

COMPACTION WHEELS

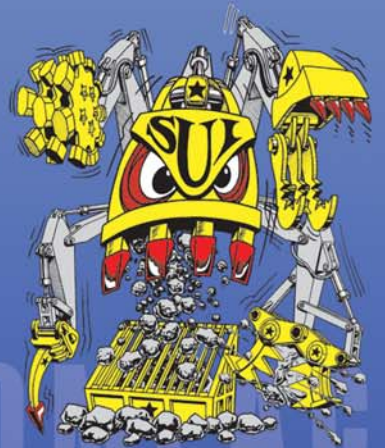


SUI MANUFACTURING, INC.

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RIALTO, CA. 92376

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COMPACTION WHEELS

For All Excavators and Backhoes

Compaction wheels help to assure that trench compaction is done faster and more effectively than a vibratory machine. They are capable of doing more with less wear and tear on the operator and the machine.

Soil Bridging is more likely to occur with vibratory machines that compact from the top down leaving unbroken clay or soil below the surface with voids around them. Compaction wheels work from the bottom up, eliminating bridging while breaking soil and filling in the voids.

Vibration from vibratory machines can loosen joints in water, gas and sewer lines as well as damaging debris slabs, foundations or electronic equipment. This is not a problem with the smooth operation of a compaction wheel.

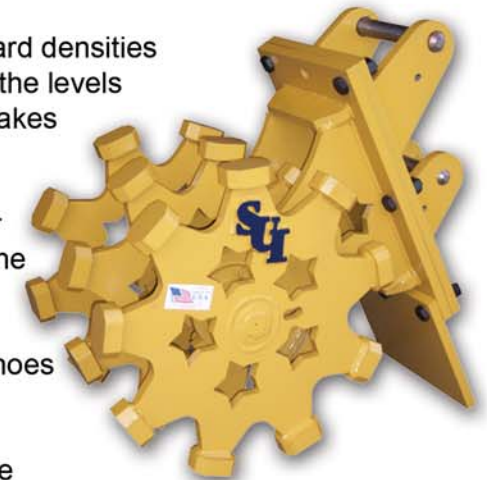
Heavy clay in most instances can not be broken apart by vibration. The aggressive shearing action of a wheel easily breaks up hard soil and or clay, so that they can be intermixed into the rest of the fill soil.

The open-rim design allows maximum penetration through the lift, with standard densities achieved in 6-10 passes under normal soil conditions. The wheel processes the levels of material as it compacts. Bridging and voids are eliminated as compaction takes place from the bottom of the lift up.

Speed of travel is critical with vibratory equipment. Too little time means poor compaction, while too much is inefficient. With a compaction wheel you get the same compaction with a fast or slow motion.

Greater lift thicknesses are possible with a wheel. Lifts of 12" to 24" for backhoes or 24" to 48" for excavators means doing more work in less time.

The mixing and kneading action of a wheel spreads the available soil moisture and produces a more uniform soil consistency for better compaction.



Recommended for all soils.

Built in backfill blade that enables backfilling and compaction with one attachment.

Installs in place of the bucket using standard factory pins.

Self-cleaning design.

Available for excavators, backhoes and skid steers.

Eliminates the need to have men in the trench.

Protects you and your workers.

Processes and mixes the material while you compact.

No special hydraulics or systems for power needed.

Each wheel has been engineered and designed to withstand the impact and thrust load demanded by the piece of equipment to which it is attached.



SEALED BEARING

Compaction Wheel Components

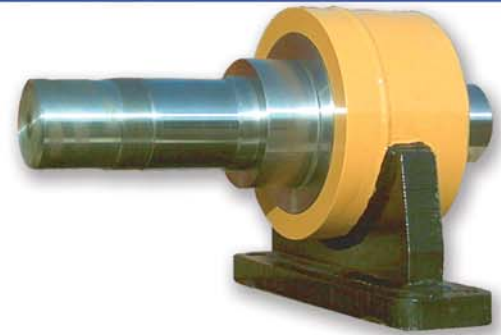


Timken® Double Tapered Roller Bearings

Tapered roller bearings consist of four interdependent components:

- (1) The cone, (The inner ring).
- (2) The cup, (The outer ring).
- (3) The tapered rollers, (The rolling elements).
- (4) The cage, (The roller retainer).

The taper angles allow the bearing to handle a combination of radial and thrust loads. The steeper the cup angle, the greater the ability of the bearing to handle thrust loads!



Shaft & Housing Assembly

Heavy duty shaft and housing assembly provides maximum protection and superior life!



CR Seals®

Heavy Duty CR Seals provide maximum protection from debris and contamination!



Seal Carriers

Precision machined seal carriers assure sealing protection for a long life!



SEALED BEARINGS

- * **Practically Maintenance Free**
(only need to grease approx. 90 days, remove 2 plugs and pump new grease, 5 min..)
- * **No bearing failure from lack of daily greasing.**
- * **Only the best roller bearings (Timken®) and Seals (CR®)**



All manufacturer's names, numbers, symbols & descriptions are used for reference purposes only, and it is not implied that any part listed is the product of these manufacturers.

SUIME COMPACTION WHEEL SERIES

SKID STEER/MINI EXCAVATOR - UP TO 10,000 LBS

PART NUMBER	WIDTH	RIMS	WEIGHT
SUIME6CW	4" TO 6"	1	775 LBS.
SUIME12CW	11"	2	600 LBS.
SUIME18CW	17"	3	750 LBS.
SUIME24CW	23"	3	775 LBS.
SUIME36CW	35"	4	1250 LBS.

SUISL COMPACTION WHEEL SERIES

RUBBER TIRE BACKHOE/MINI EXCAVATOR 10,000 TO 17,000 LBS

PART NUMBER	WIDTH	RIMS	WEIGHT
SUISL6CW	4" TO 6"	1	875 LBS.
SUISL12CW	11"	2	915 LBS.
SUISL18CW	17"	3	1050 LBS.
SUISL24CW	23"	3	1150 LBS.
SUISL36CW	35"	4	1650 LBS.

SUISE COMPACTION WHEEL SERIES

RUBBER TIRE BACKHOE/MINI EXCAVATOR 17,000 TO 27,000 LBS

PART NUMBER	WIDTH	RIMS	WEIGHT
SUISE12CW	11"	2	975 LBS.
SUISE18CW	17"	3	1175 LBS.
SUISE24CW	23"	3	1275 LBS.
SUISE36CW	35"	4	1770 LBS.

SUIEXCS COMPACTION WHEEL SERIES

EXCAVATOR 27,000 TO 50,000 LBS

PART NUMBER	WIDTH	RIMS	WEIGHT
SUIEXCS14CW	13"	2	1725 LBS.
SUIEXCS18CW	17"	3	2125 LBS.
SUIEXCS24CW	23"	3	2270 LBS.
SUIEXCS36CW	35"	4	2460 LBS.
SUIEXCS48CW	47"	5	3250 LBS.

SUIEXCM COMPACTION WHEEL SERIES

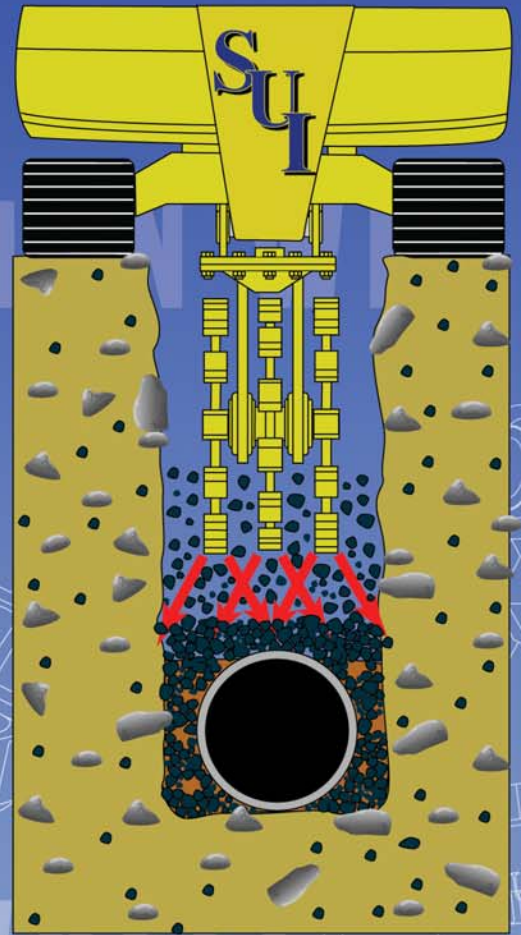
EXCAVATOR 50,000 TO 75,000 LBS

PART NUMBER	WIDTH	RIMS	WEIGHT
SUIEXCM24CW	23"	3	3300 LBS.
SUIEXCM36CW	35"	4	3700 LBS.
SUIEXCM48CW	47"	5	4650 LBS.
SUIEXCM60CW	59"	6	5220 LBS.

SUIEXCL COMPACTION WHEEL SERIES

EXCAVATOR 75,000 TO 115,000 LBS

PART NUMBER	WIDTH	RIMS	WEIGHT
SUIEXCL24CW	23"	3	3700 LBS.
SUIEXCL36CW	35"	4	4150 LBS.
SUIEXCL48CW	47"	5	5140 LBS.
SUIEXCL60CW	59"	6	6425 LBS.

**FEATURES**

AR 400 Wear Points.
 Double Tapered Roller Bearings.
 Manufactured With High Quality Steel.
 Removable Mount Plate with Pins.
 Machine to Machine Versatility.
 Models range from Skid Steers,
 Backhoes, Mini Excavators, up to
 Large Excavators.
 Optional sealed housing bearings
 available for excavator wheels.

Wheels available up to

300,000 Lb. machines

Please contact your Local Dealer.