

Double Pillar Box Tipper

Double Pillar Box Tipper
BTM/2P/500/2925/B

Double Pillar Box Tipper Description

This double pillar box tipper was designed to lift and tip a 600 Litre container (1200mm x 1000mm x 750mm High) at a discharge height of 2925mm. The double pillar box tipper was constructed from Grade 304 stainless steel and is fully TIG welded throughout. Lifting with the double pillar box tipper is accomplished via chains driven by a motor gearbox mounted at the top of the one column with a crossover shaft to the other column. This double pillar box tipper is designed to be bolted to the floor.



Double Pillar Box Tipper for a 600 Litre Container

Call now on 01495 312 172

webenquiry@basehandling.co.uk

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



Double Pillar Box Tipper Specification

DESCRIPTION	DOUBLE PILLAR BOX TIPPER
MODEL No.	BTM/2P/500/2925/B
CAPACITY	500Kgs
TIPPING HEIGHT	2925mm
TIPPING ANGLE	180 DEGREES
OVERALL HEIGHT	4675mm
MACHINE HANDING	LEFT OR RIGHT HAND AVAILABLE
TIPPING CHUTE	OPTIONAL
CONTAINER DESCRIPTION	600 LITRE CONTAINER
BASE ARRANGEMENT	BOLTED TO THE FLOOR
CONTROL CIRCUIT	24Vac (STANDARD)
ELECTRICAL RATING	IP65
LIMIT SWITCHES	ADJUSTABLE ROD
MOTOR DETAIL	0.75Kw, 3 PHASE, 50 CYCLE, 415V
MOTOR BRAKE	415V SEPARATELY EXCITED
GEARBOX DETAIL	SIEMENS
LOAD CHAIN	1" SIMPLEX SEDIS DELTA Z
TENSION CHAIN	¾" SIMPLEX DELTA Z
LIFT SPEED	6.4 METERS/MINUTE

Double Pillar Box Tipper Application Story

This double pillar box tipper was required to lift and tip a box containing bean sprouts into a vibratory feeder hopper. To ensure that the bean sprouts were discharged in the tipped position, the bin was completely inverted through 180 degrees. To do this the box tipper lift carriage tips the bin to an initial angle of 130 degrees at which time the lift carriage inner frame gently falls forward to achieve the final tip angle of 180 degrees. The rate at which the final 50 degrees of tip is achieved is adjustable via a hydraulic cylinder with flow control valves. The end of travel position at full up and full down on this cylinder is cushioned.

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