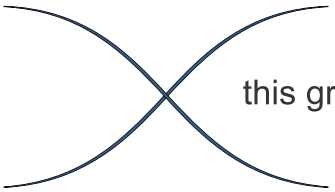
Approximate size calculation of a pattern

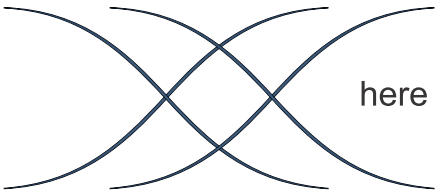
Example:

This pattern has 95 cross points

What is one cross point ?



this graph represents 1 cross point



here we have 2 cross point

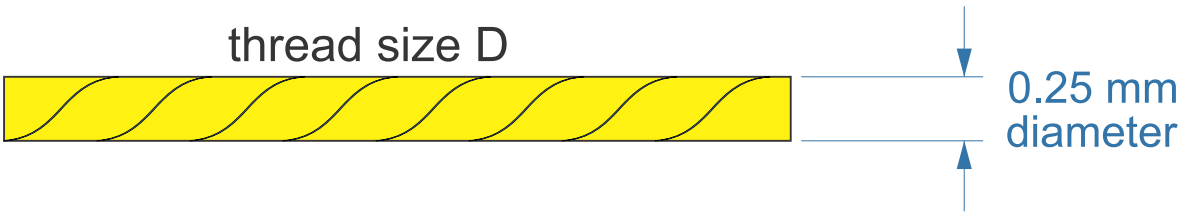
Below are the necessary information you need to know to calculate the length of a pattern

Size A = 0.152 mm diameter
Multiplying factor Size A = 0.215

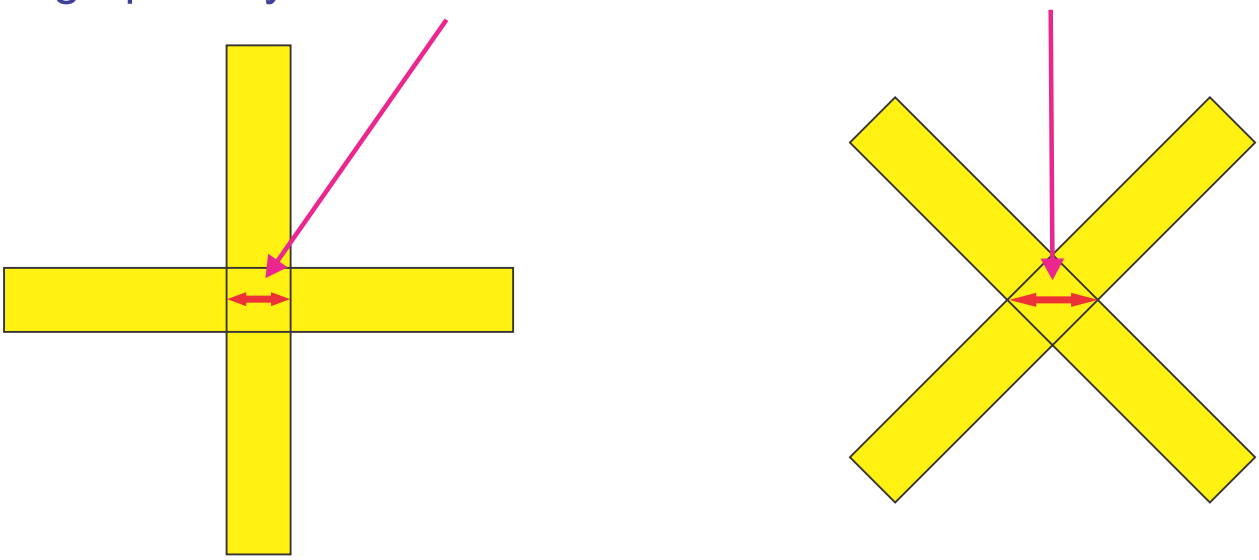
Size D = 0.25 mm diameter
Multiplying factor Size D = 0.35

Let's understand
what this number is (multiplication factor).

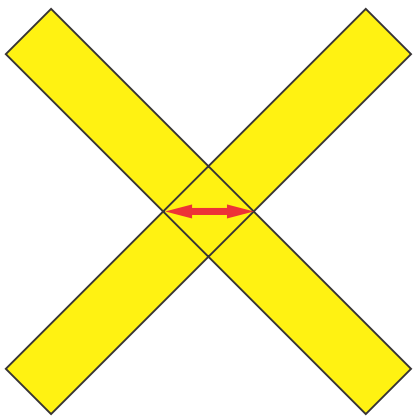
We will take as example the thread size D



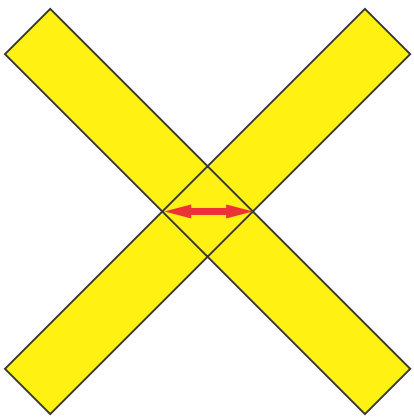
Note graphically that this distance is not the same as this distance



This distance in thread size A is: 0.215 mm



This distance in thread size D is: 0.35 mm



On the next page we will see how to do the calculation

size D

This pattern has 95 cross points

Number of cross points 95
Thread size multiplication factor size D = 0.35 mm

95 threads x 0.35 mm = 33.25 mm

The length of this pattern in size D is 33.25 mm

33.25 mm

* For the pattern in size A,
the same formula applies by changing
only the multiplication factor to 0.215 mm

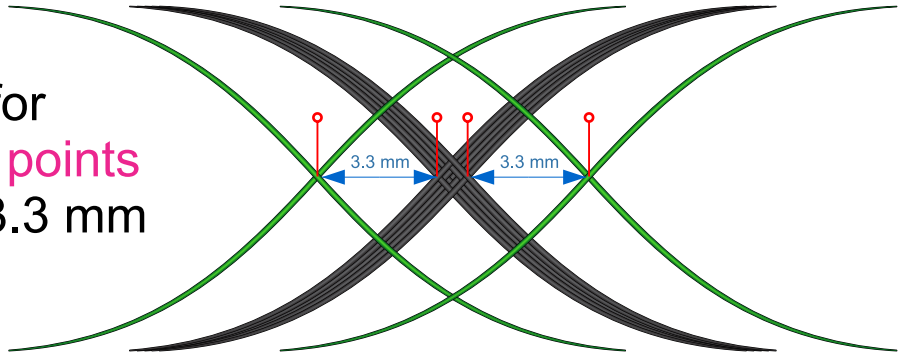
Other situation:

Let's take this example.

size A

15 cross points x 0.215 = 3.3 mm

* spacer for
15 cross points
size A= 3.3 mm



size A

5 cross points x 0.215 = 1 mm

* spacer for
5 cross points
size A= 1 mm