



Packaging Information – Metric Bulk Packs

PERFORMANCE PIPE METRIC BULK PACKS

SIZE	TYPE	PIPE OD	LAYER PER TRUCK	JOINTS PER LAYER	JOINTS PER TRUCK 40' / 12 meters	DR	FEET PER TRUCK 40' JOINTS	METERS PER TRUCK 12 METERS JOINTS
250 mm	Metric	9.843"	7	10	70	7.25	2,800'	840
250 mm	Metric	>	9	10	90	11 -32.25	3,600'	1,080
280 mm	Metric	11.024"	6	9	54	7.25	2,160'	648
280 mm	Metric	>	8	9	72	11 -32.25	2,880'	864
315 mm	Metric	12.402 "	5	8	40	7.25	1,600'	480
315 mm	Metric	>	7	8	56	11 -32.25	2,240'	672
355 mm	Metric	13.976"	5	7	35	7.25	1,400'	420
355 mm	Metric	>	6	7	42	11 -32.25	1,680'	504
400 mm	Metric	15.748"	4	6	24	7.25	960'	288
400 mm	Metric	>	5	6	30	11 -32.25	1,200'	360

METRIC BULK PACK PACKAGING STANDARDS

1. Bulk Packs:

- A. Bulk packs – for packaging all metric straight lengths between 9.843" OD through 15.748" OD pipe.
- B. Lumber Size and Placement:

2. For industrial pipe packs the packs shall be constructed using 2"x 6" bottom boards (Note: 2"x 6" boards actually have a thickness of approximately 1.5".) For gas products plants will use 3" X 4" lumber. Grooved boards are preferable, but not mandatory as the banding will create a notch in some soft woods securing the banding in place. Plants may use one 3" x 4" for bottom boards for any product line in diameters 3" and 4" to help with pack stability as long as they don't exceed height restrictions. Hardwood or softwood is acceptable.

A.

- (1) Bottom board lengths are as follows.

Pipe Size	Board Length
250 mm	43 ¼"
280 mm	48" / 37"
315mm	42"
355 mm	46" / 42"
400 mm	36"

- (2) Bottom boards are spaced at six (6) equidistant locations for 12 meter joints
- (3) Bottom boards are spaced at six (6) equidistant locations for forty-foot (40') joints.



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B. Banding:

Each band on a bundle shall be tightened to the same approximate tension. Use at least one (1) 5/8" X .035, 3/4" X .040 or 3/4" X .050 polyester banding per bottom board.

E. Storage:

Special care must be taken when staging bulk packs in storage.

F. Transport:

Performance Pipe Transport Strapping Policy establishes minimum requirements regarding the number of trucker straps used in all transportation providers to secure bulk packs. The policy also contains conditions regarding the tightening of straps after a carrier leaves a Performance Pipe facility.

G. Tarping:

All pipe series may, at customer request, be smoked tarped, 1/3 tarped or full tarped depending on customer requirement.

Performance Pipe's definition of

- **Smoke tarp**- at least 8' back on top and 4' in front and on sides
- **1/3 tarp**- covering all product at minimal 1/3 of the load
- **Full tarp**- covering all product.

An individual customer requirement may override this definition.

(Customer requested tarping of any load will incur additional expense to the customer. Any damage caused by tarp is the sole responsibility of the customer requesting a tarp.)

H. End Caps:

Place end caps (or plugs) on all 6500-8100-8300 and 5300 series products or if the customer requests end caps.

METRIC BULK PACKAGE CONSTRUCTION



250 mm 5jts – 5jts



280 mm 5jts – 4jts



315 mm 4jts – 4jts



355 mm 4jts – 3jts

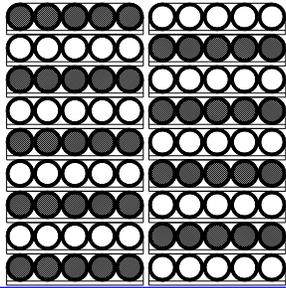


400 mm 3jts – 3jts

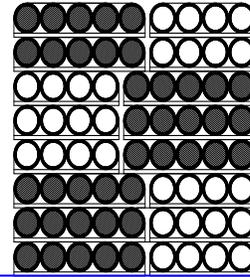
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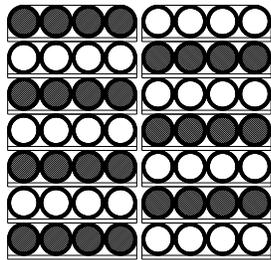
BULK PACK TRUCKLOAD PACKAGE STANDARDS



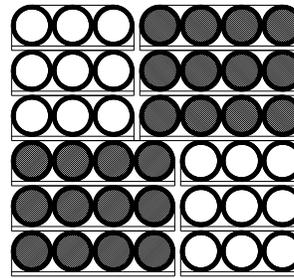
250 mm 90 jts per truck



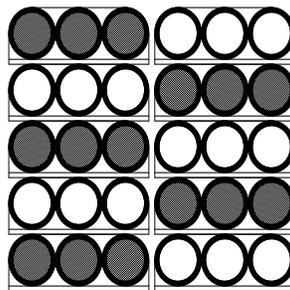
280 mm 72 jts per truck



315 mm 56 jts per truck



355 mm 42 jts per truck



400 mm 30 jts per truck

NOTE: LOADS AND MATERIALS NOT DRAWN TO SCALE. CERTAIN DR'S MAY BE LIMITED BY WEIGHT. NO LOADS ARE TO EXCEED 45,000 LBS.