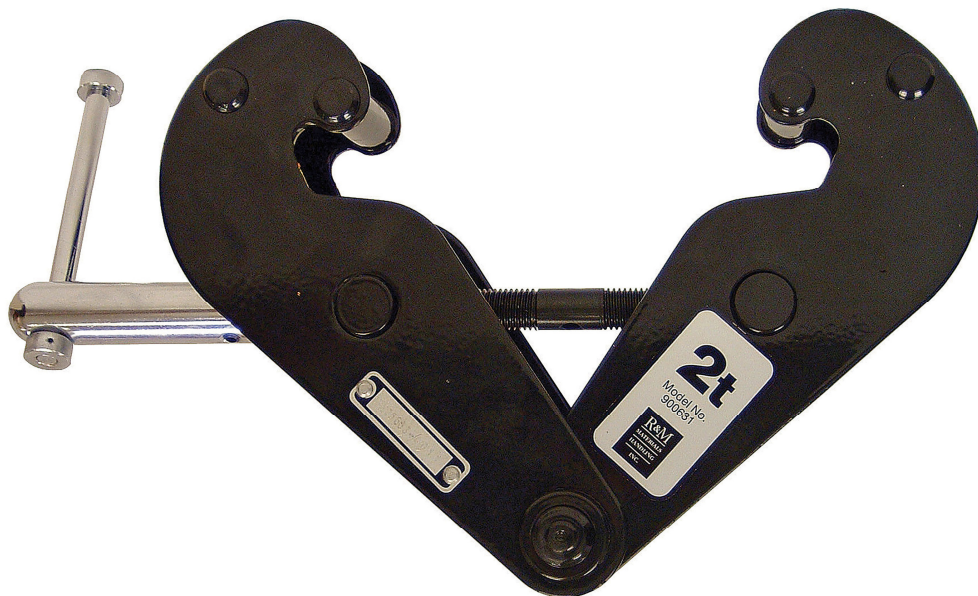


# INSTALLATION, OPERATION AND INSTRUCTION MANUAL

## RBC BEAM CLAMP – 1 TON TO 5 TONS

English

STD-R-KHA-F-CQD-ENG





**CAUTION:** Read the instructions supplied with the product before installation and commissioning.



**CAUTION:** Keep the instructions in a safe place for future reference.

**Table of contents**

<b>1</b>	<b>INSTRUCTIONS TO READ BEFORE USE.....</b>	<b>3</b>
<b>2</b>	<b>TECHNICAL CHARACTERISTICS .....</b>	<b>4</b>

# 1 INSTRUCTIONS TO READ BEFORE USE



## CAUTION

Never modify the beam clamp unless the manufacturer has studied and authorized the modification.

Never modify the values and adjustments of the safety components, outside the limits provided for in the manual, or without the approval of the manufacturer.

Never try to repair such as welding on the beam clamp without the authorization of the manufacturer or a trained maintenance agent.

Do not let an unqualified person use the hoist.

Never lift more than the maximum working load indicated on the beam clamp. Shocks or accidental collision of the load with objects can cause excess loads.

Never remove the hook safety catches.

Never block, adjust or remove the limit switches or stops to go higher or lower moving distance

Never use the hoist to extract, loosen, or pull sideways.

Never use the hoist to transport people.

Do not touch the moving components.

Do not operate equipment if your physical condition does not allow it.

Never use the beam clamp when condition is bad (*wear, deformation...*).

Never use suspect spare parts or parts whose origin is not known.

Never swing the load intentionally.

Do not subject the beam clamp to shocks loading.

Do not use the mechanical stops as a repetitive means of stopping.

Never use the lifting chain as a sling

Never use a hook other than in the vertical position.

Never distract the operator while the hoist is being operated.

Never leave a suspended load hanging.

Do not use the beam clamp for a purpose or in an area for which it is not intended.

Do not expose the beam clamp to an inappropriate atmosphere.

Do not use the safety components as operation components.

Never angle pull the load, maximum angle 3 degrees.

Never transport a load with people nearby. Do not move the hook, with or without a load, over personnel

## CHECKS

Handle the beam clamp by its structure, or by the devices provided for this purpose, or in its original packing.

Make sure that the hoist is properly cleaned and protected from corrosion (*lubrication...*).

Only a competent technician should install the clamp.

Make sure that the clamp attaching structure is rigid.

Make sure that the safety rules are followed (*harness, clearance of work areas, posting up of instructions to be followed in the area...*).

Use only original replacement parts that are compatible with the type of clamp being repaired.

Always be ready during operation to press the emergency stop button. This makes all functions inactive.

Make sure that the load is correctly balanced before moving it. Avoid lifting using only a single load point.

Use adequate accessories (*slings, lifting beam...*). Pay attention to the center of gravity of the load to be moved.

The device used to suspend the load should be flexible in relation to the load to be moved (*prefer a sling to a rigid beam*).

When moving the load, make sure that it is sufficiently raised to clear surrounding machines and other objects.

The prevention instructions to be carried out during the different operations should be well known.

Avoid rocking the load or the hook when using the traveling trolley or crane, by limiting the starting and braking jerks.

In the case of several speeds, do the starting and braking operations at slow speed.

Use the material under normal working conditions (*ambient temperature, atmosphere...*).

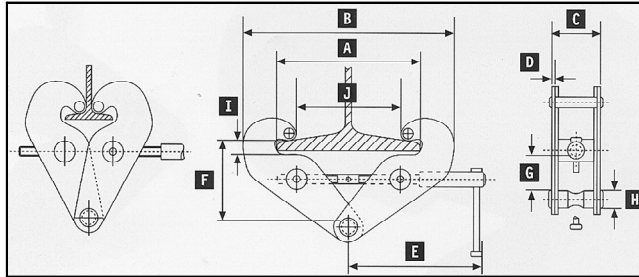
Only an experienced operator should rig the use of several machines to move a single load. All the necessary precautions should be taken to carefully ensure the distribution of the loads and to avoid overloading a single machine. The machines should be carefully checked before such an operation.

Notify the necessary people after a dangerous operation or if the hoist seems problematic (*abnormal noise, abnormal behavior...*).

Material used outdoors should be protected as well as possible against bad weather conditions. Hoist should be covered to avoid water going inside the chain bucket. A hole must be made to the chain bucket's bottom to let water to drain out.

## 2 TECHNICAL CHARACTERISTICS

Figure 1. Beam Clamp Dimensions



Type	SWL (kg)	Beam width (mm)	Weight (kg)
RBC 1	1000	75-230	3.9
RBC 2	2000	75-230	5
RBC 3	3000	80-320	9.5
RBC 5	5000	90-310	11.3

Table 1. Beam Clamp Dimensions

Type	Dimensions (mm)											
	A max	B max	B min	C	D	E	F Max	F min	G Min	H	I	J
RBC 1	240	192	340	70	5	210	150	45	45	20	20	185
RBC 2	240	192	340	70	5	210	150	45	45	20	20	185
RBC 3	316	238	445	106	8	250	207	165	76	22	34	261
RBC 5	306	248	455	114	10	250	210	167	76	28	34	251