The GANTRAIL 2219/20 adjustable crane rail clip is designed to fix the largest rails in the most arduous applications. It can withstand a horizontal force from the rail of 235kN (24 tonnes). Its low profile allows it to be used with cranes that are fitted with guide rollers.

**SPECIFICATIONS:**
- **MAX SIDE LOAD** 235kN
- **20mm HORIZONTAL RAIL ADJUSTMENT**

**DIMENSIONS (mm):**

<table>
<thead>
<tr>
<th>REF NO.</th>
<th>X</th>
<th>Y (FULL NUT)</th>
<th>Y (FLANGE NUT)</th>
<th>Z</th>
<th>WEIGHT* kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>2219/20/40</td>
<td>40</td>
<td>60</td>
<td>55</td>
<td>37</td>
<td>2.23</td>
</tr>
</tbody>
</table>

*weight without nut, bolt and washer.

2219/20 clip comprises of 2119/20 base and 2219/20 base and 2219/20/40 cap

**FEATURES**
- The proven design has been used successfully for many years throughout the world.
- The clip is welded to the rail support. No access is required from below.
- The two main parts are locked together on tightening the grade 8.8 bolts.
- The clip has a self-tightening mechanism.
- A special vulcanised rubber block applies a controlled force to the rail.

**COMPONENTS**

1. Nuts  
2. Hardened washers  
3. Clip cap with integral rubber block  
4. M20 hexagon headed bolts  
5. Weldable base

**Minimum assembly width -**
- **W = Rail width (F) + 140mm**
- **V = Rail width (F) + 24mm**
- **U = Rail width (F) + 131mm**
### INSTALLATION INSTRUCTIONS:

Welds along back and sides of the base to be 6mm. The weld in the “V” and front edges next to and parallel with rail to be 4mm throat thickness fillet weld. Use low hydrogen electrodes. Recommended electrodes AWS E7018 or E7028. Clip base is made from weldable grade steel.

* For rail without pad, weld closest to and parallel with the rail must be omitted. Please consult GANTRAIL for guidance.

**TIGHTENING TORQUE 350Nm**

Please contact GANTRAIL, for full installation instructions.

### WELD DETAIL

The welds in the “V” and front edges next to and parallel with the rail to be 4mm throat thickness fillet weld. Use low hydrogen electrodes. Recommended electrodes AWS E7018 or E7028. Clip base is made from weldable grade steel.

* For rail without pad, weld closest to and parallel with the rail must be omitted. Please consult GANTRAIL for guidance.

**TIGHTENING TORQUE 350Nm**

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