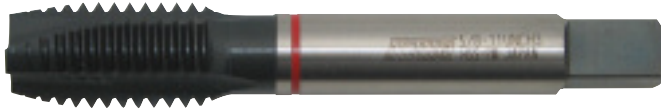


# POWERED METAL SPIRAL POINT TAPS INCH-RED RING



## P-HSS - POWDERED METAL

- Used for heat resistant materials, high strength stainless steel and titanium alloys as well as other high tensile steels and alloys including tool steel and nickel alloys
- Up to 48 HRC

• **4.5 PITCH LEAD (INTERMEDIATE)**

Powdered Metal taps offer superior toughness and lubricity and are made of premium-grade, super hard powder high speed steel. These taps have a special geometry for tougher applications.

P-HSS SPIRAL POINT TAPS INCH							
Tap	Threads Per Inch	No. Flutes	Thread Limits	O/A Length (in)	Thread Length (in)	Code No.	Price \$
<b>NC</b>							
4	40	2	H2	1-7/8	.433	124-100	20.10
5	40	3	H2	1-15/16	.433	124-105	17.60
6	32	3	H3	2	.512	124-110	16.60
8	32	3	H3	2-1/8	.512	124-115	16.60
10	24	3	H3	2-3/8	.512	124-120	17.60
1/4	20	3	H3	2-1/2	.630	124-130	19.10
5/16	18	3	H3	2-23/32	.748	124-140	22.60
3/8	16	3	H3	2-15/16	.748	124-150	30.10
7/16	14	3	H3	3-5/32	.866	124-160	35.60
1/2	13	3	H3	3-3/8	.945	124-170	41.60
5/8	11	3	H3	3-13/16	1.102	124-180	85.10
3/4	10	4	H3	4-1/4	1.220	124-190	135.20
<b>NF</b>							
10	32	3	H3	2-3/8	.512	124-125	17.60
1/4	28	3	H3	2-1/2	.630	124-135	19.10
5/16	24	3	H3	2-23/32	.748	124-145	22.60
3/8	24	3	H3	2-15/16	.748	124-155	30.10
7/16	20	3	H3	3-5/32	.866	124-165	35.60
1/2	20	3	H3	3-3/8	.945	124-175	41.60
5/8	18	3	H3	3-13/16	1.102	124-185	85.10
3/4	16	4	H3	4-1/4	1.220	124-195	135.20

cutting conditions				
Materials				Cutting Speed (FPM)
Main Group	Sub-Group	Condition	Hardness (HRC)	
Stainless Steel	17-4PH, 15-5, 17-7PH, AM350	hardened	<48	12-20
Tool steels	01, A-2, D-2, H-13, P-20	Hardened	<48	10-20
High strength	4140, 4340, 50100	Hardened	<48	15-20
Nickel alloys	Inconel, Hastaloy, Waspaloy, Rene, Monel	Annealed and Hardened	<42	5-20
Titanium	6 AL 4	Annealed/hardened	<42	8-15

cutting speed (fpm)										
	10	20	30	40	50	60	70	80	90	100
Stainless Steel										
Tool Steels										
High Strength										
Titanium										
Aluminum										

hardness (hrc)											
	0	5	10	15	20	25	30	35	40	45	50
Stainless Steel											
Tool Steels											
High Strength											
Titanium											
Aluminum											