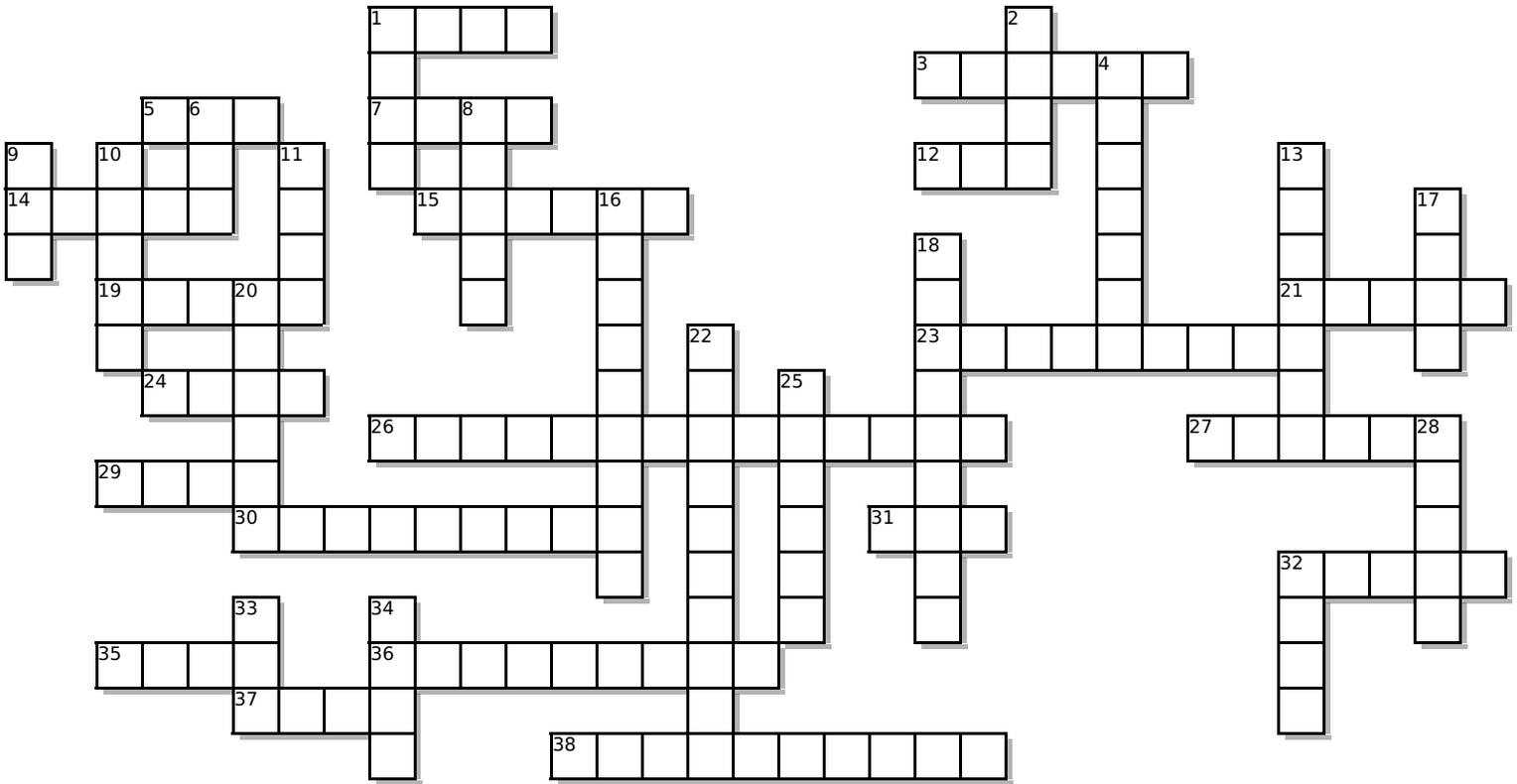


Tap Nomenclature and Related Terms

(Answers can be found in the last three blogs as well as our online catalog)



ACROSS

- 1 Type of tap with straight flutes that store most of the chips
- 3 "_____tight" the additional threads beyond the hand tight threads of an assembled taper pipe fittings
- 5 Type of external thread with a rounded root
- 7 Taper thread that does not require a sealant
- 12 Acronym for a screw thread bushing coiled from diamond shaped cross-section wire commonly referred to as "helical coil insert"
- 14 Spiral-_____flute pushes chips ahead of the tap
- 15 Type of flute that pulls the chips out of a tapped hole.
- 19 That surface that joins the flanks of the thread together
- 21 The back portion of a tap body by which it is held and driven
- 23 Permissible variation of size or the difference between the limits of size
- 24 A chamfer length of 3 to 5 pitches
- 26 North American Tool's web address
- 27 The removal of metal behind the cutting edge to provide clearance between the part being threaded and the threaded land
- 29 The ratio of plating thickness that the PD size changes on a 60 degree thread
- 30 type of thread relief starting at the cutting edge and continuing to the heel
- 31 The acronym for the difference between maximum and minimum indicator readings during a checking cycle
- 32 A hole which does not pass through the work piece
- 35 The imaginary longitudinal centerline of the tool
- 36 Con-_____ thread relief that has a concentric margin then continues to drop to the heel
- 37 A thread with 29 degree included angle
- 38 The radial distance between the sharp crest and major diameter

DOWN

- 1 "_____tight", thread overlap length when first assembling pipe fittings together and it comes to a stop
- 2 _____ - Bottoming has a chamfer length of 2 to 3 pitches
- 4 The taper threads at the front of a tap
- 6 Taper thread that requires a sealant like teflon tape
- 8 A chamfer length of 7 to 10 pitches
- 9 Acronym for the number of threads over a one inch length
- 10 The distance from any point on a screw thread to a corresponding point on the next thread
- 11 The surface of the thread that joins the flanks of adjacent threads
- 13 A taper thread designed for use to withstand high fluid or gas pressure without the use of a sealing compound
- 16 A prescribed difference between the maximum material limits of mating parts
- 17 The threaded sections between the flutes of a tap
- 18 A chamfer length of 1 to 2 pitches
- 20 Driving flats at the backend of a tap shank
- 22 The distance the small end of a taper thread projects through a taper thread ring gage
- 25 The radiused grooves formed in a tap to create cutting edges and to provide chip spaces and cutting fluid passage
- 28 is either surface connecting the crest with the root
- 32 _____ Taper is the gradual decrease in the thread diameter on a tap from the chamfered end towards the shank
- 33 What number do you call for your threading needs 1-800-_____-TAPS
- 34 The edge of the land opposite the cutting edge

WORD BANK: ACME, ALLOWANCE, AXIS, BACK, BLIND, BOTTOMING, CHAMFER, CREST, DRYSEAL, ECCENTRIC, ECCENTRIC, FLANK, FLUTES, FOUR, HAND, HAND, HEEL, LAND, NPT, NPTF, PITCH, PLUG, POINT, PROJECTION, RELIEF, ROOT, SEMI, SHANK, SPIRAL, SQUARE, STI, TAPER, TIV, TOLERANCE, TPI, TRUNCATION, UNJ, USA, WRENCH, WWW.NATOOL.COM