

Guarded Bin Tipper

Single Pillar Guarded Bin Tipper BTM/300/5200/B/G

Single Pillar Guarded Bin Tipper Description

This single pillar 400 Litre guarded bin tipper is designed to lift and tip at a discharge height of 5200mm. The capacity of this guarded bin tipper was rated at 300Kgs because the product being tipped was loose salad leaves. The guarded bin tipper is constructed from Grade 304 stainless steel and is fully TIG welded throughout. The lifting is achieved by a $\frac{3}{4}$ " Simplex chain driven by a motor gearbox mounted at the top of the main column. The guarded bin tipper is designed to be bolted to the floor.



Single Pillar 400 Litre Guarded Bin Tipper

Call now on 01495 312 172

webenquiry@basehandling.co.uk

Base Handling Products Limited, Unit 20, Barleyfield Industrial Estate
Brynmawr, Gwent, NP23 4YF.



Safety Guard to PD 5304:2005 Safety of Machinery

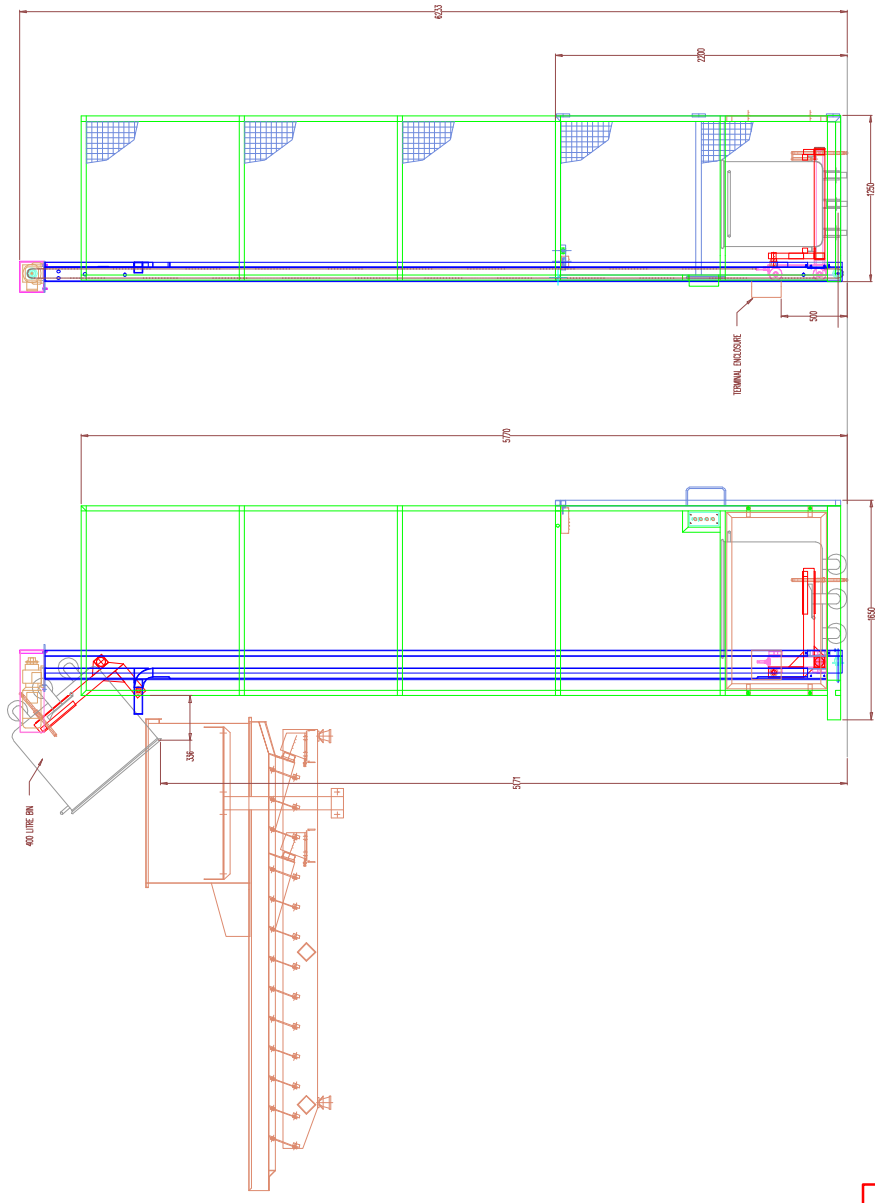
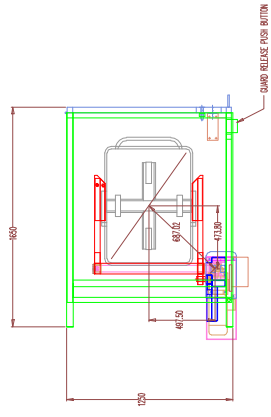
The safety guard is constructed from 40 x 40 x 3mm stainless steel box section and 3mm wire, 40mm aperture stainless steel weld mesh to meet the requirements of PD 5304:2005 Safety of Machinery. It would enclose the guarded bin tipper to a height of 5770mm on three sides with a hinged door on the fourth side. The guard door is electrically and mechanically interlocked preventing the guarded bin tipper 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 guarded bin tipper control system has provision for a 'Call for Product' signal to be connected.

Guarded Bin Tipper Specification

DESCRIPTION	SINGLE PILLAR GUARDED BIN TIPPER
MODEL No.	BTM/300/5200/B/G
CAPACITY	300Kgs
TIPPING HEIGHT	5200mm
TIPPING ANGLE	130 DEGREES
OVERALL HEIGHT	6233mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	400 LITRE TOTE BIN
BASE ARRANGEMENT	BOLTED TO THE FLOOR & BRACED
CONTROL CIRCUIT	24Vac
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" SIMPLEX DELTA Z
TENSILE STRENGTH	3000Kgs
LIFT SPEED	6.4 METERS/MINUTE

Guarded Bin Tipper Application Story

These guarded bin tippers were designed for a loose leaf salad processor to load product onto the beginning of their packing lines. Although the tote bins used had a 400 Litre capacity, when they were filled with loose leaf salads, the weight of product was only 100 Kgs. The control circuit on these guarded bin tippers was interfaced with the vibratory feed hopper and the tipper would stop at an intermediate limit switch just prior to the tipping cam unless a 'call for product' signal was being received. This ensured an automatic lift and tip operation and prevented the vibratory feed hopper from being over filled



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BASE HANDLING PRODUCTS LIMITED
 UNIT 20 BARLETFIELD INDUSTRIAL ESTATE,
 BRYNMAWR,
 GWENT, NP23 4TF
 TEL: (01495) 312172 FAX: (01495) 312089 EMAIL: info@baseproducts.co.uk

REVISION NUMBER
 CUSTOMER

DRAWING TITLE

SINGLE PILLAR 400 LITRE TOTE BIN TIPPER
 BOLTED GUARDED

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 07-01-04

DRAWING NUMBER

BP2747-1