



HARKEN
HOISTER
LIFT LAUNCH.



BIKE
LIFT SYSTEM
7800

BIKE/UTILITY LIFT

Installation/Operating Instructions



WARNING! Strictly follow all instructions to avoid an accident, damage to property, personal injury, or death. See www.harken.com for additional safety information.

NEVER USE TO LIFT A PERSON

Specifications

Max lifting load: 20 kg (45 lb)

Max vertical lift for 7800: 3 m (10')

Max vertical lift for 7800B.16: 4.9 m (16')

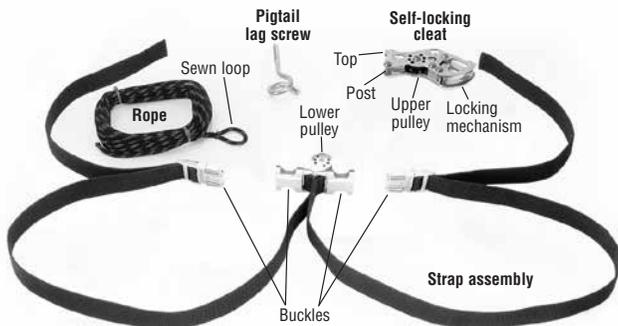
Min lifting load: 4.5 kg (10 lb)

Mechanical advantage: 2:1

Parts List

1 self-locking cleat	77525
1 strap assembly (lower pulley and buckles)	HCP1458
1 4.8 mm rope with sewn loop (22" length) (7800)	HCP2063
1 4.8 mm rope with sewn loop (43" length) (7800B.16)	HCP1483
1 pigtail lag screw	HCP1444

Part No.



Tools Needed

- Electric/hand drill
- Stepladder
- Drill bit 5.5 mm (7/32")
- Safety glasses
- Stud finder (available at a building supply store).

Warranty

The Harken Hoister is covered by a 5-year Limited Warranty. The warranty covers the Hoister pulleys when used in accordance with installation instructions and weight limits specified in instructions, but does not include rope, straps, or buckles. Harken is not responsible for proper and safe installation of the Hoister in various overhead materials. Consult a professional contractor to assure safe installation. **CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.** Some states do not allow the exclusion or limitation of incidental damages, so the above limitation or exclusion may not apply.

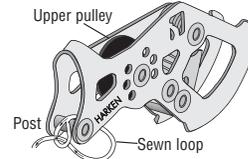
Installation

Please refer to photo/diagrams for terms. Unpack all parts and completely unwind rope.

Attach Rope to Cleat

Start at bottom of self-locking cleat. Pass sewn loop between post and upper pulley, and around post. Allow sewn loop to protrude slightly from cleat. Thread rope through loop. Tighten.

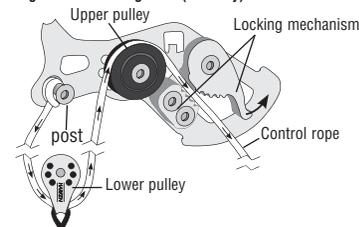
Fig. 1: Self-locking cleat



Attach Lower Pulley

Pass rope through lower pulley on strap assembly. Thread rope back between post and upper pulley. Hold locking mechanism open. Feed rope around upper pulley, and out through locking mechanism.

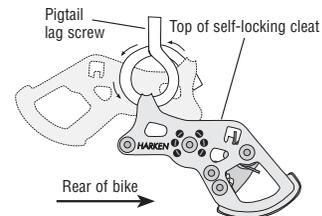
Fig. 2: Self-locking cleat (cutaway)



Install Hoister

Use stud finder to locate trusses/rafters. If not visible, **follow stud finder instructions.** Drill a 5.5 mm (7/32") hole into truss/rafter above balance point of load. Screw pigtail lag screw threads all the way into truss/rafter. Orient lag screw so end of rope points toward rear of bike. Slip top of self-locking cleat over end of pigtail lag screw. **Always wear safety glasses!**

Fig. 3: Strap assembly with lower pulley



Operation

Attach bike/other items

Place item directly under lifting system and unbuckle strap assembly.

Bicycles: Thread one buckle through rear wheel and frame. Fasten. Thread other buckle through front wheel (behind fork), and around frame. Fasten.



Other items: Thread buckles around and/or through a solid connection point (i.e. rungs of a ladder). Fasten buckles and **adjust strap lengths to balance load.**



Raise Object

WARNING! Do not raise or lower object with anyone standing underneath. Keep area below Hoister clear. Do not use this product for human suspension. If components fail, it can cause an accident, damage to property, personal injury, or death.

Hoist in a series of pulls. Pull single black/red hoisting rope (F) straight down. When rope points down, cleat will lock rope. You can release it. Repeat until object is at desired height.

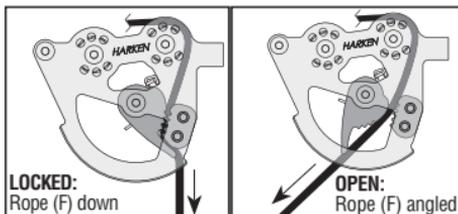


DIAGRAM 1. Locked (left): Single black/red hoisting rope (F) pointed straight down locks cleat. Open (right): Angled rope opens cleat.

WARNING! Stop pulling as soon as object contacts ceiling or webbing strap knots stop at pulley (D). Damage or injury can result from forcing the system. If in doubt, stop hoisting. Allow cleat to lock by angling rope down. Stand back to see if object is raised to the maximum, or if something is jamming rope or object.

With object in raised position, make sure single black/red hoisting rope (F) is securely locked in cleat with rope pointed down (diagram 1). Coil loose rope end. Hang coiled rope for storage when system is not in use.

WARNING! Hang coiled rope where it will not accidentally snag on persons or vehicle. Keep coiled rope out of reach of children. Damage or injury can result if rope is angled away from wall with some tension; object can come down quickly which can cause an accident, damage to property, personal injury, or death.

Lower Object

Securely grip rope, apply tension, and angle it away from object. Bring arm up to let rope out, then back toward object to lock rope. Repeat until object is at desired height.

WARNING! When operating system, make sure area below object is clear of persons. If object comes down too quickly, this can cause an accident, damage to property, personal injury, or death.

Tip: Use gloves to protect hands.

CAUTION! Avoid injury! Do not let rope slip through hands. Angle rope to object to lock rope.