



DIN/ANSI Shark Line

Material Specific Application Taps



SHARK

INTRODUCTION

Dormer brand material specific application-based ranges of DIN ANSI Shark Taps offer high **performance** and **process security**. Shark Line taps are easily recognizable by their color ring coding, denoting recommendation for use on specific materials.

FEATURES AND BENEFITS

- **COLOR RING CODING**

The color ring on the tool shank identifies suitability for specific materials and enables quick and easy tool selection.

- **ADVANCED GEOMETRY**

Significant reduction in axial forces and torque compared to conventional taps. This ensures problem-free threading of blind and through holes in the selected material.

- **DIN/ANSI STANDARD**

Standard ANSI shank and square with DIN overall length, for extra reach and compatability with Inch Standard Tap Holding.

- **EDGE TREATMENT (Red, Yellow, Blue Shark)**

Spiral flute taps incorporate a special edge treatment to increase strength and reduce the chance of micro-chipping on the cutting edges. This considerably improves performance and tool life.



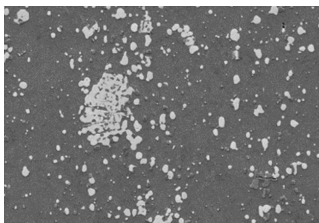
MATERIAL

Shark taps are manufactured from a unique powder metallurgy tool steel different from any other HSS-E-PM. This provides an unbeatable combination of toughness and edge strength, allowing the taps to perform at higher cutting temperatures while offering excellent performance and longer tool life.

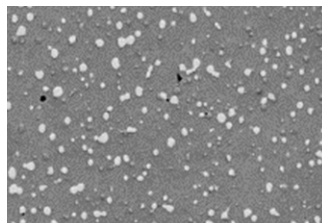
- **HIGHER IMPACT TOUGHNESS**

- **INCREASED HOT HARDNESS**

- **CONSISTENT HARDNESS**



Traditional HSS-E (M35)
material



Unique HSS-E-PM material
used for Shark Taps
(note the evenly dispersed
grain structure)

GEOMETRY AND CHAMFER

Thread geometry with optimized form generates:

- Low torque
- Excellent threads at both high and low speeds
- Superior surface finish

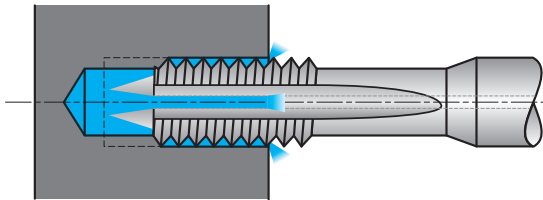
Innovative chamfer geometries for better “lead-in” and uniform wear distribution available with:

- Chamfer form E (full-bottoming = 1.5 – 2 threads) for blind holes
- Chamfer form C (semi-bottoming = 2 – 3 threads) for blind and through holes
- Chamfer form B (plug = 3.5 – 5 threads) for through holes

COOLING AND LUBRICATION

Internal coolant with axial coolant outlet (White Shark Form E taps only):

- Improved tool life
- Optimum chip evacuation when threading short chipping materials
- Extremely beneficial in horizontal blind hole machining



SURFACE TREATMENT

- **TiAlN-Top** (Yellow, Red and White Shark)

TiAlN-Top is a multi-layer ceramic coating which has been through a post-coating smoothing process.

It exhibits high toughness and oxidation stability making it ideal for higher speeds while also improving tool life.

- **Super-B** (Blue Shark)

Super-B is a low friction TiAlN+WC/C self lubricating hard coating which prevents built-up edge and provides very high wear resistance. This is particularly advantageous when threading tough, long-chipping, heat resistant materials such as stainless steel.



SHARK



SHARK TAPS



YELLOW SHARK

FOR STRUCTURAL, PLAIN CARBON & LOW ALLOY STEELS

- **SURFACE TREATMENT**

TiAlN-Top coating with an additional edge treatment.

- **FLUTE GEOMETRY**

Available in spiral point for through holes and spiral flute (40° angle) for blind holes. Special flute geometry on Yellow Shark spiral flute taps prevents nest formation of chips, reducing the risk of re-cutting chips on reversal.



RED SHARK

FOR ALLOY STEELS

- **SURFACE TREATMENT**

TiAlN-Top coating with an additional edge treatment.

- **FLUTE GEOMETRY**

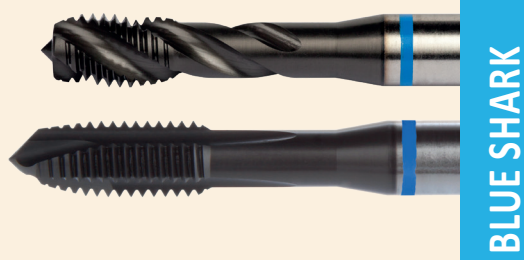
Available in spiral point for through holes and spiral flute (45° angle) for blind holes. Special flute geometry on Red Shark spiral flute taps prevents nest formation of chips, reducing the risk of re-cutting chips on reversal.

- **BACK TAPERED**

The back taper on spiral flute Red Shark further facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.

- **TOOL HOLDING Recommendation**

When using spiral flute Red Shark taps, it is recommended to use a tool holder with minimal float or soft start.



FOR STAINLESS STEELS

- **SURFACE TREATMENT**

Super-B (TiAlN + WC/C) coating with an additional edge treatment.

- **FLUTE GEOMETRY**

Available in spiral point for through holes and spiral flute (40° angle) for blind holes.

- **BACK TAPERED**

The back taper on the E812, E912, E628 and E768 spiral flute Blue Shark facilitates chip evacuation, reducing chipping on the last threads of the taps and also reducing torque when the tap reverses.



FOR CAST IRONS

- **SURFACE TREATMENT**

TiAlN-Top coating.

- **FLUTE GEOMETRY**

Straight flute design gives excellent performance when threading both through and blind holes in short chipping materials.

- **INTERNAL COOLANT WITH AXIAL OUTLET**

Reduces interruptions of the production process by providing optimum chip evacuation in both horizontal and vertical blind hole machining.

	UNC	UNC	UNF	UNF	M	M	MF	MF	UNC	UNF	UNC	UNF	UNC	UNF	M	MF	M	
	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	
	2BX	2BX	2BX	2BX	6HX	6HX	6HX	6HX	2B	2B	2B 3B	2B 3B	2B	2B	6H	6H	6H	
	2XD	2.5XD	2XD	2.5XD	2XD	2.5XD	2XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	2.5XD	
	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	
	C 2-3	E 1.5-2	C 2-3	E 1.5-2	C 2-3	E 1.5-2	C 2-3	E 1.5-2	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	B 3.5-5	
	E814	E815	E914	E915	E630	E631	E770	E771	E809	E909	E813	E913	E811	E911	E625	E765	E629	
	1/4 - 1"	1/4 - 1"	No.10 - 7/8	1/4 - 1"	M5 - M24	M6 - M24	M8 - M14	M10 - M14	No.4 - 1"	No.10 - 1"	No.4 - 1"	No.10 - 1"	No.4 - 1"	no.10 - 1"	M4 - M24	M8 - M18	M4 - M24	
	8	8	8	8	9	9	9	9	10	10	11	11	12	12	13	13	14	
AMG																		ISO
1.1									■ 108	■ 108					■ 108	■ 108		P 1
1.2									■ 95	■ 95	● 72	● 72			■ 95	■ 95	● 72	P 1
1.3									■ 75	■ 75	● 59	● 59			■ 75	■ 75	● 59	P 2
1.4									● 69	● 69	● 52	● 52	■ 98	■ 98	● 69	● 69	● 52	P 3
1.5									● 43	● 43	● 33	● 33	■ 66	■ 66	● 43	● 43	● 33	P 4
1.6													● 36	● 36				H 1
1.7																		H 3
1.8																		H 4
2.1											■ 46	■ 46					■ 46	M 1
2.2											■ 33	■ 33					■ 33	M 3
2.3											■ 20	■ 20					■ 20	M 2
2.4																		S 2
3.1	■ 98	■ 98	■ 98	■ 98	■ 98	■ 98	■ 98	■ 98										K 1
3.2	■ 82	■ 82	■ 82	■ 82	■ 82	■ 82	■ 82	■ 82										K 2
3.3	■ 115	■ 115	■ 115	■ 115	■ 115	■ 115	■ 115	■ 115										K 3
3.4	● 82	● 82	● 82	● 82	● 82	● 82	● 82	● 82										K 4
4.1																		S 1
4.2													● 33	● 33				S 2
4.3																		S 3
5.1																		S 1
5.2													● 33	● 33				S 2
5.3																		S 3
6.1									■ 39	■ 39					■ 39	■ 39		N 3
6.2	● 98	● 98	● 98	● 98	● 98	● 98	● 98	● 98	● 98	● 98					● 98	● 98		N 3
6.3									■ 66	■ 66					■ 66	■ 66		N 3
6.4	● 16	● 16	● 16	● 16	● 16	● 16	● 16	● 16										N 4
7.1																		N 1
7.2																		N 1
7.3																		N 1
7.4	● 66	● 66	● 66	● 66	● 66	● 66	● 66	● 66										N 2
8.1																		O
8.2	■ 49	■ 49	■ 49	■ 49	■ 49	■ 49	■ 49	■ 49										O
8.3																		O
9.1																		H
10.1																		O

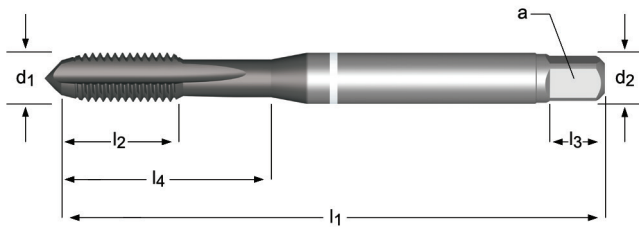
	MF	M	MF	UNC	UNF	UNC	UNF	UNC	UNF	M	MF	M	MF	M	MF	
	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI	
	6H	6H	6H	2B	2B	2B 3B	2B 3B	2B	2B	6H	6H	6H	6H	6H	6H	
	2.5XD	2.5XD	2.5XD	2XD	2XD	2.5XD	2.5XD	2.5XD	2.5XD	2XD	2XD	2.5XD	2.5XD	2.5XD	2.5XD	
	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	
	B 3.5-5	B 3.5-5	B 3.5-5	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	C 2-3	
	Super B	TiAIN Top	TiAIN Top	TiAIN Top	TiAIN Top	Super B	Super B	TiAIN Top	TiAIN Top	TiAIN Top	TiAIN Top	Super B	Super B	TiAIN Top	TiAIN Top	
	E769	E627	E767	E808	E908	E812	E912	E810	E910	E624	E764	E628	E768	E626	E766	
	M8 - M18	M3 - M24	M8 - M14	No.4 - 1"	No.10 - 1"	No.4 - 1"	No.10 - 1"	No.4 - 1"	No.10 - 1"	M4 - M24	M8 - M18	M4 - M24	M8 - M18	M3 - M24	M8 - M14	
	14	15	15	17	17	18	18	19	19	20	20	21	21	22	22	
AMG																ISO
1.1				■ 108	■ 108					■ 108	■ 108					P 1
1.2	● 72			■ 95	■ 95	● 72	● 72			■ 95	■ 95	● 72	● 72			P 1
1.3	● 59			■ 75	■ 75	● 59	● 59			■ 75	■ 75	● 59	● 59			P 2
1.4	● 52	■ 98	■ 98	● 69	● 69	● 52	● 52	■ 98	■ 98	● 69	● 69	● 52	● 52	■ 98	■ 98	P 3
1.5	● 33	■ 66	■ 66	● 43	● 43	● 33	● 33	■ 66	■ 66	● 43	● 43	● 33	● 33	■ 66	■ 66	P 4
1.6		● 36	● 36					● 36	● 36					● 36	● 36	H 1
1.7																H 3
1.8																H 4
2.1	■ 46					■ 46	■ 46					■ 46	■ 46			M 1
2.2	■ 33					■ 33	■ 33					■ 33	■ 33			M 3
2.3	■ 20					■ 20	■ 20					■ 20	■ 20			M 2
2.4																S 2
3.1																K 1
3.2																K 2
3.3																K 3
3.4																K 4
4.1																S 1
4.2		● 33	● 33					● 33	● 33					● 33	● 33	S 2
4.3																S 3
5.1																S 1
5.2		● 33	● 33					● 33	● 33					● 33	● 33	S 2
5.3																S 3
6.1				■ 39	■ 39					■ 39	■ 39					N 3
6.2				● 98	● 98					● 98	● 98					N 3
6.3				■ 66	■ 66					■ 66	■ 66					N 3
6.4																N 4
7.1																N 1
7.2																N 1
7.3																N 1
7.4																N 2
8.1																O
8.2																O
8.3																O
9.1																H
10.1																O

DIN ANSI Machine Tap, White Shark for Cast Iron

E814 Designed for semi-bottoming or through hole tapping in Cast Iron applications. Premium HSCo Powder Metal substrate with TiAlN-Top Coating combine to offer superior abrasion resistance, higher operating speeds, improved thread quality, reduced cycle times and longer tool life.

E815 Coolant through design allows for higher tapping speeds and better tool life. This design eliminates the problems associated with inadequate coolant supply in some applications. Full Bottoming.

- 3.1 3.2 3.3 8.2
- 3.4 6.2 6.4 7.4



Pack Qty = 1 pc

UNC	UNF	TPI	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E814	E815	E914	E915
			Inch	Inch	Inch	Inch	Inch	a								
	10	32	2.756	0.551	1.102	0.194	0.150	0.250	4	4.10	N21	H4	—	—	7350222	—
1/4	20	3.150	0.591	0.984	0.255	0.189	0.310	0.310	4	5.10	N7	H5	7350203	7350231	—	—
	1/4	28	3.150	0.591	0.984	0.255	0.189	0.310	4	5.50	N3	H5	—	—	7350223	—
	1/4	28	3.150	0.591	0.984	0.255	0.189	0.310	4	5.50	N3	H4	—	—	—	7350240
5/16	18	3.543	0.709	1.339	0.318	0.236	0.380	0.380	4	6.60	F	H5	7350204	—	—	—
5/16	18	3.543	0.787	1.339	0.318	0.236	0.380	0.380	4	6.60	F	H5	—	7350232	—	—
	5/16	24	3.543	0.709	1.339	0.318	0.236	0.380	4	6.90	I	H5	—	—	7350224	—
	5/16	24	3.543	0.787	1.339	0.318	0.236	0.380	4	6.90	I	H5	—	—	—	7350241
3/8	16	3.937	0.787	1.535	0.381	0.284	0.440	0.440	4	8.00	5/16	H5	7350205	7350233	—	—
	3/8	24	3.543	0.787	1.476	0.381	0.284	0.440	4	8.50	Q	H5	—	—	7350225	7350242
7/16	14	3.937	0.787	—	0.323	0.240	0.410	0.410	4	9.40	U	H5	7350206	7350234	—	—
	7/16	20	3.937	0.787	—	0.323	0.240	0.410	4	9.90	25/64	H5	—	—	7350226	7350243
1/2	13	4.331	0.906	—	0.367	0.273	0.440	0.440	4	10.80	27/64	H5	7350207	7350235	—	—
	1/2	20	3.937	0.827	—	0.367	0.273	0.440	4	11.50	29/64	H5	—	—	7350227	7350244
5/8	11	4.331	0.906	—	0.480	0.358	0.560	0.560	4	13.50	17/32	H5	7350208	7350236	—	—
	5/8	18	3.937	0.827	—	0.480	0.358	0.560	4	14.50	37/64	H5	—	—	7350228	7350245
3/4	10	4.921	1.181	—	0.590	0.439	0.690	0.690	4	16.50	21/32	H5	7350209	7350237	—	—
	3/4	16	4.331	0.906	—	0.590	0.439	0.690	4	17.50	11/16	H6	—	—	7350229	—
	3/4	16	4.331	0.906	—	0.590	0.439	0.690	4	17.50	11/16	H5	—	—	—	7350246
7/8	9	5.512	1.339	—	0.697	0.520	0.750	0.750	4	19.50	49/64	H6	7350220	7350238	—	—
	7/8	14	4.921	0.906	—	0.697	0.520	0.750	4	20.40	13/16	H6	—	—	7350230	7350247
1"	8	6.299	1.417	—	0.800	0.597	0.810	0.810	4	22.25	7/8	H6	7350221	7350239	—	—
	1"	12	5.512	1.063	—	0.800	0.597	0.810	4	23.25	59/64	H6	—	—	—	7350248

Note: Sizes up to 3/8" have male centers on both ends • Sizes over 3/8" have female centers on both ends

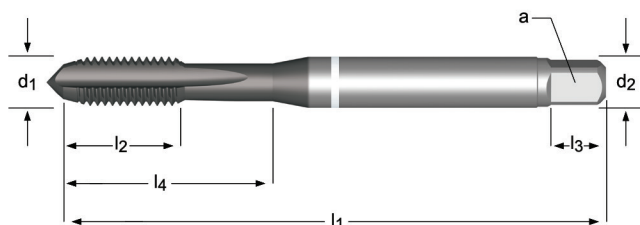
E814	E815	E914	E915
UNC	UNC	UNF	UNF
DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI
2BX	2BX	2BX	2BX
2XD	2.5XD	2XD	2.5XD
HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM
C 2-3	E 1.5-2	C 2-3	E 1.5-2
TiAlN Top	TiAlN Top	TiAlN Top	TiAlN Top
1/4 - 1"	1/4 - 1"	No.10 - 7/8	1/4 - 1"

DIN ANSI Machine Tap, White Shark for Cast Iron

E630 Designed for semi-bottoming or through hole tapping in Cast Iron applications. Premium HSCo Powder Metal substrate with TiAlN-Top Coating combine to offer superior abrasion resistance, higher operating speeds, improved thread quality, reduced cycle times and longer tool life.

E631 Coolant through design allows for higher tapping speeds and better tool life. This design eliminates the problems associated with inadequate coolant supply in some applications. Full Bottoming.

- 3.1 3.2 3.3 8.2
- 3.4 6.2 6.4 7.4



Pack Qty = 1 pc

M	MF	P	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E630	E631	E770	E771
		mm	mm	mm	mm	mm	Inch	mm								
5		0.80	70	13	25	0.194	0.150	6	4	4.20	N19	D4	7350249	—	—	—
6		1.00	80	15	25	0.255	0.189	8	4	5.00	N9	D5	—	7350265	—	—
6		1.00	80	15	30	0.255	0.189	8	4	5.00	N9	D5	7350250	—	—	—
8		1.00	90	18	35	0.318	0.236	10	4	7.00	J	D5	—	—	7350259	—
8		1.25	90	18	35	0.318	0.236	10	4	6.80	H	D5	7350251	—	—	—
8		1.25	90	20	34	0.318	0.236	10	4	6.80	H	D5	—	7350266	—	—
10		1.00	90	20	35	0.381	0.284	11	4	9.00	T	D6	—	—	7350260	—
10		1.25	100	20	39	0.381	0.284	11	4	8.80	11/32	D6	—	—	7350261	7350274
10		1.50	100	20	39	0.381	0.284	11	4	8.50	Q	D6	7350252	7350267	—	—
12		1.25	100	21	—	0.367	0.273	11	4	10.80	27/64	D6	—	—	7350262	7350275
12		1.50	100	21	—	0.367	0.273	11	4	10.50	Z	D6	—	—	7350263	7350276
12		1.75	110	23	—	0.367	0.273	11	4	10.30	Y	D6	7350253	7350268	—	—
14		1.50	100	21	—	0.429	0.320	13	4	12.50	31/64	D7	—	—	7350264	7350277
14		2.00	110	23	—	0.429	0.320	13	4	12.00	15/32	D7	7350254	7350269	—	—
16		2.00	110	23	—	0.480	0.358	14	4	14.00	35/64	D7	7350255	7350270	—	—
18		2.50	125	30	—	0.542	0.404	16	4	15.50	39/64	D7	7350256	7350271	—	—
20		2.50	140	30	—	0.652	0.487	18	4	17.50	11/16	D7	7350257	7350272	—	—
24		3.00	160	38	—	0.760	0.567	19	4	21.00	53/64	D8	7350258	7350273	—	—

Note: Sizes up to M10 have male centers on both ends • Sizes over M10 have female centers on both ends

E630	E631	E770	E771
M	M	MF	MF
DIN ANSI	DIN ANSI	DIN ANSI	DIN ANSI
6HX	6HX	6HX	6HX
2XD	2.5XD	2XD	2.5XD
HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM
C 2-3	E 1.5-2	C 2-3	E 1.5-2
TiAlN Top	TiAlN Top	TiAlN Top	TiAlN Top
M5—M24	M6—M24	M8—M14	M10—M14

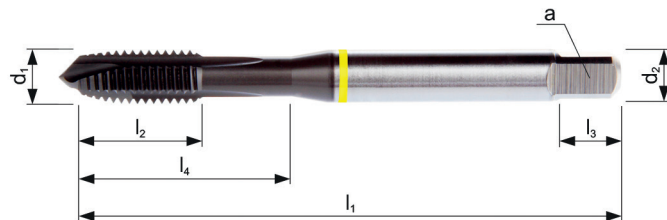
DIN ANSI Machine Tap, Yellow Shark for Low Alloy Steels

E809 Designed for through hole tapping in low Alloy Steel applications.

E909 Premium HSCo Powder Metal substrate with TiAlN-Top Coating combine to offer superior abrasion resistance, higher operating speeds, improved thread quality, reduced cycle times and longer tool life.

■ **1.1 1.2 1.3 6.1 6.3**

● **1.4 1.5 6.2**



Pack Qty = 1 pc

UNC	UNF	TPI	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E809	E909
			Inch	Inch	Inch	Inch	Inch	Inch						
4		40	2.205	0.354	0.709	0.141	0.108	0.190	3	2.35	N43	H2	7350469	
6		32	2.205	0.433	0.787	0.141	0.108	0.190	3	2.85	N36	H2	7350470	
8		32	2.480	0.512	0.827	0.168	0.129	0.250	3	3.50	N29	H3	7350471	
10		24	2.756	0.551	1.102	0.194	0.150	0.250	3	3.90	N25	H3	7350472	
	10	32	2.756	0.551	1.102	0.194	0.150	0.250	3	4.10	N21	H3		7350482
1/4		20	3.150	0.591	0.984	0.255	0.189	0.310	3	5.10	N7	H5	7350473	
	1/4	28	3.150	0.591	0.984	0.255	0.189	0.310	3	5.50	N3	H4		7350483
5/16		18	3.543	0.709	1.339	0.318	0.236	0.380	3	6.60	F	H5	7350474	
	5/16	24	3.543	0.709	1.339	0.318	0.236	0.380	3	6.90	I	H4		7350484
3/8		16	3.937	0.787	1.535	0.381	0.284	0.440	3	8.00	5/16	H4	7350475	
	3/8	24	3.543	0.787	1.476	0.381	0.284	0.440	3	8.50	Q	H4		7350485
7/16		14	3.937	0.787	—	0.323	0.240	0.410	3	9.40	U	H5	7350476	
	7/16	20	3.937	0.787	—	0.323	0.240	0.410	3	9.90	25/64	H5		7350486
1/2		13	4.331	0.906	—	0.367	0.273	0.440	3	10.80	27/64	H5	7350477	
	1/2	20	3.937	0.827	—	0.367	0.273	0.440	3	11.50	29/64	H5		7350487
5/8		11	4.331	0.906	—	0.480	0.358	0.560	3	13.50	17/32	H5	7350478	
	5/8	18	3.937	0.827	—	0.480	0.358	0.560	3	14.50	37/64	H5		7350488
3/4		10	4.921	1.181	—	0.590	0.439	0.690	3	16.50	21/32	H5	7350479	
	3/4	16	4.331	0.906	—	0.590	0.439	0.690	3	17.50	11/16	H5		7350489
7/8		9	5.512	1.339	—	0.697	0.520	0.750	4	19.50	49/64	H6	7350480	
	7/8	14	4.921	0.906	—	0.697	0.520	0.750	4	20.40	13/16	H6		7350490
1"		8	6.299	1.417	—	0.800	0.597	0.810	4	22.25	7/8	H6	7350481	
	1"	12	5.512	1.063	—	0.800	0.597	0.810	4	23.25	59/64	H6		7350491

Note: Sizes up to 3/8" have male centers on both ends • Sizes over 3/8" have female centers on both ends

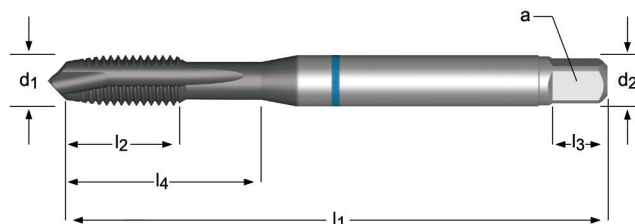
E809	E909
UNC	UNF
DIN ANSI	DIN ANSI
2B	2B
2.5XD	2.5XD
HSS-E PM	HSS-E PM
B 3.5-5	B 3.5-5
No.4-1"	No.10-1"

DIN ANSI Machine Tap, Blue Shark for Stainless Steel

E813 Designed for superior performance through hole tapping in a wide range of Stainless Steel types. Premium HSCo Powder Metal substrate with Super-B (TiAlN+WC/C) Coating combined with an additional edge treatment to offer improved thread quality and longer tool life. Available in both 2B and 3B Class of Fit to cover a wide range of applications.

E913

- **2.1 2.2 2.3**
- **1.2 1.3 1.4 1.5**



Pack Qty = 1 pc

E813	E913
UNC	UNF
DIN ANSI	DIN ANSI
2B 3B	2B 3B
2.5XD	2.5XD
HSS-E PM	HSS-E PM
B 3.5-5	B 3.5-5
Super B	Super B
No.4-1"	No.10-1"

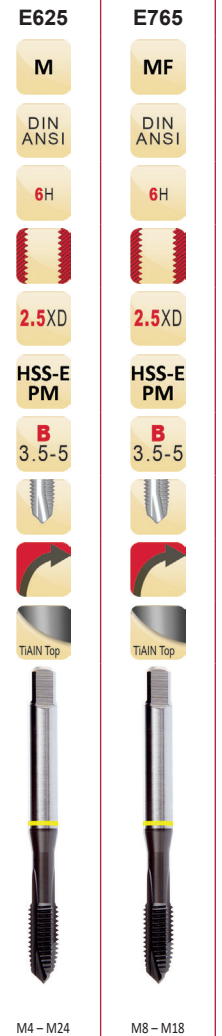
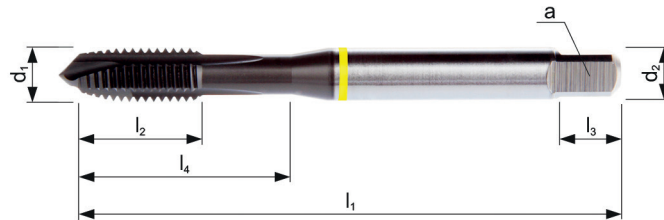
UNC	UNF	TPI	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E813	E913
Inch	Inch	Inch	Inch	Inch	Inch	ϕ	a	Inch						
4		40	2.205	0.354	0.709	0.141	0.108	0.190	3	2.35	N43	H2	7350278	
6		32	2.205	0.433	0.787	0.141	0.108	0.190	3	2.85	N36	H3	7350279	
8		32	2.480	0.512	0.827	0.168	0.129	0.250	3	3.50	N29	H3	7350280	
10		24	2.756	0.551	1.102	0.194	0.150	0.250	3	3.90	N25	H3	7350281	
	10	32	2.756	0.551	1.102	0.194	0.150	0.250	3	4.10	N21	H3		7350299
1/4		20	3.150	0.591	0.984	0.255	0.189	0.310	3	5.10	N7	H5	7350282	
1/4		20	3.150	0.591	0.984	0.255	0.189	0.310	3	5.10	N7	H3	7350283	
	1/4	28	3.150	0.591	0.984	0.255	0.189	0.310	3	5.50	N3	H5		7350300
	1/4	28	3.150	0.591	0.984	0.255	0.189	0.310	3	5.50	N3	H3		7350301
5/16		18	3.543	0.709	1.339	0.318	0.236	0.380	3	6.60	F	H5	7350284	
5/16		18	3.543	0.709	1.339	0.318	0.236	0.380	3	6.60	F	H3	7350285	
	5/16	24	3.543	0.709	1.339	0.318	0.236	0.380	3	6.90	I	H4		7350302
	5/16	24	3.543	0.709	1.339	0.318	0.236	0.380	3	6.90	I	H3		7350303
3/8		16	3.937	0.787	1.535	0.381	0.284	0.440	3	8.00	5/16	H3	7350287	
3/8		16	3.937	0.787	1.535	0.381	0.284	0.440	3	8.00	5/16	H5	7350286	
	3/8	24	3.543	0.787	1.476	0.381	0.284	0.440	3	8.50	Q	H4		7350304
	3/8	24	3.543	0.787	1.476	0.381	0.284	0.440	3	8.50	Q	H3		7350305
7/16		14	3.937	0.787	—	0.323	0.240	0.410	4	9.40	U	H5	7350288	
	7/16	20	3.937	0.787	—	0.323	0.240	0.410	4	9.90	25/64	H5		7350306
1/2		13	4.331	0.906	—	0.367	0.273	0.440	4	10.80	27/64	H5	7350289	
1/2		13	4.331	0.906	—	0.367	0.273	0.440	4	10.80	27/64	H3	7350290	
	1/2	20	3.937	0.827	—	0.367	0.273	0.440	4	11.50	29/64	H5		7350307
	1/2	20	3.937	0.827	—	0.367	0.273	0.440	4	11.50	29/64	H3		7350308
5/8		11	4.331	0.906	—	0.480	0.358	0.560	4	13.50	17/32	H5	7350291	
5/8		11	4.331	0.906	—	0.480	0.358	0.560	4	13.50	17/32	H3	7350292	
	5/8	18	3.937	0.827	—	0.480	0.358	0.560	4	14.50	37/64	H5		7350309
	5/8	18	3.937	0.827	—	0.480	0.358	0.560	4	14.50	37/64	H3		7350310
3/4		10	4.921	1.181	—	0.590	0.439	0.690	4	16.50	21/32	H5	7350293	
3/4		10	4.921	1.181	—	0.590	0.439	0.690	4	16.50	21/32	H3	7350294	
	3/4	16	4.331	0.906	—	0.590	0.439	0.690	4	17.50	11/16	H5		7350311
	3/4	16	4.331	0.906	—	0.590	0.439	0.690	4	17.50	11/16	H3		7350312
7/8		9	5.512	1.339	—	0.697	0.520	0.750	4	19.50	49/64	H6	7350295	
7/8		9	5.512	1.339	—	0.697	0.520	0.750	4	19.50	49/64	H4	7350296	
	7/8	14	4.921	0.906	—	0.697	0.520	0.750	4	20.40	13/16	H6		7350313
	7/8	14	4.921	0.906	—	0.697	0.520	0.750	4	20.40	13/16	H4		7350314
1"		8	6.299	1.417	—	0.800	0.597	0.810	4	22.25	7/8	H6	7350297	
1"		8	6.299	1.417	—	0.800	0.597	0.810	4	22.25	7/8	H4	7350298	
	1"	12	5.512	1.063	—	0.800	0.597	0.810	4	23.25	59/64	H6		7350315
	1"	12	5.512	1.063	—	0.800	0.597	0.810	4	23.25	59/64	H4		7350316

Note: Sizes up to 3/8" have male centers on both ends • Sizes over 3/8" have female centers on both ends

DIN ANSI Machine Tap, Yellow Shark for Low Alloy Steels

E625 Designed for through hole tapping in low Alloy Steel applications.
E765 Premium HSCo Powder Metal substrate with TiAlN-Top Coating combine to offer superior abrasion resistance, higher operating speeds, improved thread quality, reduced cycle times and longer tool life.

- 1.1 1.2 1.3 6.1 6.3
- 1.4 1.5 6.2



Pack Qty = 1 pc

M	MF	P	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E625	E765
		mm	mm	mm	mm	Inch	Inch	mm						
4		0.70	63	12	21	0.168	0.129	6	3	3.30	N30	D4	7350492	
5		0.80	70	13	25	0.194	0.150	6	3	4.20	N19	D4	7350493	
6		1.00	80	15	30	0.255	0.189	8	3	5.00	N9	D5	7350494	
	8	1.00	90	18	35	0.318	0.236	10	3	7.00	J	D5		7350503
8		1.25	90	18	35	0.318	0.236	10	3	6.80	H	D5	7350495	
	10	1.25	100	20	39	0.381	0.284	11	3	8.80	11/32	D6		7350504
10		1.50	100	20	39	0.381	0.284	11	3	8.50	Q	D6	7350496	
	12	1.25	100	21	—	0.367	0.273	11	3	10.80	27/64	D6		7350505
	12	1.50	100	21	—	0.367	0.273	11	3	10.50	Z	D6		7350506
12		1.75	110	23	—	0.367	0.273	11	3	10.30	Y	D6	7350497	
	14	1.50	100	21	—	0.429	0.320	13	3	12.50	31/64	D7		7350507
14		2.00	110	23	—	0.429	0.320	13	3	12.00	15/32	D7	7350498	
	16	1.50	100	21	—	0.480	0.358	14	3	14.50	9/16	D7		7350508
16		2.00	110	23	—	0.480	0.358	14	3	14.00	35/64	D7	7350499	
	18	1.50	110	24	—	0.542	0.404	16	3	16.50	41/64	D7		7350509
18		2.50	125	30	—	0.542	0.404	16	3	15.50	39/64	D7	7350500	
20		2.50	140	30	—	0.652	0.487	18	3	17.50	11/16	D7	7350501	
24		3.00	160	38	—	0.760	0.567	19	4	21.00	53/64	D8	7350502	

Note: Sizes up to M10 have male centers on both ends • Sizes over M10 have female centers on both ends

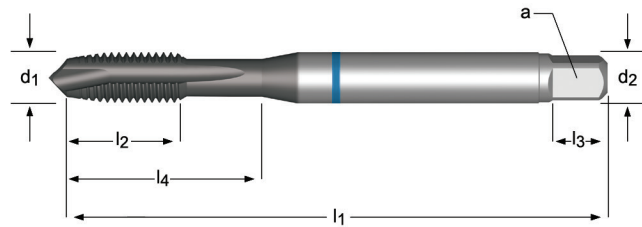
DIN ANSI Machine Tap, Blue Shark for Stainless Steel

E629 Designed for superior performance through hole tapping in a wide range of Stainless Steel types. Premium HSCo Powder Metal substrate with Super-B (TiAlN+WC/C) Coating combined with an additional edge treatment to offer improved thread quality and longer tool life. Available in both 2B and 3B Class of Fit to cover a wide range of applications.

E769

■ **2.1 2.2 2.3**

● **1.2 1.3 1.4 1.5**



E629

M

DIN ANSI

6H



2.5XD

HSS-E PM

B
3.5-5



M4 – M24

E769

MF

DIN ANSI

6H



2.5XD

HSS-E PM

B
3.5-5



M8 – M18

Pack Qty = 1 pc

M	MF	P mm	l_1 mm	l_2 mm	l_4 mm	d_2 Ø Inch	$\square$ a Inch	l_3 mm	No. of flutes			Limits	E629	E769
4		0.70	63	12	21	0.168	0.129	6	3	3.30	N30	D4	7350317	
5		0.80	70	13	25	0.194	0.150	6	3	4.20	N19	D4	7350318	
6		1.00	80	15	30	0.255	0.189	8	3	5.00	N9	D5	7350319	
	8	1.00	90	18	35	0.318	0.236	10	3	7.00	J	D5		7350328
8		1.25	90	18	35	0.318	0.236	10	3	6.80	H	D5	7350320	
	10	1.25	100	20	39	0.381	0.284	11	3	8.80	11/32	D6		7350329
10		1.50	100	20	39	0.381	0.284	11	3	8.50	Q	D6	7350321	
	12	1.25	100	21	–	0.367	0.273	11	4	10.80	27/64	D6		7350330
	12	1.50	100	21	–	0.367	0.273	11	4	10.50	Z	D6		7350331
12		1.75	110	23	–	0.367	0.273	11	4	10.30	Y	D6	7350322	
	14	1.50	100	21	–	0.429	0.320	13	4	12.50	31/64	D7		7350332
14		2.00	110	23	–	0.429	0.320	13	4	12.00	15/32	D7	7350323	
	16	1.50	100	21	–	0.480	0.358	14	4	14.50	9/16	D7		7350333
16		2.00	110	23	–	0.480	0.358	14	4	14.00	35/64	D7	7350324	
	18	1.50	110	24	–	0.542	0.404	16	4	16.50	41/64	D7		7350334
18		2.50	125	30	–	0.542	0.404	16	4	15.50	39/64	D7	7350325	
20		2.50	140	30	–	0.652	0.487	18	4	17.50	11/16	D7	7350326	
24		3.00	160	38	–	0.760	0.567	19	4	21.00	53/64	D8	7350327	

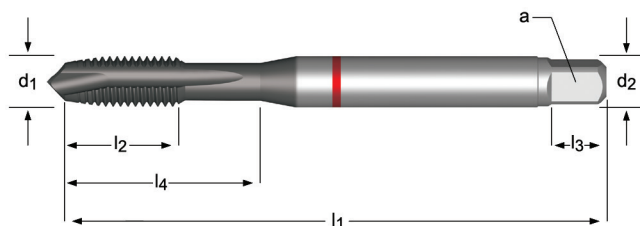
Note: Sizes up to M10 have male centers on both ends • Sizes over M10 have female centers on both ends

DIN ANSI Machine Tap, Red Shark for Alloy Steels

E627 Designed for high performance through hole tapping in most medium Alloy Steels. The TiAlN-Top Coating combined with an additional edge treatment provides excellent performance and consistency in high production applications.

E767

- 1.4 1.5
- 1.6 4.2 5.2



Pack Qty = 1 pc

M	MF	P	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E627	E767
		mm	mm	mm	mm	Inch	Inch	mm						
3		0.50	56	9	18	0.141	0.108	5	3	2.50	N40	D3	7350414	
4		0.70	63	12	21	0.168	0.129	6	3	3.30	N30	D4	7350415	
5		0.80	70	13	25	0.194	0.150	6	3	4.20	N19	D4	7350416	
6		1.00	80	15	30	0.255	0.189	8	3	5.00	N9	D5	7350417	
	8	1.00	90	18	35	0.318	0.236	10	3	7.00	J	D5		7350426
8		1.25	90	18	35	0.318	0.236	10	3	6.80	H	D5	7350418	
	10	1.25	100	20	39	0.381	0.284	11	3	8.80	11/32	D6		7350427
10		1.50	100	20	39	0.381	0.284	11	3	8.50	Q	D6	7350419	
	12	1.50	100	21	—	0.367	0.273	11	3	10.50	Z	D6		7350428
12		1.75	110	23	—	0.367	0.273	11	3	10.30	Y	D6	7350420	
	14	1.50	100	21	—	0.429	0.320	13	3	12.50	31/64	D7		7350429
14		2.00	110	23	—	0.429	0.320	13	3	12.00	15/32	D7	7350421	
16		2.00	110	23	—	0.480	0.358	14	3	14.00	35/64	D7	7350422	
18		2.50	125	30	—	0.542	0.404	16	4	15.50	39/64	D7	7350423	
20		2.50	140	30	—	0.652	0.487	18	4	17.50	11/16	D7	7350424	
24		3.00	160	38	—	0.760	0.567	19	4	21.00	53/64	D8	7350425	

Note: Sizes up to M10 have male centers on both ends • Sizes over M10 have female centers on both ends

E627	E767
M	MF
DIN ANSI	DIN ANSI
6H	6H
2.5XD	2.5XD
HSS-E PM	HSS-E PM
B 3.5-5	B 3.5-5
M3 – M24	M8 – M14



SHARK LINE



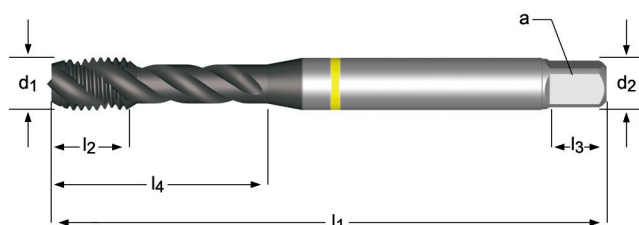
DIN ANSI Machine Tap, Yellow for Low Alloy Steels

E808 Designed for blind hole tapping in low Alloy Steel applications. Premium HSCo Powder Metal substrate with TiAlN-Top Coating combined with a special 40° Spiral Flute geometry prevents nesting and reduces the risk of re-cutting chips on reversal allowing taps to operate at higher speeds while providing improved thread quality.

E908

■ **1.1 1.2 1.3 6.1 6.3**

● **1.4 1.5 6.2**



Pack Qty = 1 pc

UNC	UNF	TPI	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E808	E908
			Inch	Inch	Inch	Inch	a	Inch						
4		40	2.205	0.256	0.709	0.141	0.108	0.236	3	2.35	N43	H2	7350510	
6		32	2.205	0.256	0.787	0.141	0.108	0.190	3	2.85	N36	H2	7350511	
8		32	2.480	0.276	0.827	0.168	0.129	0.250	3	3.50	N29	H3	7350512	
10		24	2.756	0.315	1.102	0.194	0.150	0.250	3	3.90	N25	H3	7350513	
	10	32	2.756	0.315	1.102	0.194	0.150	0.250	3	4.10	N21	H3		7350523
1/4		20	3.150	0.394	0.984	0.255	0.189	0.310	3	5.10	N7	H5	7350514	
	1/4	28	3.150	0.394	0.984	0.255	0.189	0.310	3	5.50	N3	H4		7350524
5/16		18	3.543	0.472	1.339	0.318	0.236	0.380	3	6.60	F	H5	7350515	
	5/16	24	3.543	0.472	1.339	0.318	0.236	0.380	3	6.90	I	H4		7350525
3/8		16	3.937	0.591	1.535	0.381	0.284	0.440	3	8.00	5/16	H4	7350516	
	3/8	24	3.543	0.591	1.476	0.381	0.284	0.440	3	8.50	Q	H4		7350526
7/16		14	3.937	0.591	–	0.323	0.240	0.410	3	9.40	U	H5	7350517	
	7/16	20	3.937	0.591	–	0.323	0.240	0.410	3	9.90	25/64	H5		7350527
1/2		13	4.331	0.709	–	0.367	0.273	0.440	3	10.80	27/64	H5	7350518	
	1/2	20	3.937	0.709	–	0.367	0.273	0.440	3	11.50	29/64	H5		7350528
5/8		11	4.331	0.787	–	0.480	0.358	0.560	4	13.50	17/32	H5	7350519	
	5/8	18	3.937	0.591	–	0.480	0.358	0.560	4	14.50	37/64	H5		7350529
3/4		10	4.921	0.984	–	0.590	0.439	0.690	4	16.50	21/32	H5	7350520	
	3/4	16	4.331	0.984	–	0.590	0.439	0.690	4	17.50	11/16	H5		7350530
7/8		9	5.512	0.984	–	0.697	0.520	0.750	4	19.50	49/64	H6	7350521	
	7/8	14	4.921	0.984	–	0.697	0.520	0.750	4	20.40	13/16	H6		7350531
1"		8	6.299	1.181	–	0.800	0.597	0.810	4	22.25	7/8	H6	7350522	

Note: Sizes up to 3/8" have male centers on both ends • Sizes over 3/8" have female centers on both ends

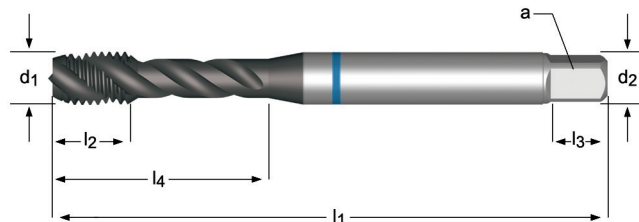
E808	E908
UNC	UNF
DIN ANSI	DIN ANSI
2B	2B
2XD	2XD
HSS-E PM	HSS-E PM
C 2-3	C 2-3
No.4 – 1"	No.10 – 1"

DIN ANSI Machine Tap, Blue Shark for Stainless Steel

E812 Designed for superior performance blind hole tapping in a wide range of Stainless Steel types. Premium HSCo Powder Metal substrate with Super-B (TiAlN+WC/C) Coating combined with an additional edge treatment and a 40° Flute angle facilitates better chip evacuation offering improved thread quality and longer tool life. Available in both 2B and 3B Class of Fit to cover a wide range of applications.

■ **2.1 2.2 2.3**

● **1.2 1.3 1.4 1.5**



E812	E912
UNC	UNF
DIN ANSI	DIN ANSI
2B 3B	2B 3B
HSS-E PM	HSS-E PM
C 2-3	C 2-3
No.4-1"	No.10-1"

Pack Qty = 1 pc

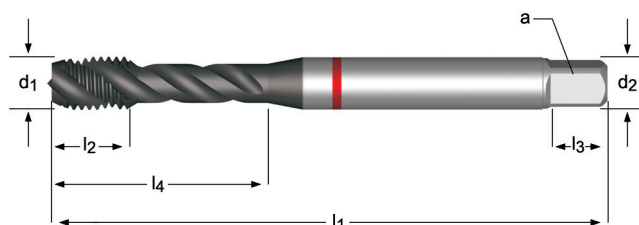
UNC	UNF	TPI	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E812	E912
			Inch	Inch	Inch	Inch	Inch	Inch						
4		40	2.205	0.256	0.709	0.141	0.108	0.236	3	2.35	N43	H2	7350335	
6		32	2.205	0.256	0.787	0.141	0.108	0.190	3	2.80	N36	H3	7350336	
8		32	2.480	0.276	0.827	0.168	0.129	0.250	3	3.50	N29	H3	7350337	
10		24	2.756	0.315	1.102	0.194	0.150	0.250	3	3.90	N25	H3	7350338	
	10	32	2.756	0.315	1.102	0.194	0.150	0.250	3	4.10	N21	H3		7350356
1/4		20	3.150	0.394	0.984	0.255	0.189	0.310	3	5.10	N7	H5	7350339	
1/4		20	3.150	0.394	0.984	0.255	0.189	0.310	3	5.10	N7	H3	7350340	
	1/4	28	3.150	0.394	0.984	0.255	0.189	0.310	3	5.50	N3	H5		7350357
	1/4	28	3.150	0.394	0.984	0.255	0.189	0.310	3	5.50	N3	H3		7350358
5/16		18	3.543	0.472	1.339	0.318	0.236	0.380	3	6.60	F	H5	7350341	
5/16		18	3.543	0.472	1.339	0.318	0.236	0.380	3	6.60	F	H3	7350342	
	5/16	24	3.543	0.472	1.339	0.318	0.236	0.380	3	6.90	I	H4		7350359
	5/16	24	3.543	0.472	1.339	0.318	0.236	0.380	3	6.90	I	H3		7350360
3/8		16	3.937	0.591	1.535	0.381	0.284	0.440	3	8.00	5/16	H5	7350343	
3/8		16	3.937	0.591	1.535	0.381	0.284	0.440	3	8.00	5/16	H3	7350344	
	3/8	24	3.543	0.591	1.476	0.318	0.284	0.440	3	8.50	Q	H4		7350361
	3/8	24	3.543	0.591	1.476	0.318	0.284	0.440	3	8.50	Q	H3		7350362
7/16		14	3.937	0.591	—	0.323	0.240	0.410	4	9.40	U	H5	7350345	
	7/16	20	3.937	0.591	—	0.323	0.240	0.410	4	9.90	25/64	H5		7350363
1/2		13	4.331	0.709	—	0.367	0.273	0.440	4	10.70	27/64	H5	7350346	
1/2		13	4.331	0.709	—	0.367	0.273	0.440	4	10.70	27/64	H3	7350347	
	1/2	20	3.937	0.709	—	0.367	0.273	0.440	4	11.50	29/64	H5		7350364
	1/2	20	3.937	0.709	—	0.367	0.273	0.440	4	11.50	29/64	H3		7350365
5/8		11	4.331	0.787	—	0.480	0.358	0.560	4	13.50	17/32	H5	7350348	
5/8		11	4.331	0.787	—	0.480	0.358	0.560	4	13.50	17/32	H3	7350349	
	5/8	18	3.937	0.591	—	0.480	0.358	0.560	4	14.50	37/64	H5		7350366
	5/8	18	3.937	0.591	—	0.480	0.358	0.560	4	14.50	37/64	H3		7350367
3/4		10	4.921	0.984	—	0.590	0.439	0.690	4	16.50	21/32	H5	7350350	
3/4		10	4.921	0.984	—	0.590	0.439	0.690	4	16.50	21/32	H3	7350351	
	3/4	16	4.331	0.984	—	0.590	0.439	0.690	4	17.50	11/16	H5		7350368
	3/4	16	4.331	0.984	—	0.590	0.439	0.690	4	17.50	11/16	H3		7350369
7/8		9	5.512	0.984	—	0.697	0.520	0.750	4	19.50	49/64	H6	7350352	
7/8		9	5.512	0.984	—	0.697	0.520	0.750	4	19.50	49/64	H4	7350353	
	7/8	14	4.921	0.984	—	0.697	0.520	0.750	4	20.40	13/16	H6		7350370
	7/8	14	4.921	0.984	—	0.697	0.520	0.750	4	20.40	13/16	H4		7350371
1"		8	6.299	1.181	—	0.800	0.597	0.810	4	22.25	7/8	H6	7350354	
1"		8	6.299	1.181	—	0.800	0.597	0.810	4	22.25	7/8	H4	7350355	
	1"	12	5.512	1.063	—	0.800	0.597	0.810	4	23.25	59/64	H6		7350372
	1"	12	5.512	1.063	—	0.800	0.597	0.810	4	23.25	59/64	H4		7350373

Note: Sizes up to 3/8" have male centers on both ends • Sizes over 3/8" have female centers on both ends

DIN ANSI Machine Tap, Red Shark for Alloy Steels

E810 Designed for high performance blind hole tapping in most medium Alloy Steels.
E910 The TiAlN-Top Coating combined with a special 45° Flute Geometry and an additional edge treatment provides excellent performance and consistency in high production applications. The back taper built into this design further facilitates chip evacuation and reduces torque when the tap reverses. It is recommended to use a toolholder with minimal float or soft start.

- 1.4 1.5
- 1.6 4.2 5.2



Pack Qty = 1 pc

UNC	UNF	TPI	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E810	E910
			Inch	Inch	Inch	Inch	Inch	Inch						
4		40	2.205	0.256	0.709	0.141	0.108	0.236	3	2.35	N43	H2	7350430	
6		32	2.205	0.256	0.787	0.141	0.108	0.190	3	2.85	N36	H2	7350431	
8		32	2.480	0.276	0.827	0.168	0.129	0.250	3	3.50	N29	H3	7350432	
10		24	2.756	0.315	1.102	0.194	0.150	0.250	3	3.90	N25	H3	7350433	
	10	32	2.756	0.315	1.102	0.194	0.150	0.250	3	4.10	N21	H3		7350443
1/4		20	3.150	0.394	0.984	0.255	0.189	0.310	3	5.10	N7	H5	7350434	
	1/4	28	3.150	0.394	0.984	0.255	0.189	0.310	3	5.50	N3	H4		7350444
5/16		18	3.543	0.472	1.339	0.318	0.236	0.380	3	6.60	F	H5	7350435	
	5/16	24	3.543	0.472	1.339	0.318	0.236	0.380	3	6.9	I	H4		7350445
3/8		16	3.937	0.591	1.535	0.381	0.284	0.440	3	8.00	5/16	H4	7350436	
	3/8	24	3.543	0.591	1.476	0.381	0.284	0.440	3	8.50	Q	H4		7350446
7/16		14	3.937	0.591	—	0.323	0.240	0.410	3	9.40	U	H5	7350437	
	7/16	20	3.937	0.591	—	0.323	0.240	0.410	3	9.90	25/64	H5		7350447
1/2		13	4.331	0.709	—	0.367	0.273	0.440	3	10.80	27/64	H5	7350438	
	1/2	20	3.937	0.709	—	0.367	0.273	0.440	3	11.50	29/64	H5		7350448
5/8		11	4.331	0.787	—	0.480	0.358	0.560	4	13.50	17/32	H5	7350439	
	5/8	18	3.937	0.591	—	0.480	0.358	0.560	4	14.50	37/64	H5		7350449
3/4		10	4.921	0.984	—	0.590	0.439	0.690	4	16.50	21/32	H5	7350440	
	3/4	16	4.331	0.984	—	0.590	0.439	0.690	4	17.50	11/16	H5		7350450
7/8		9	5.512	0.984	—	0.697	0.520	0.750	4	19.50	49/64	H6	7350441	
	7/8	14	4.921	0.984	—	0.697	0.520	0.750	4	20.40	13/16	H6		7350451
1"		8	6.299	1.181	—	0.800	0.597	0.810	4	22.25	7/8	H6	7350442	
	1"	12	5.512	1.063	—	0.800	0.597	0.810	4	23.25	59/64	H6		7350452

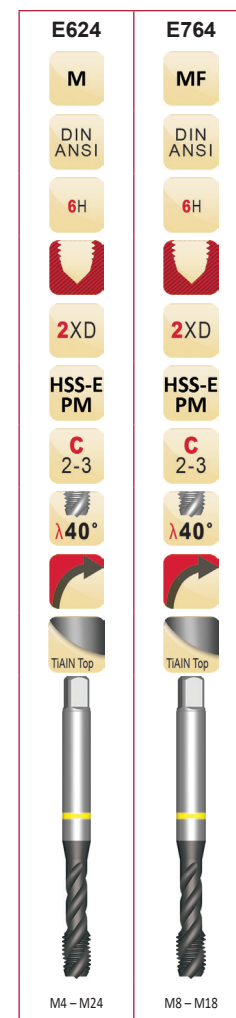
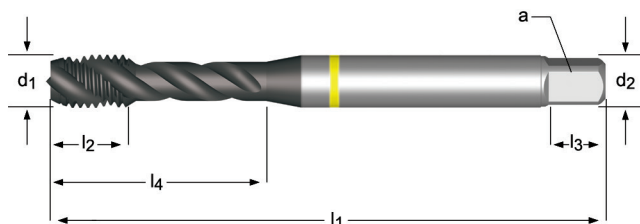
Note: Sizes up to 3/8" have male centers on both ends • Sizes over 3/8" have female centers on both ends

E810	E910
UNC	UNF
DIN ANSI	DIN ANSI
2B	2B
2.5XD	2.5XD
HSS-E PM	HSS-E PM
C 2-3	C 2-3
λ45°	λ45°
TiAlN Top	TiAlN Top
No.4-1"	No.10-1"

DIN ANSI Machine Tap, Yellow for Low Alloy Steels

E624 Designed for blind hole tapping in low Alloy Steel applications. Premium
E764 HSCo Powder Metal substrate with TiAlN-Top Coating combined with a special 40° Spiral Flute geometry prevents nesting and reduces the risk of re-cutting chips on reversal allowing taps to operate at higher speeds while providing improved thread quality.

- 1.1 1.2 1.3 6.1 6.3
- 1.4 1.5 6.2



Pack Qty = 1 pc

M	MF	P	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E624	E764
		mm	mm	mm	mm	Inch	Inch	mm						
4		0.70	63	7	21	0.168	0.129	6	3	3.30	N30	D4	7350533	
5		0.80	70	8	25	0.194	0.150	6	3	4.20	N19	D4	7350534	
6		1.00	80	10	30	0.255	0.189	8	3	5.00	N9	D5	7350535	
	8	1.00	90	13	35	0.318	0.236	10	3	7.00	J	D5		7350544
8		1.25	90	13	35	0.318	0.236	10	3	6.80	H	D5	7350536	
	10	1.25	100	15	39	0.381	0.284	11	3	8.80	11/32	D6		7350545
10		1.50	100	15	39	0.381	0.284	11	3	8.50	Q	D6	7350537	
	12	1.25	100	15	—	0.367	0.273	11	3	10.80	27/64	D6		7350546
	12	1.50	100	15	—	0.367	0.273	11	3	10.50	Z	D6		7350547
12		1.75	110	18	—	0.367	0.273	11	3	10.30	Y	D6	7350538	
	14	1.50	100	15	—	0.429	0.320	13	3	12.50	31/64	D7		7350548
14		2.00	110	20	—	0.429	0.320	13	3	12.00	15/32	D7	7350539	
	16	1.50	100	15	—	0.480	0.358	14	4	14.50	9/16	D7		7350549
16		2.00	110	20	—	0.480	0.358	14	4	14.00	35/64	D7	7350540	
	18	1.50	110	17	—	0.542	0.404	16	4	16.50	41/64	D7		7350550
18		2.50	125	25	—	0.542	0.404	16	4	15.50	39/64	D7	7350541	
20		2.50	140	25	—	0.652	0.487	18	4	17.50	11/16	D7	7350542	
24		3.00	160	30	—	0.760	0.567	19	4	21.00	53/64	D8	7350543	

Note: Sizes up to M10 have male centers on both ends • Sizes over M10 have female centers on both ends

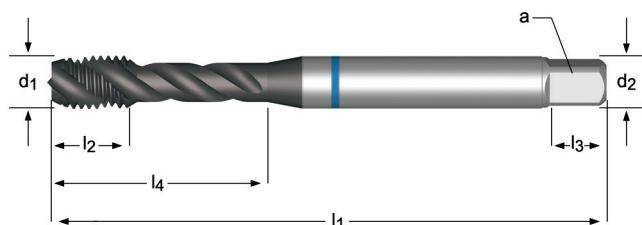
DIN ANSI Machine Tap, Blue Shark for Stainless Steel

E628 Designed for superior performance blind hole tapping in a wide range of Stainless Steel types. Premium HSCo Powder Metal substrate with Super-B (TiAlN+WC/C) Coating combined with an additional edge treatment and a 40° Flute angle facilitates better chip evacuation offering improved thread quality and longer tool life. Available in both 2B and 3B Class of Fit to cover a wide range of applications.

E768

■ **2.1 2.2 2.3**

● **1.2 1.3 1.4 1.5**



Pack Qty = 1 pc

M	MF	P	l_1	l_2	l_4	d_2	$\square$	l_3	No. of flutes			Limits	E628	E768
		mm	mm	mm	mm	Inch	Inch	mm						
4		0.70	63	7	21	0.168	0.129	6	3	3.30	N30	D4	7350374	
5		0.80	70	8	25	0.194	0.150	6	3	4.20	N19	D4	7350375	
6		1.00	80	10	30	0.255	0.189	8	3	5.00	N9	D5	7350376	
	8	1.00	90	13	35	0.318	0.236	10	3	7.00	J	D5		7350385
8		1.25	90	13	35	0.318	0.236	10	3	6.80	H	D5	7350377	
	10	1.25	100	15	39	0.381	0.284	11	3	8.80	11/32	D6		7350386
10		1.50	100	15	39	0.381	0.284	11	3	8.50	Q	D6	7350378	
	12	1.50	100	15	—	0.367	0.273	11	4	10.50	Z	D6		7350387
12		1.75	110	18	—	0.367	0.273	11	4	10.30	Y	D6	7350379	
	14	1.50	100	15	—	0.429	0.320	13	4	12.50	31/64	D7		7350388
14		2.00	110	20	—	0.429	0.320	13	4	12.00	15/32	D7	7350380	
	16	1.50	100	15	—	0.480	0.358	14	4	14.50	9/16	D7		7350389
16		2.00	110	20	—	0.480	0.358	14	4	14.00	35/64	D7	7350381	
	18	1.50	110	17	—	0.542	0.404	16	4	16.50	41/64	D7		7350390
18		2.50	125	25	—	0.542	0.404	16	4	15.50	39/64	D7	7350382	
20		2.50	140	25	—	0.652	0.487	18	4	17.50	11/16	D7	7350383	
24		3.00	160	30	—	0.760	0.567	19	4	21.00	53/64	D8	7350384	

Note: Sizes up to M10 have male centers on both ends • Sizes over M10 have female centers on both ends

E628

M

DIN ANSI

6H



2.5XD

HSS-E PM

C 2-3

$\lambda 40^\circ$



TiAlN Top



M4 – M24

E768

MF

DIN ANSI

6H



2.5XD

HSS-E PM

C 2-3

$\lambda 40^\circ$



TiAlN Top

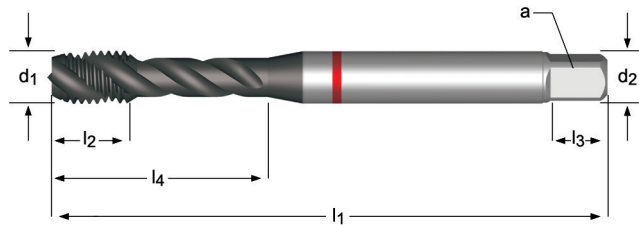


M8 – M18

DIN ANSI Machine Tap, Red Shark for Alloy Steels

E626 Designed for high performance blind hole tapping in most medium Alloy Steels.
E766 The TiAlN-Top Coating combined with a special 45° Flute Geometry and an additional edge treatment provides excellent performance and consistency in high production applications. The back taper built into this design further facilitates chip evacuation and reduces torque when the tap reverses. It is recommended to use a toolholder with minimal float or soft start.

- 1.4 1.5
- 1.6 4.2 5.2



E626

M

DIN
ANSI

6H



2.5XD

HSS-E
PM

C
2-3

λ 45°



TiAlN Top



M3 – M24

E766

MF

DIN
ANSI

6H



2.5XD

HSS-E
PM

C
2-3

λ 45°



TiAlN Top



M8 – M14

Pack Qty = 1 pc

M	MF	P mm	l_1 mm	l_2 mm	l_4 mm	d_2 Ø Inch	$\square$ a Inch	l_3 mm	No. of flutes			Limits	E626	E766
3		0.50	56	6	18	0.141	0.108	5	3	2.50	N40	D3	7350453	
4		0.70	63	7	21	0.168	0.129	6	3	3.30	N30	D4	7350454	
5		0.80	70	8	25	0.194	0.150	6	3	4.20	N19	D4	7350455	
6		1.00	80	10	30	0.255	0.189	8	3	5.00	N9	D5	7350456	
	8	1.00	90	13	35	0.318	0.236	10	3	7.00	J	D5		7350465
8		1.25	90	13	35	0.318	0.236	10	3	6.80	H	D5	7350457	
	10	1.25	100	15	39	0.381	0.284	11	3	8.80	11/32	D6		7350466
10		1.50	100	15	39	0.381	0.284	11	3	8.50	Q	D6	7350458	
	12	1.25	100	15	–	0.367	0.273	11	3	10.80	27/64	D6		7350467
12		1.75	110	18	–	0.367	0.273	11	3	10.30	Y	D6	7350459	
	14	1.50	100	15	–	0.429	0.320	13	3	12.50	31/64	D7		7350468
14		2.00	110	20	–	0.429	0.320	13	3	12.00	15/32	D7	7350460	
16		2.00	110	20	–	0.480	0.358	14	4	14.00	35/64	D7	7350461	
18		2.50	125	25	–	0.542	0.404	16	4	15.50	39/64	D7	7350462	
20		2.50	140	25	–	0.652	0.487	18	4	17.50	11/16	D7	7350463	
24		3.00	160	30	–	0.760	0.567	19	4	21.00	53/64	D8	7350464	

Note: Sizes up to M10 have male centers on both ends • Sizes over M10 have female centers on both ends

Icon descriptions

Thread form	 Unified Coarse	 Unified Fine	 Metric coarse	 Metric fine	
Standard					
Tolerance					
Hole Type	 Through hole	 Blind hole	 Through or blind hole		
Depth					
Material	 High Speed Cobalt Powder Metallurgy Steel				
Chamfer	 Plug chamfer	 Semi - bottoming	 Full - bottoming		
Flute Geometry	 Straight Flute	 Spiral Point	 40°	 45°	
Direction	 Right				
Coating	 Titanium Aluminium Nitride - Top	 Titanium Aluminium Nitride + Tungsten Carbide Carbon			
Coolant	 Internal Coolant (Axial)				
Rating	 Excellent	 Good			

SIMPLY RELIABLE

As a professional you can judge the quality of work by just looking at the chip. Our chip is a clean and uncomplicated shape that in itself tells a story. It is a clear and consistent signal and that's why we use it as a symbol for being **simply reliable**.

Argentina

T: 54 (11) 6777-6777
F: 54 (11) 4441-4467
dormer.ar@dormerpramet.com

Australia

T: 1300 131 274
F: +61 3 9238 7105
dormer.int@dormerpramet.com

Brazil

responsible for **Bolivia, Panama, Chile, Paraguay, Colombia, Peru, Costa Rica, Uruguay, Ecuador, Venezuela, Guatemala**
T: +55 11 5660 3000
F: +55 11 5667 5883
dormer.br@dormerpramet.com

Canada

T: (888) 336 7637
En Français: (888) 368 8457
F: (905) 542 7000
cs.canada@dormerpramet.com

Czech Republic

responsible for **Export CEE, Romania, Macedonia, Slovenia, Serbia, Ukraine, Bosnia-Herzegovina, Croatia, Belarus, Montenegro, Bulgaria**
info.row@dormerpramet.com
T: +420 583 381 111
F: +420 583 215 401
info.cz@pramet.com

Denmark

T: +45 43 46 52 80
F: +45 43 46 52 81
info.se@dormerpramet.com
Kundetjeneste
T: direkt 808 82106
F: direkt +46 35 16 52 90
Finland
T: +358 205 44 121
F: +358 205 44 5199
Asiakaspalvelu
T: suora 0205 44 7003
F: suora 0205 44 7004
info.fi@dormerpramet.com

France

T: +33 (0)2 47 62 57 01
F: +33 (0)2 47 62 52 00
serviceclient.fr@dormerpramet.com

Germany

T: +49 9131 933 08 70
F: +49 9131 933 08 742
info.de@dormerpramet.com

Hungary

T: +36-96 / 522-846
F: +36-96 / 522-847
info.hu@dormerpramet.com

China

T: +86 21 24160508
F: +86 54426315
dormer.cn@dormerpramet.com

India

T: +91 124 470 3825
dormer.in@dormerpramet.com

Italy

solid tools:
T: +39 02 38 04 51
F: +39 02 38 04 52 43
dormer.it@dormerpramet.com
indexable tools:
T: +39 0523 55 19 11
F: +39 0523 55 18 00
info@impero-tools.com

Netherlands

T: +31 10 2080 240
F: +31 10 2080 282
dormer.nl@dormerpramet.com
responsible for **Austria**
T: +31 10 2080 212
F: +31 10 2080 282
dormer.at@dormerpramet.com
responsible for **Belgium**
T: +32 3 440 59 01
F: +32 3 449 15 43
dormer.be@dormerpramet.com
responsible for **Switzerland**
T: +31 10 2080 212
F: +31 10 2080 282
dormer.ch@dormerpramet.com

New Zealand

T: +64 9 2735858
F: +64 9 2735857
dormer.int@dormerpramet.com

Norway

T: +47 67 17 56 00
F: +47 66 85 96 10
info.se@dormerpramet.com
Kundeservice
T: direkt 800 10 113
F: direkt +46 35 16 52 90

Poland

T: +48 32 78-15-890
F: +48 32 78-60-406
info.pl@dormerpramet.com

Russia

T: +7 495 775 10 28
info.ru@dormerpramet.com

Slovakia

T: +421 417 645 659
F: +421 417 637 449
info.sk@dormerpramet.com

Spain

T: +34 935717722
F: +34 935717765
info.safety-iberica@safety-cuttingtools.com
responsible for **Portugal**
T: +351 21 424 54 21
F: +351 21 424 54 25

Sweden

responsible for **Iceland**
T: +46 (0) 35 16 52 00
F: +46 (0) 35 16 52 90
info.se@dormerpramet.com
Kundservice
T: direkt +46 35 16 52 96
F: direkt +46 35 16 52 90

United Kingdom

responsible for **Ireland**
T: 0870 850 4466
F: 0870 850 8866
dormer.uk@dormerpramet.com

United States of America

responsible for **Mexico**
T: (800) 877-3745
F: (847) 783-5760
cs@dormerpramet.com

Rest of the World

Dormer Pramet International UK
T: +44 1246 571338
F: +44 1246 571339
dormer.int@dormerpramet.com

Dormer Pramet International CZ

T: +420 583 381 520
F: +420 583 215 401
info.row@dormerpramet.com

EDP# 7473351

