

Single Column Lifter

Single Column Lifter for 200 Litre Tote Bins BTM/250/3330/M

Single Column Lifter Description

The single column lifter is designed to lift and tip a 200 Litre tote bin at a discharge height of 3330mm. The single column lifter is constructed from Grade 304 stainless steel, is fully TIG welded throughout and will operate on a 'dead mans handle' principle. Lifting with the single column lifter is achieved by a ¾" Simplex chain driven by a motor gearbox mounted at the top of the main column. The single column lifter lift frame was fitted with a tipping chute to ensure no spillage at the full tip position and there was also a magnetic interlock switch fitted to the column to ensure the machine was positioned correctly prior to tipping taking place. The single column lifter was designed to be mobile on two fixed and two swivel braked castors.



Single Column Lifter for 200 Litre Tote Bins Mobile

Call now on 01495 312 172

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Single Column Lifter Specification

DESCRIPTION	SINGLE COLUMN LIFTER
MODEL No.	BTM/250/3330/M
CAPACITY	250Kgs
TIPPING HEIGHT	3330mm
TIPPING ANGLE	130 DEGREES
OVERALL HEIGHT	4280mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	STANDARD 200 LITRE TOTE BIN
BASE ARRANGEMENT	MOBILE ON CASTORS
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD
MOTOR DETAIL	0.55kW, 415V, 3 PHASE, 50 CYCLE
MOTOR BRAKE	415V SEPARATELY EXCITED
GEARBOX DETAIL	FLENDER D38 M1P4D7.5
OUTPUT R.P.M.	28 R.P.M.
RATIO	50:1
LOAD/TENSION CHAIN	¾" SIMPLEX DELTA Z
TENSILE STRENGTH	3000Kgs
LIFT SPEED	6.4 METERS/MINUTE

Single Column Lifter Application Story

This single column lifter is a simple mobile machine that was used to load product into a vibratory conveyor. The single column lifter was mobile so that it could be moved away from the rest of the production line when cleaning was carried out.

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CUSTOMER

REVISION NUMBER

CUSTOMER

DRAWING TITLE

SINGLE PILLAR 200 LITRE TOTE BIN TIPPER
 MOBILE

DRAWING NUMBER

BP3031-1

REMOVE ALL BURRS AND SHARP EDGES
 TOLERANCES : UNLESS OTHERWISE STATED
 FABRICATIONS : +/- 2.0mm
 MACHINING : +/- 0.2mm
 SHEET METAL WORK : +/- 1.0mm AND +/- 1.0 DEG

DRAWN JPW
 CHECKED
 DATE 04-10-05

