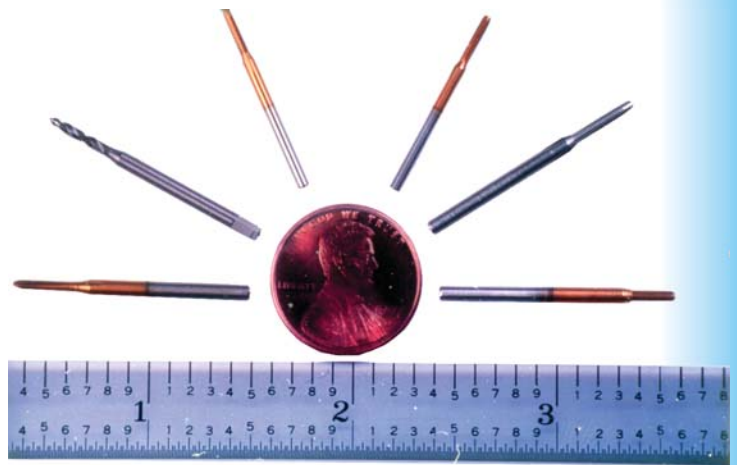


# MINITAPS

## Miniature Tap Catalog



*Also Offering Fasteners, Dies and Gauges*

**Plugging Away At Providing The Best Value  
For Miniature Taps**

**Since 1985**

**Metric:**

**M.3 to M1.7**

**0.30 to 1.40UNM**

**American:**

**0000-160 to 0-80**



**Legacy Products LLC**

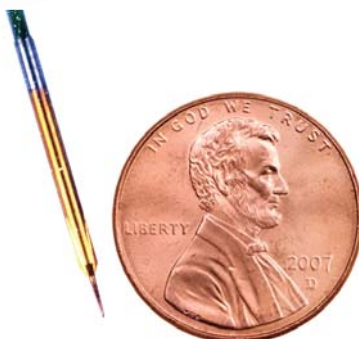
*formerly Tabco Optical*

**PHONE: 206-329-0794  
800-394-9285 (us)**

**FAX: 206-641-3203  
800-394-3872 (us)**

**[www.minitaps.com](http://www.minitaps.com)**

Rev 5/2014



# *MiniTaps Makes Ordering Taps Simple:*

## *Select The Best Tap For Your Application:*

All our taps are designed for production use on automatic screw machines, tapping machines, CNC lathes, and CNC mills.

### *Plug*



Our strongest tap, this three fluted plug excels in tapping both blind and through holes. Ideally suited for tapping into steel stainless, and harder materials.

### *Bottoming*



With a short lead, the bottoming tap begins tapping quickly, making it the best choice for a short tapping length to the bottom of blind holes. Versatile for use with both soft and hard materials.

### *Roll Form Plug*



Creating the thread by pushing and forming the material rather than cutting, the roll form plug produces no burrs. Ideal for softer materials like aluminum, copper, brass, and 303 & 316 series stainless steel.

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## *Choose the Coating:*

### *Bare or Titanium Nitride Coating?*

All Tabco taps are made of special high speed steel for strength and durability. Additionally, Tabco offers titanium nitride (TiN) coating. This very thin and smooth coating prolongs tool life by assisting lubrication and reducing tool wear. Helpful for most materials, especially, stainless steel, harder materials, and abrasives.

### **Don't Know Which Tap to Use?**

Tabco Suggests purchasing the Plug tap with coating. This tap works well for many uses and will give the best performance.



# Be Amazed by MiniTaps's Value

**Plug** *New M.3/.30UNM 02190* *02191* *\$53.00* *\$57.00*

THREAD SIZE		PART No.		PRICE PER TAP 1-9 TAPS	
METRIC	STANDARD	COATED	STANDARD	COATED	
M.5/50UNM	02200	02201	\$40.50	\$43.00	
M.6/60UNM	02210	02211	\$33.50	\$36.00	
M.7/70UNM	02290*	02291*	\$33.50	\$36.00	
M.8/80UNM	02220	02221	\$33.50	\$36.00	
M.9/90UNM	02230	02231	\$33.50	\$36.00	
M1.0/100UNM	02240	02241	\$26.50	\$29.50	
M1.1/110UNM	02310*	02311*	\$26.50	\$29.50	
M1.2/120UNM	02250	02251	\$26.50	\$29.50	
M1.4/140UNM	02260	02261	\$26.50	\$29.50	
M1.6/160UNM	02270	02271	\$26.50	\$29.50	
M1.7/170UNM	02300	02301	\$26.50	\$29.50	
AMERICAN	STANDARD	COATED	STANDARD	COATED	
0000-160	01100	01101	\$49.50	\$52.00	
000-120	01110	01111	\$29.00	\$32.00	
000-120 LONG**	-	01118**	-	\$37.00	
00-96	01120	01121	\$29.00	\$32.00	
00-90	01130	01131	\$29.00	\$32.00	
0-80	01140*	01141	\$22.00	\$24.50	

\*Special Order Only \*\*Long Cutting Flute 8mm<sup>+</sup>

## Bottoming

THREAD SIZE		PART No.		PRICE PER TAP 1-9 TAPS	
METRIC	STANDARD	COATED	STANDARD	COATED	
M.5/50UNM	02204	02205	\$40.50	\$43.00	
M.6/60UNM	02214	02215	\$33.50	\$36.00	
M.8/80UNM	02224	02225	\$33.50	\$36.00	
M.9/90UNM	02234	02235	\$33.50	\$36.00	
M1.0/100UNM	02244	02245	\$26.50	\$29.00	
M1.2/120UNM	02254	02255	\$26.50	\$29.00	
M1.4/140UNM	02264	02265	\$26.50	\$29.00	
M1.6/160UNM	02274	02275	\$26.50	\$29.00	
AMERICAN	STANDARD	COATED	STANDARD	COATED	
0000-160	01100	01101	\$49.50	\$52.00	
000-120	01114	01115	\$29.50	\$32.00	
00-96	01124	01125	\$29.50	\$32.00	
00-90	01134	01135	\$29.50	\$32.00	
0-80	01144*	01145	\$22.00	\$24.50	

All dimensions are subject to change and may vary slightly by individual tap.

# Plugging Away at Providing the Best Value for Miniature Taps

## Roll Form Plug

THREAD SIZE METRIC	PART No.		PRICE PER TAP 1-9 TAPS	
	STANDARD	TiN	STANDARD	COATED
M.5/0.50UNM	02206	02207	\$45.50	\$48.00
M.6/0.60UNM	02216	02217	\$39.50	\$42.00
M.8/0.80UNM	02226	02227	\$39.50	\$42.00
M.9/0.90UNM	02236	02237	\$39.50	\$42.00
M1.0/1.00UNM	02246	02247	\$29.50	\$32.50
M1.1/1.10UNM	02318	02319	\$29.50	\$32.50
M1.2/1.20UNM	02256	02257	\$29.50	\$32.50
M1.4/1.40UNM	02266	02267	\$29.50	\$32.50
M1.6	02276	02277	\$29.50	\$32.50
M1.7	02306	02307	\$29.50	\$32.50

AMERICAN	STANDARD	COATED	STANDARD	COATED
000-120	01116	01117	\$34.00	\$37.00
00-96	01126	01127	\$34.00	\$37.00
00-90	01136	01137	\$34.00	\$37.00
0-80	01146	01147	\$34.00	\$37.00
0-80 BOTTOMING	-	01148	-	\$37.00

## Left Hand Plug; Special Order Only

Note: Left Hand Taps  
are all coated

THREAD SIZE METRIC	PART No. TiN Coated	PART No. TiN Coated
M.6/60UNM	02361	\$42.00
M.9/90UNM	02321	\$36.50
M1.0/100UNM	02331	\$36.50
M 1.1 / 1.10UNM	02371	\$36.50
M1.2/120UNM	02341	\$36.50
M1.4/140UNM	02351	\$36.50

Please note that left handed taps are stocked coated only  
and uncoated may take additional ordering time

All dimensions are subject to change and may vary slightly by individual tap.

# Tapping Information for Miniature Taps

Drill size is selected on number of tap diameters of the length to be tapped. For example: Tap M1.0 (0.0393") x 0.050" deep = 1.27 tap diameters. The recommended drill selected should cut a hole of 0.0309" to 0.0327" in diamtere. Note: To convert inch drill size to milimeters, multiply size times 25.4.

## Miniature Taps

TAP DIMENSIONS					DRILL HOLE SIZE LIMITS FOR DIFFERENT LENGTHS OF THREAD ENGAGEMENT						ROLL FORM PLUG
METRIC THREAD SIZE	PITCH (MM)	SHANK DIAMETER	THREAD LENGTH	OVERALL LENGTH	0 - 2/3 DIAMETERS		2/3 - 1 1/2 DIAMETERS		1 1/2+ DIAMETERS		SUGGESTED HOLE SIZE
					MIN	MAX	MIN	MAX	MIN	MAX	
M.5/0.50UNM	.125MM	1.0MM	.100"	0.87"	.0150"	.0158"	.0156"	.0166"	.0161"	.0171"	.017
M.6/0.60UNM	.15MM	1.0MM	.100"	0.87"	.0181"	.0190"	.0181"	.0198"	.0193"	.0204"	.021
M.8/0.80UNM	.20MM	1.0MM	.120"	1.00"	.0241"	.0252"	.0248"	.0263"	.0256"	.0270"	.028
M.9/0.90UNM	.225MM	1.5MM	.150"	1.00"	.0270"	.0283"	.0279"	.0295"	.0287"	.0304"	.031
M.1.0/1.00UNM	.25MM	1.5MM	.170"	1.00"	.0300"	.0314"	.0309"	.0327"	.0319"	.0337"	.035
M1.1/1.10UNM	.25MM	1.5MM	.170"	1.00"	.0340"	.0354"	.0349"	.0367"	.0358"	.0376"	.039
M.1.2/1.20UNM	.25MM	1.5MM	.170"	1.00"	.0379"	.0393"	.0388"	.0406"	.0397"	.0415"	.043
M.1.4/1.40UNM	.30MM	2.0MM	.200"	1.30"	.0439"	.0455"	.0450"	.0471"	.0460"	.0481"	.050
M1.6	.35MM	2.0MM	.240"	1.30"	.0475"	.0490"	.0482"	.0502"	.0490"	.0510"	.057
M.3 / 0.30UNM	.08mm	1.0mm	.078"	0.87"	.0089"	.0095"	.0093"	.0010"	.0096"	.0012"	.011"

AMERICAN THREAD SIZE	MAJOR DIAMETER	SHANK DIAMETER	THREAD LENGTH	OVERALL LENGTH	0 - 2/3 DIAMETERS		2/3 - 1 1/2 DIAMETERS		1 1/2+ DIAMETERS		SUGGESTED HOLE SIZE
					MIN	MAX	MIN	MAX	MIN	MAX	
0000-160	.021"	.039"	.100"	0.87"	.0151"	.0160"	.0157"	.0170"	.0170"	.0176"	.017
000-120	.034"	.060"	.140"	1.00"	.0261"	.0273"	.0270"	.0280"	.0280"	.0293"	.032
00-96	.047"	.060"	.170"	1.00"	.0371"	.0382"	.0381"	.0400"	.0400"	.0409"	.041
00-90	.047"	.060"	.170"	1.00"	.0358"	.0380"	.0374"	.0395"	.0395"	.0405"	.041
0-80	.060"	.078"	.200"	1.180"	.046"	.048"	.047"	.049"	.049"	.050"	.055



All dimensions are subject to change and may vary slightly by individual tap.

# Threading Dies

*We offer threading dies;  
(Limited stock on hand)*

*American thread:  
00-90, 00-96, 00-80, 1-72, 2-56, 2-80  
Metric:  
M1.0*



***Call or Visit Us Online For More Information***

## Gauges

*(Limited stock on hand)*



*Metric M.5 to M3.0*

*American 000-120 to 2-80*



## Industrial Fasteners: Miniature

*We offer Miniature and  
Small Fasteners*

*- Screws + Hex Nuts*

*- Thread sizes:*

*Metric M.5 to M2*

*American Threads*

*0000-160 to 1-72*



# Quantity Discounting on Taps

*Discount Calculated on "Total" Order:*

*10 -24 pieces discount 10%*  
*25-99 pieces discount 20%*  
*100-249 pieces discount 30%*  
*250-499 pieces discount 40%*  
*500 Plus pieces discount 50%*



Discounts not applied to special order items. Prices subject to change without notice.  
Delivery: allow 6 to 10 weeks (smaller sizes take longer)

## ***Be the Best!***

*Tap life and performance  
will be enhanced if  
a **light lubricant oil** is used.*

## ***Be Safe!***

***Safety glasses** must be worn  
while using these taps or in  
the vicinity of their use. They may break,  
shatter, or throw particles.*

***For More Information, Contact:  
Legacy Products LLC***

### ***Phone Us!***

***(800) 394-9285 (US)  
(206) 329-0794 (WA)***

### ***Fax Us!***

***(800) 394-3872 (US)  
(206) 641-3203 (WA)***

***email: [sales@minitaps.com](mailto:sales@minitaps.com) [www.minitaps.com](http://www.minitaps.com)***

Terms and conditions: PRICING: All prices are US dollars. F.O.B. Seattle, Washington, USA 98199 and are subject to change. Payment must be prepaid, credit card, or C.O.D. SHIPPING: In-stock orders are shipped within 24 hours ARO. All items shipped UPS Ground Service Shipping or USPS. RETURNS: Returns must be authorized by Legacy Products, made within 10 days, and accompanied by a return authorization. Returns may be subject to a 20% restocking charge.

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