

Guarded Skip Tipper

Single Pillar Guarded Skip Tipper

BTM/275/2750/B/G

Single Pillar Guarded Skip Tipper Description

This single pillar guarded skip tipper was designed to lift and tip an integral skip at a height of 2750mm. The guarded skip tipper is constructed from Grade 304 stainless steel and is fully TIG welded throughout. The lifting is achieved via a chain driven by a motor gearbox mounted at the top of the main column. The guarded skip tipper is designed to be bolted to the floor.



Single Pillar Guarded Skip Tipper

Call now on **01495 312 172**

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Safety Guard to PD 5304:2005 Safety of Machinery

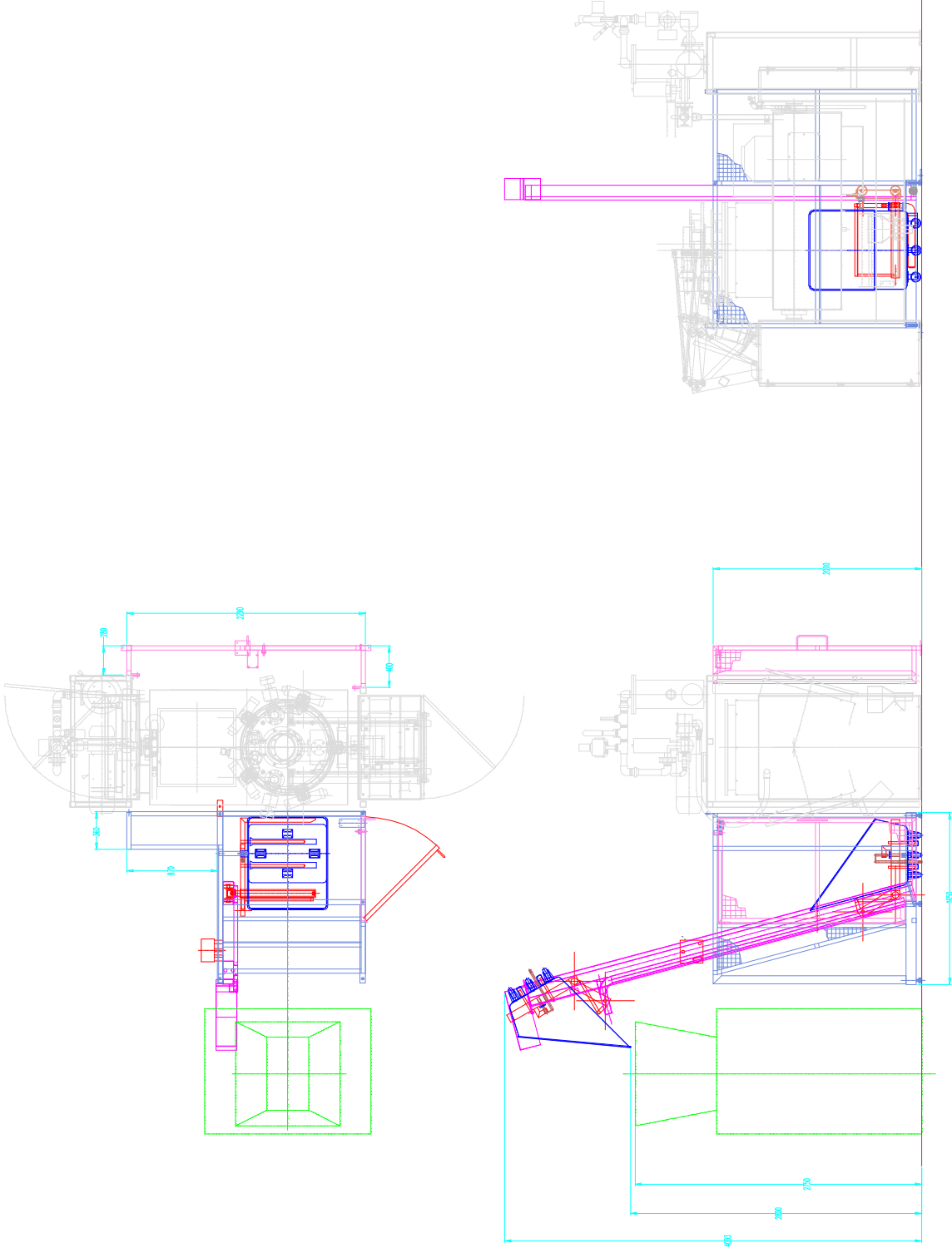
The safety guard is constructed from 40 x 40 x 3mm stainless steel box section and 3mm wire, 40mm aperture stainless steel weld mesh to meet the requirements of PD 5304:2005 Safety of Machinery. It would enclose the guarded skip tipper to a height of 2200mm on three sides with a hinged door on the fourth side. The guard door is electrically and mechanically interlocked preventing the guarded skip 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 skip tipper control system has provision for a 'Call for Product' signal to be connected.

Guarded Skip Tipper Specification

DESCRIPTION	SINGLE PILLAR GUARDED SKIP TIPPER
MODEL No.	BTM/275/2750/B/G
CAPACITY	275Kgs
TIPPING HEIGHT	2750mm
TIPPING ANGLE	130 DEGREES
OVERALL HEIGHT	4000mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	INTEGRAL SKIP
BASE ARRANGEMENT	BOLTED TO THE FLOOR & BRACED
CONTROL CIRCUIT	24Vdc
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD or SPRING
MOTOR DETAIL	0.55kW, 415V, 3 PHASE, 50 CYCLE
MOTOR BRAKE	415V SEPARATELY EXCITED
GEARBOX DETAIL	SEW R43DT80K4BMHR
OUTPUT R.P.M.	28 R.P.M.
RATIO	50:1
LOAD/TENSION CHAIN	3/4" SIMPLEX DELTA 'Z'
TENSILE STRENGTH	3000Kgs
LIFT SPEED	6.4 METERS/MINUTE

Guarded Skip Tipper Application Story

This guarded skip tipper was designed for APV Baker to accept a load of dough from their mixer and to lift and tip automatically into a dough depositor. The guarded skip tipper had to interface into the APV control system and became an integral part of the dough handling system. The guarded skip tipper is angled forward by 15 degrees to clear various parts of the depositor and to give a better discharge angle to ensure that all of the dough was released quickly and completely. The integral skip was coated with Teflon to also ensure the dough released. The skip could be easily removed through the safety guard gate for cleaning purposes.



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 29-01-04
DRAWING NUMBER BP2759-1	

DRAWING TITLE
SINGLE PILLAR INTEGRAL SKIP TIPPER
BOLTED GUARDED

REVISION NUMBER
CUSTOMER

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DRAWN THIRD ANGLE PROJECTION

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