



Heavy Duty

SELF-DUMPING HOPPERS

“Star Attachments Turn a Forklift into a Whole Fleet of Equipment”



Shown with optional casters

Narrow ½ yd Hopper
passes through
standard 3' - 0" Doorway

**STAR HOPPERS
AVAILABLE IN FIVE
POPULAR SIZES:**

½ cubic yard Narrow

1 cubic yard

1½ cubic yard

2 cubic yard

2½ cubic yard

other sizes available

Heavy Duty - “Construction Grade”

Star *Heavy Duty* Self-Dumping Hoppers are constructed of 1/4" and 3/16" steel plate to withstand the use and abuse of a fast moving construction job. These are not the thin sheet metal hoppers you find in many industrial plants but rugged long lasting hoppers designed for the construction industry. Ideal for removing broken-up concrete, plaster, brick and other construction refuse.

Safety First ... these features are standard on all Star Self-Dumping Hoppers.

 **Hopper Safety Lock** - a separate lock prevents the hopper from inadvertently dumping when traveling over rough terrain.

 **Rope Release** - permits releasing the latch from the ground or from the operator's seat. Forklift operator can discharge the hopper safely even when it is elevated.

 **Safety Chain and Grab Hook** - secures the hopper to the forklift. Ensures the hopper will not slide off the forks when traveling or dumping.



Universal Fit - Can be used with both straight-mast and extendable-reach forklifts. Pocket Base accommodates forks up to 10" wide and 2 ½" thick.

Safety Features

Standard on all Hoppers

Safety Chain & Storage Hook



secures hopper to forklift and prevents hopper from accidentally sliding off forks. The hook keeps the chain out of the way when not in use.

Safety Lock



prevents accidental discharge when transporting a load. Must be disengaged before hopper will dump.

Release Handle



at the back of hopper can be used to dump the load or ...

Rope Release



can be used to trip the hopper from the ground or from the operators seat.

Options

Heavy-Duty Casters Model 1800-05

Star Self-Dumping Hoppers are available with Heavy-Duty Steel Casters and 8" diameter Polyurethane Wheels with Roller Bearings. The combination of the larger wheel size, roller bearings, and the polyurethane tire material makes it easier to push the hopper over trash and foreign objects. Rear wheels swivel for easy maneuverability. Casters are bolted to hopper (not welded) so they can be easily replaced if damaged.



Lifting Hooks Model 1800-LH

Optional Lifting Hooks (eyes) are available for handling hoppers with a crane. A hook is welded to each corner of the hopper.



Shackles should be used to attach slings to hooks. Heavy duty hooks are designed to handle the weight of empty hopper plus it's full rated load capacity.

Please Note: Hopper can not be discharged while suspended with a crane.

| MODEL | CAPACITY | WEIGHT CAPACITY * (w/o casters) | BASE DIMENSIONS | TOP DIMENSIONS | OVERALL HEIGHT (w/o casters) | WEIGHT (w/o casters) |
|-------|----------|------------------------------------|-----------------|----------------|---------------------------------|-------------------------|
| 1805N | ½ cuyd | 4,000 lbs. | 42" x 32" | 49" x 32" | 36" | 420 lbs. |
| 1810 | 1 cuyd | 6,000 lbs. | 48" x 39" | 62" x 39" | 39" | 605 lbs. |
| 1815 | 1½ cuyd | 6,000 lbs. | 55" x 43" | 67" x 45" | 46" | 755 lbs. |
| 1820 | 2 cuyd | 6,000 lbs. | 57" x 58" | 66" x 57" | 48" | 925 lbs. |
| 1825 | 2½ cuyd | 6,000 lbs. | 57" x 58" | 67" x 57" | 55" | 955 lbs. |

* Note: Weight capacity of hoppers with casters is 4,000 lbs less the weight of the hopper.

HOPPERS ARE PRIMED AND THEN COATED WITH BLACK ENAMEL.



4101 Garland Dr., Fort Worth, TX 76117
 Ph 817-485-6073 Fax 817-428-6008
USA & Canada Toll Free 800-541-1797
www.starindustries.com

Dealer:

READ THOROUGHLY BEFORE USING SELF DUMPING HOPPERS

BEFORE USE

1. Inspect Hopper Before Each Use and Before Transporting with a Forklift. Check latch assembly and drum rotation components for damage or excessive wear. Replace latch spring if broken. Replace any other damaged or missing parts. Carefully inspect drum and base for broken welds or damage. Make sure hopper is operating properly. If any abnormality is found, discontinue use until proper repair has been made or it is determined the defect does not affect the safe operation of the hopper.

2. Properly Secure Hopper to Forklift. Make sure forks are inserted fully into hopper base between the two horizontal members. The hopper base should be in contact with the back of the forks. Wrap the safety chain around a strong member of the carriage taking up any excess slack. Hook the chain back onto itself using the grab hook on the end. The open part of the grab hook should be pointing down.

3. Do Not Overload Hopper or Forklift. Make sure the weight of the load does not exceed rated capacity of hopper. Also make sure the weight of the loaded hopper does not exceed the capacity of the forklift as shown on its' load chart at the respective fork position. In addition, make sure hopper load will discharge freely. If material hangs up in hopper when discharging, it can cause an overload situation that may affect forklift stability. Do not allow spillage or over-extension of material from hopper.

OPERATING INSTRUCTIONS

1. When Transporting Hopper with Forklift. Make sure Safety Lock is engaged and hopper is properly secured to forklift as described above. Transport hoppers individually, not stacked. Always, observe and practice correct forklift operating procedures as established by your company, the forklift manufacturer, O.S.H.A., and all other federal and state regulatory agencies.

2. When Hopper is Idle. Make sure casters (if so equipped) are locked so it cannot roll and that the Hopper Safety Lock is engaged to prevent hopper from accidentally tripping. Store safety chain on hook when not in use.

3. When Dumping the Load. Make sure the operator and all personnel are clear of the hopper rotation path and clear of falling material. To discharge hopper, disengage safety lock, then trip hopper with release handle or with rope release.

Note: Hopper is designed to work by changing the center of gravity of the hopper and its load. Therefore, it may be necessary to tilt forks forward or backward to release the friction tension on the hopper latch before latch can be released. In addition, it may be necessary to tilt forks forward to complete the dumping operation.

4. Re-Latching Hopper. Normally the hopper will return to latched position upon becoming empty. However, if it does not, tilt forks back until hopper latches. Check to make sure hopper is properly latched and then engage safety lock before transporting.

5. Observe All Safety Regulations. Conform to all federal, state, and company safety regulations. Make sure forklift operator has been properly trained and is certified in accordance with O.S.H.A and A.N.S.I.

HOPPER MAINTENANCE

Lubricate latch hinge bolt, latch hook and hopper lock hinge bolt with oil or grease when needed. This hopper should receive proper maintenance at all times to assure it is in safe working condition. Inspect hopper regularly for broken welds, wear and damage. Repair or replace defective components as needed.



DANGER: DO NOT REACH THROUGH FORKLIFT MAST TO UNLATCH HOPPER. NEVER STAND ON FORKLIFT, OR UNDER FORKS, NOR CLIMB ON FORKLIFT MAST OR BOOM TO UNLATCH HOPPER.