



# MINIMUM ASSEMBLY. MAXIMUM PRODUCTIVITY. THERN®



At Thern, we know “some assembly required” should mean minutes—not hours. Our **portable davit cranes** come pre-assembled, with hardware and quick-release clevis pins already attached—no special tools required. That means quick assembly. It also means quick disassembly and transport to storage or bases at other work sites. At Thern, we make things simple...and fast.

## STEP 1 FASTEN CRANE BASE SECURELY

Fasten crane base to level, suitable concrete foundation. Consult a structural engineer about the foundation as necessary and adhere to applicable installation codes and regulations.

## STEP 2 INSERT MAST INTO BASE

Insert mast into base, ensuring flange bearing is properly seated.

## STEP 3 ATTACH MAIN BOOM & ROTATIONAL HANDLE TO MAST

Attach main boom first and then rotational handle next. Secure using attached clevis and lynch pins.

## STEP 4 ATTACH RATCHET JACK TO MAST & MAIN BOOM

Attach one end of ratchet jack to mounting ear on main boom and secure with attached clevis and lynch pins. Carefully pivot boom up to fasten other end of ratchet jack to mast mounting ear—secure with clevis and lynch pins.

## STEP 5 INSERT BOOM EXTENSION INTO MAIN BOOM

Rotate ratchet jack to lower main boom to just above horizontal position. Insert boom extension and secure with attached clevis and lynch pins.

## STEP 6 ATTACH WINCH/BRACKET TO MAIN BOOM

Remove winch bracket from end of main boom and attach winch using fasteners provided. Align notches on load end of winch bracket with tabs on main boom and secure winch/bracket with clevis and lynch pins. Attach winch handle or connect to power if winch is electric.

## STEP 7 ATTACH WIRE ROPE

Locate the quick-connect anchor on the drum of the winch. Thread swaged-ball end of the wire rope through the crane sheaves, working from the front of the boom back to the winch. Insert the swaged ball into the anchor and carefully under wind the wire rope onto the winch.

