Bag full of wisdom when you are in trouble



Think threads with

[Advice]

The chip thickness of a taper pipe tap Rc(PT) is much thinner than a chip produced by a tap for metric threads and tap for straight pipe thread Rp(PS).

When tapping soft materials like SS400 (A36), and the tapping speed is too high, the cutting edge of the tap Rc (PT) tends to slip. This causes Torn Surface Finish and Thread Chatter problems in internal tapered threads.

If you adjust the tapping speed to 2-3m/min (7-10SFM), the cutting edge works smoothly, and there will be a great improvement in reducing Torn Surface Finish and Thread Chatter problems.

Recommending tapping speed for Re(17) tap and Ri W or the main spinule								
Size	Basic major dia. (mm)	2m/min	3m/min] [Size	Basic major dia.	2m/min	3m/min
		Revolution of tap (min-1)			012e	(mm)	Revolution of tap (min-1)	
Rc 1/16-28	7.723	82	124		Rc 7/8-14	30.201	21	32
Rc 1/8-28	9.728	65	98		Rc 1'-11	33.249	19	29
Rc 1/4-19	13.157	48	73		Rc 1'1/8-11	37.897	17	25
Rc 3/8-19	16.662	38	57		Rc 1'1/4-11	41.910	15	23
Rc 1/2-14	20.955	30	46		Rc 1'1/2-11	47.803	13	20
Rc 5/8-14	22.911	28	42		Rc 1'3/4-11	53.746	12	18
Rc 3/4-14	26.441	24	36		Rc 2'-11	59.614	11	16

ommending tanning speed for Rc(PT) tan and RPM of the main spindle