



# Quantum PM4 High Performance Taps

ANSI Shanks  
DIN Lengths

Superior Quality at  
Competitive Prices

QUALITY CUTTING TOOLS SINCE 1918

[www.taylorlortool.com](http://www.taylorlortool.com)





# TAYLOR TOOL

## Quantum PM4 high performance taps

**B**elow are the Quantum PM4 Taps we stock as standards. Quantum taps are manufactured with ANSI shanks & DIN 371/376 dimensions and competitively priced. We also stock PM4 Powdered Metal blanks from 1/4" to 1" Table 302A dimensions; available for 24 – 48 hour deliveries. Call us for all your threading needs.

### Class 2B

Size	Spiral Point #	Spiral Flute #	Roll Form TiN #
#4-40 NC .....	44001 .....	44002 .....	44003
#6-32 NC .....	44021 .....	44022 .....	44023
#8-32 NC .....	44041 .....	44042 .....	44043
#10-24 NC .....	44051 .....	44052 .....	44053
#10-32 NF .....	44061 .....	44062 .....	44063
1/4"-20 NC .....	44071 .....	44072 .....	44073
1/4"-28 NF .....	44081 .....	44082 .....	44083
5/16"-18 NC .....	44091 .....	44092 .....	44093
5/16"-24 NF .....	44101 .....	44102 .....	44103
3/8"-16 NC .....	44111 .....	44112 .....	44113
3/8"-24 NF .....	44121 .....	44122 .....	44123
7/16"-14 NC .....	44131 .....	44132 .....	44133
7/16"-20 NF .....	44141 .....	44142 .....	44143
1/2"-13 NC .....	44151 .....	44152 .....	44153
1/2"-20 NF .....	44161 .....	44162 .....	44163
9/16"-12 NC .....	44171 .....	44172 .....	--
9/16"-18 NF .....	44181 .....	44182 .....	--
5/8"-11 NC .....	44191 .....	44192 .....	44193
5/8"-18 NF .....	44201 .....	44202 .....	44203
3/4"-10 NC .....	44211 .....	44212 .....	44213
3/4"-16 NF .....	44221 .....	44222 .....	44223
7/8"-9 NC .....	44231 .....	44232 .....	--
7/8"-14 NF .....	44241 .....	44242 .....	--
1"-8 NC .....	44251 .....	44252 .....	--
1"-12 NF .....	44261 .....	44261 .....	--

### Class 6H

Size	Spiral Point #	Spiral Flute #	Roll Form TiN #
M4 x 0.7 .....	44301 .....	44302 .....	44303
M5 x 0.8 .....	44311 .....	44312 .....	44313
M6 x 1.0 .....	44321 .....	44322 .....	44323
M8 x 1.25 .....	44331 .....	44332 .....	44333
M10 x 1.5 .....	44341 .....	44342 .....	44343
M12 x 1.5 .....	44351 .....	44352 .....	44353
M12 x 1.75 .....	44361 .....	44362 .....	44363
M14 x 1.5 .....	44371 .....	44372 .....	44373
M14 x 2.0 .....	44381 .....	44382 .....	44383
M16 x 2.0 .....	44391 .....	44392 .....	44393
M18 x 1.5 .....	44401 .....	44402 .....	44403
M20 x 2.5 .....	44411 .....	44412 .....	44413
M24 x 3.0 .....	44431 .....	44432 .....	44433





## Quantum-SPX

Quantum-SPX Spiral Point Taps are designed for efficient threading of through holes. The shearing action of the spiral point provides a free cutting action and ejects the chips ahead of the tap eliminating chip problems and chip damage to the threads.



## Quantum-SFX

Quantum-SFX Spiral Flute Taps are designed to lift the chips from the hole in blind hole applications eliminating the chips damaging threads or causing the taps to break.



## Quantum-RFX

Quantum-RFX Roll Form Taps eliminate chip removal and allow for higher machining rates through the process of cold forming rather than thread cutting. Quantum RFX Roll Form Taps can be used in a wide range of Ductile Materials. The lube grooves act as a conduit for lubricating during tapping operations, especially beneficial in blind hole threading. Quantum -RFX Roll Form Taps are TiN coated adding increased lubricity and thread quality.



## Special Taps

Blueprint special taps  
Special Acme/Trapezoidal  
Thread forming  
NPS or NPT  
Imperial  
Metric/ISO  
Whitworth  
Special Radius  
Buttress  
Coolant Fed  
Combined drill and taps

## Special Reamers

Blueprint special reamers  
Special tolerance  
End cut  
Taper  
Flute configuration  
Imperial  
Metric/ISO  
Unique shank  
Large diameter  
Coolant Fed

## Special Dies

Blueprint special dies  
Special Acme/Trapezoidal  
NPS or NPT  
Imperial  
Metric/ISO  
Whitworth  
Special Radius  
Round / Hexagon  
Large diameter

## Introducing "Quantum" PM4 High Performance Taps

**Q**uantum Taps are manufactured from PM4 Powdered Metal and offer superior wear resistance and exceptional toughness for greater performance than regular High Speed Steel. Quantum Tap powder metallurgy and their unique geometry ensure consistent performance, superior thread quality and excellent tool life for lower costs; they are successful in materials up to 38RC hardness.

Quantum Taps have DIN Lengths with ANSI shanks and square, which gives a longer tap with CNC reduced neck design. This style enhances chip evacuation and cutting fluid reaching the threads for reduced friction, galling and heat buildup. The design also reduces contact between the tap and the work piece. Quantum Taps withstand high heat and the stress associated with high speed CNC production.



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[www.taylortool.com](http://www.taylortool.com)

4 Goebel Avenue, Cambridge, ON N3C 1Z1

TEL: 519.658.9378 | FAX: 519.658.6799

[www.taylortool.com](http://www.taylortool.com)



1.800.265.2145



1.855.221.8277