

**【Question】**


I have a process drawing with the designation M10X1.5 2N.  
How is it different from a M10X1.5 screw thread?

**【Answer】**

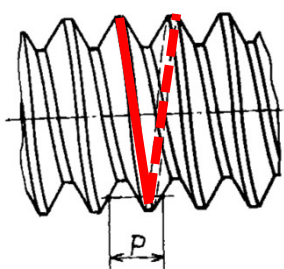
The 2N of a M10X1.5 2N designates the thread as a two start or is a double thread. Although it will be a bit more difficult to produce, a screw with two starting points is called a two start or double thread. A typical M10X1.5 screw thread advances 1.5 mm in one revolution, but the two start or double thread advances twice the 3 mm of a normal screw thread. For details, please see the explanation below.


**【Description】**

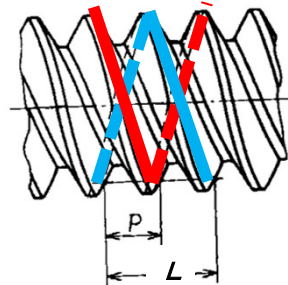

I will explain the difference between a regular single start thread and two start or double thread. A simple drawing is shown in the figure below. A screw thread whose lead or the distance traveled when the screw rotates once, is equal to the pitch (P) and is called a single start thread. A screw thread whose lead (L) is equal to twice the pitch is called a two start or double thread.

\* A thread whose lead is equal to an integral multiple of two times the pitch or more is called "multiple start thread".

Single start thread



Double start thread



P = pitch and is the distance between adjacent threads.  
L = Lead" is the distance traveled when the screw thread turns once.



I understood the meaning of "M10X1.5 2N", but how can I create this thread?

1. Because double-ended screw thread processing is not common, a tap is not a stock standard item.  
When processing with a tap, the tap will have to be produced as a special item (order made product).
2. By all means, please contact us for the service of special products tap.


**<Bite-sized memo>**

The double threaded screws and multi start threaded screws are used for various feed screws, screws for focusing camera lenses and screws for side brake parts of automobiles. It is also used for the purpose of moving a long distance with few revolutions or opening and closing with a small number of revolutions.