

【Question】

Can you tell me, what does the thread specification "S0.8X0.2" mean ?

【Answer】

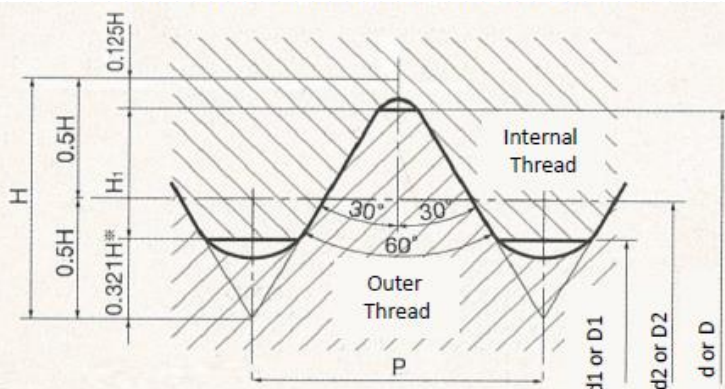
It's a thread specification for Miniature Screw Threads used for wrist watches, optical equipment's, electric instruments, etc. Miniature Screw Threads use the thread symbol prefix "S" for identification instead of using a "M" for metric threads. (S0.8X0.2=0.8mm thread size with 0.2mm pitch)

**【Guide】**

Yamawa offers a variety of standard products for Miniature Screw Threads including Cutting Taps, Roll Taps, and Rolling Dies.

【Size range of our standard products】

Type Size	MS+RS Roll Taps for Miniature Screw Thread	HP _s RZ TiCN Coated Taps for Miniature Screw Thread	MS+TR Cutting Taps for Miniature Screw Thread	MS-RS-D Rolling Dies for Miniature Screw Thread
S0.5X0.125				●
S0.6X0.15	●	●	●	●
S0.7X0.175	●	●	●	●
S0.8X0.2	●	●	●	●
S0.9X0.225	●	●	●	●

Basic Profile of Miniature Screw ThreadsMS+RS · HP_sRZ

MS+TR



MS-RS-D

The specification range for Miniature Screw Threads is from S0.3X0.08 to S1.4X0.3. The minor diameter of Miniature Screw Threads are defined in larger sizes than that of Metric Threads.

As an example.

Minor diameter of a S1X0.25=0.760mm Minor diameter of a M1X0.25=0.729mm

The minor diameter differs in the same size thread when comparing a Miniature Screw Thread and a Metric Thread. The minor diameter of a Miniature Screw Thread is created larger to attain the highest rigidity to offset the weakness of the threads smaller size.

