

# 3116W/10

## Gantrail Bolted Fixing

www.gantrail.com



UK patent application No GB 1912155.7

The GANTRAIL 3116w/10 adjustable crane rail clip is designed to fix light rails in the most arduous applications. It can withstand a horizontal force from the rail of up to 50kN (5.0 tonnes). Its low profile allows it to be used with cranes that are fitted with guide rollers.

### SPECIFICATIONS:

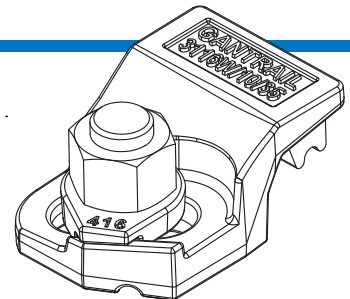
BOLT GRADE	8.8	10.9
MAX SIDE LOAD (kN)	38	50
BOLT TORQUE (Nm)	200	300

10mm HORIZONTAL RAIL ADJUSTMENT

### DIMENSIONS (mm):

REF NO.	X	Y (FULL NUT)	Y (THIN NUT)	Z	WEIGHT kg
3116w/10/35	35	40	35	20	0.3

3116W/10/35 comprises 3116w/10 clip body and 4116/10 washer abbreviated '416' on part



3116w/10

### FEATURES

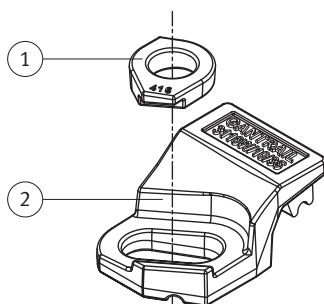
#### NEW

- Unique 'self-engaging' feature (patent pending) ensures all load bearing parts are in contact upon tightening of the bolt
- Offset washer design to ensure intuitive fool-proof installation
- Large clearance around nut to allow the use of impactor sockets
- Drain hole to prevent build up of contaminants and standing water

#### RETAINED

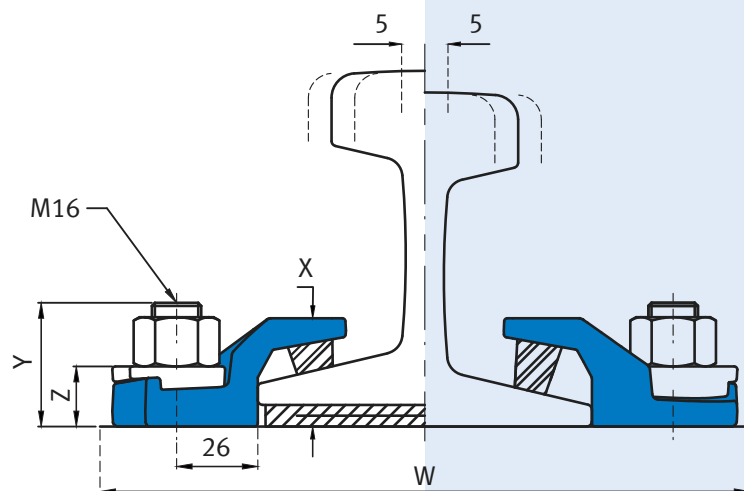
- The proven 'double-wedge' design causes self-locking and self-tightening
- The two parts are locked together upon tightening of the nut
- The clip is bolted to the rail support from above or below
- A special vulcanised rubber block applies a controlled force to the rail

### COMPONENTS

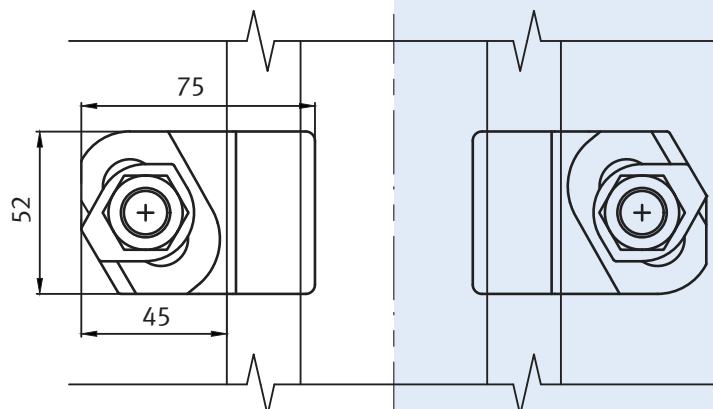


1. Special washer
2. Clip with integral rubber block

#### 1 RAIL WITH PAD



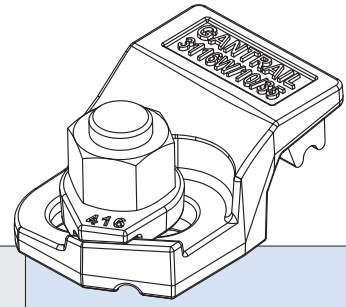
#### 2 RAIL WITHOUT PAD

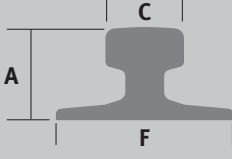


Minimum assembly width - W = Rail width (F) + 100mm

# 3116W/10

## Gantrail Bolted Fixing



	F mm	C mm	A mm	1. CLIP REFERENCE FOR RAIL WITH PAD	2. CLIP REFERENCE FOR RAIL WITHOUT PAD
A 45	125	45	55	3116W/10/35	-
A 55	150	55	65	3116W/10/35	-
A 65	175	65	75	3116W/10/35	-
A 75	200	75	85	3116W/10/35	-
S 18	82	43	93	3116W/10/35	-
S 20	82	44	100	3116W/10/35	-
S 30	108	60	108	3116W/10/35	-
S 33	105	58	134	3116W/10/35	-
S 41	125	67	138	3116W/10/35	-
S 49	125	67	149	3116W/10/35	-
BS 50 'o'	100	52	100	3116W/10/35	-
AFNOR 30	106	56	126	3116W/10/35	-
ASCE 60	108	60	108	3116W/10/35	-
ASCE 80	127	64	127	3116W/10/35	-
ISCOR 30	110	57	110	3116W/10/35	-
JIS 22	93.7	50.8	93.7	3116W/10/35	-
JIS 37	122	63	122	3116W/10/35	-
22 kg.m BHP	94	51	94	3116W/10/35	-
UCI 54	140	70	159	3116W/10/35	-
UCI 60	150	72	172	3116W/10/35	-

**THIS CLIP CAN BE USED FOR A WIDER SELECTION OF RAILS THAN ILLUSTRATED.** Please contact GANTRAIL for the full range of possible rails. All rails can be fastened with bolted or welded base clips. GANTRAIL may change or improve their products and also alter specifications without notice.

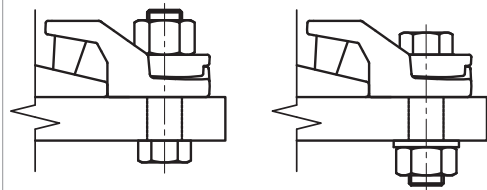
### INSTALLATION INSTRUCTIONS:

The hexagon headed fixing bolt can be inserted from above or below the supporting structure – see adjacent configurations.

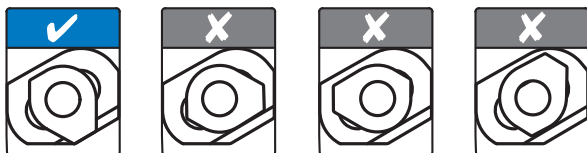
If it is desired to fix the clip with a welded stud, this may be possible. Please consult GANTRAIL for guidance.

**TIGHTENING TORQUE**  
Grade 8.8 bolt 200Nm  
Grade 10.9 bolt 300Nm  
Please contact GANTRAIL for full installation instructions.

### BOLT CONFIGURATIONS



### POSITIONING OF SPECIAL WASHER



## A world of crane rail expertise.

[www.gantrail.com](http://www.gantrail.com)



**Gantry Railing Ltd**  
Sudmeadow Road  
Hempsted  
Gloucester GL2 5HG  
ENGLAND

Tel: +44 (0) 1452 300688  
Fax: +44 (0) 1452 300198  
E-mail: [info@gantrail.com](mailto:info@gantrail.com)



Certificate No. 5180

3116W/10/MT/10/20