

FasTrack Table of Lengths

Lionel modernized its three-rail track system and introduced FasTrack in its 2003 catalog. Though initially designed for its starter train sets, FasTrack quickly became extremely popular and Lionel has introduced many new FasTrack items to expand the appeal of FasTrack well beyond the starter set.

One feature of FasTrack is that it must be assembled in a rather precise manner. FasTrack does not have the flexibility that tubular track had to fill gaps and must be assembled within precise dimensions. To accommodate this, Lionel has produced straight sections in a variety of lengths. With its recent introduction of a three-inch section, there are now seven different lengths available.

1 $\frac{3}{8}$
1 $\frac{3}{4}$
3
4 $\frac{1}{2}$
5
10
30

Using these different sections there are numerous combinations to precisely fit almost any circumstance. On the following pages, we have compiled a list of lengths and the combination of track sections required to make them. These lengths are provided in $\frac{1}{8}$ -inch increments, from $1 \frac{3}{8}$ inches to 20 inches. The first table lists the most efficient combination, that is one using the least number of sections to achieve each length. In some cases, there is more than one configuration achieving the same number of pieces and both have been listed.

The second table lists every possible combination of track sections to achieve each length. The most efficient for each length is highlighted in orange. Lengths shorter than $5 \frac{3}{4}$ inches that cannot be made up using available sections and are highlighted in gray. All lengths above $5 \frac{5}{8}$ inches are possible in $\frac{1}{8}$ -inch increments. In almost all cases, a gap of less than $\frac{1}{8}$ inch can be closed. But suppose you have a gap of $3 \frac{3}{4}$ inches. You cannot assemble a section of that length, but by simply removing a section of straight track and adding that dimension to the $3 \frac{3}{4}$ inch gap, you'll have a length that can be found in the table.

In the example above, if you removed a 10-inch straight section, you would have a gap of $13 \frac{3}{4}$ inches and any gap over $5 \frac{5}{8}$ inches in $\frac{1}{8}$ -inch increments can be found in the tables. In the same example, you could have removed a 5-inch section. That would leave a gap of $8 \frac{3}{4}$ which can be found in the table.

Special thanks to Glenn Patsch whose proficiency in Excel assured accuracy and completeness in compiling these tables.

Bill Schmeelk

Lionel Fastrack Table of Lengths

Using the least number of sections for each length

Length	1 3/8	1 3/4	3	4 1/2	5	10	Pieces
1 3/8	1						1
1 3/4		1					1
2 3/4	2						2
3			1				1
3 1/8	1	1					2
3 1/2		2					2
4 1/8	3						3
4 3/8	1		1				2
4 1/2				1			1
4 3/4		1	1				2
4 7/8	1	2					3
5					1		1
5 1/4		3					3
5 1/2	4						4
5 3/4	2		1				3
5 7/8	1			1			2
6			2				2
6 1/8	1	1	1				3
6 1/4		1		1			2
6 3/8	1				1		2
6 1/2		2	1				3
6 5/8	1	3					4
6 3/4		1			1		2
6 7/8	5						5
7		4					4
7 1/8	3		1				4
7 1/4	2			1			3
7 3/8	1		2				3
7 1/2			1	1			2
7 5/8	1	1		1			3
7 3/4	2				1		3
7 7/8	1	2	1				4
8		2		1			3
8 1/8	1	1			1		3
8 1/4		3	1				4
8 3/8	1	4					5
8 1/2		2			1		3

Length	1 3/8	1 3/4	3	4 1/2	5	10	Pieces
8 5/8	3			1			4
8 3/4	2		2				4
8 7/8	1	2	1				4
9				2			2
9 1/8	3				1		4
9 1/4		1	1	1			3
9 3/8	1	2		1			4
9 1/2				1	1		2
9 5/8	1	3	1				5
9 3/4		1	1		1		3
9 7/8	1	2			1		4
10						1	1
10 1/8	3		2				5
10 1/4		3			1		4
10 3/8	1			2			3
10 1/2			2		1		3
10 5/8	1	1	1	1			4
10 3/4		1		2			3
10 7/8	1			1	1		3
11			2		1		3
11 1/8	1	3		1			5
11 1/4		1		1	1		3
11 3/8	1					1	2
11 1/2		4		1			5
11 5/8	1	3			1		5
11 3/4		1				1	2
11 7/8	1		2	1			4
12			1	2			3
12 1/8	1	1		2			4
12 1/4	2			1	1		4
12 3/8	1		2		1		4
12 1/2		2		2			4
12 5/8	1	1		1	1		4
12 3/4	2					1	3
12 7/8	1	4		1			6
13		2		1	1		4
13 1/8	1	1				1	3
13 1/4	2		2	1			5
13 3/8	1		1	2			4
13 1/2		2				1	3

Length	1 3/8	1 3/4	3	4 1/2	5	10	Pieces
13 5/8	3			1	1		5
13 3/4		1	1	2			4
13 7/8	1	2		2			5
14				2	1		3
14 1/8	3					1	4
14 1/4		3		2			5
14 3/8	1	2		1	1		5
14 1/2				1		1	2
14 5/8	1	5		1			7
14 3/4		1	1			1	3
14 7/8	1			3			4
14 7/8	1	2				1	4
15					1	1	2
15 1/8	1	1	1	2			5
15 1/4		1		3			4
15 1/4		3				1	4
15 3/8	1			2	1		4
15 1/2			2	1	1		4
15 5/8	1	3		2			6
15 3/4		1		2	1		4
15 7/8	1			1		1	3
16		2	1	1	1		5
16 1/8	1	1	1			1	4
16 1/4		1		1		1	3
16 3/8	1				1	1	3
16 1/2		2	1			1	4
16 5/8	1	1		3			5
16 5/8	1	3				1	5
16 3/4		1			1	1	3
16 7/8	1		2	1	1		5
17		4				1	5
17 1/8	1	1		2	1		5
17 1/4	2			1		1	4
17 3/8	1		2			1	4
17 1/2			1	1		1	3
17 5/8	1	1	1	1		1	4
17 3/4	2				1	1	4
17 7/8	1	2	1			1	5
18			1		1	1	3
18 1/8	1	1			1	1	4

Length	1 3/8	1 3/4	3	4 1/2	5	10	Pieces
18 1/4		1	1	3			5
18 3/8	1		1	2	1		5
18 3/8	1	4				1	6
18 1/2				3	1		4
18 1/2		2			1	1	4
18 5/8	3			1		1	5
18 3/4		1	1	2	1		5
18 3/4		5				1	6
18 7/8	1		1	1		1	4
19				2		1	3
19 1/8	3				1	1	5
19 1/4		1	1	1		1	4
19 3/8	1			4			5
19 3/8	1	2		1		1	5
19 1/2				1	1	1	3
19 5/8	1	3	1			1	6
19 3/4		1		4			5
19 3/4		3		1		1	5
19 7/8	1			3	1		5
19 7/8	1	2			1	1	5
20						2	2