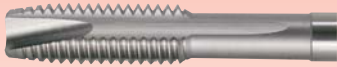


“NEW” Spiral Pointed Working-Taps

For Unified threads

WT-SPPT



Vanadium High Speed Steel Taps
 YMW New WT-SPPT taps are designed to tap steels and ferrous materials that produce stringy chips. They are also ideal for brass, plastics in through hole applications.
 Necked design enhances flow of cutting fluid to cutting teeth and reduces surface contact between the tool and workpiece for more efficient threading.

*1 See blank type on page 97.

“NEW” Spiral Pointed Working-Taps

For Unified threads

WT-SPPT



Vanadium High Speed Steel Taps
 YMW New WT-SPPT taps are designed to tap steels and ferrous materials that produce stringy chips. They are also ideal for brass, plastics in through hole applications.
 Necked design enhances flow of cutting fluid to cutting teeth and reduces surface contact between the tool and workpiece for more efficient threading.

*1 See blank type on page 97.

*5 "X" of code No. stands for Oxide surface treatment.

Unit : inch

Size	Class of fit	Chamfer	Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
No.2 - 56UNC	2B	5P	WTP2UN2E	1.75	0.256	0.141	2	
No.4 - 40UNC	2B	5P	WTP2UN4H	1.88	0.335	0.141	2	
No.6 - 32UNC	2B	5P	WTP2UN6J	2	0.413	0.141	2	
No.8 - 32UNC	2B	5P	WTP2UN8J	2.13	0.453	0.168	2	
No.10 - 24UNC	2B	5P	WTP2UNAM	2.38	0.531	0.194	2	
No.10 - 32UNF	2B	5P	WTP2UNAJ	2.38	0.531	0.194	2	
1/4 - 20UNC	2B	5P	WTP2U04N	2.5	0.591	0.255	3	
1/4 - 28UNF	2B	5P	WTP2U04K	2.5	0.591	0.255	3	
5/16 - 18UNC	2B	5P	WTP2U05O	2.72	0.669	0.318	3	
5/16 - 24UNF	2B	5P	WTP2U05M	2.72	0.669	0.318	3	
3/8 - 16UNC	2B	5P	WTP2U06P	2.94	0.748	0.381	3	
3/8 - 24UNF	2B	5P	WTP2U06M	2.94	0.748	0.381	3	
7/16 - 14UNC	2B	5P	WTP2U07Q	3.16	0.866	0.323	3	
7/16 - 20UNF	2B	5P	WTP2U07N	3.16	0.866	0.323	3	
1/2 - 13UNC	2B	5P	WTP2U08R	3.38	0.984	0.367	3	
1/2 - 20UNF	2B	5P	WTP2U08N	3.38	0.984	0.367	3	
9/16 - 12UNC	2B	5P	WTP2U09S	3.59	0.984	0.429	3	
9/16 - 18UNF	2B	5P	WTP2U09O	3.59	0.984	0.429	3	
5/8 - 11UNC	2B	5P	WTP2U10U	3.81	1.083	0.48	3	
5/8 - 18UNF	2B	5P	WTP2U10O	3.81	1.083	0.48	3	
3/4 - 10UNC	2B	5P	WTP2U12V	4.25	1.201	0.59	3	
3/4 - 16UNF	2B	5P	WTP2U12P	4.25	1.201	0.59	3	

Uc

Unit : inch

Size	Class of fit	Chamfer	*5 Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
No.2 - 56UNC	2B	5P	WTP2UN2EX	1.75	0.256	0.141	2	
No.4 - 40UNC	2B	5P	WTP2UN4HX	1.88	0.335	0.141	2	
No.6 - 32UNC	2B	5P	WTP2UN6JX	2	0.413	0.141	2	
No.8 - 32UNC	2B	5P	WTP2UN8JX	2.13	0.453	0.168	2	
No.10 - 24UNC	2B	5P	WTP2UNAMX	2.38	0.531	0.194	2	
No.10 - 32UNF	2B	5P	WTP2UNAJX	2.38	0.531	0.194	2	
1/4 - 20UNC	2B	5P	WTP2U04NX	2.5	0.591	0.255	3	
1/4 - 28UNF	2B	5P	WTP2U04KX	2.5	0.591	0.255	3	
5/16 - 18UNC	2B	5P	WTP2U05OX	2.72	0.669	0.318	3	
5/16 - 24UNF	2B	5P	WTP2U05MX	2.72	0.669	0.318	3	
3/8 - 16UNC	2B	5P	WTP2U06PX	2.94	0.748	0.381	3	
3/8 - 24UNF	2B	5P	WTP2U06MX	2.94	0.748	0.381	3	
7/16 - 14UNC	2B	5P	WTP2U07QX	3.16	0.866	0.323	3	
7/16 - 20UNF	2B	5P	WTP2U07NX	3.16	0.866	0.323	3	
1/2 - 13UNC	2B	5P	WTP2U08RX	3.38	0.984	0.367	3	
1/2 - 20UNF	2B	5P	WTP2U08NX	3.38	0.984	0.367	3	
9/16 - 12UNC	2B	5P	WTP2U09SX	3.59	0.984	0.429	3	
9/16 - 18UNF	2B	5P	WTP2U09OX	3.59	0.984	0.429	3	
5/8 - 11UNC	2B	5P	WTP2U10UX	3.81	1.083	0.48	3	
5/8 - 18UNF	2B	5P	WTP2U10OX	3.81	1.083	0.48	3	
3/4 - 10UNC	2B	5P	WTP2U12VX	4.25	1.201	0.59	3	
3/4 - 16UNF	2B	5P	WTP2U12PX	4.25	1.201	0.59	3	

Uc

Spiral Pointed Taps for Stainless Steels

For Unified and Metric threads

ZELX SS



Custom Blended Vanadium High Speed Steel Taps For Stainless Steels, Alloy Steels and Ductile Irons. ZELX SS taps are suitable for UNJ Aerospace internal threading applications.

*1 See blank type on page 97.
 *2 "BR" of code No. stands for Bright finish taps
 *3 "TIN" of code No. stands for Titanium Nitride coating taps

Unit : inch

Size	Class	Chamfer	*2 *3 Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
No.2 - 56UNC	H2	5P	Y82623	1.75	0.256	0.141	2	Uc
			Y82923TIN					
No.3 - 48UNC	H2	5P	Y82600	1.81	0.295	0.141	2	
No.4 - 40UNC	H2	5P	Y82601	1.88	0.335	0.141	2	Uc
			Y82601BR					
			Y82901TIN					
	H3	5P	Y82602					
			Y82612					
	H4	5P	Y82612BR					
Y82634								
H5	5P	Y82634BR						
No.4 - 48UNF	H2	5P	Y82683	1.88	0.335	0.141	2	
No.5 - 40UNC	H2	5P	Y82603	1.94	0.374	0.141	3	
			Y82903TIN					
No.6 - 32UNC	H2	5P	Y82604	2	0.413	0.141	3	Uc
			Y82605					
	H3	5P	Y82905TIN					
			Y82608					
	H4	5P	Y82608BR					
			Y82635					
	H5	5P	Y82635BR					
Y82659								
H6	5P	Y82665						
No.6 - 40UNF	H2	5P	Y82684	2	0.413	0.141	3	
			Y82642					
No.8 - 32UNC	H2	5P	Y82606	2.13	0.453	0.168	3	Uc
			Y82607					
			Y82607BR					
	H3	5P	Y82907TIN					
			Y82629					
	H4	5P	Y82629BR					
Y82637								
H5	5P	Y82637BR						

Overall length	Length of thread part	Length of chamfer part	Shank diameter
L	ℓ	ℓ _c	D _s

Unit : inch

Size	Class	Chamfer	*2 *3 Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
No.8 - 32UNC	H6	5P	Y82660	2.13	0.453	0.168	3	Uc
	H7	5P	Y82667					
No.8 - 36UNF	H2	5P	Y82686	2.13	0.453	0.168	3	
No.10 - 24UNC	H3	5P	Y82609	2.38	0.531	0.194	3	Uc
			Y82609BR					
			Y82909TIN					
	H5	5P	Y82639					
	H6	5P	Y82690					
H7	5P	Y82669						
No.10 - 32UNF	H2	5P	Y82611	2.38	0.531	0.194	3	Uc
			Y82610					
			Y82610BR					
	H3	5P	Y82910TIN					
			Y82630					
	H4	5P	Y82630BR					
			Y82640					
H5	5P	Y82640BR						
		Y82661						
H6	5P	Y82661BR						
		Y82670						
H7	5P	Y82670BR						
No.12 - 24UNC	H3	5P	Y82688	2.38	0.571	0.22	3	
No.12 - 28UNF	H3	5P	Y82689	2.38	0.571	0.22	3	
1/4 - 20UNC	H3	5P	Y82613	2.5	0.591	0.255	3	Uc
			Y82613BR					
			Y82913TIN					
	H5	5P	Y82643					
			Y82643BR					
H6	5P	Y82590						
		Y82673						
1/4 - 28UNF	H3	5P	Y82614	2.5	0.591	0.255	3	Uc
			Y82614BR					
			Y82914TIN					
	H4	5P	Y82631					
			Y82631BR					
	H5	5P	Y82644					
			Y82644BR					
H6	5P	Y82662						
		Y82662BR						
H7	5P	Y82674						
		Y82674BR						
5/16 - 18UNC	H3	5P	Y82615	2.72	0.669	0.318	3	Uc
			Y82615BR					
	H5	5P	Y82915TIN					
			Y82645					
H7	5P	Y82675						

U.S.A. Taps & Dies Line up

Spiral Pointed Taps

ZELX SS Spiral Pointed Taps for Stainless Steels
For Unified and Metric threads

Overall length	Length of thread part	Length of chamfer part	Shank diameter
<i>L</i>	<i>ℓ</i>	<i>ℓ_C</i>	<i>D_S</i>

Unit : inch

Unit : inch

Size	Class	Chamfer	*2 *3 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_S</i>	Number of flutes	*1 Blank type
5/16 - 24UNF	H3	5P	Y82616	2.72	0.669	0.318	3	Uc
			Y82616BR					
			Y82916TiN					
	H4	5P	Y82632					
			Y82646					
	H5	5P	Y82646BR					
			Y82663					
	H6	5P	Y82663BR					
			Y82676					
	H7	5P	Y82676BR					
			Y82617					
	3/8 - 16UNC	H3	5P					
Y82617BR								
Y82917TiN								
H5		5P	Y82647					
			Y82647BR					
H7		5P	Y82668					
	Y82618							
3/8 - 24UNF	H3	5P	Y82618	2.94	0.748	0.381	3	Uc
			Y82618BR					
			Y82918TiN					
	H4	5P	Y82633					
			Y82633BR					
	H5	5P	Y82648					
			Y82664					
	H6	5P	Y82664BR					
			Y82678					
H7	5P	Y82678BR						
		Y82619						
7/16 - 14UNC	H3	5P	Y82619	3.16	0.866	0.323	3	Uc
			Y82919TiN					
	H5	5P	Y82649					
7/16 - 20UNF	H3	5P	Y82620	3.16	0.866	0.323	3	Uc
			Y82920TiN					
	H5	5P	Y82650					
			Y82650BR					
	H6	5P	Y82691					
			Y82691BR					
H7	5P	Y82680						
1/2 - 13UNC	H3	5P	Y82621	3.38	0.984	0.367	3	Uc
			Y82921TiN					
	H5	5P	Y82651					
			Y82651BR					
	H7	5P	Y82681					
Y82681BR								
1/2 - 20UNF	H3	5P	Y82622	3.38	0.984	0.367	3	Uc
			Y82622BR					
			Y82922TiN					
	H5	5P	Y82652					
			Y82652BR					
	Y82692	5P	Y82692					
Y82922TiN								
H6	5P	Y82696						
		Y82996TiN						
H7	5P	Y82699						
		Y82695						
H4	5P	Y82695						
		Y82995TiN						
H4	5P	Y82679	5.13	1.496	0.8	3	Uc	
		Y82697						
H4	5P	Y82697						
		Y82997TiN						
H5	5P	Y82701	5.44	1.535	0.896	4	Uc	
		Y82700						
H6	5P	Y82700						
		Y82703						
H5	5P	Y82703						
		Y82702						
H6	5P	Y82702						
		Y82706						
H5	5P	Y82706						
		Y82706						

U.S.A. Taps & Dies Line up

Spiral Pointed Taps

ZELX SS Spiral Pointed Taps for Stainless Steels
For Unified and Metric threads

Unit : inch

Size	Class	Chamfer	Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
1"3/8 - 6UNC	H6	5P	Y82705	6.06	1.811	1.108	4	Uc
1"1/2 - 12UNF	H5	5P	Y82708	6.38	1.811	1.233	4	
1"1/2 - 6UNC	H6	5P	Y82707	6.38	1.811	1.233	4	
1"3/4 - 5UNC	H7	5P	Y82709	7	1.929	1.43	4	
2 - 4.5UNC	H7	5P	Y82710	7.63	1.929	1.644	4	

For Metric threads

Size	Class	Chamfer	*3 Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
M3 X 0.5	D3	5P	Y72615	1.94	0.374	0.141	3	Uc
			Y72915TiN					
M3.5 X 0.6	D4	5P	Y72616	2	0.413	0.141	3	Uc
M4 X 0.7	D4	5P	Y72617	2.13	0.453	0.168	3	
			Y72917TiN				3	
M5 X 0.8	D4	5P	Y72619	2.38	0.531	0.194	3	Uc
			Y72919TiN					
M6 X 1	D5	5P	Y72620	2.5	0.591	0.255	3	Uc
			Y72920TiN					
M7 X 1	D5	5P	Y72621	2.72	0.669	0.318	3	Uc
M8 X 1	D5	5P	Y72622	2.72	0.669	0.318	3	
M8 X 1.25	D5	5P	Y72623	2.72	0.669	0.318	3	Uc
			Y72923TiN					
M10 X 1.25	D5	5P	Y72624	2.94	0.748	0.381	3	Uc
			Y72924TiN					
M10 X 1.5	D6	5P	Y72625	2.94	0.748	0.381	3	Uc
			Y72925TiN					
M12 X 1.25	D5	5P	Y72626	3.38	0.984	0.367	3	Uc
M12 X 1.75	D6	5P	Y72627	3.38	0.984	0.367	3	
			Y72927TiN					
M14 X 1.5	D6	5P	Y72628	3.59	0.984	0.429	3	Uc
M14 X 2	D7	5P	Y72629	3.59	0.984	0.429	3	
M16 X 1.5	D6	5P	Y72630	3.81	1.083	0.48	3	Uc
M16 X 2	D7	5P	Y72631	3.81	1.083	0.48	3	
M18 X 1.5	D6	5P	Y72632	4.03	1.083	0.542	3	Uc
M18 X 2.5	D7	5P	Y72633	4.03	1.083	0.542	3	

Extended Spiral Pointed Taps for Stainless Steels
For Unified and Metric threads

ZELX SS 6"



Custom Blended Vanadium High Speed Steel Taps For Stainless Steels, Alloy Steels and Ductile Irons. ZELX SS taps are suitable for UNJ Aerospace internal threading applications.

*1 See blank type on page 97.

Unit : inch

Size	Class	Chamfer	Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
No.2 - 56UNC	H2	5P	Y82523	6	0.256	0.141	2	Uc
No.3 - 48UNC	H2	5P	Y82500	6	0.295	0.141	2	
No.4 - 40UNC	H2	5P	Y82501	6	0.335	0.141	2	
No.6 - 32UNC	H3	5P	Y82505	6	0.413	0.141	3	
No.8 - 32UNC	H3	5P	Y82507	6	0.453	0.168	3	
No.10 - 24UNC	H3	5P	Y82509	6	0.531	0.194	3	
No.10 - 32UNF	H3	5P	Y82510	6	0.531	0.194	3	
1/4 - 20UNC	H3	5P	Y82513	6	0.591	0.255	3	
1/4 - 28UNF	H3	5P	Y82514	6	0.591	0.255	3	
5/16 - 18UNC	H3	5P	Y82515	6	0.669	0.318	3	
5/16 - 24UNF	H3	5P	Y82516	6	0.669	0.318	3	
3/8 - 16UNC	H3	5P	Y82517	6	0.748	0.381	3	
3/8 - 24UNF	H3	5P	Y82518	6	0.748	0.381	3	
7/16 - 14UNC	H3	5P	Y82519	6	0.866	0.323	3	
7/16 - 20UNF	H3	5P	Y82520	6	0.866	0.323	3	
1/2 - 13UNC	H3	5P	Y82521	6	0.984	0.367	3	
1/2 - 20UNF	H3	5P	Y82522	6	0.984	0.367	3	

Spiral Pointed Taps for Nickel Base Alloys

For Unified and Metric threads

ZELX NI



Cobalt, Vanadium Premium Steel Taps
For Nickel Base Alloys, Other Exotic Alloys, Mold and Stainless Steels > 30 Rc.
ZELX NI taps are suitable for UNJ Aerospace internal threading applications.

- *1 See blank type on page 97.
- *2 "BR" of code No. stands for Bright finish taps
- *4 "NI" of code No. stands for Nitride finish taps

Overall length	Length of thread part	Length of chamfer part	Shank diameter
<i>L</i>	<i>ℓ</i>	<i>ℓ_C</i>	<i>D_s</i>

Unit : inch

Size	Class	Chamfer	*2 *4 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type
No.10 - 32UNF	H5	5P	Y85540	2.38	0.531	0.194	3	
			Y85540BR					
			Y85540NI					
	H6	5P	Y85561					
			Y85561BR					
			Y85561NI					
	H7	5P	Y85570					
			Y85570BR					
			Y85570NI					
1/4 - 20UNC	H3	5P	Y85513	2.5	0.591	0.255	3	
			Y85513NI					
	H5	5P	Y85543					
			Y85543NI					
1/4 - 28UNF	H3	5P	Y85514	2.5	0.591	0.255	3	
			Y85531					
			Y85531BR					
	H4	5P	Y85531NI					
			Y85544					
			Y85544BR					
	H5	5P	Y85544NI					
			Y85562					
			Y85562BR					
	H6	5P	Y85562NI					
			Y85574					
			Y85574BR					
H7	5P	Y85574NI						
5/16 - 18UNC	H3	5P	Y85515	2.72	0.669	0.318	3	
			Y85545					
			Y85553					
5/16 - 24UNF	H3	5P	Y85516	2.72	0.669	0.318	3	
			Y85532					
			Y85532BR					
	H4	5P	Y85546					
			Y85546BR					
			Y85563					
	H5	5P	Y85563BR					
			Y85576					
			Y85576BR					
H6	5P	Y85576NI						
3/8 - 16UNC	H3	5P	Y85517	2.94	0.748	0.381	3	
			Y85547					
3/8 - 24UNF	H3	5P	Y85518	2.94	0.748	0.381	3	
			Y85533					
			Y85533BR					
	H4	5P	Y85548					
			Y85548BR					
			Y85564					
H5	5P	Y85564BR						

Unit : inch

Size	Class	Chamfer	*2 *4 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type						
No.2 - 56UNC	H2	5P	Y85523	1.75	0.256	0.141	2							
No.4 - 40UNC	H2	5P	Y85501	1.88	0.335	0.141	2							
			Y85502											
	H3	5P	Y85504											
	H4	5P	Y85504BR											
No.5 - 40UNC	H2	5P	Y85503	1.94	0.374	0.141	3							
No.6 - 32UNC	H3	5P	Y85505	2	0.413	0.141	3							
			Y85524											
	H4	5P	Y85535											
			Y85535BR											
No.6 - 40UNF	H2	5P	Y85512	2	0.413	0.141	3							
No.8 - 32UNC	H3	5P	Y85507	2.13	0.453	0.168	3							
			Y85507NI											
			Y85529											
	H4	5P	Y85529BR											
			Y85537											
			Y85537BR											
	H5	5P	Y85537NI											
			Y85560											
			Y85560BR											
	H6	5P	Y85560NI											
			Y85567											
			Y85567BR											
	H7	5P	Y85567NI											
No.10 - 24UNC	H3	5P	Y85509	2.38	0.531	0.194	3							
			Y85539											
No.10 - 32UNF	H3	5P	Y85510	2.38	0.531	0.194	3							
			Y85510NI											
	H4	5P	Y85530											
			Y85530BR											
			Y85530NI											

Uc

Uc

ZELX NI Spiral Pointed Taps for Nickel Base Alloys
For Unified and Metric threads

Unit : inch

Size	Class	Chamfer	*2 *4 Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
3/8 - 24UNF	H7	5P	Y85578	2.94	0.748	0.381	3	Uc
			Y85578BR					
7/16 - 14UNC	H3	5P	Y85519	3.16	0.866	0.323	3	Uc
	H5		Y85549					
7/16 - 20UNF	H3	5P	Y85520	3.16	0.866	0.323	3	Uc
	H5		Y85550 Y85550BR					
1/2 - 13UNC	H3	5P	Y85521	3.38	0.984	0.367	3	Uc
	H5		Y85551					
1/2 - 20UNF	H3	5P	Y85522	3.38	0.984	0.367	3	Uc
	H5		Y85552 Y85552BR					
	H7	Y85582 Y85582BR Y85582NI						
5/8 - 11UNC	H3	5P	Y85525	3.81	1.083	0.48	3	Uc
	H5		Y85555					
	H7		Y85585					
5/8 - 18UNF	H3	5P	Y85526	3.81	1.083	0.48	3	Uc
	H5		Y85556					
	H7		Y85586					
3/4 - 10UNC	H3	5P	Y85527	4.25	1.201	0.59	3	Uc
	H5		Y85557					
3/4 - 16UNF	H3	5P	Y85528	4.25	1.201	0.59	3	Uc
	H5		Y85558					

For Metric threads

Size	Class	Chamfer	Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
M2.5 X 0.45	D3	5P	Y87320	1.81	0.295	0.141	2	Uc
M3 X 0.5	D3	5P	Y87321	1.94	0.374	0.141	3	Uc
M3.5 X 0.6	D4	5P	Y87322	2	0.413	0.141	3	Uc
M4 X 0.7	D4	5P	Y87323	2.13	0.453	0.168	3	Uc
M5 X 0.8	D4	5P	Y87324	2.38	0.531	0.194	3	Uc
M6 X 1	D5	5P	Y87325	2.5	0.591	0.255	3	Uc
M7 X 1	D5	5P	Y87326	2.72	0.669	0.318	3	Uc
M8 X 1.25	D5	5P	Y87328	2.72	0.669	0.318	3	Uc
M10 X 1.25	D5	5P	Y87329	2.94	0.748	0.381	3	Uc
M10 X 1.5	D6	5P	Y87330	2.94	0.748	0.381	3	Uc
M12 X 1.75	D6	5P	Y87332	3.38	0.984	0.367	3	Uc

STI Spiral Pointed Taps for Nickel Base Alloys
For Unified and Metric threads

ZELX NI STI



Cobalt, Vanadium Premium Steel Taps
For Nickel Base Alloys, Other Exotic Alloys, Mold and
Stainless Steels > 30 Rc
STI taps are special taps used to prepare holes for the
installation of helical coil wire thread inserts.

*1 See blank type on page 97.

Unit : inch

Size	Class	Chamfer	Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type
No.2 - 56UNC	H2	5P	Y87200	1.88	0.335	0.141	2	Uc
No.4 - 40UNC	H1	5P	Y87203	2	0.413	0.141	3	Uc
	H2		Y87204					
No.6 - 32UNC	H2	5P	Y87208	2.38	0.531	0.194	3	Uc
	H3		Y87224					
No.6 - 40UNF	H2	5P	Y87209	2.13	0.453	0.194	3	Uc
No.8 - 32UNC	H2	5P	Y87210	2.38	0.571	0.22	3	Uc
	H3		Y87226					
No.10 - 24UNC	H2	5P	Y87212	2.5	0.591	0.255	3	Uc
	H3		Y87228					
No.10 - 32UNF	H2	5P	Y87213	2.5	0.591	0.255	3	Uc
	H3		Y87229					
1/4 - 20UNC	H2	5P	Y87248	2.72	0.669	0.318	3	Uc
	H3		Y87258					
1/4 - 28UNF	H2	5P	Y87249	2.72	0.669	0.318	3	Uc
	H3		Y87259					
5/16 - 18UNC	H3	5P	Y87260	2.94	0.748	0.381	3	Uc
	H4		Y87272					
5/16 - 24UNF	H2	5P	Y87251	2.94	0.748	0.381	3	Uc
	H3		Y87261					
3/8 - 16UNC	H3	5P	Y87262	3.38	0.984	0.367	3	Uc
	H4		Y87270					
3/8 - 24UNF	H2	5P	Y87253	3.16	0.866	0.323	3	Uc
	H3		Y87263					
7/16 - 14UNC	H3	5P	Y87264	3.59	0.984	0.429	3	Uc
7/16 - 20UNF	H3	5P	Y87265	3.38	0.984	0.367	3	Uc
	H4		Y87275					
1/2 - 13UNC	H3	5P	Y87266	3.81	1.083	0.48	3	Uc
1/2 - 20UNF	H3	5P	Y87267	3.59	0.984	0.429	3	Uc

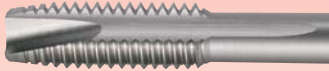
U.S.A. Taps & Dies Line up

Spiral Pointed Taps

Spiral Pointed Taps for Non-Ferrous Materials

For Unified and Metric threads

ZELX AL



Custom Blended Vanadium High Speed Steel Taps
For Silicon Die Cast, Zinc Die Cast Aluminum and
Wrought Aluminum Alloys
DIN tap lengths, USCTI shank dimensions

*1 See blank type on page 97.

Overall length	Length of thread part	Length of chamfer part	Shank diameter
L	ℓ	ℓ_c	D_s

Unit : inch

Size	Class	Chamfer	Code No.	L	ℓ	D_s	Number of flutes	*1 Blank type
M5X0.8	D4	5P	Y86231	2.76	0.63	0.194	3	Uc
M6X1	D5	5P	Y86232	3.15	0.748	0.255	3	
M7X1	D5	5P	Y86233	3.15	0.748	0.318	3	
M8X1	D5	5P	Y86234	3.54	0.866	0.318	3	
M8X1.25	D5	5P	Y86235	3.54	0.866	0.318	3	
M10X1.25	D5	5P	Y86236	3.94	0.945	0.381	3	
M10X1.5	D6	5P	Y86237	3.94	0.945	0.381	3	
M12X1.25	D5	5P	Y86238	3.94	0.866	0.367	3	
M12X1.5	D5	5P	Y86239	3.94	0.866	0.367	3	
M12X1.75	D6	5P	Y86240	4.33	1.142	0.367	3	

Unit : inch

Size	Class	Chamfer	Code No.	L	ℓ	D_s	Number of flutes	*1 Blank type
No.2 - 56UNC	H2	5P	Y86200	1.77	0.276	0.141	2	Uc
No.4 - 40UNC	H2	5P	Y86201	2.2	0.433	0.141	2	
No.5 - 40UNC	H2	5P	Y86202	2.2	0.433	0.141	3	
No.6 - 32UNC	H3	5P	Y86203	2.2	0.512	0.141	3	
No.8 - 32UNC	H3	5P	Y86204	2.48	0.512	0.168	3	
No.10 - 24UNC	H3	5P	Y86205	2.76	0.63	0.194	3	
No.10 - 32UNF	H3	5P	Y86206	2.76	0.63	0.194	3	
1/4 - 20UNC	H3	5P	Y86207	3.15	0.748	0.255	3	
	H5		Y86208					
1/4 - 28UNF	H3	5P	Y86209	3.15	0.748	0.255	3	
	H4		Y86211					
5/16 - 18UNC	H3	5P	Y86212	3.54	0.866	0.318	3	
	H5		Y86213					
5/16 - 24UNF	H3	5P	Y86214	3.54	0.866	0.318	3	
	H4		Y86215					
3/8 - 16UNC	H3	5P	Y86216	3.94	0.945	0.381	3	
	H5		Y86217					
3/8 - 24UNF	H3	5P	Y86218	3.54	0.787	0.381	3	
	H4		Y86219					
7/16 - 14UNC	H3	5P	Y86220	3.94	0.945	0.323	3	
	H5		Y86221					
7/16 - 20UNF	H3	5P	Y86222	3.94	0.945	0.323	3	
	H5		Y86223					
1/2 - 13UNC	H3	5P	Y86224	4.33	1.142	0.367	3	
	H5		Y86225					
1/2 - 20UNF	H3	5P	Y86226	3.94	0.866	0.367	3	
	H5		Y86227					

For Metric threads

Size	Class	Chamfer	Code No.	L	ℓ	D_s	Number of flutes	*1 Blank type
M3 X 0.5	D3	5P	Y86228	2.2	0.433	0.141	3	Uc
M3.5 X 0.6	D4	5P	Y86229	2.2	0.512	0.141	3	
M4 X 0.7	D4	5P	Y86230	2.48	0.512	0.168	3	

Industrial Quality Spiral Pointed Taps

For Unified and Metric threads

PO



"available while supplies last"
Vanadium High Speed Steel Taps
 Ideal for steels, irons, brass and plastics in through hole applications.

*1 See blank type on page 97.

*2 "BR" of code No. stands for Bright finish taps

Overall length	Length of thread part	Length of chamfer part	Shank diameter
<i>L</i>	<i>ℓ</i>	<i>ℓ_c</i>	<i>D_s</i>

Unit : inch

Size	Class	Chamfer	*2 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type
Code No.	H4	5P	Y82147	1.75	0.44	0.141	2	Ub
	H5	5P	Y82156 Y82156BR					
No.2 - 64UNF	H1	5P	Y82008	1.75	0.44	0.141	2	Ub
	H2	5P	Y82058 Y82058BR					
No.3 - 48UNC	H1	5P	Y82010	1.81	0.5	0.141	2	Ub
		1.5P	Y82061 Y82061BR					
	H2	5P	Y82060 Y82060BR					
		5P	Y82110 Y82110BR					
	H3	5P	Y82110 Y82110BR					
No.3 - 56UNF	H1	5P	Y82012	1.81	0.5	0.141	2	Ub
		1.5P	Y82063 Y82063BR					
	H2	5P	Y82062 Y82062BR					
		5P	Y82062					
No.4 - 36UNS	H2	5P	Y82068	1.88	0.56	0.141	2	Ub
No.4 - 40UNC	H1	5P	Y82014	1.88	0.56	0.141	2	Ub
		1.5P	Y82065					
	H2	5P	Y82064 Y82064BR Y86054					
		5P	Y82114 Y82114BR					
	H3	5P	Y82148					
	H4	5P	Y82164					
	H7	1.5P	Y82191					
5P		Y82190						
No.4 - 48UNF	H1	5P	Y82016	1.88	0.56	0.141	2	Ub
		1.5P	Y82067 Y82067BR					
	H2	5P	Y82066 Y82066BR					
		5P	Y82066					
No.5 - 40UNC	H1	5P	Y82020	1.94	0.63	0.141	2	Ub
		1.5P	Y82071 Y82071BR					
	H2	5P	Y82070 Y82070BR					
		5P	Y86060					
	No.5 - 44UNF	H2	1.5P					
5P			Y82072					
5P			Y82072					

Unit : inch

Size	Class	Chamfer	*2 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type
No.0 - 80UNF	H1	1.5P	Y82001	1.63	0.31	0.141	2	Ub
			Y82001BR					
	5P	Y82000						
		Y82000BR						
	H2	5P	Y82050					
			Y82050BR					
	H3	5P	Y82100					
			Y82100BR					
	H4	5P	Y82146					
			Y82146BR					
H5	5P	Y82150						
		Y82150BR						
No.1 - 64UNC	H1	5P	Y82002	1.69	0.38	0.141	2	Ub
			Y82002BR					
	H2	1.5P	Y82053 Y82053BR					
		5P	Y82052					
No.1 - 72UNF	H1	1.5P	Y82005	1.69	0.38	0.141	2	Ub
			Y82005BR					
	5P	Y82004						
		Y82004BR						
	H2	1.5P	Y82055 Y82055BR					
5P		Y82054						
No.2 - 56UNC	H1	1.5P	Y82007	1.75	0.44	0.141	2	Ub
			Y82007BR					
	5P	Y82006						
		Y82006BR						
	H2	1.5P	Y82057					
			Y82057BR					
	5P	Y82056						
		Y82056BR						
H3	5P	Y82106						

U.S.A. Taps & Dies Line up

Spiral Pointed Taps

PO Industrial Quality Spiral Pointed Taps
For Unified and Metric threads

Overall length	Length of thread part	Length of chamfer part	Shank diameter
<i>L</i>	<i>ℓ</i>	<i>ℓ_C</i>	<i>D_s</i>

Unit : inch

Unit : inch

Size	Class	Chamfer	*2 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type	Size	Class	Chamfer	*2 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type		
No.6 - 32UNC	H1	5P	Y82024	2	0.69	0.141	2	Ub	No.10 - 24UNC	H3	5P	Y82034	2.38	0.88	0.194	2	Ub		
		1.5P	Y82075								H2	5P						Y82084	
	5P	Y82075BR	1.5P									Y82084BR							
	1.5P	Y82074									5P	Y82135							
	5P	Y86064	Y82135BR																
	1.5P	Y82125	H7								5P	Y82196							
	5P	Y82125BR								5P	Y82134	Y82134BR							
	1.5P	Y82124	H11								5P	Y82196BR							
	5P	Y82124BR								5P	Y85216								
	5P	Y86114	H1								5P	Y82038							
	H4	5P								Y82149	2.38	0.88	0.194	2	Ub	No.10 - 32UNF		H2	1.5P
	H5	5P	Y82174							1.5P									Y82089BR
	H7	1.5P	Y82193																5P
		5P	Y82193BR							Y82088BR									
H11	5P	Y82192	1.5P	Y86078															
	5P	Y82192BR		5P	Y82139														
No.6 - 40UNF	H1	5P	Y82026		2	0.69	0.141	2	Ub	No.12 - 24UNC							H3	5P	Y82139BR
		1.5P	Y82077	5P														Y82138	
	5P	Y82077BR	5P														Y82138BR		
	5P	Y82076		H4													5P	Y86124	
5P	Y82076BR	5P	Y82152																
No.8 - 32UNC	H1		5P	Y82028	2.13	0.75	0.168	2	Ub	No.12 - 28UNF							H3	1.5P	Y82145
		1.5P	Y82079	5P														Y82145BR	
	5P	Y82079BR	5P														Y82144		
	H2	5P		Y82078							5P	Y82144BR							
		5P	Y82078BR	H7								5P	Y82198						
	5P	Y86068	5P								Y85217								
	H3	1.5P		Y82129							H1	5P	Y82042						
		5P	Y82129BR	1.5P								Y82143							
	5P	Y82128	5P								Y82143BR								
	5P	Y82128BR		5P							Y82142								
	5P	Y86118	5P								Y82142BR								
	H4	5P		Y82151							5P	Y86126							
		5P	Y82178	H3								5P	Y82145						
	H5	5P	Y82178BR								5P	Y82145BR							
H7		1.5P	Y82195	5P	Y82144														
	5P	Y82195BR	5P		Y82144BR														
H11	5P	Y82194		5P	Y82200														
	5P	Y82194BR	5P		Y82200BR														
No.8 - 36UNF	H1	5P		Y85214	2.13	0.75	0.168	2	Ub	1/4 - 20UNC	H2	5P	Y82250						
		5P	Y82250BR																
	H2	1.5P	Y82083	1.5P							Y82301								
		5P	Y82083BR								5P	Y82301BR							
5P	Y82082	5P	Y82300																
5P	Y82082BR		5P	Y82300BR															
												Y82302					3		
												Y82302BR					2		
												Y86300							

U.S.A. Taps & Dies Line up

Spiral Pointed Taps

PO Industrial Quality Spiral Pointed Taps
For Unified and Metric threads

Unit : inch

Unit : inch

Size	Class	Chamfer	*2 Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type	Size	Class	Chamfer	*2 Code No.	L	ℓ	D _s	Number of flutes	*1 Blank type	
1/4 - 20UNC	H4	5P	Y82352	2.5	1	0.255	2		5/16 - 24UNF	H2	5P	Y82262	2.72	1.13	0.318	2		
	H5	5P	Y82400									Y82262BR						3
			Y82400BR									Y82264						
			Y82402									Y82264BR						
			Y82402BR								Y82313							
H11	5P	Y85231	Y82313BR	2														
			Y82312															
1/4 - 28UNF	H1	5P	Y82204	2.5	1	0.255	2	3		H3	5P	Y82204BR	2.72	1.13	0.318	3		
			H2									1.5P						Y82255
	Y82256	Y82314																
	Y82256BR	Y82314BR																
	Y82257	Y82365																
	H3	1.5P	Y82257BR							Y82365BR	2							
			H4							5P		Y82305	Y82362					
												Y82305BR	Y82362BR					
			H11						5P	Y82304		Y82364	3					
	Y82304BR	Y82364BR																
	H4	5P	Y82306						Y82366	2								
			Y82306BR						Y82366BR									
			Y82356						Y82317									
			Y82356BR						Y82317BR									
			Y82357						Y82316									
Y82357BR			Y82316BR															
Y82304			Y86308															
H5	5P	Y82404	Y82416	3														
		Y82442	Y82416BR															
		Y85232	Y85235															
5/16 - 18UNC	H1	5P	Y82208	2.72	1.13	0.318	2	3	3/8 - 16UNC	H1	5P	Y82216	2.94	1.25	0.381	3	Ub	
			Y82208BR									Y82216BR						
	H2	5P	Y82258								Y82266							
			Y82258BR								Y82266BR							
	H3	1.5P	Y82260							Y82317	2							
			Y82309						Y82317BR									
			Y82309BR						Y82316									
			Y82308						Y82316BR									
	H4	5P	Y82308BR						Y82316BR	3								
			Y82310						Y86308									
			Y82310BR						Y82416									
			Y86304						Y82416BR									
	H5	5P	Y82408						Y82235	2								
			Y82408BR						Y85235									
			Y82410						Y82218		3							
Y82410BR			Y82218BR															
H11	5P	Y85233	Y82268	2														
			Y82268BR															
5/16 - 24UNF	H1	5P	Y82212	2.72	1.13	0.318	2		3/8 - 24UNF	H1	5P	Y82218	2.94	1.25	0.381	3		
			Y82212BR									Y82218BR						
			H2								5P	Y82309						Y82268
												Y82309BR						Y82268BR
			H3							1.5P	Y82308	Y82318						2
									Y82308BR		Y82318BR							
									Y82310		Y82318							
									Y82310BR		Y82318BR							
			H4						5P	Y86304	Y82368	3						
											Y82368BR							
H5	5P	Y82408	Y85236	2														
		Y82408BR	Y85236															
		Y82410	Y82270		3													
		Y82410BR	Y82270BR															
H11	5P	Y85233	Y82321	2														
			Y82321BR															
5/16 - 24UNF	H1	5P	Y82212	2.72	1.13	0.318	2		7/16 - 14UNC	H3	1.5P	Y82320	3.16	1.44	0.323	3		
			Y82212BR									Y82320BR						
			H5								5P	Y82420						Y82420
												Y82420BR						Y82420BR
			H11							5P	Y85237	Y85237						2

U.S.A. Taps & Dies Line up

Spiral Pointed Taps

PO Industrial Quality Spiral Pointed Taps
For Unified and Metric threads

Overall length	Length of thread part	Length of chamfer part	Shank diameter
<i>L</i>	<i>ℓ</i>	<i>ℓ_C</i>	<i>D_s</i>

Unit : inch

Unit : inch

Size	Class	Chamfer	*2 Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type
7/16 - 20UNF	H2	5P	Y82272	3.16	1.44	0.323	3	Ub
			Y82272BR					
	H3	5P	Y82322					
			Y82322BR					
	H5	5P	Y82422					
			Y82422BR					
	H11	5P	Y85238					
	1/2 - 13UNC	H1	5P					
Y82224BR								
H2		5P	Y82274					
			Y82274BR					
H3		5P	Y82324					
			Y82324BR					
			Y86316					
			Y86316BR					
H5		5P	Y82424					
			Y82424BR					
H11		5P	Y85239					
1/2 - 20UNF		H2	5P	Y82226	3.38	1.66	0.367	3
	Y82226BR							
	Y82276							
	Y82276BR							
	H3	5P	Y82326					
			Y82326BR					
	H5	5P	Y82426					
			Y82426BR					
H11	5P	Y85240						
5/8 - 11UNC	H3	5P	Y82332	3.81	1.81	0.48	3	Ub
			Y82432					
	Y82432BR							
H11	5P	Y85243						
5/8 - 18UNF	H3	5P	Y82334	3.81	1.81	0.48	3	Ub
			Y82334BR					
3/4 - 10UNC	H3	5P	Y82336	4.25	2	0.59	3	Ub
			Y82336BR					
	H5	5P	Y82436					
			Y82436BR					
H11	5P	Y85245						
3/4 - 16UNF	H3	5P	Y82338	4.25	2	0.59	3	Ub
			Y82338BR					

For Metric threads

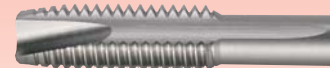
Size	Class	Chamfer	Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type
M3 X 0.5	D3	5P	Y78115	1.94	0.63	0.141	3	Ub
M3.5 X 0.6	D4	5P	Y78116	2	0.69	0.141	3	
M4 X 0.7	D4	5P	Y78117	2.13	0.75	0.168	3	
M4.5 X 0.75	D4	5P	Y78118	2.38	0.88	0.194	3	
M5 X 0.8	D4	5P	Y78119	2.38	0.88	0.194	3	
M6 X 1	D5	5P	Y78120	2.5	1	0.255	3	

Size	Class	Chamfer	Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type
M7 X 1	D5	5P	Y78121	2.72	1.13	0.318	3	Ub
M8 X 1	D5	5P	Y78122	2.72	1.13	0.318	3	
M8 X 1.25	D5	5P	Y78123	2.72	1.13	0.318	3	
M10 X 1.25	D5	5P	Y78124	2.94	1.25	0.381	3	
M10 X 1.5	D6	5P	Y78125	2.94	1.25	0.381	3	
M12 X 1.25	D5	5P	Y78126	3.38	1.66	0.367	3	
M12 X 1.75	D6	5P	Y78127	3.38	1.66	0.367	3	
M14 X 1.5	D6	5P	Y78128	3.59	1.66	0.429	3	
M14 X 2	D7	5P	Y78129	3.59	1.66	0.429	3	
M16 X 1.5	D6	5P	Y78130	3.81	1.81	0.48	3	
M16 X 2	D7	5P	Y78131	3.81	1.81	0.48	3	
M18 X 1.5	D6	5P	Y78132	4.03	1.81	0.542	3	
M18 X 2.5	D7	5P	Y78133	4.03	1.81	0.542	3	

Industrial Quality STI Spiral Pointed Taps

For Unified and Metric threads

STI PO



"available while supplies last"
Vanadium High Speed Steel Taps
Ideal for steels, irons, brass and plastics in through hole applications.
STI taps are special taps used to prepare holes for the installation of helical coil wire thread inserts.

*1 See blank type on page 97.

Unit : inch

Size	Class	Chamfer	Code No.	<i>L</i>	<i>ℓ</i>	<i>D_s</i>	Number of flutes	*1 Blank type
No.2 - 56UNC	H2	5P	Y82716	1.88	0.563	0.141	2	Ub
No.4 - 40UNC	H1	5P	Y82704	2	0.688	0.141	2	
	H2		Y82720					
No.6 - 32UNC	H2	5P	Y82724	2.38	0.875	0.194	2	
	H3		Y82740					
No.8 - 32UNC	H2	5P	Y82726	2.38	0.938	0.22	2	
	H3		Y82742					
No.10 - 24UNC	H2	5P	Y82728	2.5	1	0.255	2	
No.10 - 32UNF	H2	5P	Y82729	2.5	1	0.255	2	
1/4 - 20UNC	H2	5P	Y82758	2.72	1.125	0.318	2	
			Y82768					
1/4 - 28UNF	H2	5P	Y82759	2.72	1.125	0.318	2	
			Y82769					
5/16 - 24UNF	H2	5P	Y82761	2.94	1.25	0.381	2	

U.S.A. Taps & Dies Line up

Spiral Pointed Taps