

# Taps & Dies

**NORSEMAN/CTD**  
DRILL & TOOL

## M42 COBALT TAPS & TITANIUM NITRIDE NEW

### Type 24-RNC Gold Oxide Type 24-RNCN Titanium Nitride Fractional - Taps for Hardened Steel and Iron

- M-42 plug taps for tapping through holes in mold steel and hardened steel with Rockwell C hardness between C30 – C45.
- Titanium coated M-42 plug taps last twice as long as uncoated taps, titanium coatings lubricity produces smooth threads. For use in cast iron, brass, bronze, armor plate with a Rockwell C hardness between C30 – C45 and hard plastics



Gold Oxide Part #	Titanium Nitride Part #	Thread Size	Thread Length	Overall Length	Shank Diameter	Drill Bit Size	# of Flutes	Pitch Limit Diameter	Qty Per Pack
10052	13802	4-40	5/16"	1-7/8"	0.1405	#43	3	H2	3
10072	13822	5-40	5/16"	1-15/16"	0.1405	#38	3	H2	3
10092	13842	6-32	3/8"	2"	0.1405	#36	3	H3	3
10112	13862	8-32	3/8"	2-1/8"	0.1675	#29	3	H3	3
10132	13882	10-24	1/2"	2-3/8"	0.1935	#25	3	H3	3
10142	13892	10-32	1/2"	2-3/8"	0.1935	#21	3	H3	3
10172	13922	1/4-20	5/8"	2-1/2"	0.2545	#7	3	H3	3
10182	13932	1/4-28	5/8"	2-1/2"	0.2545	#3	3	H3	3
10192	13942	5/16-18	11/16"	2-23/32"	0.3175	F	4	H3	3
10202	13952	5/16-24	11/16"	2-23/32"	0.3175	I	4	H3	3
10212	13962	3/8-16	3/4"	2-15/16"	0.3805	5/16"	4	H3	3
10222	13972	3/8-24	3/4"	2-15/16"	0.3805	Q	4	H3	3
10232	13982	7/16-14	7/8"	3-5/32"	0.3225	U	4	H3	3
10242	13992	7/16-20	7/8"	3-5/32"	0.3225	25/64"	4	H3	3
10272	14002	1/2-13	15/16"	3-3/8"	0.3665	27/64"	4	H3	3
10282	14012	1/2-20	15/16"	3-3/8"	0.3665	29/64"	4	H3	3
10292	14042	5/8-11	1-3/32"	3-13/16"	0.4795	17/32"	4	H3	1
10302	14052	5/8-18	1-3/32"	3-13/16"	0.4795	37/64"	4	H3	1
10312	14062	3/4-10	1-7/32"	4-1/4"	0.5895	21/32"	4	H3	1
10322	14072	3/4-16	1-7/32"	4-1/4"	0.5895	11/16"	4	H3	1

## HSS STRAIGHT FLUTE HAND TAPS

### Machine Screw / Fractional - Ground Thread Types 23-AG, Type 24-AG & Type 25-AG Gold Oxide

### Types 23-AGN, Type 24-AGN & Type 25-AGN Titanium Nitride Types 23, Type 24 & Type 25 Bright Finish

- The most common style of tap
- Can be used by hand or for tapping under power
- Versatile taps for use in general machine tapping or CNC tapping applications
- Use for through hole or blind hole tapping.



**Type 23-AG - Taper**

Gold Oxide - low temperature stress relief that enhances lubricity, reduces friction and increases tap toughness.



**Type 24-AGN - Plug**

Titanium Nitride - increases wear resistance by producing a higher surface hardness and exceptional lubricity resulting in longer tool life.



**Type 25 - Bottoming**  
Bright Finish

23-AG Taper Part#	24-AG Plug Part #	25-AG Bottoming Part #	23-AGN Taper Part #	24-AGN Plug Part #	25-AGN Bottoming Part #	23 Taper Part #	24 Plug Part #	25 Bottoming Part #	Size	# of Flutes	H Limit	QTY per/pack
72701	72702	72703	45981	45982	45983	71661	71662	71663	0-80	2	H1	3
72711	72712	72713	45991	45992	45993	71671	71672	71673	0-80	2	H2	3
72721	72722	72723	44101	44102	44103	71681	71682	71683	1-64	2	H1	3
72731	72732	72733	44111	44112	44113	71691	71692	71693	1-64	2	H2	3
72741	72742	72743	44121	44122	44123	71701	71702	71703	1-72	2	H1	3
72751	72752	72753	44131	44132	44133	71711	71712	71713	1-72	2	H2	3
72761	72762	72763	44141	44142	44143	71721	71722	71723	2-56	3	H1	3
<b>60660</b>	<b>60661</b>	<b>60662</b>	<b>46001</b>	<b>46002</b>	<b>46003</b>	<b>71231</b>	<b>71232</b>	<b>71233</b>	<b>2-56</b>	<b>3</b>	<b>H2</b>	<b>3</b>
72771	72772	72773	44151	44152	44153	71731	71732	71733	2-64	3	H2	3
72781	72782	72783	44161	44162	44163	71741	71742	71743	3-48	3	H1	3
<b>60680</b>	<b>60681</b>	<b>60682</b>	<b>46011</b>	<b>46012</b>	<b>46013</b>	<b>71251</b>	<b>71252</b>	<b>71253</b>	<b>3-48</b>	<b>3</b>	<b>H2</b>	<b>3</b>
60710	60711	60712	45931	45932	45933	71751	71752	71753	3-56	3	H2	3
<b>60700</b>	<b>60701</b>	<b>60702</b>	<b>46021</b>	<b>46022</b>	<b>46023</b>	<b>61001</b>	<b>61002</b>	<b>61003</b>	<b>4-40</b>	<b>3</b>	<b>H2</b>	<b>3</b>
60720	60721	60722	45951	45952	45953	61011	61012	61013	4-48	3	H2	3
72791	72792	72793	44191	44192	44193	71761	71762	71763	5-40	3	H1	3
<b>60730</b>	<b>60731</b>	<b>60732</b>	<b>46031</b>	<b>46032</b>	<b>46033</b>	<b>61021</b>	<b>61022</b>	<b>61023</b>	<b>5-40</b>	<b>3</b>	<b>H2</b>	<b>3</b>
<b>60740</b>	<b>60741</b>	<b>60742</b>	<b>45971</b>	<b>45972</b>	<b>45973</b>	<b>61031</b>	<b>61032</b>	<b>61033</b>	<b>5-44</b>	<b>3</b>	<b>H2</b>	<b>3</b>
72801	72802	72803	44211	44212	44213	71771	71772	71773	6-32	3	H1	3
72811	72812	72813	44221	44222	44223	71781	71782	71783	6-32	3	H2	3
<b>60750</b>	<b>60751</b>	<b>60752</b>	<b>46041</b>	<b>46042</b>	<b>46043</b>	<b>61041</b>	<b>61042</b>	<b>61043</b>	<b>6-32</b>	<b>3</b>	<b>H3</b>	<b>3</b>
72821	72822	72823	44231	44232	44233	71791	71792	71793	6-40	3	H1	3
<b>60760</b>	<b>60761</b>	<b>60762</b>	<b>46051</b>	<b>46052</b>	<b>46053</b>	<b>61051</b>	<b>61052</b>	<b>61053</b>	<b>6-40</b>	<b>3</b>	<b>H2</b>	<b>3</b>
72831	72832	72833	44241	44242	44243	71801	71802	71803	8-32	4	H1	3
72841	72842	72843	44251	44252	44253	71811	71812	71813	8-32	4	H2	3
<b>60770</b>	<b>60771</b>	<b>60772</b>	<b>46061</b>	<b>46062</b>	<b>46063</b>	<b>61061</b>	<b>61062</b>	<b>61063</b>	<b>8-32</b>	<b>4</b>	<b>H3</b>	<b>3</b>
<b>60780</b>	<b>60781</b>	<b>60782</b>	<b>46071</b>	<b>46072</b>	<b>46073</b>	<b>61071</b>	<b>61072</b>	<b>61073</b>	<b>8-36</b>	<b>4</b>	<b>H2</b>	<b>3</b>
72851	72852	72853	44261	44262	44263	71821	71822	71823	10-24	4	H1	3

Red Bold = most common used Taps