

Table 61

MACHINE SCREW AND HAND TAPS

For Helical Coil Wire Screw Thread Insert (STI)
Ground Thread—Thread Limits

*These taps are oversize to the extent that the internal thread which they produce will accommodate a helical coil wire screw thread insert, which at final assembly will accept a screw thread of the nominal size and pitch.

* Nominal Size (STI)	THREADS PER INCH		MAJOR DIAMETER		PITCH DIAMETER LIMITS					
	NC UNC	NF UNF	Mini- mum	Maxi- mum	H1 Limit		H2 Limit		H3 Limit	
					Mini- mum	Maxi- mum	Mini- mum	Maxi- mum	Mini- mum	Maxi- mum
4	40		.1463	.1473	.1283	.1288	.1288	.1293		
6	32		.1807	.1817			.1588	.1593	.1593	.1598
8	32		.2067	.2077			.1848	.1853	.1853	.1858
10	24		.2465	.2475			.2175	.2180		
10		32	.2327	.2337			.2108	.2113	.2113	.2118
¼	20		.3177	.3187			.2830	.2835	.2835	.2840
¼		28	.2985	.2995			.2737	.2742	.2742	.2747
⅜	18		.3874	.3884					.3496	.3501
⅜		24	.3690	.3700			.3400	.3405		
½	16		.4592	.4602					.4166	.4171
½		24	.4315	.4325			.4025	.4030		
⅝	14		.5333	.5343					.4849	.4854
⅝		20	.5052	.5062					.4710	.4715
¾	13		.6032	.6042					.5509	.5514
¾		20	.5677	.5687					.5335	.5340

STI basic thread dimensions are determined by adding twice the single thread height (2 x .649519 P.) to the basic dimensions of the nominal screw size.