow from hydraulic pump:

- 1 pcs of hammer hydraulic functions must be fund on the carrier machine

20–40 litres/min

- min 20 litres/min (5.3 gall/min)

- max 50 litres/min (13.2 gall/min)

Recommended oil pressure:

- 180 bar (2610psi)

- min 175 bar (2538 PSI)

- max 220 bar (3190 PSI)