

# Spiral Point HPT High Performance Taps For Hard Materials Plug Style

Taraud à haut rendement

Machuelo de alto rendimiento



Recommended for harder 32Rc-45Rc materials including steel alloys, titanium alloys, nickel base high temp alloys, tool and mold steels and stainless steels.

Premium Powder Metallurgy High Speed Steel Steam Oxide Finish and TiCN Coated

List No. 2097 Steam Oxide Finish

List No. 2097C

TiCN - Titanium Carbonitride Coated

Primarily designed for tapping through holes. The spiral point forces the chips ahead of the tap.

SIZE	TPI		NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	STEAM OXIDE FINISH LIST NO. 2097				TiCN COATED LIST NO. 2097C			
	UNC	UNF					H2	H3	H4	H5	H2	H3	H4	H5
4	40	—	2	5/16	1/4	1 7/8	30360	—	—	—	61000	—	—	—
5	40	—	3	5/16	5/16	1 15/16	30361	—	—	—	61001	—	—	—
6	32	—	3	3/8	5/16	2	30362	30363	—	—	61002	61003	—	—
8	32	—	3	3/8	3/8	2 1/8	30364	30365	—	—	61004	61005	—	—
10	24	—	3	1/2	3/8	2 3/8	—	30366	—	—	—	61006	—	—
10	—	32	3	1/2	3/8	2 3/8	30368	30369	—	—	61008	61009	—	—
1/4	20	—	3	5/8	3/8	2 1/2	—	30370	—	30371	—	61010	—	61011
1/4	—	28	3	5/8	3/8	2 1/2	—	30372	30373	—	—	61012	61013	—
5/16	18	—	3	1 1/16	7/16	2 23/32	—	30374	—	30375	—	61014	—	61015
5/16	—	24	3	1 1/16	7/16	2 23/32	—	30376	30377	—	—	61016	61017	—
3/8	16	—	3	3/4	1/2	2 15/16	—	30378	—	30379	—	61018	—	61019
3/8	—	24	3	3/4	1/2	2 15/16	—	30380	30381	—	—	61020	61021	—
7/16	14	—	3	7/8	9/16	3 5/32	—	30382	—	30383	—	61022	—	61023
7/16	—	20	3	7/8	9/16	3 5/32	—	30384	—	30385	—	61024	—	61025
1/2	13	—	3	1 5/16	2 3/32	3 3/8	—	30386	—	30387	—	61026	—	61027
1/2	—	20	3	1 5/16	2 3/32	3 3/8	—	30388	—	30389	—	61028	—	61029
9/16	12	—	4	1	4 3/64	3 19/32	—	30390	—	30391	—	61030	—	61031
9/16	—	18	4	1	4 3/64	3 19/32	—	30392	—	30393	—	61032	—	61033
5/8	11	—	4	1 1/8	4 3/64	3 13/16	—	30394	—	30395	—	61034	—	61035
5/8	—	18	4	1 1/8	4 3/64	3 13/16	—	30396	—	30397	—	61036	—	61037
3/4	10	—	4	1 7/32	4 9/64	4 1/4	—	30398	—	30399	—	61038	—	61039
3/4	—	16	4	1 7/32	4 9/64	4 1/4	—	30400	—	30401	—	61040	—	61041

## Metric

CNC Reduced Neck Design

List No. 2097M Steam Oxide Finish

List No. 2097MC TiCN - Titanium Carbonitride Coated

SIZE	PITCH	PITCH DIA. LIMIT	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	STEAM OXIDE FINISH LIST NO. 2097M		TiCN COATED LIST NO. 2097MC	
							EDP NO.	EDP NO.	EDP NO.	EDP NO.
M3	0.5	D3	3	5/16	5/16	1 15/16	30420	—	61060	—
M4	0.7	D4	3	3/8	3/8	2 1/8	30421	—	61061	—
M5	0.8	D4	3	1/2	3/8	2 3/8	30422	—	61062	—
M6	1.0	D5	3	5/8	3/8	2 1/2	30423	—	61063	—
M8	1.0	D5	3	1 1/16	7/16	2 23/32	30424	—	61064	—
M8	1.25	D5	3	1 1/16	7/16	2 23/32	30425	—	61065	—
M10	1.5	D6	3	3/4	1/2	2 15/16	30426	—	61066	—
M12	1.5	D5	3	1 5/16	2 3/32	3 3/8	30427	—	61067	—
M12	1.75	D6	3	1 5/16	2 3/32	3 3/8	30428	—	61068	—

# Spiral Flute HPT High Performance Taps For Hard Materials Semi-Bottoming Style

Taraud à haut rendement

Machuelo de alto rendimiento

CNC Reduced Neck Design



Recommended for harder 32Rc-45Rc materials including steel alloys, titanium alloys, nickel base high temp alloys, tool and mold steels and stainless steels.

Premium Powder Metallurgy High Speed Steel Steam Oxide Finish and TiCN Coated

List No. 2098 Steam Oxide Finish

List No. 2098C

TiCN - Titanium Carbonitride Coated

Primarily designed for tapping blind holes. The spiral flutes draw the chips out of the hole.

SIZE	TPI		NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	STEAM OXIDE FINISH LIST NO. 2098				TiCN COATED		LIST NO. 2098C			
	UNC	UNF					H2	H3	H4	H5	H2	H3	H4	H5		
4	40	—	2	5/16	1/4	1 7/8	30440	—	—	—	61080	—	—	—	—	
5	40	—	2	5/16	5/16	1 15/16	30441	—	—	—	61081	—	—	—	—	
6	32	—	2	3/8	5/16	2	30442	30443	—	—	61082	61083	—	—	—	
8	32	—	2	3/8	3/8	2 1/8	30444	30445	—	—	61084	61085	—	—	—	
10	24	—	3	1/2	3/8	2 3/8	—	30446	—	—	—	61086	—	—	—	
10	—	32	3	1/2	3/8	2 3/8	30448	30449	—	—	61088	61089	—	—	—	
1/4	20	—	3	5/8	3/8	2 1/2	—	30450	—	30451	—	61090	—	61091	—	
1/4	—	28	3	5/8	3/8	2 1/2	—	30452	30453	—	—	61092	61093	—	—	
5/16	18	—	3	1 1/16	7/16	2 23/32	—	30454	—	30455	—	61094	—	61095	—	
5/16	—	24	3	1 1/16	7/16	2 23/32	—	30456	30457	—	—	61096	61097	—	—	
3/8	16	—	3	3/4	1/2	2 15/16	—	30458	—	30459	—	61098	—	61099	—	
3/8	—	24	3	3/4	1/2	2 15/16	—	30460	30461	—	—	61100	61101	—	—	
7/16	14	—	3	7/8	9/16	3 5/32	—	30462	—	30463	—	61102	—	61103	—	
7/16	—	20	3	7/8	9/16	3 5/32	—	30464	—	30465	—	61104	—	61105	—	
1/2	13	—	3	1 5/16	2 3/32	3 3/8	—	30466	—	30467	—	61106	—	61107	—	
1/2	—	20	3	1 5/16	2 3/32	3 3/8	—	30468	—	30469	—	61108	—	61109	—	
9/16	12	—	4	1	4 3/64	3 19/32	—	30470	—	30471	—	61110	—	61111	—	
9/16	—	18	4	1	4 3/64	3 19/32	—	30472	—	30473	—	61112	—	61113	—	
5/8	11	—	4	1 1/8	4 3/64	3 13/16	—	30474	—	30475	—	61114	—	61115	—	
5/8	—	18	4	1 1/8	4 3/64	3 13/16	—	30476	—	30477	—	61116	—	61117	—	
3/4	10	—	4	1 7/32	4 9/64	4 1/4	—	30478	—	30479	—	61118	—	61119	—	
3/4	—	16	4	1 7/32	4 9/64	4 1/4	—	30480	—	30481	—	61120	—	61121	—	

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## Metric

List No. 2098M Steam Oxide Finish

List No. 2098MC TiCN - Titanium Carbonitride Coated

SIZE	PITCH	PITCH DIA. LIMIT	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	STEAM OXIDE FINISH LIST NO. 2098M		TiCN COATED LIST NO. 2098MC	
							EDP NO.	EDP NO.		
M3	0.5	D3	2	5/16	5/16	1 15/16	30490	61140		
M4	0.7	D4	2	3/8	3/8	2 1/8	30491	61141		
M5	0.8	D4	3	1/2	3/8	2 3/8	30492	61142		
M6	1.0	D5	3	5/8	3/8	2 1/2	30493	61143		
M8	1.0	D5	3	1 1/16	7/16	2 23/32	30494	61144		
M8	1.25	D5	3	1 1/16	7/16	2 23/32	30495	61145		
M10	1.5	D6	3	3/4	1/2	2 15/16	30496	61146		
M12	1.5	D5	3	1 5/16	2 3/32	3 3/8	30497	61147		
M12	1.75	D6	3	1 5/16	2 3/32	3 3/8	30498	61148		

HPT High Performance Taps