



SINCHOLD 7220/21/43 Adjustable crane rail clip is designed to fix heavy rails in the most arduous applications. It can withstand a horizontal force from the rail of 300kN (30.6 tonnes). Its low profile allows it to be used with cranes that are fitted with guide rollers.

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 by tightening the grade 8.8 bolt.
- The clip has a self-tightening mechanism.
- A special vulcanized rubber block applies a controlled force to the rail.

DIMENSIONS (mm):

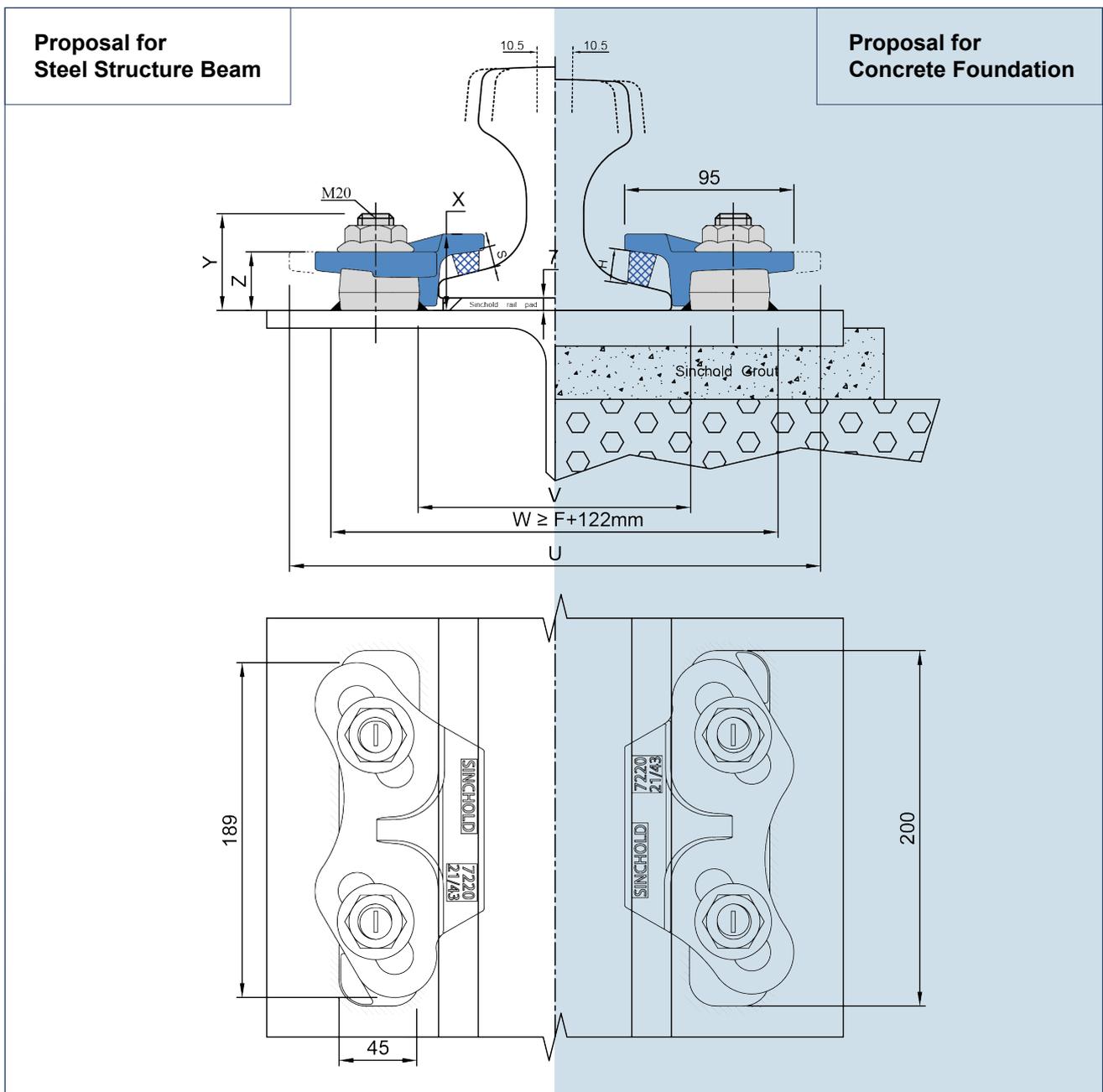
REF NO.	X	Y (FULL NUT)	Y (THIN NUT)	Z	WEIGHT (kg)
7220/21/43	43	53	48	33	2.4
S (rubber)	RAIL WITH PAD PLAN			14mm	
H (rubber)	RAIL WITHOUT PAD PLAN			21mm	

SPECIFICATIONS:

MAX SIDE LOAD 300KN, GRADE 8.8 BOLT, 21MM HORIZONTALLY ADJUSTABLE RAIL.

1: RAIL WITH PAD

2: RAIL WITHOUT PAD



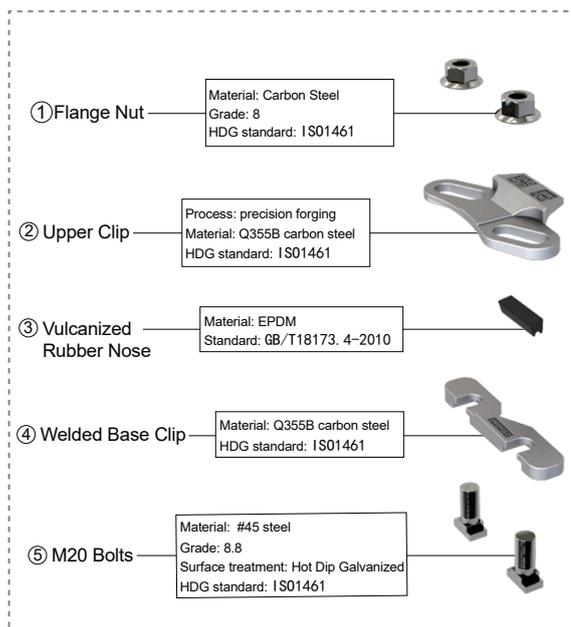
Minimum assembly width (W) = Rail width (F) + 122mm
V = Rail width (F) + 21mm U = Rail width (F) + 165mm

SINCHOLD WELDED BASE FIXING:

	F mm	C mm	A mm	RAIL WEIGHT (kg/m)	1. CLIP REFERENCE FOR RAIL WITH PAD	2. CLIP REFERENCE FOR RAIL WITHOUT PAD
QU80	130	80	130	63.69	7220/21/43 (S)	7220/21/43 (H)
QU100	150	100	150	89	7220/21/43 (S)	7220/21/43 (H)
QU120	170	120	170	118.5	7220/21/43 (S)	7220/21/43 (H)
A 100	200	100	95	74.3	7220/21/43 (S)	7220/21/43 (H)
A 120	220	120	105	100	7220/21/43 (S)	7220/21/43 (H)
A 150	220	150	150	150.3	7220/21/43 (S)	7220/21/43 (H)
ISCR 100	150	102	150	89	7220/21/43 (S)	7220/21/43 (H)
ISCR 120	170	120	170	118.5	7220/21/43 (S)	7220/21/43 (H)
ISCR 140	170	140	170	146	7220/21/43 (S)	7220/21/43 (H)
GCR 183	280	75	120	183.06	7220/21/43 (S)	7220/21/43 (H)
CR 73	140	100	135	73.3	7220/21/43 (S)	7220/21/43 (H)
CR 100	155	120	150	100.2	7220/21/43 (S)	7220/21/43 (H)
73 kg AS	146	70	157	73.6	7220/21/43 (S)	7220/21/43 (H)
86 kg AS	165	102	102	85.5	7220/21/43 (S)	7220/21/43 (H)
MRS 67 (135CR)	132	79	146	67	7220/21/43 (S)	7220/21/43 (H)
MRS 86	165	102	102	85.5	7220/21/43 (S)	7220/21/43 (H)
MRS 87 A (PRI85R)	152	102	152	86.8	7220/21/43 (S)	7220/21/43 (H)
MRS 125	180	120	180	125	7220/21/43 (S)	7220/21/43 (H)
MRS 221	220	220	160	221.4	7220/21/43 (S)	7220/21/43 (H)
68 kg AS	152	73	186	67.6	7220/21/43 (S)	7220/21/43 (H)
89 kg CR	178	102	114	89.8	7220/21/43 (S)	7220/21/43 (H)

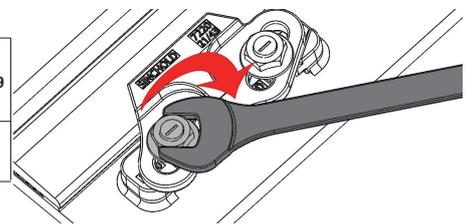
This clip can be used for a wider selection of rails than illustrated. Please contact **SINCHOLD** for the full range of possible rails. All rails can be fastened with bolted or welded base clips. **SINCHOLD** may change or improve their products and also alter specifications without notice.

PART SPLIT :

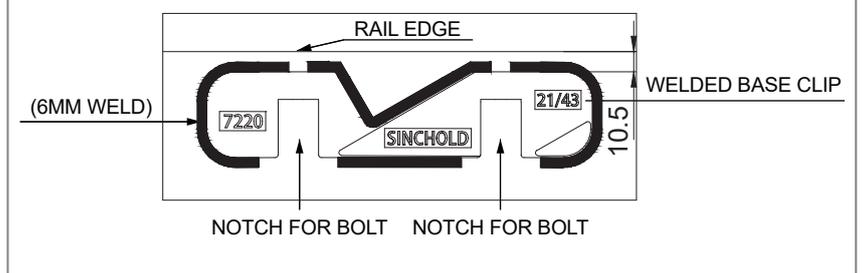


BOLT TORQUE:

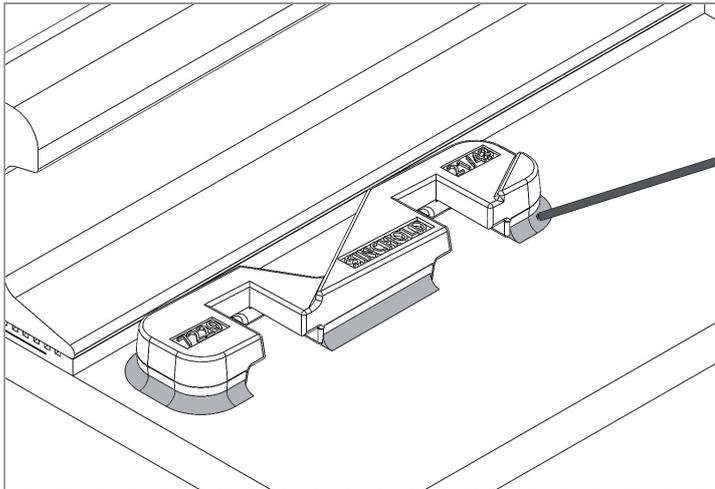
BOLT GRADE	GRADE 8.8	GRADE 10.9
CLIP TYPE	GRADE 8.8	GRADE 10.9
9220/20/45	490Nm	675Nm



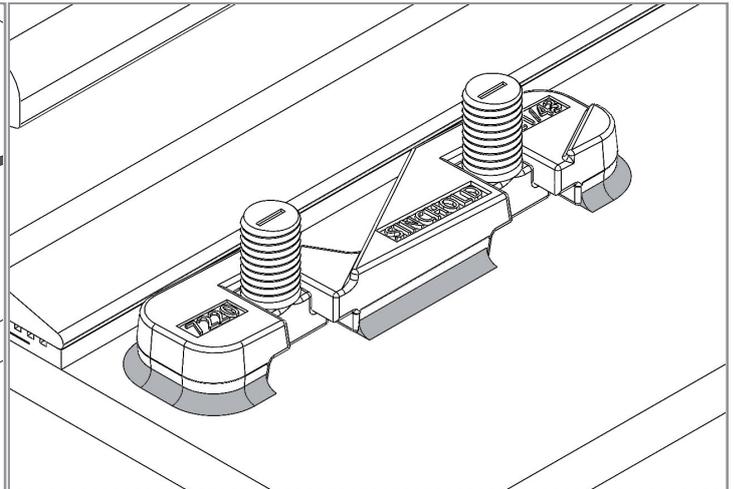
WELDING INSTRUCTIONS:



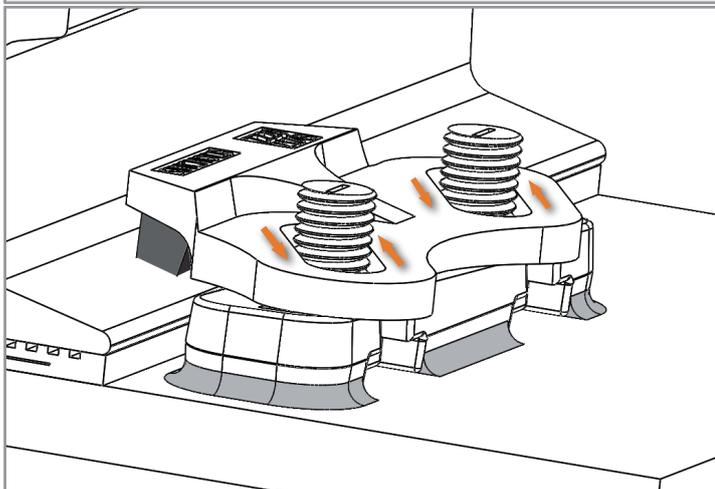
INSTALLATION STEPS:



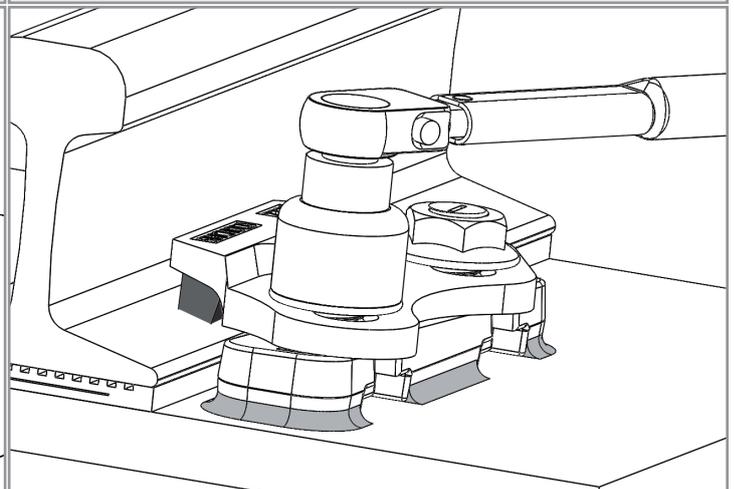
1. Baseplate is 10.5mm away from the rail, fully welded to the platform, with the weld throat 6mm in depth.



2. Place the pressing plate bolts



3. Install the clip and adjust it horizontally to make it fit closely to the steel rail



4. Lock nut

INSTALLATION INSTRUCTIONS:

Weld all round except the position of bolt, the clip base with a 6mm 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 **SINCHOLD** for guidance.

TIGHTENING TORQUE 490Nm

Please contact **SINCHOLD**, for full installation instructions.



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