

[Consultation]



We received a request for a quotation for processing a thread described on the customers drawing as a CTC 25 -16. What kind of screw is this and what is the standard?

[Answer]

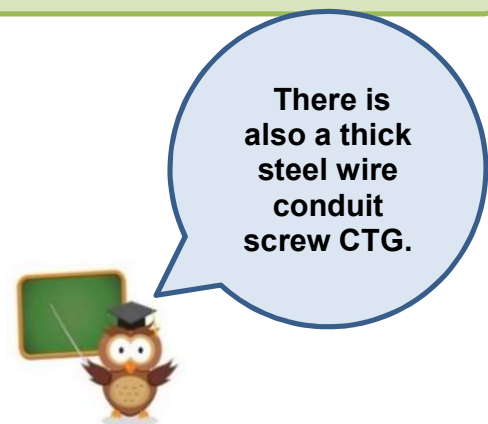
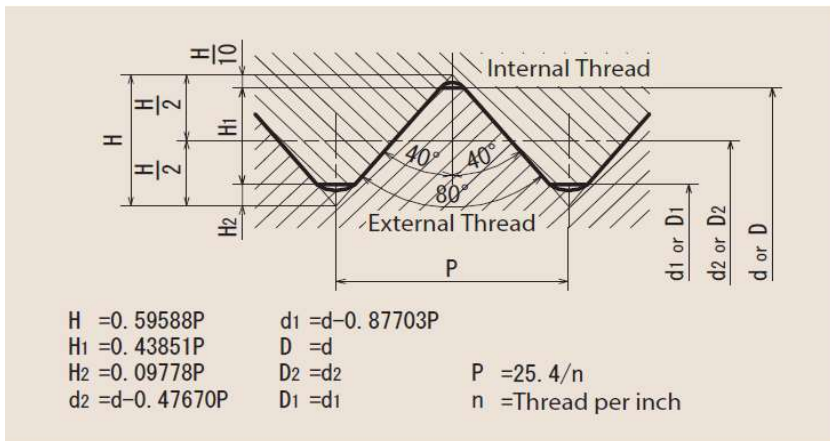
A CTC screw thread is used on thin steel conduit. The standard for a CTC thread is one of the conduit type threads covered by the JIS C 8305 standards for steel conduit pipe threads. Please refer to the explanation below for the dimensional specification with the thread angle of 80°. YAMAWA has a HT CTC 25-16 taps for thin steel conduit threads. In addition, CTC19 to CTC39 are also available as standard products.



[Description]

Thin steel conduit or thin tube conduit are thin metal conduits for indoor use. This thread is not recommended for outdoor use because it will not resist changes in weather. It is mainly used for indoor cable and wire protection, such as attic and in wall installations. It is also called C tube.

Steel Conduit Threads (CTC)



Standard CTC thread V shape for thin steel conduit thread

Thread size	Size of Pipe	Number of Threads (per 25.4mm)	Pitch P (Ref.)	Height Sharp H1	External Thread		
					Major Dia d	Pitch Dia d2	Minor Dia d1
					Internal Thread		
					Major Dia D	Pitch Dia D2	Minor Dia D1
CTC19	19	16	1.5875	0.696	19.100	18.343	17.708
CTC25	25	16	1.5875	0.696	25.400	24.643	24.008
CTC31	31	16	1.5875	0.696	31.800	31.043	30.408
CTC39	39	16	1.5875	0.696	38.100	37.343	36.708
CTC51	51	16	1.5875	0.696	50.800	50.043	49.408
CTC63	63	16	1.5875	0.696	63.500	62.743	62.108
CTC75	75	16	1.5875	0.696	76.200	75.443	74.808