



Packaging Information – LTL Packaging

LTL PACKAGING

PERFORMANCE PIPE IPS PRODUCTS BOXES

Size IPS	Nominal OD	Length	(1) Type of Package	Pieces per Package	Feet per Package	Box Size	Pallet Size	Packages per Pallet	Feet per Pallet
½"	0.840"	6'	Box	220	1,320'	16" x 9 ½" x 76"	44" x 79"	6	7,920
½"	0.840"	7'	Box	220	1,540'	16" x 9 ½" x 88"	44" x 92"	6	9,240
½"	0.840"	10'	Box	220	2,200'	16" x 9 ½" x 124"	44" x 127"	6	13,200'
½"	0.840"	12'	Box	220	2,640"	16" x 9 ½" x 148"	44" x 152"	6	15,840'
¾"	1.050"	6'	Box	145	870'	16" x 9 ½" x 76"	44" x 79"	6	5,220'
¾"	1.050"	7'	Box	145	1,015'	16" x 9 ½" x 88"	44" x 92"	6	6,090'
¾"	1.050"	10'	Box	145	1,450'	16" x 9 ½" x 124"	44" x 127"	6	8,700'
¾"	1.050"	12'	Box	145	1,740'	16" x 9 ½" x 148"	44" x 152"	6	10,440'
1"	1.315"	6'	Box	88	528'	16" x 9 ½" x 76"	44" x 79"	6	3,168'
1"	1.315"	7"	Box	88	616'	16" x 9 ½" x 88"	44" x 92"	6	3,696'
1"	1.315"	10'	Box	88	880'	16" x 9 ½" x 124"	44" x 127"	6	5,280'
1"	1.315"	12'	Box	88	1,056'	16" x 9 ½" x 148"	44" x 152"	6	6,336'

(1) Bags are an acceptable substitute to boxes for those plants that do not have inside storage available for boxed product. Pieces per bag are 55 for ½", 29 for ¾" and 22 for 1". Feet per pallet is the same as shown for boxes.



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PERFORMANCE PIPE CTS PRODUCTS BOXES

Size CTS	Nominal OD	Length	(1) Type of Package	Pieces per Package	Feet per Package	Box Size	Pallet Size	Packages per Pallet	Feet per Pallet
½"	0.625"	6'	Box	400	2,400'	16" x 9 ½" x 76"	44" x 79"	6	14,400'
½"	0.625"	7'	Box	400	2,800'	16" x 9 ½" x 88"	44" x 92"	6	16,800'
½"	0.625"	10'	Box	400	4,000'	16" x 9 ½" x 124"	44" x 127"	6	24,000'
½"	0.625"	12'	Box	400	4,800'	16" x 9 ½" x 148"	44" x 152"	6	28,800'
¾"	0.875"	6'	Box	200	1,200'	16" x 9 ½" x 76"	44" x 79"	6	7,200'
¾"	0.875"	7'	Box	200	1,400'	16" x 9 ½" x 88"	44" x 92"	6	8,400'
¾"	0.875"	10'	Box	200	2,000'	16" x 9 ½" x 124"	44" x 127"	6	12,000'
¾"	0.875"	12'	Box	200	2,400'	16" x 9 ½" x 148"	44" x 152"	6	14,400'
1"	1.125"	6'	Box	130	780'	16" x 9 ½" x 76"	44" x 79"	6	4,680'
1"	1.125"	7'	Box	130	910'	16" x 9 ½" x 88"	44" x 92"	6	5,460'
1"	1.125"	10'	Box	130	1,300'	16" x 9 ½" x 124"	44" x 127"	6	7,800'
1"	1.125"	12'	Box	130	1,560'	16" x 9 ½" x 148"	44" x 152"	6	9,360'
1 ¼"	1.375"	6'	Box	75	450'	16" x 9 ½" x 76"	44" x 79"	6	2,700'
1 ¼"	1.375"	7'	Box	75	525'	16" x 9 ½" x 88"	44" x 92"	6	3,150'
1 ¼"	1.375"	10'	Box	75	750'	16" x 9 ½" x 124"	44" x 127"	6	4,500'
1 ¼"	1.375"	12'	Box	75	900'	16" x 9 ½" x 148"	44" x 152"	6	5,400'

(1) Bags are an acceptable substitute to boxes for those plants that do not have inside storage available for boxed product.
 Pieces per bag are 100 for ½", 50 for ¾", 26 for 1", and 25 for 1 ¼". Feet per pallet is the same as shown for boxes.



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PERFORMANCE PIPE METRIC PRODUCTS BOXES

Size CTS	Nominal OD	Length	(1) Type of Package	Pieces per Package	Feet per Package	Box Size	Pallet Size	Packages per Pallet	Feet per Pallet
20 mm	0.790"	6'	Box	125	750'	16" x 9 1/2" x 76"	44" x 79"	6	4,500'
20 mm	0.790"	7'	Box	125	875'	16" x 9 1/2" x 88"	44" x 92"	6	5,250'
20 mm	0.790"	10'	Box	125	1,250'	16" x 9 1/2" x 124"	44" x 127"	6	7,500'
20 mm	0.790"	12'	Box	125	1,500'	16" x 9 1/2" x 148"	44" x 152"	6	9,000'
25 mm	0.980"	6'	Box	88	528'	16" x 9 1/2" x 76"	44" x 79"	6	3,168'
25 mm	0.980"	7'	Box	88	616'	16" x 9 1/2" x 88"	44" x 92"	6	3,696'
25 mm	0.980"	10'	Box	88	880'	16" x 9 1/2" x 124"	44" x 127"	6	5,280'
25 mm	0.980"	12'	Box	88	1,056'	16" x 9 1/2" x 148"	44" x 152"	6	6,336'
32 mm	1.260"	6'	Box	54	324'	16" x 9 1/2" x 76"	44" x 79"	6	1,944'
32 mm	1.260"	7'	Box	54	378'	16" x 9 1/2" x 88"	44" x 92"	6	2,268'
32 mm	1.260"	10'	Box	54	540'	16" x 9 1/2" x 124"	44" x 127"	6	3,240'
32 mm	1.260"	12'	Box	54	648'	16" x 9 1/2" x 148"	44" x 152"	6	3,888'
63 mm	2.480"	6'	Box	24	144'	16" x 9 1/2" x 76"	44" x 79"	6	864'
63 mm	2.480"	7'	Box	24	168'	16" x 9 1/2" x 88"	44" x 92"	6	1,008'
63 mm	2.480"	10'	Box	24	240'	16" x 9 1/2" x 124"	44" x 127"	6	1,440'
63 mm	2.480"	12'	Box	24	288'	16" x 9 1/2" x 148"	44" x 152"	6	1,728'

(1) Bags are an acceptable substitute to boxes for those plants that do not have inside storage available for boxed product.
 Pieces per bag are 25 for 20 mm, 22 for 25 mm, 9 for 32 mm, and 6 for 63 mm. Feet per pallet is the same as shown for boxes.

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Packaging Information – LTL Packaging

LTL PACKAGING PERFORMANCE PIPE IPS PRODUCTS BUNDLES & BULK PACKS

Size IPS	Nominal OD	Length	Type of Package	Pieces per Package	Feet per Package	Pallet Size	Packages per Pallet	Feet per Pallet
1 ¼"	1.660"	6'	Hard Sided Bundle	153	918	44" x 79"	2	1,836
1 ¼"	1.660"	7'	Hard Sided Bundle	153	1,071'	44" x 92"	2	2,142'
1 ¼"	1.660"	10'	Hard Sided Bundle	153	1,530'	44" x 127"	2	3,060'
1 ¼"	1.660"	12'	Hard Sided Bundle	153	1,836'	44" x 152"	2	3,672'
1 ½"	1.900"	6'	Hard Sided Bundle	129	774'	44" x 79"	2	1,548'
1 ½"	1.900"	7'	Hard Sided Bundle	129	903'	44" x 92"	2	1,806'
1 ½"	1.900"	10'	Hard Sided Bundle	129	1,290'	44" x 127"	2	2,580'
1 ½"	1.900"	12'	Hard Sided Bundle	129	1,548'	44" x 152"	2	3,096'
2"	2.375"	6'	Hard Sided Bundle	88	528'	44" x 79"	2	1,056'
2"	2.375"	7'	Hard Sided Bundle	88	616'	44" x 92"	2	1,232'
2"	2.375"	10'	Hard Sided Bundle	88	880'	44" x 127"	2	1,760'
2"	2.375"	12'	Hard Sided Bundle	88	1,056'	44" x 152"	2	2,112'
3"	3.500"	6'	Soft Sided Bundle	50	300'	44" x 79"	2	600'
3"	3.500"	7'	Soft Sided Bundle	50	350'	44" x 92"	2	700'
3"	3.500"	10'	Soft Sided Bundle	50	500'	44" x 127"	2	1,000'
3"	3.500"	12'	Soft Sided Bundle	50	600'	44" x 152"	2	1,200'
4"	4.500"	6'	Soft Sided Bundle	29	174'	44" x 79"	2	348'
4"	4.500"	7'	Soft Sided Bundle	29	203'	44" x 92"	2	406'
4"	4.500"	10'	Soft Sided Bundle	29	290'	44" x 127"	2	580'
4"	4.500"	12'	Soft Sided Bundle	29	348'	44" x 152"	2	696'
5"	5.563"	6'	Soft Sided Bundle	15	90'	44" x 79"	2	180'
5"	5.563"	7'	Soft Sided Bundle	15	105'	44" x 92"	2	210'
5"	5.563"	10'	Soft Sided Bundle	15	150'	44" x 127"	2	300'
5"	5.563"	12'	Soft Sided Bundle	15	180'	44" x 152"	2	360'



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LTL PACKAGING PERFORMANCE PIPE IPS PRODUCTS BUNDLES & BULK PACKS

Size IPS	Nominal OD	Length	Type of Package	Pieces per Package	Feet per Package	Pallet Size	Packages per Pallet	Feet per Pallet
6"	6.625"	6'	Soft Sided Bundle	13	78'	44" x 79"	2	156'
6"	6.625"	7'	Soft Sided Bundle	13	91'	44" x 92"	2	182'
6"	6.625"	10'	Soft Sided Bundle	13	130'	44" x 127"	2	260'
6"	6.625"	12'	Soft Sided Bundle	13	156'	44" x 152"	2	312'
7"	7.125"	6'	Soft Sided Bundle	11	66'	44" x 79"	2	132'
7"	7.125"	7'	Soft Sided Bundle	11	77'	44" x 92"	2	154'
7"	7.125"	10'	Soft Sided Bundle	11	110'	44" x 127"	2	220'
7"	7.125"	12'	Soft Sided Bundle	11	132'	44" x 152"	2	264'
8"	8.625"	6'	Soft Sided Bundle	9	54'	44" x 79"	2	108'
8"	8.625"	7'	Soft Sided Bundle	9	63'	44" x 92"	2	126'
8"	8.625"	10'	Soft Sided Bundle	9	90'	44" x 127"	2	180'
8"	8.625"	12'	Soft Sided Bundle	9	108'	44" x 152"	2	216'
10"	10.750"	6'	Bulk Pack	4	24'	44" x 79"	2	48'
10"	10.750"	7'	Bulk Pack	4	28'	44" x 92"	2	56'
10"	10.750"	10'	Bulk Pack	4	40'	44" x 127"	2	80'
10"	10.750"	12'	Bulk Pack	4	48'	44" x 152"	2	96'
12"	12.750"	6'	Bulk Pack	3	18'	44" x 79"	2	36'
12"	12.750"	7'	Bulk Pack	3	21'	44" x 92"	2	42'
12"	12.750"	10'	Bulk Pack	3	30'	44" x 127"	2	60'
12"	12.750"	12'	Bulk Pack	3	36'	44" x 152"	2	72'

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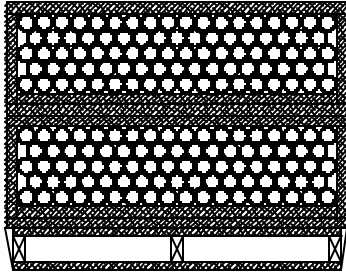
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LTL PACKAGING PERFORMANCE PIPE IPS PRODUCTS BUNDLES & BULK PACKS

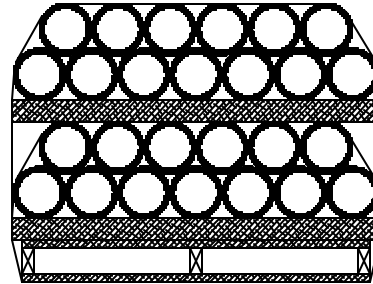
Size IPS	Nominal OD	Length	Type of Package	Pieces per Package	Feet per Package	Pallet Size	Packages per Pallet	Feet per Pallet
14"	14.000"	10'	Bulk Pack	3	30'	44" x 127"	2	60'
16"	16.000"	10'	Bulk Pack	3	30'	44" x 127"	2	60'
18"	18.000"	10'	Bulk Pack	2	20'	44" x 127"	2	40'
20"	20.000"	10'	Bulk Pack	2	20'	44" x 127"	2	40'
21 1/2"	21.000"	10'	Bulk Pack	2	20'	44" x 127"	2	40'
22"	22.000"	10'	Bulk Pack	2	20'	44" x 127"	2	40'
24"	24.000"	10'	Bulk Pack	2	20'	44" x 127"	2	40'

Packaging Information – LTL Packaging

LTL – BUNDLES CONSTRUCTION

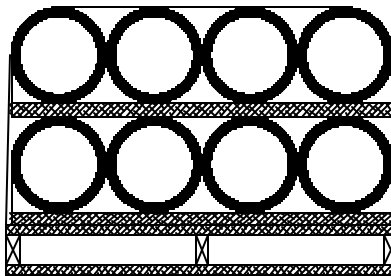


HARD SIDED BUNDLE



SOFT SIDED BUNDLE

LTL – BULK PACK CONSTRUCTION



BULK PACK