DIAMOND®

PITCH TO FEET CONVERSIONS

PITCHES-TO-FEET

CHAIN SIZE	PITCH (INCH)	PITCHES PER FOOT	PITCH (DECIMAL)
47	151/1024	81.3559	0.14746
25	1/4	48	0.250
35	3/8	32	0.375
40 - 41	1/2	24	0.500
50	5/8	19.2	0.625
60	3/4	16	0.750
80	1	12	1.000
100	1 1/4	9.6	1.250
120	1 1/2	8	1.500
140	1 3/4	6.857	1.750
160	2	6	2.000
180	2 1/4	5.333	2.250
200	2 1/2	4.8	2.500
240	3	4	3.000

To convert pitches to feet follow this simple formula:
(Pitches divided by numbers of pitches per foot = feet)

Example: 84 pitches of #160 chain =
84 divided by 6 (pitch per foot) = 14 ft

How do I convert pitches to feet?

To answer this question, let's do a quick refresher on the ANSI part numbering system. The first digit(s) in each standard roller chain part number tells us the pitch of a chain in eighths of an inch. That means that an ANSI 120 chain, for example, has a pitch of 12/8s of an inch or 1.5 inches.

Let's say then that we wanted to know how many feet of chain are in an application of ANSI 120 that is 180 pitches in length?

Again, we know that ANSI 120 chain has a pitch of 1.5". For an application with 180 pitch, we simply multiply 1.5 inches by 180 to get 270 inches or convert to feet 270/12 = 22.5.

But what if we want to convert from feet into pitch? Let's say we have an application that uses 10 feet of ANSI 40 chain. We know that from the ANSI numbering system, ANSI 40 chain has a pitch of 4/8s of an inch or .5 inches. For an application of ten feet, we do a quick conversion from feet into inches (10 x 12 = 120) and then divide 120/.5 to get 240 pitches.

Knowing how to convert between pitch and feet can be useful, especially when double checking an order, but don't worry if you need additional help. Diamond Chain's customer service and application engineering teams are available to assist you. You can contact both groups by calling us at 1-800-872-4246.