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**User Guide for Plastic Pipe
Load Calculator available on
www.charlottepipe.com**

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Material Search

Material Type
 You may select the display *ALL* plastic pipe materials, or use the pull-down to display items within a specific material group of pipe materials.

Material Type: ALL Materials SKIDS FEET Multi-Item Search

Material Search: NONE Items Per Page: 10

Material Number	Material Description	Feet Per Truck	T/L Factor Per Skid	SKIDS	SELECT
PVC 04005 0600	PVC SCH 40 PLAIN END	252,000'	0.5	<input type="text"/>	+
PVC 04005 0800	PVC SCH 40 BELLED	252,000'	1	<input type="text"/>	+
PVC 04007 0600	PVC FOAM CORE	196,000'	0.5	<input type="text"/>	+
PVC 04007 0800	PR-200 & PR-160	196,000'	1	<input type="text"/>	+
PVC 04010 0600	WELL CASING	132,000'	0.5	<input type="text"/>	+
PVC 04010 0800	APA	132,000'	1	<input type="text"/>	+
PVC 04025 0600	ABS FOAM CORE	38,080'	1	<input type="text"/>	+
PVC 07100 0600	PVC SCH 80	101,760'	0.583	<input type="text"/>	+

Material Search
 Enter a specific material to display *ONLY* that item. Enter the Charlotte Pipe part number, and click the magnifying glass to search.

Material Type: ALL Materials SKIDS FEET Multi-Item Search

Material Search: PVC 07112 0800 Items Per Page: 10

Material Number	Size	Length	Pieces Per Skid	Feet Per Skid	Skids Per Truck	Feet Per Truck	T/L Factor Per Skid	SKIDS	SELECT
PVC 07112 0800	1 1/2"	20'	165	3,300'	24	79,200'	1	<input type="text"/>	+

[Select All](#)

SKIDS or FEET
Select whether you want to enter the material quantity in *SKIDS* or *FEET*. Click the toggle of your selection.

Material Type: ALL Materials
Material Search: Material Number . . . **SKIDS** **FEET** **Multi-Item Search** **Items Per Page:** 10

Multi-Item Search
To search for a list of specific materials, check the *Multi-Item Search* feature. Enter the Charlotte Pipe part number for the materials in the **Material Search** box, making sure each item is on a separate line. When you have entered all of the part numbers, click the magnifying glass to search for the items.

Material Type: ALL Materials
Material Search: Multi-Item Search Material Numbers must match the Charlotte Pipe Material Number format and have a Line Break after each item.
Example:
PVC 07400 0600
PVC 04005B 0600
AW 14002 0020C
PVC 07300 0800 **SKIDS** **FEET** **Multi-Item Search** **Items Per Page:** 10

Items Per Page
Personalize how many items are displayed on the page using the *Items Per Page* selection. The minimum number of items to display is five. When displaying the minimum number of items, use the page numbers at the bottom of the page to advance the material listing. The maximum number of items to display is 40.

Material Type: ALL Materials
Material Search: Material Number . . . **SKIDS** **FEET** **Multi-Item Search** **Items Per Page:** 5

Material Selection

After entering all of the material selection criteria, click on the *magnifying glass* to search.

Material Type: ALL Materials
 SKIDS FEET Multi-Item Search

Material Search:

PVC 10010B 0600
PVC 07600 0600
PVC 04400 0600
PVC 07400 0600
PVC 04300 0600

All of the materials meeting the search criteria entered above will show beneath the search criteria:

Material Number	Size	Length	Pieces Per Skid	Feet Per Skid	Skids Per Truck	Feet Per Truck	T/L Factor Per Skid	SKIDS	SELECT
PVC 07400 0600	4"	10'	67	670'	24	16,080'	1	<input style="width: 40px;" type="text"/>	+
PVC 07600 0600	6"	10'	33	330'	24	7,920'	1.166	<input style="width: 40px;" type="text"/>	+
PVC 04300 0600	3"	10'	113	1,130'	24	27,120'	1	<input style="width: 40px;" type="text"/>	+
PVC 04400 0600	4"	10'	67	670'	24	16,080'	1	<input style="width: 40px;" type="text"/>	+
PVC 10010B 0600	1"	20'	177	3,540'	28	99,120'	0.7	<input style="width: 40px;" type="text"/>	+
<input type="button" value="Select All"/>									

Items Per Page: 10

Enter the number of skids (or footage) of the material, and click the **+** to *select* the material.

Material Number	Size	Length	Pieces Per Skid	Feet Per Skid	Skids Per Truck	Feet Per Truck	T/L Factor Per Skid	SKIDS	SELECT
PVC 07400 0600	4"	10'	67	670'	24	16,080'	1	<input style="width: 40px; text-align: center;" type="text" value="5"/>	+
PVC 07600 0600	6"	10'	33	330'	24	7,920'	1.166	<input style="width: 40px; text-align: center;" type="text" value="12"/>	+
PVC 04300 0600	3"	10'	113	1,130'	24	27,120'	1	<input style="width: 40px; text-align: center;" type="text" value="7"/>	+
PVC 04400 0600	4"	10'	67	670'	24	16,080'	1	<input style="width: 40px; text-align: center;" type="text" value="4"/>	+
PVC 10010B 0600	1"	20'	177	3,540'	28	99,120'	0.7	<input style="width: 40px; text-align: center;" type="text" value="3"/>	+
<input type="button" value="Select All"/>									

You may enter the amount for a material and *select* it individually, or enter the amounts for all of the materials and add them all at once, using the *Select All* button.

The bottom portion of the page will give a summary of all of the *selected* materials and the quantities entered:

Selected Materials													<input checked="" type="radio"/> SKIDS <input type="radio"/> FEET	
Material Number	Size	Length	Pieces Per Skid	Feet Per Skid	Skids Per Truck	Feet Per Truck	T/L Factor Per Skid	SKIDS	FEET	WEIGHT	UPDATE	REMOVE	T/L Factor	
PVC 07400 0600	4"	10'	67	670'	24	16,080'	1	<input type="text" value="5"/>	3,350	6,884	+	-	5	
PVC 07600 0600	6"	10'	33	330'	24	7,920'	1.166	<input type="text" value="12"/>	3,960	14,304	+	-	13.992	
PVC 04300 0600	3"	10'	113	1,130'	24	27,120'	1	<input type="text" value="7"/>	7,910	7,095	+	-	7	
PVC 04400 0600	4"	10'	67	670'	24	16,080'	1	<input type="text" value="4"/>	2,680	3,318	+	-	4	
PVC 10010B 0600	1"	20'	177	3,540'	28	99,120'	0.7	<input type="text" value="3"/>	10,620	4,301	+	-	2.1	
<input type="button" value="Update All"/>											<input type="button" value="Remove All"/>			

Column	Data Summary
Skids / Feet	Selection Option to show quantities in Skids or Feet
Material Number	Charlotte Pipe Material ID
Size	Size of the pipe
Length	Length of the pipe
Pieces Per Skid	Number of pieces in a skid of the material
Feet Per Skid	Footage in a skid of the material
Skids Per Truck	Number of skids to a truck
Feet Per Truck	Footage for a full truckload
T/L Factor Per Skid	Amount of truck space we estimate a skid of the material will consume
Skids	Selected number of skids entered
Feet	Total footage of the number of skids selected
Weight	Total weight of the number of skids selected
Update	Option to update any changes made to the material quantity selected
Remove	Option to remove the material from your selection
T/L Factor	Amount of truck space we estimate your selection will consume
Update All	Selection Option to <u>update</u> all material quantity changes at once
Remove All	Selection Option to <u>remove</u> all of the selected items at once

You may change the data presentation of the **Selected Materials** from SKIDS to FEET (or vice versa) by changing the toggle.

Selected Materials													<input type="radio"/> SKIDS	<input checked="" type="radio"/> FEET
Material Number	Size	Length	Pieces Per Skid	Feet Per Skid	Skids Per Truck	Feet Per Truck	T/L Factor Per Skid	SKIDS	FEET	WEIGHT	UPDATE	REMOVE	T/L Factor	
PVC 07400 0600	4"	10'	67	670'	24	16,080'	1	5	3350	6,884	+	-	5	
PVC 07600 0600	6"	10'	33	330'	24	7,920'	1.166	12	3960	14,304	+	-	13.992	
PVC 04300 0600	3"	10'	113	1,130'	24	27,120'	1	7	7910	7,095	+	-	7	
											Update All	Remove All		

The highlighted fields in the **Selected Materials** section are available to edit.

Update the T/L Factor with any item changes by clicking + on the item.

Remove a single material from the T/L Factor calculation by clicking the - to remove it.

Selected Materials													<input type="radio"/> SKIDS	<input checked="" type="radio"/> FEET
Material Number	Size	Length	Pieces Per Skid	Feet Per Skid	Skids Per Truck	Feet Per Truck	T/L Factor Per Skid	SKIDS	FEET	WEIGHT	UPDATE	REMOVE	T/L Factor	
PVC 07400 0600	4"	10'	67	670'	24	16,080'	1	6.49	4350	8,939	+	-	6.49	
PVC 07600 0600	6"	10'	33	330'	24	7,920'	1.166	2	660	2,384	+	-	2.332	
PVC 04300 0600	3"	10'	113	1,130'	24	27,120'	1	1	1130	1,014	+	-	1	
											Update All	Remove All		

Edit more than one item at a time and use the **Update All** button to re-calculate the T/L Factor with all of the changes entered.

Selected Materials													<input type="radio"/> SKIDS	<input checked="" type="radio"/> FEET
Material Number	Size	Length	Pieces Per Skid	Feet Per Skid	Skids Per Truck	Feet Per Truck	T/L Factor Per Skid	SKIDS	FEET	WEIGHT	UPDATE	REMOVE	T/L Factor	
PVC 10010B 0600	1"	20'	177	3,540'	28	99,120'	0.7	1	3540	1,434	+	-	0.7	
											Update All	Remove All		

Remove all of the items shown in the Selected Materials section by clicking **Remove All**.

Load Calculation

Directly under the Material Selection section of the page, is the *Load Calculator*. This feature provides a summary of the materials selected as well as an estimation of how much space the selected materials will consume on a standard 48' flatbed.

10' Skids	20' Skids	TOTAL Skids	TOTAL Weight(lbs)	MAX T/L Factor	TOTAL T/L Factor
28	3	<u>31</u>	35,902	28	32.092

Column	Data Summary
10' Skids	Total number of 10' Skids based on the material selected
20' Skids	Total number of 20' Skids based on the material selected
TOTAL Skids	Total number of Skids for the material selected
TOTAL Weight (lbs)	Total weight of the material selected
MAX T/L Factor*	Guideline for how much space material can consume on the truck; see the additional loading notes below
TOTAL T/L Factor	Total calculation of how much space your selected material will consume on the truck

Important note: Truckload Factors are estimates only. Height restrictions may apply. Regardless of Truckload Factor, you cannot exceed the maximum weight of 45,000 lbs per truckload.

T/L Factor shown in **GREEN TEXT** = T/L Factor for the selected material is within acceptable range for a “good” load.

TOTAL T/L Factor
27.992

T/L Factor shown in **RED TEXT** = T/L Factor for the selected material is acceptable, but nearing maximum. Be mindful of the material combinations and weight of the load.

TOTAL T/L Factor
30.992

T/L Factor shown in **RED TEXT WITH STRIKETHROUGH** = T/L Factor for the selected material is **too high** and it will not fit on the truck. You should remove some of the material.

TOTAL T/L Factor
35.992

Additional Load Building Notes

PVC Pipe Shipping Guidelines

- **28** is the maximum **Truckload Factor** of **20ft** pipe.
- **35** is the maximum **Truckload Factor** for a combination of **10ft** and **20ft** pipe.
- **28** is the maximum **Truckload Factor** of **10ft** sizes 1½" and 2" (Foam/PVC).
- **24** is the maximum **Truckload Factor** of **10ft** sizes 3", 4", and 6" (Foam/PVC); review the Loading Chart to utilize additional space on truck.
- **24** is the maximum **Truckload Factor** of **20ft** sizes 4", 6", 8" and 10" (Foam/PVC); review the Loading Chart to utilize additional space on truck.
- **24** is the minimum **Truckload Factor** for a full truckload.

ABS Pipe Shipping Guidelines

- **5 skids high** is the max height on ABS.
- **28** is the maximum **Truckload Factor** of **10ft** ABS pipe.
- **28** is the maximum **Truckload Factor** of **20ft** ABS pipe.
- **35** is the maximum **Truckload Factor** for a combination of **10ft** and **20ft** pipe.