BOB-LIFT

BOBLIFTCRANE.COM



Shown: SQ1Z-ER (1 t, wireless remote) on the optional base cart and on a fixed base

PRODUCT CATALOGUE · NOVEMBER 2026 EDITION

Electric mini cranes

1 and 2 ton folding-boom cranes with their own 12 V electric-hydraulic power unit. No truck power take-off and no engine: bolt one to a pickup bed, a workshop floor or a dock, and lift with a wireless remote or manual levers.

SQ1Z-EM | **SQ1Z-ER** | **SQ2Z-EM** | **SQ2Z-ER**

Xuzhou BOB-LIFT Construction Machinery Co., Ltd.
Add: Xuzhou City, Jiangsu Province, China

Website26-1104-a



ABOUT THIS RANGE

A small crane that brings its own power.

The SQ1Z-E and SQ2Z-E are BOB-LIFT's electric mini cranes: a folding boom, a 360° slewing column and a 12 V DC electric-hydraulic power unit on one bolt-down base.

They are made for loads that are too heavy to carry by hand and too small for a full truck-mounted crane. Think moulds and machine parts on a pickup, an engine in a repair bay, farm parts, solar panels and municipal materials. Running from its own battery, it can also work bolted to a floor or a dock with no vehicle at all.

BOB-LIFT has built cranes in Xuzhou, Jiangsu, since 2003. The same factory builds our knuckle boom truck cranes, pickup cranes and marine cranes.

Building cranes since
2003

Annual output, approx.
2,400 cranes

Whole-machine warranty
12 months

Common spare parts dispatched
48 hours

CONTENTS

About BOB-LIFT and the model names 02
The range and how to choose 03
SQ1Z-E · 1 ton 04
SQ2Z-E · 2 ton 05
Controls and details 06
Mounting, applications and safe use 07
Comparison, ordering and contact 08

HOW TO READ A MODEL NAME

SQ	1 / 2	Z	E	M / R
BOB-LIFT crane series	Rated capacity in tonnes	Folding (knuckle) boom	Electric drive	M: manual levers R: wireless remote

Example: SQ2Z-ER is the 2 ton folding-boom electric crane with wireless remote control.

Two sizes. Two controls.

Both cranes share one design: hydraulic luffing, a hydraulic second boom section, a manual third section and 360° slewing. Pick the size from the load chart, then pick the control.



1 TON · ELECTRIC

SQ1Z-E

Rated load	**1,000 kg at 1.2 m**	Max radius	**2.8 m (200 kg)**
Max height	**3.1 m**	Motor	**1200 W, 12 V**
Self weight	**235 kg**	Bolts	**8 × M12**



2 TON · ELECTRIC

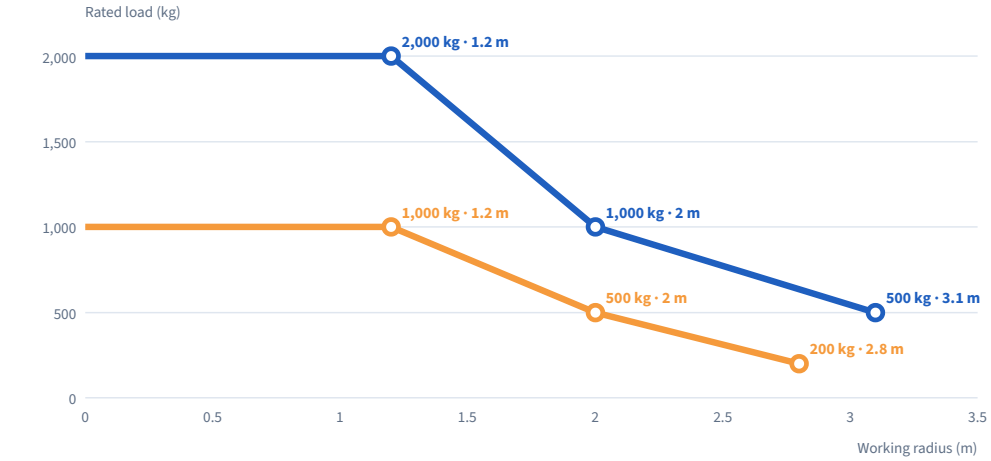
SQ2Z-E

Rated load	**2,000 kg at 1.2 m**	Max radius	**3.1 m (500 kg)**
Max height	**3.4 m**	Motor	**2200 W, 12 V**
Self weight	**290 kg**	Bolts	**8 × M18**

Photo shows the SQ1Z-ER. The SQ2Z-E is the same design, built larger.

1 How heavy, and how far out?

A crane's rating applies close to the column. Both models lift their full rating only up to 1.2 m. Find your heaviest load at the distance you need to place it, and choose the model whose line is above that point.



SQ1Z-E — SQ2Z-E · rated load at each boom section, from the technical department's load charts

2 Where will it be bolted?

On a pickup bed, a light truck deck, a workshop floor or a dock. The base needs a structure strong enough for the lifting moment: 1.2 t·m for the SQ1Z-E, 2.4 t·m for the SQ2Z-E. Bolt patterns are on page 7.

3 Remote or levers?

ER: a handheld wireless remote, so one person can stand where the load is easiest to see. EM: levers on the valve bank, with no radio link to pair or charge. The crane itself is the same.

ELECTRIC MINI CRANE · 1 T

SQ1Z-E

1 Ton Electric Mini Crane · SQ1Z-EM manual levers / SQ1Z-ER wireless remote

Photos, FAQ and quotation
bobliftcrane.com/1-ton-electric-mini-crane.html



Shown: SQ1Z-ER with the boom raised.

Rated load
1,000 kg at 1.2 m

Max radius
2.8 m

Max lifting height
3.1 m

Motor
1200 W · 12 V DC

Slewing
360 °

Self weight
235 kg

The SQ1Z-E is the 1 ton model. A 1200 W electric-hydraulic power unit on a 12 V supply drives the boom luffing, the boom extension and the 360° slewing, so no truck power take-off is needed. The usual battery is a 12 V 60 Ah pack, charged from the mains. With the boom lowered and retracted the crane measures 750 × 520 × 1570 mm and weighs 235 kg, small enough for a pickup bed.

LOAD CHART

BOOM SECTION	RADIUS	RATED LOAD	HOOK HEIGHT
Section 1 (retracted)	**1.2 m**	**1,000 kg**	**2.1 m**
Section 2 (hydraulic)	**2 m**	**500 kg**	**2.6 m**
Section 3 (manual)	**2.8 m**	**200 kg**	**3.1 m**

Never exceed the rated load at the working radius. Hook heights are measured from the drawings and are approximate.

SPECIFICATIONS

Max lifting capacity	**1,000 kg at 1.2 m**
Max lifting moment	**1.2 t·m**
Max working radius	**2.8 m**
Load at max radius	**200 kg**
Max lifting height	**3.1 m**
Rotation angle	**360°**
Motor power	**1200 W**
Voltage	**12 V DC**
Battery	**12 V 60 Ah**
Drive	**Electric-hydraulic power unit**

Control	**SQ1Z-ER: wireless remote · SQ1Z-EM: manual levers**
Boom	**Three sections: hydraulic luffing and extension, manual third section**
Cylinders (bore, mm)	**Luffing 63, extension 40**
Mounting	**Vehicle-mounted or fixed, bolt-down base**
Mounting bolts	**8 × M12 on a 390 × 390 mm square (195 mm between holes)**
Self weight	**235 kg**
Weight with base cart	**285 kg**
Dimensions, stowed (L × W × H)	**750 × 520 × 1570 mm**
With base cart (L × W × H)	**1450 × 900 × 1680 mm**

ELECTRIC MINI CRANE · 2 T

SQ2Z-E

2 Ton Electric Mini Crane · SQ2Z-EM manual levers / SQ2Z-ER wireless remote

Photos, FAQ and quotation
bobliftcrane.com/2-ton-electric-mini-crane.html



Photo shows the SQ1Z-ER. No SQ2Z-E photograph is available yet; it shares the design at a larger size.

Rated load
2,000 kg at 1.2 m

Max radius
3.1 m

Max lifting height
3.4 m

Motor
2200 W · 12 V DC

Slewing
360 °

Self weight
290 kg

The SQ2Z-E is the 2 ton model of the same design, with a 2200 W power unit, a 12 V 136 Ah battery and larger cylinders (luffing 80 mm, extension 63 mm). It lifts twice the load of the SQ1Z-E at 1.2 m and 2 m, and 500 kg at its full 3.1 m reach. Stowed, it measures 850 × 620 × 1670 mm and weighs 290 kg, and it bolts down on a larger 480 mm square of M18 bolts.

LOAD CHART

BOOM SECTION	RADIUS	RATED LOAD	HOOK HEIGHT
Section 1 (retracted)	**1.2 m**	**2,000 kg**	**2.4 m**
Section 2 (hydraulic)	**2 m**	**1,000 kg**	**2.9 m**
Section 3 (manual)	**3.1 m**	**500 kg**	**3.4 m**

Never exceed the rated load at the working radius. Hook heights are measured from the drawings and are approximate.

SPECIFICATIONS

Max lifting capacity	**2,000 kg at 1.2 m**
Max lifting moment	**2.4 t·m**
Max working radius	**3.1 m**
Load at max radius	**500 kg**
Max lifting height	**3.4 m**
Rotation angle	**360°**
Motor power	**2200 W**
Voltage	**12 V DC**
Battery	**12 V 136 Ah**
Drive	**Electric-hydraulic power unit**

Control	**SQ2Z-ER: wireless remote · SQ2Z-EM: manual levers**
Boom	**Three sections: hydraulic luffing and extension, manual third section**
Cylinders (bore, mm)	**Luffing 80, extension 63**
Mounting	**Vehicle-mounted or fixed, bolt-down base**
Mounting bolts	**8 × M18 on a 480 × 480 mm square (240 mm between holes)**
Self weight	**290 kg**
Weight with base cart	**350 kg**
Dimensions, stowed (L × W × H)	**850 × 620 × 1670 mm**
With base cart (L × W × H)	**1550 × 1000 × 1780 mm**

Remote or levers. Same crane.

Every motion is hydraulic and every model comes in two control versions. The crane, power unit and boom are identical; only the way the operator works it changes.



ER wireless remote: stop, start and six motion buttons.

ER · wireless remote

A handheld remote with a start and stop button and six motion buttons: boom up and down, extend and retract, slew left and right. Each button works a solenoid valve on the crane, so one operator can stand where the load is easiest to see, guide it with a free hand and set it down without a helper calling signals.

EM · manual levers

One lever each on the valve bank beside the column for boom up and down, extend and retract, and slewing. There is no radio link to pair, charge or replace, which suits buyers who want the simplest machine and an operator who stands at the crane during every lift.



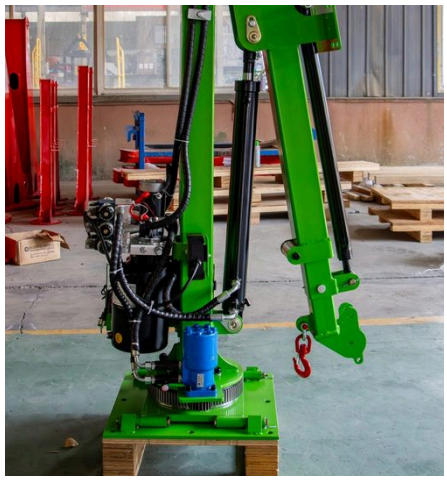
Battery, power unit and slewing ring at the foot of the column.



Luffing and extension. A cylinder raises the boom; the second section extends hydraulically from 1.2 m to 2 m.



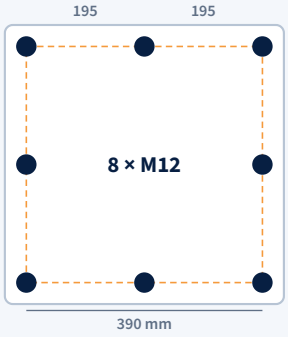
Manual third section. Pinned out by hand for full reach. Swivel hook with safety latch; no winch.



Folded for the road. The boom folds back over the column, and the slewing ring turns a full 360°.

Bolt it down. Lift where you work.

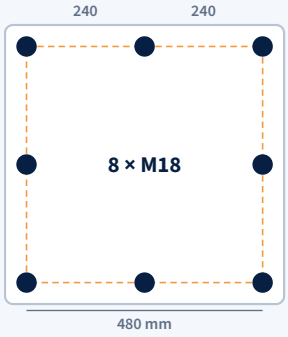
The base plate bolts to the structure, with no welding and no changes to the vehicle. The bolt pattern is a square of eight bolts: one at each corner and one in the middle of each side.



SQ1Z-E · 1 T

8 × M12

390 × 390 mm square,
195 mm between holes.
Lifting moment 1.2 t·m.



SQ2Z-E · 2 T

8 × M18

480 × 480 mm square,
240 mm between holes.
Lifting moment 2.4 t·m.

Drawings are schematic. The exact drawing of the base plate is sent with the quotation.

Where it goes

- **Vehicle bed.** Pickups and light trucks: the crane lifts from the ground beside the vehicle and slews the load onto the deck.
- **Floor or dock.** Fixed in a workshop, a warehouse bay or on a quay, running from its battery.
- **Base cart, optional.** A cart with side outriggers: SQ1Z-E 285 kg, 1450 × 900 × 1680 mm; SQ2Z-E 350 kg, 1550 × 1000 × 1780 mm.

What it lifts

- Moulds, machine parts and building materials on and off pickups.
- Engines, gearboxes and heavy parts in repair workshops.
- Farm machinery parts, fertiliser and materials.
- Solar installation, municipal maintenance and small building sites.

Safe use and care

- Never exceed the load at the working radius, and never side-pull or drag a load.
- The power unit is built for intermittent lifting, such as loading and unloading. Recharge the battery between jobs.
- Keep the slewing ring and pivot pins greased. Seals, pins and bushings are standard sizes.



Base cart, folded. Castor wheels and a push handle to move the crane around the workshop.



Boom raised. The side outrigger bars widen the cart's footprint while lifting.



Boom extended. Furthest reach, lighter loads; follow the load chart.

SIDE BY SIDE

Compare. Then ask us.

	SQ1Z-E · 1 t	SQ2Z-E · 2 t
Max lifting capacity	1,000 kg at 1.2 m	2,000 kg at 1.2 m
Max lifting moment	1.2 t·m	2.4 t·m
Max working radius	2.8 m	3.1 m
Load at max radius	200 kg	500 kg
Max lifting height	3.1 m	3.4 m
Motor power	1200 W	2200 W
Battery	12 V 60 Ah	12 V 136 Ah
Cylinders (bore, mm)	Luffing 63, extension 40	Luffing 80, extension 63
Mounting bolts	8 × M12 on a 390 × 390 mm square (195 mm between holes)	8 × M18 on a 480 × 480 mm square (240 mm between holes)
Self weight	235 kg	290 kg
Weight with base cart	285 kg	350 kg
Dimensions, stowed (L × W × H)	750 × 520 × 1570 mm	850 × 620 × 1670 mm
With base cart (L × W × H)	1450 × 900 × 1680 mm	1550 × 1000 × 1780 mm
Common to both	12 V DC electric-hydraulic drive · 360° slewing · three-section folding boom (third section manual) · EM levers or ER wireless remote	

What to tell us

1. **Where it will be mounted:** vehicle bed, floor or dock.
2. **Which control:** EM manual levers or ER wireless remote.
3. **The base cart:** with or without.
4. **Your heaviest load** and how far from the crane it must be placed.

We confirm the configuration with the quotation. Whole-machine warranty 12 months. Common spare parts are dispatched within 48 hours, and after-sales questions are answered within 12 hours. Shipping ports: Lianyungang, Qingdao and Shanghai.

GET A QUOTATION

Talk to the factory

Website	**bobliftcrane.com/contact**
Email	**info@boblift.com**
Phone · WhatsApp	**+86 158 5249 9415**

Electric mini cranes online
bobliftcrane.com/electric-mini-cranes

BOB-LIFT

Xuzhou BOB-LIFT Construction Machinery Co., Ltd. · Add: Xuzhou City, Jiangsu Province, China
Specifications may change as the design develops; the quotation confirms the figures for your order. Product photographs show the SQ1Z-ER; studio backgrounds were added digitally. © 2026 Xuzhou BOB-LIFT Construction Machinery Co., Ltd. All rights reserved.