

Single Pillar Hoist

Single Pillar Hoist
BTM/250/2700/M/G/T

Single Pillar Hoist Description

This single pillar hoist is designed to lift and tip a 200 Litre tote bin at a discharge height of 2700mm. The single pillar hoist is constructed from Grade 304 stainless steel and is fully TIG welded throughout. Lifting with the single pillar hoist is achieved by a $\frac{3}{4}$ " Simplex chain driven by a motor gearbox mounted at the top of the main column. This single pillar hoist is designed to be bolted mobile on a track to guide it between two cooking vessels for loading.



*Single Pillar Hoist for 200 Litre Tote Bins
Mobile on a Track*

Call now on **01495 312 172**

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Base Handling Products Limited, Unit 20, Barleyfield Industrial Estate
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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 either 3mm wire, 40mm aperture stainless steel weld mesh or 2mm stainless steel sheet to meet the requirements of PD 5304:2005 Safety of Machinery. It would enclose the single pillar hoist to a height of 2200mm on three sides with a double hinged door on the fourth side. The guard door is electrically and mechanically interlocked preventing the single pillar hoist 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 hoist control system was interfaced with the cooking vessel controls to ensure that the single pillar hoist could only operate at the appropriate times.

Single Pillar Hoist Specification

DDESCRIPTION	SINGLE PILLAR HOIST
MODEL No.	BTM/250/2700/M/G/T
CAPACITY	250Kgs
TIPPING HEIGHT	2700mm
TIPPING ANGLE	130 DEGREES
OVERALL HEIGHT	3960mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	STANDARD 200 LITRE TOTE BIN
BASE ARRANGEMENT	MOBILE ON A TRACK
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
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 Pillar Hoist Application Story

This is a guarded 200 litre tote bin single pillar hoist with a discharge height of 2700mm. The machine is mobile on a track so that it can be moved backwards and forwards to feed two cooking vessels. When the single pillar hoist is positioned correctly, an interlock switch is made allowing the bin to be lifted and tipped.

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REVISION NUMBER
 CUSTOMER

DRAWING TITLE

SINGLE PILLAR 200 LITER TOTE BIN TIPPER
 GUARDED MOBILE ON A TRACK

DRAWING NUMBER
 BP3263-1

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 07-04-08

