



# The Caldwell Group, Inc.

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## INSTRUCTION MANUAL FOR Model 18 Fixed Twin Basket Sling Lifting Beam

Your new Model 18 Fixed Twin Basket Sling Lifting Beam only supports loads up to its rated capacity when loaded correctly. The Model 18 design uses slings in a basket hitch with a maximum 2" sling eye width. The Model 18 Lifting Beam is a load supporting lifter complying with ASME B30.20 BTH-1 Design Category B and Service Class 2, which is for specific tasks withstanding forces based on the unit's rated capacity. Use the following guidelines for your protection and for optimal operation of your equipment. The safety precaution list below is not necessarily all-inclusive. The owner/user is responsible for understanding and acting in accordance with ASME, ANSI, OSHA, local, and state regulations. Refer to the Manufacturer's Instruction Manual for product and safety information on other attachments, components, or both used with your lifting equipment.

1. **DO NOT EXCEED RATED CAPACITY.**
2. **DO NOT** lift or support people.
3. **DO NOT** lift over people.
4. **DO NOT** lift higher than necessary.
5. **DO NOT** leave suspended load unattended.
6. **DO** inspect the lifter for damage or excess wear before each use. Check for structural bending and cracks, excess wear at load points and pins, cracked or broken welds, or deformed hardware. If inspection reveals any defect(s), remove the lifting device from service, and tag "Out of Service". Immediately notify your Safety Administrator or Supervisor to contact The Caldwell Group regarding any defect.
7. **DO** contact The Caldwell Group, Inc. to replace worn or damaged tags and/or decals.

### Lifting Operation

1. Know the rated capacity and weight of your Model 18 Lifting Beam (See the Caldwell Nameplate/ID tag on your unit).
2. Use **ONLY** symmetrical attachment loading! (See Figure 1 and 3, slings are attached to two (2) bent bar hooks that are equal distance from the center of the bail.)
3. Use slings in a basket hitch on the load with The Model 18 Lifting Beam.
4. Prevent tilting of the Lifting Beam and load, by positioning the load's center of gravity in-line with the center of the crane hook.
5. Perform a test lift of several inches to verify the load is properly balanced and the beam is level/horizontal.
6. See Figure 1 & 3, the Lifting Beam is level/horizontal, proper lifting position.
7. See Figure 2 & 4, the Lifting Beam is not level/horizontal, improper lifting position.

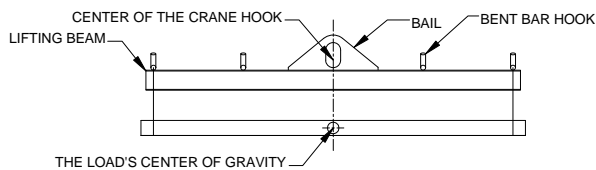


Figure 1  
PROPER LIFTING

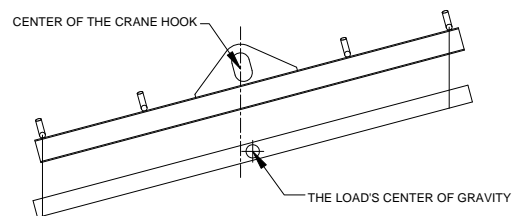


Figure 2  
IMPROPER LIFTING

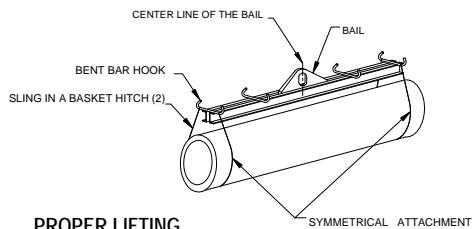


Figure 3  
PROPER LIFTING

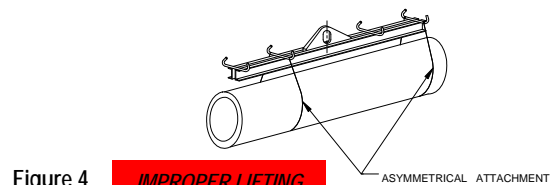


Figure 4  
IMPROPER LIFTING

MODIFICATIONS TO YOUR LIFTING EQUIPMENT WITHOUT PRIOR WRITTEN APPROVAL FROM  
THE CALDWELL GROUP, INC. VOIDS YOUR WARRANTY.  
REFER TO ASME B30.20 REGARDING LIABILITY OF REPAIRED OR MODIFIED LIFTERS.

