

## Single Pillar Lifter

### Single Pillar Lifter

BTM/300/2600/B/G

### Single Pillar Lifter Description

This single pillar lifter is designed to lift and tip a 200 Litre and 300 Litre tote bin at a discharge height of 2600mm. The single pillar lifter is constructed from Grade 304 stainless steel and is fully TIG welded throughout. Lifting with the single pillar lifter is achieved by a  $\frac{3}{4}$ " Duplex chain driven by a motor gearbox mounted at the top of the main column. This single pillar lifter is designed to be bolted to the floor.



*Single Pillar Lifter for 200 Litre Tote Bins*

Call now on 01495 312 172

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**Safety Guard to PD 5304:2005 Safety of Machinery**

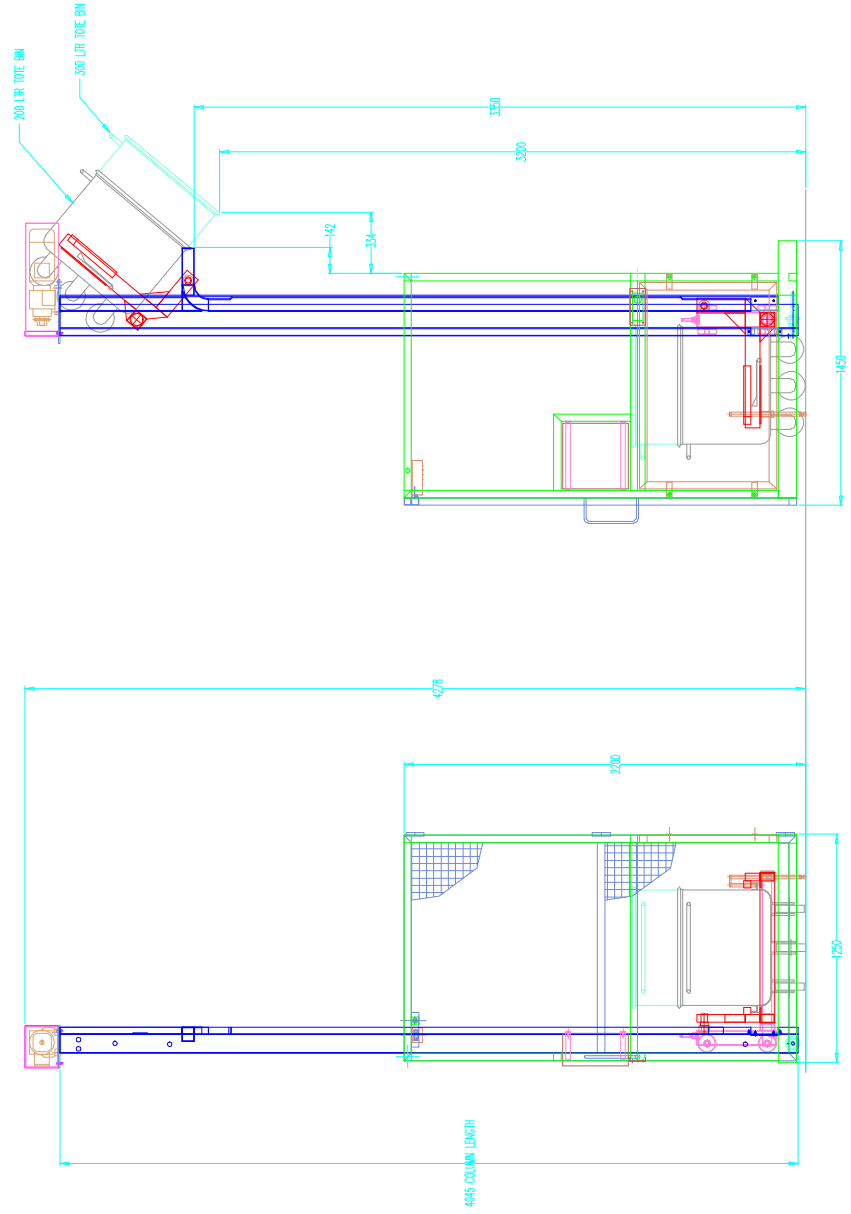
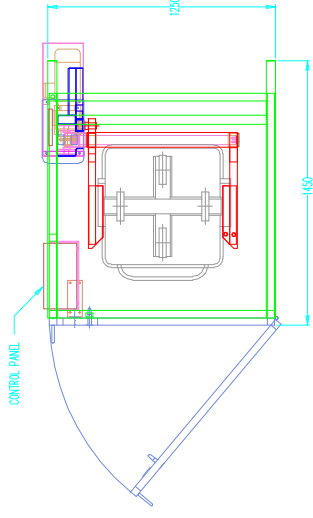
The safety guard is constructed from 40 x 40 x 3mm stainless steel box section and 3mm wire, 40mm aperture stainless steel weld mesh to meet the requirements of PD 5304:2005 Safety of Machinery. It would enclose the single pillar lifter to a height of 2200mm on three sides with a hinged door on the fourth side. The guard door is electrically and mechanically interlocked preventing the single pillar lifter from operating with the door open. In addition, the guard door can only be opened when the lifting carriage is at the full down position. The single pillar lifter control system has provision for a 'Call for Product' signal to be connected.

**Single Pillar Lifter Specification**

DESCRIPTION	SINGLE PILLAR LIFTER
MODEL No.	BTM/300/2600/B/G
CAPACITY	300Kgs
TIPPING HEIGHT	2600mm
TIPPING ANGLE	130 DEGREES
OVERALL HEIGHT	3550mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	STANDARD 200 & 300 LITRE TOTE BIN
BASE ARRANGEMENT	BOLTED TO THE FLOOR
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD
MOTOR DETAIL	0.75kW, 415V, 3 PHASE, 50 CYCLE
MOTOR BRAKE	415V SEPARATELY EXCITED
GEARBOX DETAIL	FLENDER
OUTPUT R.P.M.	28 R.P.M.
RATIO	50:1
LOAD/TENSION CHAIN	¾" DUPLEX DELTA Z
TENSILE STRENGTH	6000Kgs
LIFT SPEED	6.4 METERS/MINUTE

**Single Pillar Lifter Application Story**

This is a guarded single pillar lifter for 200 litre and 300 litre tote bins with a discharge height of 2600mm. The single pillar lifter runs at a lift speed of 6.4 Meters/Minute which would give a total cycle time of approximately 66 seconds from full down to full up and back again. Having fitted a safety guard, it is possible to automate this tipping cycle so that the operator can be usefully employed elsewhere whilst the tipping cycle is completed.



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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 13-09-05
DRAWING NUMBER BP3027-1	

REVISION NUMBER	CUSTOMER
DRAWING TITLE	SINGLE PILLAR 200 LITRE TOTE BIN TIPPER BOLTED GUARDED