2064
2074
MUSTANG SKID STEER LOADER

Operator's Handbook 000-27026

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Mustang 2064 and 2074 Skid Steer Loader Operator Manual

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Sample pages follow. Full manual: machinecatalogic.com

SAFE OPERATION NEEDS A QUALIFIED OPERATOR

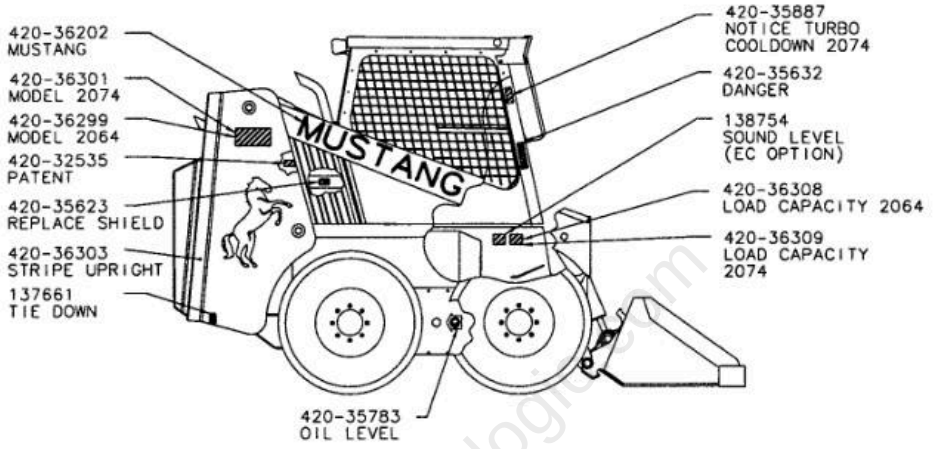
A qualified operator must do the following:

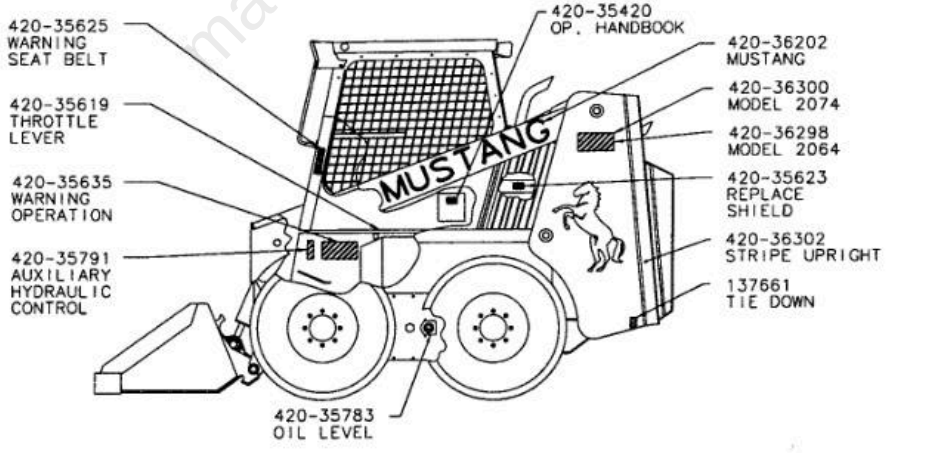
- UNDERSTAND THE WRITTEN INSTRUCTIONS, RULES AND REGULATIONS
  - The written instructions from Mustang Manufacturing Company, Inc. include the Operator's Handbook, the AEM Safety Manual and machine signs (decals).
  - Check and know the rules and regulations of your work area. The rules may include an employee's work safety requirements. Requirements may need identification of hazards such as underground utility supply lines, etc.
- CONDUCT TRAINING WITH THE ACTUAL OPERATION OF THE MUSTANG LOADER
  - Operator training must consist of a demonstration and verbal instructions. This training is given by your authorized Mustang dealer before the Mustang Loader is delivered.
  - New operators must start in an area without bystanders and use all controls until they can operate the Mustang Loader safely under all conditions. Always fasten seat belt and lower seat bar before operating. Always shut off engine and leave attachment flat on the ground before exiting the operator's compartment.
  - Walk around the machine and warn all nearby personnel before starting the machine.
  - Always keep hands and feet inside the operator's compartment while operating the machine.
  - Do not raise or drop a loaded bucket or fork suddenly. Abrupt movements under load can cause serious instability.
  - Never push the lift control into the "float" position with the bucket or attachment loaded or raised, because this will cause the lift arm to lower rapidly.
  - Do not drive too close to an excavation or ditch; be sure that the surrounding ground has adequate strength to support the weight of the loader and the load.
  - Never carry riders. Do not allow others to ride on the machine or attachments, because they could fall or cause an accident.
  - Always look to the rear before backing up the skid steer loader.
  - Operate the controls only from the operator's seat.
  - Always wear safety glasses with side shields when striking metal against metal. In addition, it is recommended that a softer (chip resistant) material be used to cushion the blow. Failure to heed could lead to serious injury to the eyes or other parts of the body.
  - To ensure safe operation, replace damaged or worn-out parts with genuine Mustang service parts.
  - Mustang skid steer loaders are designed and intended to be used only with Mustang attachments or approved referral attachments. Mustang cannot be responsible for operator safety if the loader is used with a non-approved attachment.
  - Always face the loader and use the hand holds and steps when getting on and off the loader. Do not jump off the loader.
- KNOW THE WORK CONDITIONS
  - For each material to be handled, the operator must know how to avoid exceeding the Rated Operating Load (SAE) of the Mustang Loader. For example, in handling certain loose material with a given bucket, operators must know if they can safely take a full load, or only part of a bucket load.
  - The operator must know any prohibited uses or work areas, for example, excessive slopes, explosive environments, etc.
  - Wear tight fitting clothing. Always wear safety glasses when maintaining or servicing a Mustang Loader. Safety glasses, hearing protection or other special equipment may be required for some work. See your authorized Mustang dealer about optional Mustang safety equipment.
  - A qualified operator must not use drugs or alcoholic drinks that will cause impaired alertness or coordination while working. An operator taking prescription drugs must seek medical advice to determine if the operator can safely run the machine.
  - Machine stability is affected by: the load being carried, the height of the load, machine speed, abrupt control movements and driving over uneven terrain. DISREGARDING ANY OF THESE FACTORS CAN CAUSE THE LOADER TO TIP, THROWING THE OPERATOR OUT OF THE SEAT OR LOADER, RESULTING IN DEATH OR SERIOUS INJURY. Therefore, ALWAYS operate with the seat belt fastened and the seat bar lowered. Do not exceed the machine's Rated Operating Load. Carry the load low. Move the controls smoothly and gradually, and operate at speeds appropriate for the conditions.

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DECAL LOCATIONS

Dual Lever Steering\ Hand Lever Loader Control Model
Decal Locations





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AUXILIARY HYDRAULIC ATTACHMENT CONTROLS (cont.)

⚠ WARNING

Keep both feet on pedals while operating machine. Failure to do so can cause serious injury.

Auxiliary Control Pedal

Dual Lever Steering / Hand Lever Loader Control Model

The right foot pedal (Item 1) **[C]** controls auxiliary hydraulics on this model. The left pedal (Item 4) **[C]** serves only as a foot-rest and is mounted in a fixed position.

Pushing on the top (toe) (Item 2) **[C]** (**"A"** on decal) of the auxiliary pedal will supply a flow of hydraulic oil to the attachment. This position should produce the type of motion desired (e.g. closing of grapple). The pedal will return to its neutral position when released and stop the flow of oil to the attachment.

Pushing the top (toe) (Item 2) **[C]** (**"A_d"** on decal) of the pedal all the way forward will put the control valve in a detent position. This will give a constant flow of hydraulic oil to the attachment. To stop the flow of oil, the operator must push the bottom (heel) (item 3) **[C]** of the pedal down (out of detent) and allow the pedal to return to neutral.

Pushing the bottom (heel) (Item 3) **[C]** (**"B"** on decal) of the pedal down from neutral reverses the flow of oil to the attachment. The oil flow will stop when the operator releases the pedal and it returns to neutral.

The auxiliary pedal must be in neutral position when the auxiliary hydraulic system is not in use to prevent overheating of the hydraulic system.

A standard lock switch (Item 5) **[C]** holds the auxiliary pedal in neutral position when not in use (hand control systems only).

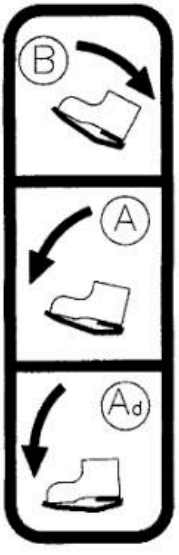
IMPORTANT

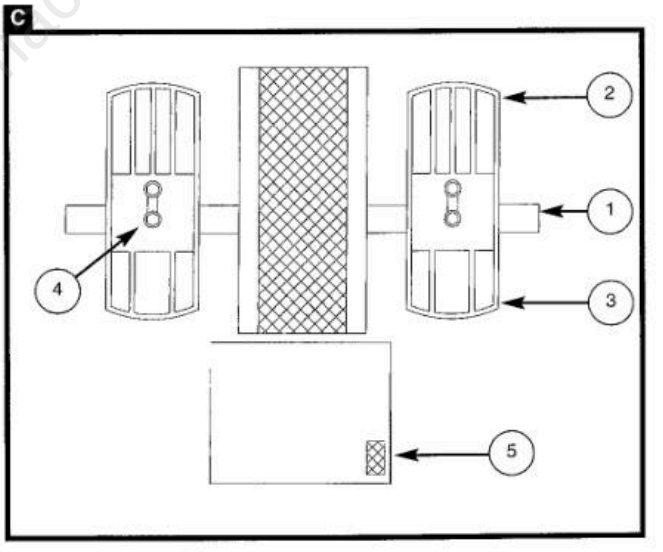
Do not connect or disconnect hydraulic couplers under pressure. For proper procedure see pages 31 and 32.

Auxiliary Hydraulic System Capacity

The 2064/ 2074 Mustang Skid Steer Loader auxiliary hydraulics produces flow rates up to 22 gpm (83.3 L/min) and pressures up to 3000 psi (207 Bar) when operated at maximum engine speed and at full control movement. **NOTE: The 2064 is factory preset at 2500 psi (172 bar). It can be adjusted to 3000 psi (207 bar). Consult your dealer for details.**

Some attachments (such as backhoes) must be operated with the engine at half throttle, or less, to prevent excessive hydraulic speeds and possible overheating.





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Backup Alarm (option)

The backup alarm (item 1) **[A]** is installed on the top rear door of the Mustang Loader. Be sure backup alarm sounds when controls are moved in the rearward direction.

Interior Light (option)

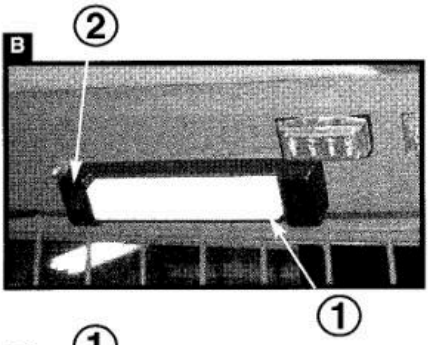
The interior light (item 1) **[B]** is located on the ROPS cover on the upper left side of the ROPS. Turn on and off with switch on the light (item 2) **[B]**.

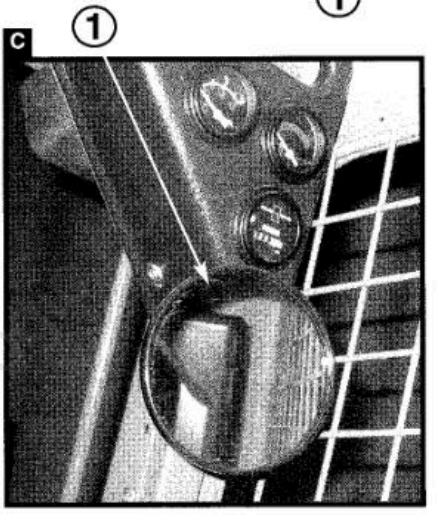
Rear View Mirror (option)

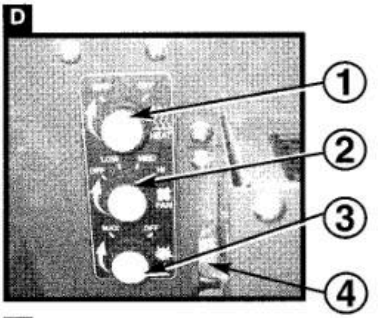
The rear view mirror (item 1) **[C]** is located in the upper right corner of the ROPS.

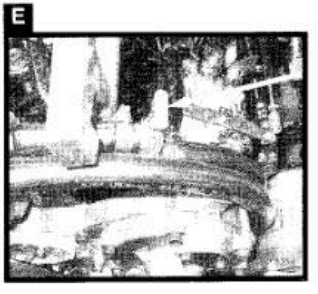
Air Conditioning/Heater Combination (option)

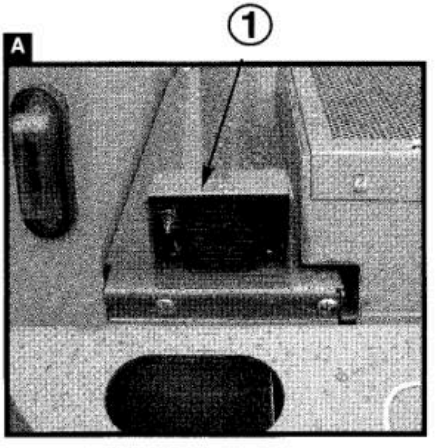
The air conditioning controls are located on the lower left cabin panel **[D].** The heat control knob (item 1) **[D]** rotates clockwise to increase heat, (coolant flow from engine), rotate knob counter clockwise to decrease heat. The fan control knob (item 2) **[D]** rotates clockwise to increase fan speed. Turn counter clockwise to slow fan speed and turn off. The air conditioning temperature knob (item 3) **[D]** rotates clockwise to increase cooling. Turn counterclockwise to decrease cooling. The recirculation vent (item 4) **[D]** can be pulled up to increase the amount of outside air and lowered to allow recirculation of interior air. There is a coolant shut off valve **[E]** located in the engine compartment to ensure that hot coolant does not reduce cooling capacity of the air conditioner. Turn clockwise to shut off flow of coolant, turn counter clockwise to allow coolant flow during the heating season.











Always warm the engine and hydrostatic system before operating. Machines warmed up before use have a longer life.

Operate the Mustang Loader with engine at full speed once engine is warmed up. This will provide maximum horsepower. Move the steering system controls only slightly to operate the Mustang Loader slowly.

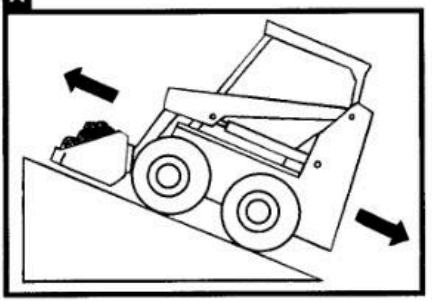
New operators must operate the Mustang Loader in an open area without bystanders. The operator must use and be familiar with all the controls. The operator must be able to handle the Mustang Loader at an efficient and safe speed for all conditions in the work area.

With a full bucket, the Mustang Loader must be driven up and down a slope with the heavy end pointing uphill **[A].**

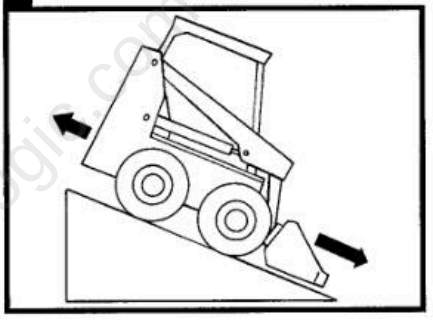
With an empty bucket, the operator must drive up or down the slope with the heavy end pointing uphill **[B].**

When traveling, raise the attachment only high enough to avoid obstructions on rough ground.

A



B



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⚠ WARNING

- **Keep the lift arms as low as possible.**
- **Do not travel or turn with lift arms up.**
- **Drive up and down slopes, not across them.**
- **Keep the heavy end of the machine uphill.**
- **Do not overload the machine.**

Failure to obey warnings can cause the machine to tip or roll over and result in injury or death.

SPARK ARRESTOR MUFFLER

See the Maintenance Chart (page 50) for service intervals for cleaning the spark arrestor muffler. DO NOT operate the Mustang Loader with a defective exhaust system.

IMPORTANT

This loader is equipped with a spark arrestor muffler. It is necessary to maintain this spark arrestor muffler to keep it in working condition. The spark arrestor muffler must be serviced by emptying the spark chamber at specified intervals.

If this machine is operated in flammable forest, brush, or grass covered land, it must be equipped with a spark arrestor attached to the exhaust system and kept in working condition. Failure to comply is a violation of California State Law, Section 4442 PRC.

Refer to local laws and regulations regarding spark arrestor requirements.

⚠ WARNING

When running an engine in an enclosed area, provide fresh air circulation to avoid concentration of exhaust fumes. If the engine is stationary, vent exhaust outside. Exhaust fumes contain odorless, invisible gases which can kill without warning.

Stop engine and allow muffler to cool before cleaning the spark arrestor chamber. Wear safety glasses or goggles. Failure to comply can cause injury.

Never use machine in atmospheres with explosive dust or gases or where exhaust can contact flammable material. Failure to obey warnings can cause injury or death.

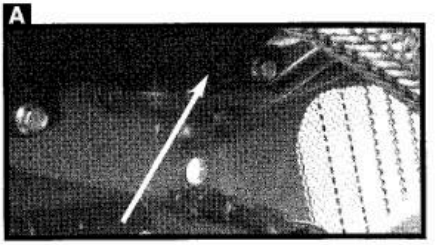
Servicing the Muffler

1. Stop the engine, open rear door, lift the engine cover.
2. Remove plug **[A]** from the bottom of the muffler.
3. Block the outlet of the muffler with non-combustible material.
4. Start the engine, run for 10-15 seconds.
5. Stop engine. Remove blockage.
6. Put anti-seize coating on the plug.
7. Install and tighten plug.
8. Lower engine cover and close rear door.

TIRE AND WHEEL MAINTENANCE

Wheel Nuts

Wheel lug nut torque must be checked before



putting into operation and at 2 hour intervals thereafter until the wheel mounting hardware torque setting stabilizes at the setting recommended 120-130 ft lbs (160-175 Nm). When tires are removed and replaced this procedure must be repeated.

Tire Rotation

Check tires regularly for wear, damage, and pressure. Maintain the correct tire pressure (see chart), Improper tire pressure causes excessive wear and loss of stability and handling.

Rear tires usually wear faster than the front tires. To keep tire wear even, rotate tires from front to rear and rear to front.

It is important to keep the same size tire on each side of the loader to prevent excessive wear on tires, chain, chaincase, or other damage. If different sizes are used, each tire will be turning at a different speed, causing excessive wear.

The tread bar of all tires must face the same direction.

IMPORTANT: When using any form of tire flat-proofing material, or fitting approved tracks to any unit, the heavy-duty tire and heavy-duty rim option must be used.

NOTE: Tracks may not be used with tires filled with flat-proofing foam.

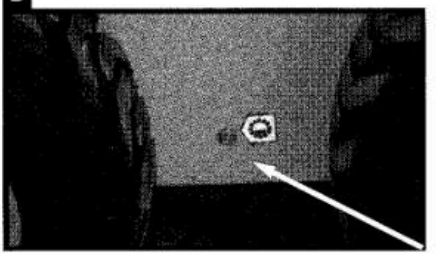
IMPORTANT

Inflate all tires to equal pressure. DO NOT mix brands or types of tires on the same loader.

TIRE INFLATION CHART

TIRE	PLY	TIRE PSI	(BAR)
700-15	6	45	3.06
10-16.5	6	45	3.06
10-16.5	8	60	4.08
12-16.5	8	50	3.40
12-16.5	10	65	4.42
31 X 15.50-15	8	45	3.06
12-16.5 LT L.R.	E	60	4.08
33 X 15.50 X 16.5	12	60	4.08

B



Axle Housings

The axle housings on the 2064 and 2074 model Mustang Loader have sealed, factory-packed bearings in the outer axle housing. They should be
repacked every 1000 hours or when the axle is serviced.

To repack the bearings:
1. Clean dirt and debris from the area surrounding the axle plug.
2. Fill the bearing cavity of the outer axle bearing using a 5-20 psi (0.3-1.3 bar) shutoff zerk (part number 420-35822) installed in the 1/8 inch NPT fitting on the axle housing.
3. Put five pumps of grease with a grease gun in the cavity.
4. Rotate axle two revolutions and pump grease until zerk shutoff activates.

LUBRICATION OF THE LOADER

Lubricate the Mustang Loader daily or every ten hours to obtain the best performance.

Lubricate the following locations on the Mustang Loader:
- Rod End Lift Cylinder (both sides).
- Base End Lift Cylinder (both sides).
- Lift Arm Pivot Pins (both sides).
- Rod End Tilt Cylinder (both sides).
- Base End Tilt Cylinder (both sides).
- Fast-A-Tach Pivot Pins (both sides).

See the Lubrication Chart on page 51.

PIVOT PINS

All lift arm cylinder pivot pins have a large pin held in place with a retainer bolt and nut. Check that the lock nuts are tightened. The required torque is 18-20 ft lbs (24-27 Nm).

⚠ WARNING

MULTI-TACH™ attaching mechanism (hitch) latch pins must extend through the hole in the attachment. Levers must be fully down. Failure to comply will allow the attachment to come off and could cause injury or death.

MULTI-TACH™ Attaching Mechanism (hitch)

Check for free movement of the latch pin(s) and the Multi-Tach™ attaching mechanism (hitch) lever(s). The latch pin(s) must extend far enough to engage the hole(s) in the attachment. Replace parts if bent, worn or damaged.

HYDRAULIC CONTROL ADJUSTMENTS

The hydraulic control system can be adjusted to suit individual operators. The foot pedals have three positions available for height adjustment.

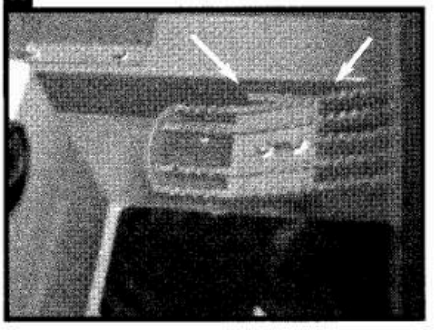
Adjusting pedal height

Remove the two 0.375 in. (10 mm) pivot mount bolts **[A]** at each end of the foot pedal assembly and reposition as desired.

The angle of the foot pedals can be set by adjusting the control cable ends at the foot pedals and/or the control valve.

Adjusting angle of controls at control valve
1. Open the rear door and lift up the engine cover.
2. Loosen jam nut(s) at control cable end yoke **[B]**.
3. Remove bolt from cable control rod and adjust.
4. Turn clockwise (shorten cable) to adjust heel of foot pedal lower to floor or hand lever inward.
5. Turn counter-clockwise (lengthen cable) to adjust pedal toe down or hand control outward.

A



DENSITIES OF MATERIALS

MATERIAL	Density lb/ft³	Density kg/m³	MATERIAL	Density lb/ft³	Density kg/m³
Ashes	35-50	560-800	Lime	60	960
Brick-common	112	1792	Lime Stone	90	1440
Cement	110	1760	Manure-liquid	65	1040
Charcoal	23	368	Manure-solid	45	720
Clay, Wet-Dry	80-100	1280-1600	Peat-solid	47	752
Coal	53-63	848-1008	Phosphate-granular	90	1440
Concrete	115	1840	Potash	68	1088
Cinders	50	800	Quartz-granular	110	1760
Coal-anthracite	94	1504	Salt-dry	100	1602
Coke	30	480	Salt-Rock-solid	135	2160
Earth-dry loam	70-90	1121-1442	Sand-dry	108	1728
Earth-wet loam	80-100	1281-1602	Sand-wet	125	2000
Granite	93-111	1488-1776	Sand-foundry	95	1520
Gravel-dry	100	1602	Shale-crushed	90	1440
Gravel-wet	120	1922	Slag-crushed	70	1120
Gypsum-crushed	115	1840	Snow	15-50	240-800
Iron Ore	145	2320	Taconite	107	1712

BUCKET CAPACITIES (Single-Pin)

Order No.	Bucket Width in - (mm)	Description	Capacity cu ft	Capacity (m³)
634-411	56 (1423)	Construction	9	(0.26)
512-411	56 (1423)	Construction	10	(0.28)
693-456	56 (1423)	Construction with Weld on Teeth	9.5	(0.27)
640-425	61.5 (1562)	Construction, Low Profile	13	(0.37)
650-426	67 (1704)	Construction with Spill Guard	14.5	(0.41)
660-423	67.5 (1714)	Construction	14	(0.40)
670-426	75 (1905)	Construction with Spill Guard	17.5	(0.50)
693-404	48 (1219)	Utility	11.5	(0.33)
512-405	56 (1423)	Utility	13.5	(0.38)
634-426	60 (1524)	Utility	10	(0.28)
504-405	65 (1651)	Utility	16.5	(0.47)
504-406	67 (1704)	Light Material	20.5	(0.58)
554-404	73 (1854)	Light Material	24	(0.68)
554-406	89 (2261)	Light Material	32	(0.91)
650-425	61.5 (1562)	Construction	13	(0.37)

BUCKET CAPACITIES (Two-Pin)

Order No.	Bucket Width in - (mm)	Description	Capacity cu ft	Capacity (m³)
642-425	61.5 (1562)	Construction, Low Profile	13	(0.37)
652-425	61.5 (1562)	Construction	13	(0.37)
652-426	67 (1704)	Construction with Spill Guard	14.5	(0.41)
662-423	67.5 (1714)	Construction	14	(0.40)
672-427	75 (1905)	Construction	17.5	(0.50)
652-405	61.5 (1562)	Utility	16.6	(0.47)
662-411	67 (1702)	Utility	18.2	(0.52)
672-411	73 (1854)	Utility	21.2	(0.60)
670-405	78 (1981)	Light Material	28.4	(0.80)
670-406	84 (2133)	Light Material	30.6	(0.87)
652-433	61.5 (1562)	Grading, Low Profile	12.6	(0.36)
660-427	67.5 (1704)	Construction	16.8	(0.48)
662-435	70 (1778)	Grading, Low Profile	15.5	(0.44)
672-437	75 (1905)	Grading, Low Profile	17	(0.48)

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