# THRAIL-AWS1615/38 Welded Base Fixing

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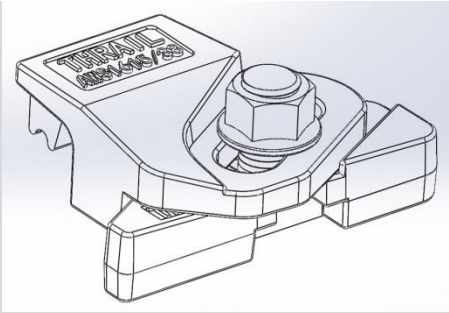


The THRAIL AWS1615/38 adjustable rail fixing clip is specially designed for heavy rail.Its greatest advantage is that it has a very low height after installation and it can help to fix the rail on the narrowest steel girder.It can not only minimize installation cost,but also meet all usages of the cranes with horizontal guide rollers.

SPECIFICATIONS

Max side load 120kN

15mm horizontal rail adjustment

DIMENSIONS (mm)

| TYPE | H1 | H2 | H3 | ESTIMATED WEIGHT | |
|---|---|---|---|---|---|
| AWS1615/38 | 28 | 38 | 45 | 0.95kg | |
| Rubber block thickness | RAIL WITH PAD | | | RAIL WITHOUT PAD | |
| C | C1 | 14mm | | C2 | 21mm |

PRODUCT PERFORMANCE

1.It can be used for all kinds of cranes with or without guide rollers.

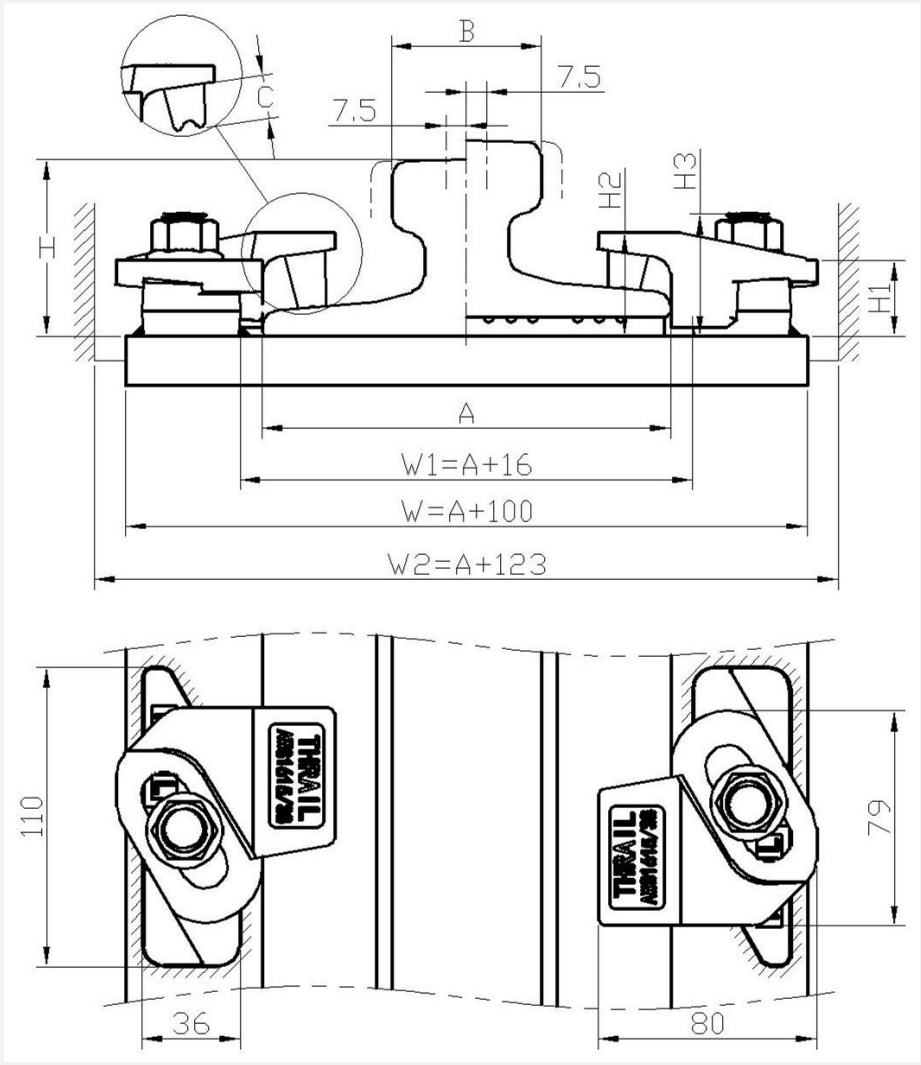
2.THRAIL rail clip is equipped with vulcanized integral rubber blocks.It can help reduce noise greatly and improve working environment while fastening rails.

3.The rail fixing clip has a self-locking mechanism which makes the clip locked automatically by the pitched clip cap and weldable base with wedge structure theory.

4.It provides a optimal installation size.It's no need to drill hole on the steel girder when installation.Also the bolts don't need to be threaded through the hole from beneath of the steel girder.Workers only need to weld the weldable base on the steel rail support.The two parts(clip cap and weldable base) are locked together with grade 8.8 bolt.

5.Rail fixing clip with vulcanized rubber blocks helps control the deviation between rail and crane girder.It can be installed easily with impact wrench.More over,it provides a great deal of convenience for rail installation and adjustment of the rail lateral movement.

RAIL WITHOUT PAD RAIL WITH PAD




Minimum assembly width

W = Rail width (A) + 100mm W1= Rail width (A) + 16mm

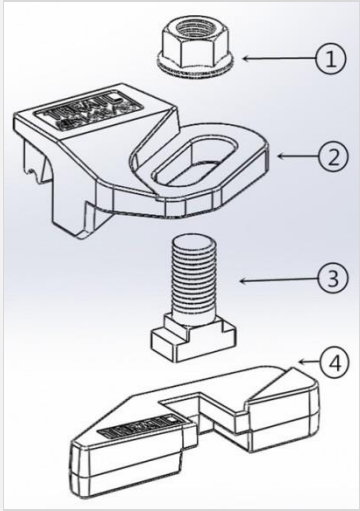
W2= Rail width (A) + 123mm

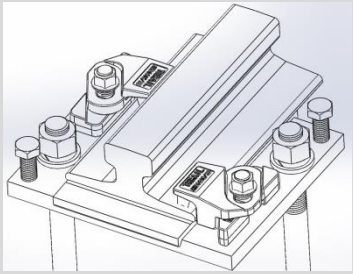
NOTE: For ground track with M20 anchor bolts

W = Rail width (A) + 130mm

## COMPONENTS

1. Flange nut
2. Clip cap with integral rubber block
3. M16 Captive bolt
4. Weldable base

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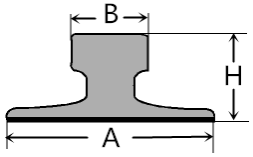
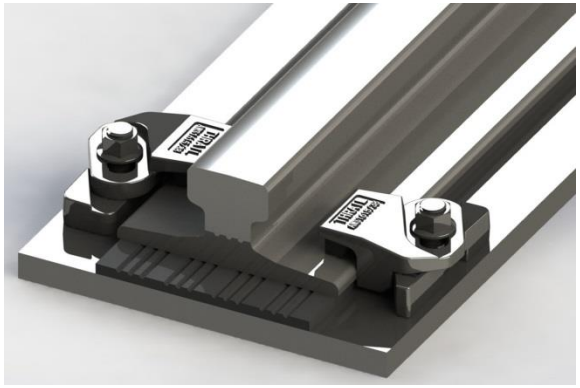
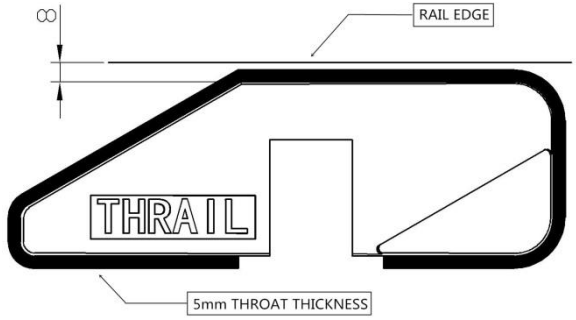
This clip can be used for a wider selection of rails than illustrated. Please contact THRAIL for the full range of possible rails. All rails can be fastened with bolted or welded base clips. THRAIL may change or improve their products and also alter specifications without notice.




| RAIL TYPE | A mm | B mm | H mm | RAIL WITH PAD | RAIL WITHOUT PAD |
|---|---|---|---|---|---|
| 38kg/m | 114 | 68 | 134 | AWS1615/38(C1) | AWS1615/38(C2) |
| 43kg/m | 114 | 70 | 140 | AWS1615/38(C1) | AWS1615/38(C2) |
| 50kg/m | 132 | 70 | 152 | AWS1615/38(C1) | AWS1615/38(C2) |
| QU70 | 120 | 70 | 120 | AWS1615/38(C1) | AWS1615/38(C2) |
| QU80 | 130 | 80 | 130 | AWS1615/38(C1) | AWS1615/38(C2) |
| A55 | 150 | 55 | 65 | AWS1615/38(C1) | AWS1615/38(C2) |
| A65 | 175 | 65 | 75 | AWS1615/38(C1) | AWS1615/38(C2) |
| A75 | 200 | 75 | 85 | AWS1615/38(C1) | AWS1615/38(C2) |
| A100 | 200 | 100 | 95 | AWS1615/38(C1) | AWS1615/38(C2) |
| S30 | 108 | 60 | 108 | AWS1615/38(C1) | AWS1615/38(C2) |
| S33 | 105 | 58 | 134 | AWS1615/38(C1) | AWS1615/38(C2) |
| S41 | 125 | 67 | 138 | AWS1615/38(C1) | AWS1615/38(C2) |
| S49 | 125 | 67 | 149 | AWS1615/38(C1) | AWS1615/38(C2) |
| ISCR60 | 105 | 60 | 105 | AWS1615/38(C1) | AWS1615/38(C2) |
| ISCR80 | 130 | 82 | 130 | AWS1615/38(C1) | AWS1615/38(C2) |
| ASCE80 | 127 | 64 | 127 | AWS1615/38(C1) | AWS1615/38(C2) |
| ASCE85 | 132 | 65 | 132 | AWS1615/38(C1) | AWS1615/38(C2) |
| ISCOR48 | 127 | 68 | 150 | AWS1615/38(C1) | AWS1615/38(C2) |
| ISCOR57 | 140 | 70 | 165 | AWS1615/38(C1) | AWS1615/38(C2) |
| JIS37 | 122 | 63 | 122 | AWS1615/38(C1) | AWS1615/38(C2) |
| 31kgAS | 108 | 64 | 118 | AWS1615/38(C1) | AWS1615/38(C2) |
| 41kgAS | 127 | 64 | 137 | AWS1615/38(C1) | AWS1615/38(C2) |
| 50kgAS | 127 | 70 | 154 | AWS1615/38(C1) | AWS1615/38(C2) |
| UIC54 | 140 | 70 | 159 | AWS1615/38(C1) | AWS1615/38(C2) |
| UIC60 | 150 | 72 | 172 | AWS1615/38(C1) | AWS1615/38(C2) |



## WELD INSTRUCTION




INSTALLATION INSTRUCTIONS:
Weld all round the clip base with a 5mm throat thickness fillet weld, using 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 THRAIL for guidance.
TIGHTENING TORQUE 200Nm
Please contact THRAIL,
for full installation instructions.