



2017 Master Catalog

WIDIA  TM



Solutions for Blind Hole Applications •

WIDIA-GTD™

Spiral Flute



WIDIA-GTD™ offers a wide range of options for tapping blind holes in:

- Steel and steel alloys.
- Stainless steel.
- Cast iron.
- Wrought and cast aluminum.
- Nickel-based alloys.
- Titanium alloys.

High-Performance Victory™ HSS-E-PM Taps

- Optimized spiral-flute design enables deep blind holes to be threaded.
- Offer performance advantages over conventional high-speed steel taps.
- Long tap life at up to 50% higher tapping speed than HSS taps.

Multipurpose VariTap™

- Spiral-flute geometry optimized to provide efficient chip ejection in blind holes.
- Manufactured from high-vanadium HSS-E to provide long and consistent tool life.
- Geometry designed to allow tapping of a wide variety of ductile materials: carbon and alloy steels, stainless steels, ductile iron, and cast aluminum.
- Ideal for customers who have a variety of materials to machine.

General Purpose Production Taps

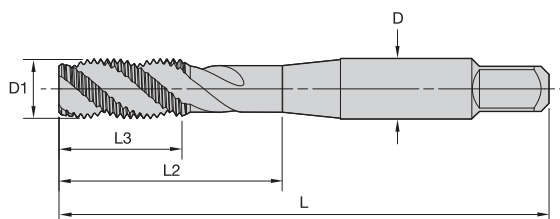
- Versatile spiral-flute design for pulling chips out of the hole.
- Can be used in general machinery or CNC tapping applications.
- Advanced steam oxide finish and high-performance TiN and TiCN coatings with alternate tap coatings available as stock modifications.



High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

- GM6515 TiN + CrC/C for stainless steel.
- GP6520 TiCN for steel.
- GP6505 oxide for steel.

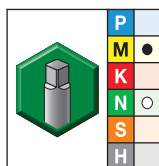
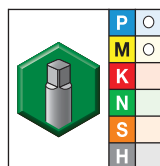
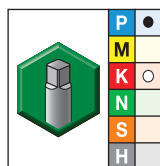


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006



■ GT30 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • ANSI • For Steel and Stainless Steel

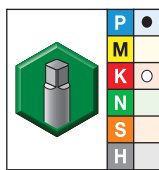
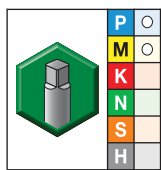
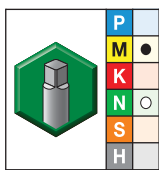


- first choice
- alternate choice

grade GP6520 TiCN		grade GP6505 Oxide		grade GM6515 TiN+CrC/C		inch dimensions					number of flutes	class of fit
order #	catalog #	order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
3955161	GT305031	-	-	3955131	GT305001	2 - 56	1.75	.44	.49	.141	2	3BX
3955162	GT305032	-	-	3955132	GT305002	4 - 40	1.88	.56	.68	.141	2	2BX
3955163	GT305033	4035106	GT305125	3955133	GT305003	4 - 40	1.88	.56	.68	.141	2	3BX
3955164	GT305034	-	-	3955134	GT305004	6 - 32	1.99	.36	.71	.141	3	2BX
3955165	GT305035	4035107	GT305126	3955135	GT305005	6 - 32	1.99	.36	.71	.141	3	3BX
3955166	GT305036	4035108	GT305127	3955136	GT305006	8 - 32	2.12	.31	.76	.168	3	3BX
3955167	GT305037	4035109	GT305128	3955137	GT305007	10 - 24	2.37	.47	.91	.194	3	3BX
3955192	GT305052	-	-	3955152	GT305022	10 - 32	2.37	.47	.91	.194	3	2BX
3955193	GT305053	4035131	GT305140	3955153	GT305023	10 - 32	2.37	.47	.91	.194	3	3BX
3955168	GT305038	4035110	GT305129	3955138	GT305008	1/4 - 20	2.50	.44	1.01	.255	3	2BX
3955169	GT305039	4035111	GT305130	3955139	GT305009	1/4 - 20	2.50	.44	1.01	.255	3	3BX
3955194	GT305054	4035132	GT305141	3955154	GT305024	1/4 - 28	2.50	.44	1.00	.255	3	2BX
3955195	GT305055	4035133	GT305142	3955155	GT305025	1/4 - 28	2.50	.44	1.00	.255	3	3BX
3955170	GT305040	4035112	GT305131	3955140	GT305010	5/16 - 18	2.72	.49	1.13	.318	3	2BX
3955171	GT305041	4035123	GT305132	3955141	GT305011	5/16 - 18	2.72	.49	1.13	.318	3	3BX
3955196	GT305056	4035134	GT305143	3955156	GT305026	5/16 - 24	2.72	.49	1.13	.318	3	2BX
3955197	GT305057	-	-	3955157	GT305027	5/16 - 24	2.72	.49	1.13	.318	3	3BX
3955172	GT305042	4035124	GT305133	3955142	GT305012	3/8 - 16	2.94	.60	1.27	.381	3	2BX
3955183	GT305043	4035125	GT305134	3955143	GT305013	3/8 - 16	2.94	.60	1.27	.381	3	3BX
3955198	GT305058	-	-	3955158	GT305028	3/8 - 24	2.93	.59	1.26	.381	3	3BX
3955184	GT305044	4035126	GT305135	3955144	GT305014	7/16 - 14	3.16	.71	1.49	.323	5	3BX
3955199	GT305059	4035136	GT305145	3955159	GT305029	7/16 - 20	3.16	.71	1.49	.323	5	3BX
3955185	GT305045	4035127	GT305136	3955145	GT305015	1/2 - 13	3.38	.77	1.74	.367	4	2BX
3955186	GT305046	4035128	GT305137	3955146	GT305016	1/2 - 13	3.38	.77	1.74	.367	4	3BX

(continued)

(GT30 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • ANSI • For Steel and Stainless Steel — continued)


 grade GP6520
TiCN

 grade GP6505
Oxide

 grade GM6515
TiN+CrC/C

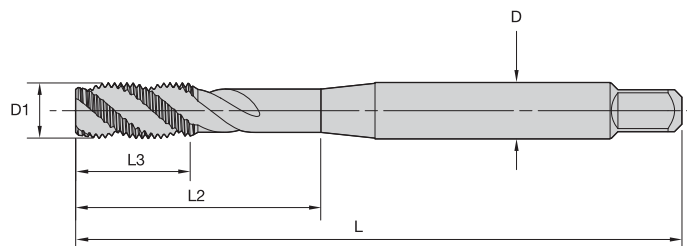
- first choice
- alternate choice

						inch dimensions					number of flutes	class of fit
order #	catalog #	order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
3955200	GT305060	4035138	GT305147	3955160	GT305030	1/2 - 20	3.38	.77	1.74	.367	4	3BX
3955188	GT305048	4035129	GT305138	3955148	GT305018	5/8 - 11	3.81	.91	1.89	.480	5	3BX
3955187	GT305047	—	—	3955147	GT305017	5/8 - 11	3.81	.91	1.89	.480	4	2BX
3955190	GT305050	4035130	GT305139	3955150	GT305020	3/4 - 10	4.25	1.00	2.08	.590	4	3BX
3955189	GT305049	—	—	3955149	GT305019	3/4 - 10	4.25	1.00	2.08	.590	4	2BX
3955191	GT305051	—	—	3955151	GT305021	1 - 8	5.13	1.25	2.58	.800	5	3BX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

- GP6520 TiCN for steel.

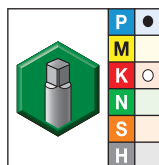


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006



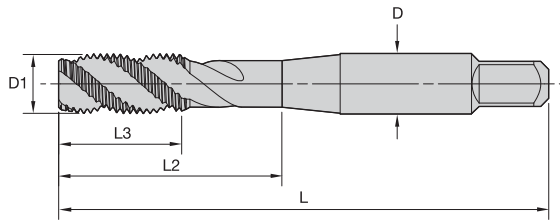
- GT30 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • DIN Length ANSI Shank
- For Steel



- first choice
- alternate choice

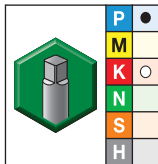
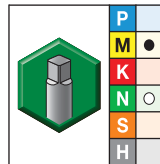
grade GP6520 TiCN		inch dimensions					number of flutes	class of fit
order #	catalog #	D1 TPI	L	L3	L2	D		
4176798	GT305169	6 - 32	2.20	.39	.79	.141	3	2BX
4176877	GT305178	6 - 40	2.20	.39	.79	.141	3	2BX
4176799	GT305170	8 - 32	2.48	.39	.83	.168	3	2BX
4176800	GT305171	10 - 24	2.76	.39	.98	.194	3	2BX
4176879	GT305180	10 - 32	2.76	.40	.99	.194	3	2BX
4176802	GT305173	1/4 - 20	3.15	.51	1.18	.255	3	3BX
4176881	GT305182	1/4 - 28	3.15	.51	1.18	.255	3	3BX
4176873	GT305174	5/16 - 18	3.54	.55	1.38	.318	3	3BX
4176882	GT305183	5/16 - 24	3.54	.55	1.38	.318	3	3BX
4176874	GT305175	3/8 - 16	3.94	.63	1.53	.381	3	3BX
4176883	GT305184	3/8 - 24	3.94	.63	1.53	.381	3	3BX
4176875	GT305176	7/16 - 14	3.94	.71	1.61	.323	4	3BX
4176884	GT305185	7/16 - 20	3.94	.71	1.61	.323	4	3BX
4176876	GT305177	1/2 - 13	4.33	.79	1.85	.367	4	3BX
4176885	GT305186	1/2 - 20	4.33	.79	1.85	.367	4	3BX

- GM6515 TiN + CrC/C for stainless steel.
- GP6520 TiCN for steel.



Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006


GT30 • Form C Semi-Bottoming Chamfer • Metric ANSI • For Steel and Stainless Steel

 grade GP6520
TiCN

 grade GM6515
TiN+CrC/C

- first choice
- alternate choice

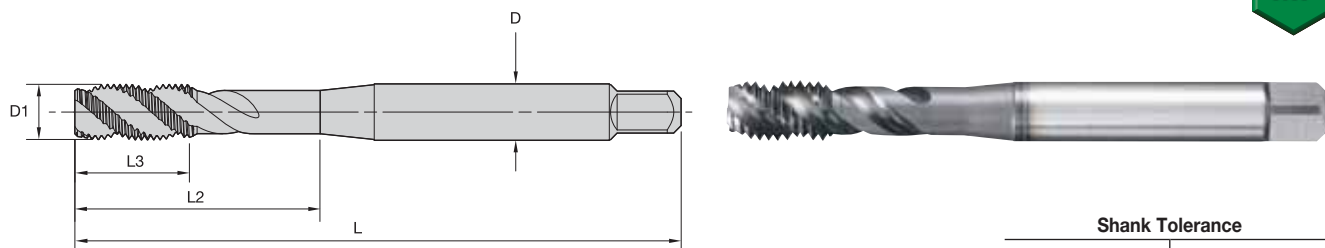
				inch dimensions					number of flutes	class of fit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
3955069	GT305070	3955060	GT305061	M3 X 0,5	1.94	.63	.75	.141	2	6HX
3955070	GT305071	3955061	GT305062	M4 X 0,7	2.12	.32	.76	.168	3	6HX
3955071	GT305072	3955062	GT305063	M5 X 0,8	2.37	.47	.91	.194	3	6HX
3955072	GT305073	3955063	GT305064	M6 X 1	2.50	.46	1.01	.255	3	6HX
3955093	GT305074	3955064	GT305065	M8 X 1,25	2.71	.48	1.12	.318	3	6HX
3955094	GT305075	3955065	GT305066	M10 X 1,5	2.92	.53	1.26	.381	3	6HX
3955095	GT305076	3955066	GT305067	M12 X 1,75	3.38	.77	1.74	.367	5	6HX
3955096	GT305077	3955067	GT305068	M14 X 2	3.59	.83	1.74	.429	5	6HX
3955097	GT305078	3955068	GT305069	M16 X 2	3.81	.91	1.89	.480	5	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

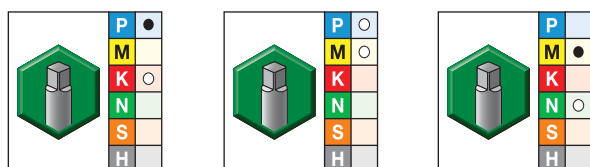
- GM6515 TiN + CrC/C for stainless steel.
- GP6520 TiCN for steel.
- GP6505 oxide for steel.



Shank Tolerance	
D mm	tolerance h6
>3-6	+0, -0,008
>6-10	+0, -0,009
>10-18	+0, -0,011
>18-30	+0, -0,013
>30-50	+0, -0,016

WIDIA
VICTORY

■ GT30 • Form C Semi-Bottoming Chamfer • Metric DIN 371, 374, and 376 • For Steel and Stainless Steel

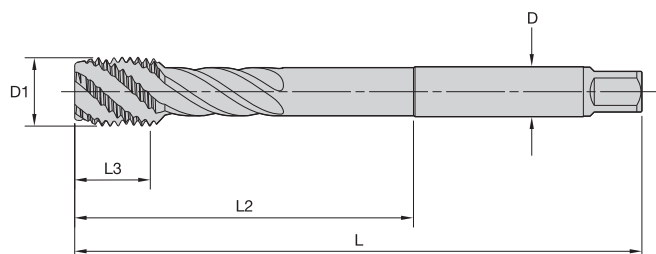


- first choice
- alternate choice

grade GP6520 TiCN		grade GP6505 Oxide		grade GM6515 TiN+CrC/C		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
3954929	GT305097	4035066	GT305116	3955098	GT305148	M3 X 0,5	56	8	18	3,5	3	DIN 371	6HX
3954930	GT305098	4035067	GT305117	3955099	GT305079	M4 X 0,7	63	10	21	4,5	3	DIN 371	6HX
3954931	GT305099	4035068	GT305118	3955100	GT305080	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
3954932	GT305100	4035069	GT305119	3955101	GT305081	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
3955031	GT305109	-	-	3955110	GT305090	M8 X 1	90	13	35	6,0	3	DIN 374	6HX
3955023	GT305101	4035070	GT305120	3955102	GT305082	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
3955032	GT305110	-	-	3955111	GT305091	M10 X 1	90	10	35	7,0	3	DIN 374	6HX
3955033	GT305111	-	-	3955112	GT305092	M10 X 1,25	100	15	39	7,0	3	DIN 374	6HX
3955024	GT305102	4035071	GT305121	3955103	GT305083	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
3955034	GT305112	-	-	3955113	GT305093	M12 X 1,5	100	15	39	9,0	4	DIN 374	6HX
3955025	GT305103	4035072	GT305122	3955104	GT305084	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
3955035	GT305113	-	-	3955114	GT305094	M14 X 1,5	100	15	47	11,0	4	DIN 374	6HX
3955026	GT305104	4035073	GT305123	3955105	GT305085	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
3955036	GT305114	-	-	3955115	GT305095	M16 X 1,5	100	15	46	12,0	4	DIN 374	6HX
3955027	GT305105	4035074	GT305124	3955106	GT305086	M16 X 2	110	20	51	12,0	4	DIN 376	6HX
3955037	GT305115	-	-	3955116	GT305096	M18 X 1,5	110	15	50	14,0	4	DIN 374	6HX
3955028	GT305106	-	-	3955107	GT305087	M18 X 2,5	125	25	58	14,0	4	DIN 376	6HX
3955029	GT305107	-	-	3955108	GT305088	M22 X 2,5	140	25	70	18,0	4	DIN 376	6HX
3955030	GT305108	-	-	3955109	GT305089	M24 X 3	160	30	77	18,0	5	DIN 376	6HX
4033733	GT305161	-	-	-	-	M24 X 3	160	30	77	18,0	5	DIN 376	6HX
4033735	GT305163	-	-	-	-	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
4033736	GT305164	-	-	-	-	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
4033738	GT305166	-	-	-	-	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
4033740	GT305168	-	-	-	-	M42 X 4,5	200	45	120	32,0	5	DIN 376	6HX

High-Performance Taps

- GP6520 TiCN for steel and cast iron.

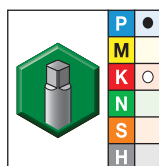


Shank Tolerance

D mm	tolerance h6
12-18	+0, -0,011
20-30	+0, -0,013
32-36	+0, -0,016



- GT30 • Form C Semi-Bottoming Chamfer • Larger Sizes • Metric Extra Long • For Steel and Cast Iron



- first choice
- alternate choice

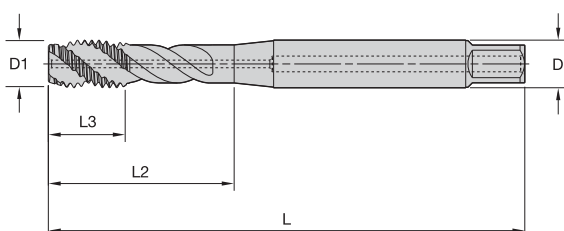
grade GP6520 TiCN		metric dimensions					number of flutes	class of fit
order #	catalog #	D1 size	L	L3	L2	D		
4033776	GT305151	M24 X 3	200	30	120	18,0	5	6HX
4033778	GT305153	M30 X 3,5	250	35	150	22,0	5	6HX
4033779	GT305154	M33 X 3,5	250	35	150	25,0	5	6HX
4033781	GT305156	M36 X 4	250	40	150	28,0	5	6HX
4033783	GT305158	M42 X 4,5	300	45	180	32,0	5	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- GP6520 TiCN for steel.

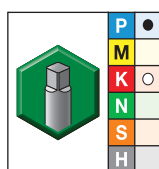


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006

WIDIA
VICTORY

- GT31 • Fractional • Form C Semi-Bottoming Chamfer • Through Coolant • DIN Length ANSI Shank
- For Steel



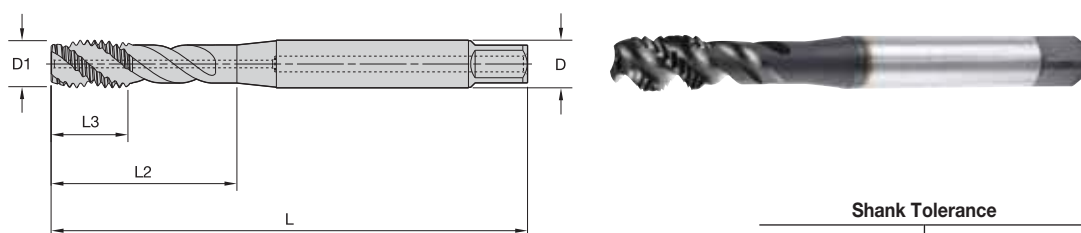
- first choice
- alternate choice

grade GP6520
TiCN

		inch dimensions					number of flutes	class of fit
order #	catalog #	D1 TPI	L	L3	L2	D		
4176886	GT315045	1/4 - 20	3.15	.51	1.18	.255	3	3BX
4176891	GT315040	1/4 - 28	3.15	.51	1.18	.255	3	3BX
4176887	GT315036	5/16 - 18	3.54	.55	1.38	.318	3	3BX
4176892	GT315041	5/16 - 24	3.54	.55	1.38	.318	3	3BX
4176888	GT315037	3/8 - 16	3.94	.63	1.53	.381	3	3BX
4176893	GT315042	3/8 - 24	3.94	.63	1.53	.381	3	3BX
4176889	GT315038	7/16 - 14	3.94	.71	1.61	.323	4	3BX
4176894	GT315043	7/16 - 20	3.94	.71	1.61	.323	4	3BX
4176890	GT315039	1/2 - 13	4.33	.79	1.85	.367	4	3BX
4176895	GT315044	1/2 - 20	4.33	.79	1.85	.367	4	3BX

High-Performance Taps

- GM6515 TiN + CrC/C for stainless steel.
- GP6520 TiCN for steel.

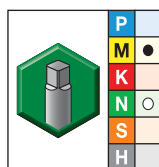
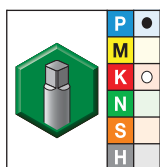


Shank Tolerance

D mm	tolerance h6
>3-6	+0, -0,008
>6-10	+0, -0,009
>10-18	+0, -0,011
>18-30	+0, -0,013
>30-50	+0, -0,016



■ **GT31 • Form C Semi-Bottoming Chamfer • Through Coolant • Metric DIN 371 and 376 • For Steel and Stainless Steel**



- first choice
- alternate choice

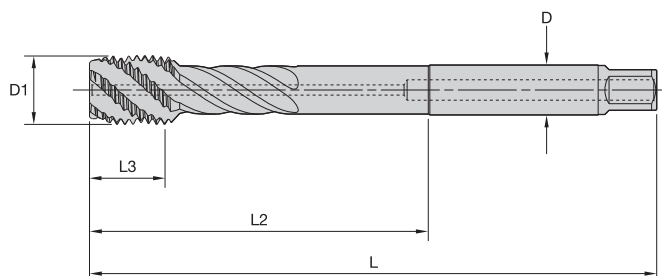
grade GP6520 TiCN		grade GM6515 TiN+CrC/C		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
3955349	GT315007	3955343	GT315001	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
3955350	GT315008	3955344	GT315002	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
3955351	GT315009	3955345	GT315003	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
3955352	GT315010	3955346	GT315004	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
3955373	GT315011	3955347	GT315005	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
3955374	GT315012	3955348	GT315006	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
5143530	GT315033	-	-	M16 X 2	110	20	51	12,0	4	DIN 376	6HX
5143531	GT315034	-	-	M18 X 2,5	125	25	58	14,0	4	DIN 376	6HX
5143532	GT315035	-	-	M20 X 2,5	140	25	64	16,0	4	DIN 376	6HX
4033744	GT315025	-	-	M24 X 3	160	30	77	18,0	5	DIN 376	6HX
4033746	GT315027	-	-	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
4033747	GT315028	-	-	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
4033749	GT315030	-	-	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
4033751	GT315032	-	-	M42 X 4,5	200	45	120	32,0	5	DIN 376	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- GP6520 TiCN for steel and cast iron.

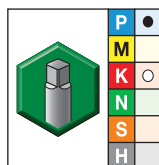


Shank Tolerance

D mm	tolerance h6
12-18	+0, -0,011
20-30	+0, -0,013
32-36	+0, -0,016

WIDIA
VICTORY

- GT31 • Form C Semi-Bottoming Chamfer • Through Coolant • Larger Sizes • Metric Extra Long
- For Steel and Cast Iron

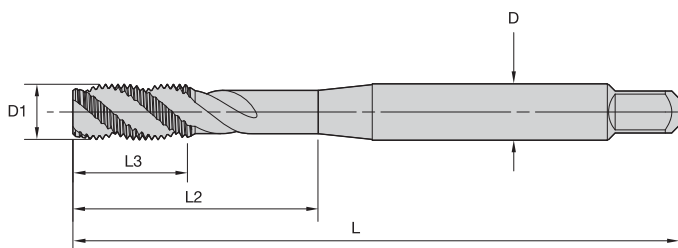


- first choice
- alternate choice

grade GP6520
TiCN

order #	catalog #	D1 size	L	metric dimensions			number of flutes	class of fit
				L3	L2	D		
4033787	GT315014	M24 X 3	200	30	120	18,0	5	6HX
4033789	GT315016	M30 X 3,5	250	35	150	22,0	5	6HX
4033790	GT315017	M33 X 3,5	250	35	150	25,0	5	6HX
4033792	GT315019	M36 X 4	250	40	150	28,0	5	6HX
4033794	GT315021	M42 X 4,5	300	45	180	32,0	5	6HX

- GP6520 TiCN for steel.

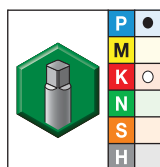


Shank Tolerance

D mm	tolerance h6
>3-6	+0, -0,008
>6-10	+0, -0,009
>10-18	+0, -0,011
>18-30	+0, -0,013
>30-50	+0, -0,016



■ GT32 • Form E Bottoming Chamfer • Metric DIN 371, 374, and 376 • For Steel



● first choice

○ alternate choice

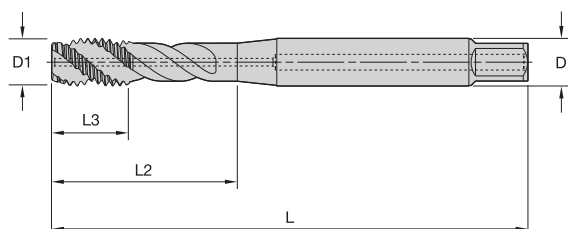
grade GP6520 TiCN		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4153906	GT325001	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
4153907	GT325002	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
4153908	GT325003	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
4153909	GT325004	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
4153912	GT325007	M12 X 1,5	100	15	39	9,0	4	DIN 374	6HX
4153910	GT325005	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
4153953	GT325008	M14 X 1,5	100	15	47	11,0	4	DIN 374	6HX
4153911	GT325006	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
4153954	GT325009	M16 X 1,5	100	15	46	12,0	4	DIN 374	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Threading Close to the Bottom in a Blind Hole

WIDIA
GTD™

- GP6520 TiCN for steel.

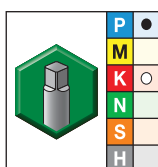


Shank Tolerance

D mm	tolerance h6
>3-6	+0, -0,008
>6-10	+0, -0,009
>10-18	+0, -0,011
>18-30	+0, -0,013
>30-50	+0, -0,016

WIDIA
VICTORY

■ GT33 • Form E Bottoming Chamfer • Through Coolant • Metric DIN 371, 374, and 376 • For Steel

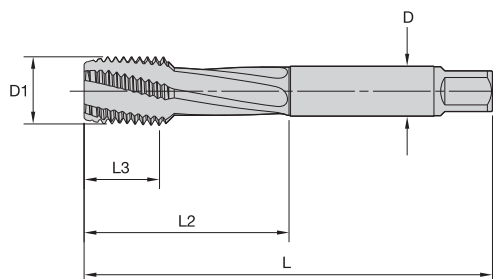


- first choice
- alternate choice

grade GP6520 TiCN		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4153955	GT335001	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
4153956	GT335002	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
4153957	GT335003	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
4153958	GT335004	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
4153961	GT335007	M12 X 1,5	100	15	39	9,0	4	DIN 374	6HX
4153959	GT335005	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
4153962	GT335008	M14 X 1,5	100	15	47	11,0	4	DIN 374	6HX
4153960	GT335006	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
4153963	GT335009	M16 X 1,5	100	15	46	12,0	4	DIN 374	6HX

High-Performance Taps

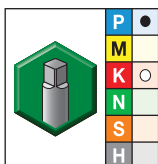
- GP6520 TiCN for steel and cast iron.



Shank Tolerance	
D mm	tolerance h6
12-18	+0, -0,011
20-30	+0, -0,013
32-36	+0, -0,016



- GT50 • Form C Semi-Bottoming Chamfer • Larger Sizes • Metric DIN 376 • For Steel and Cast Iron



- first choice
- alternate choice

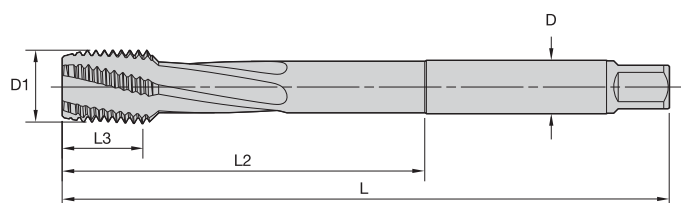
grade GP6520 TiCN		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4154254	GT505001	M24 X 3	160	30	77	18,0	4	DIN 376	6HX
4154255	GT505002	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
4154256	GT505003	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
4154257	GT505004	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
4154258	GT505005	M42 X 4,5	200	45	120	32,0	6	DIN 376	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- GP6520 TiCN for steel and cast iron.

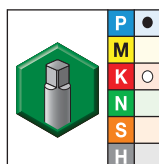


Shank Tolerance

D mm	tolerance h6
12-18	+0, -0,011
20-30	+0, -0,013
32-36	+0, -0,016

WIDIA
VICTORY

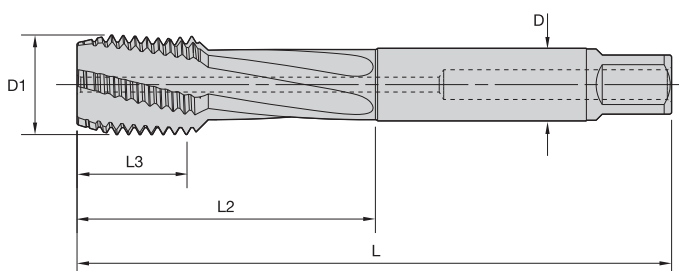
■ GT50 • Form C Semi-Bottoming Chamfer • Larger Sizes • Metric Extra Long • For Steel and Cast Iron



- first choice
- alternate choice

grade GP6520 TiCN		metric dimensions					number of flutes	class of fit
order #	catalog #	D1 size	L	L3	L2	D		
4154259	GT505006	M24 X 3	200	30	120	18,0	4	6HX
4154260	GT505007	M30 X 3,5	250	35	150	22,0	5	6HX
4154261	GT505008	M33 X 3,5	250	35	150	25,0	5	6HX
4154262	GT505009	M36 X 4	250	40	150	28,0	5	6HX
4154263	GT505010	M42 X 4,5	300	45	180	32,0	6	6HX

- GP6520 TiCN for steel and cast iron.

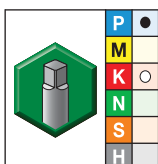


Shank Tolerance

D mm	tolerance h6
12-18	+0, -0,011
20-30	+0, -0,013
32-36	+0, -0,016



- GT51 • Form C Semi-Bottoming Chamfer • Through Coolant • Larger Sizes • Metric DIN 376 • For Steel and Cast Iron



- first choice
- alternate choice

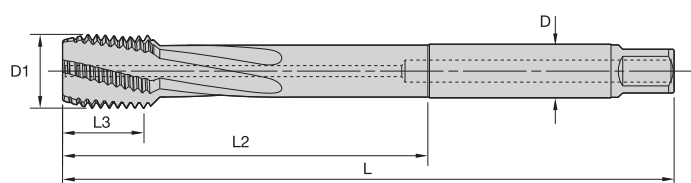
grade GP6520 TiCN		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4154264	GT515001	M24 X 3	160	30	77	18,0	4	DIN 376	6HX
4154265	GT515002	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
4154266	GT515003	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
4154267	GT515004	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
4154268	GT515005	M42 X 4,5	200	45	120	32,0	6	DIN 376	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- GP6520 TiCN for tapping steel and cast iron.

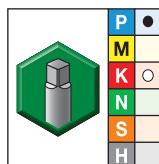


Shank Tolerance

D mm	tolerance h6
12-18	+0, -0,011
20-30	+0, -0,013
32-36	+0, -0,016

WIDIA
VICTORY

- GT51 • Form C Semi-Bottoming Chamfer • Through Coolant • Larger Sizes • Metric Extra Long • For Steel and Cast Iron

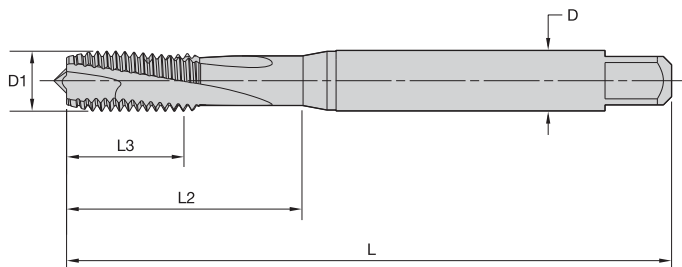


- first choice
- alternate choice

grade GP6520
TiCN

order #	catalog #	D1 size	L	metric dimensions			number of flutes	class of fit
				L3	L2	D		
4154269	GT515006	M24 X 3	200	30	120	18,0	4	6HX
4154270	GT515007	M30 X 3,5	250	35	150	22,0	5	6HX
4154271	GT515008	M33 X 3,5	250	35	150	25,0	5	6HX
4154272	GT515009	M36 X 4	250	40	150	28,0	5	6HX
4154273	GT515010	M42 X 4,5	300	45	180	32,0	6	6HX

- WS32MG TiCN for nickel and nickel alloys.

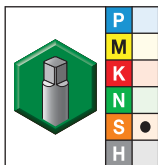


Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
>3-6	+0, -0,030
>6-10	+0, -0,036
>10-18	+0, -0,043
>18-30	+0, -0,052



- GT12 • Form C Semi-Bottoming Chamfer • Metric DIN 371 and 376 • For Nickel and Nickel Alloys


 grade WS32MG
 TiCN

- first choice
- alternate choice

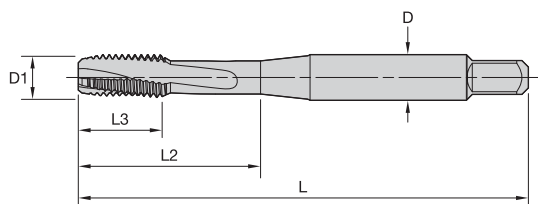
order #	catalog #	D1 size	metric dimensions				number of flutes	dimension standard	class of fit
			L	L3	L2	D			
4159636	GT125001	M3 X 0,5	56	11	18	3,5	2	DIN 371	6HX
4159637	GT125002	M4 X 0,7	63	13	21	4,5	3	DIN 371	6HX
4159638	GT125003	M5 X 0,8	70	15	25	6,0	3	DIN 371	6HX
4159639	GT125004	M6 X 1	80	17	30	6,0	3	DIN 371	6HX
4159640	GT125005	M8 X 1,25	90	20	35	8,0	3	DIN 371	6HX
4159641	GT125006	M10 X 1,5	100	22	39	10,0	3	DIN 371	6HX
4159642	GT125007	M12 X 1,75	110	24	—	9,0	3	DIN 376	6HX
4159663	GT125008	M14 X 2	110	26	—	11,0	3	DIN 376	6HX
4159664	GT125009	M16 X 2	110	27	—	12,0	3	DIN 376	6HX
4159665	GT125010	M20 X 2,5	140	32	—	16,0	3	DIN 376	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- WS39MG oxide/nitride for nickel- and cobalt-based alloys.
- WU32MG TiCN for nickel- and cobalt-based alloys.

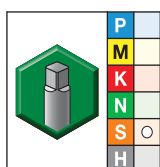
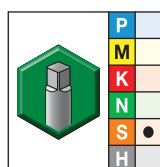


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006

WIDIA
VICTORY

■ GT92 • Machine Screw and Fractional • 3-4 Pitches Chamfer • For Nickel- and Cobalt-Based Alloys



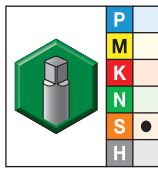
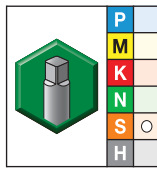
- first choice
- alternate choice

grade WU32MG TiCN		grade WS39MG Nitride/Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5708145	GT925069	5708144	GT925001	2 - 56	1.75	.44	.50	.141	3	H2
5708147	GT925070	5708146	GT925002	3 - 48	1.81	.50	.56	.141	3	H2
5705280	GT925071	5708148	GT925003	4 - 40	1.88	.56	.69	.141	3	H2
5708149	GT925072	5705219	GT925004	4 - 40	1.88	.56	.69	.141	3	H3
-		5708160	GT925005	4 - 40	1.88	.56	.69	.141	3	H5
5708162	GT925074	5708161	GT925006	4 - 48	1.88	.56	.69	.141	3	H2
-		5708163	GT925007	5 - 40	1.95	.63	.76	.141	3	H2
5708165	GT925076	5708164	GT925008	6 - 32	1.99	.36	.71	.141	3	H2
5705279	GT925077	5708166	GT925009	6 - 32	1.99	.36	.71	.141	3	H3
5708168	GT925078	5708167	GT925010	6 - 32	2.03	.36	.71	.141	3	H4
-		5708169	GT925011	6 - 32	2.03	.36	.71	.141	3	H5
5708171	GT925080	5708170	GT925012	6 - 32	2.03	.36	.71	.141	3	H7
-		5708172	GT925013	6 - 40	2.03	.36	.71	.141	3	H2
5708174	GT925082	5708173	GT925014	8 - 32	2.16	.31	.76	.168	3	H2
5705278	GT925083	5708175	GT925015	8 - 32	2.12	.31	.76	.168	3	H3
-		5708176	GT925016	8 - 32	2.16	.31	.76	.168	3	H4
-		5708177	GT925017	8 - 32	2.16	.31	.76	.168	3	H5
-		5708178	GT925018	8 - 32	2.16	.31	.76	.168	3	H6
-		5708179	GT925019	8 - 32	2.16	.31	.76	.168	3	H7
5705277	GT925088	5708014	GT925020	10 - 24	2.37	.47	.91	.194	3	H3
-		5708015	GT925021	10 - 24	2.42	.47	.91	.194	3	H7
5708017	GT925090	5708016	GT925022	10 - 32	2.37	.47	.91	.194	3	H2
5705276	GT925091	5708018	GT925023	10 - 32	2.37	.47	.91	.194	3	H3
5708140	GT925092	5708019	GT925024	10 - 32	2.42	.47	.91	.194	3	H4

(continued)

WIDIA

(GT92 • Machine Screw and Fractional • 3–4 Pitches Chamfer • For Nickel- and Cobalt-Based Alloys — continued)


 grade WU32MG
TiCN

 grade WS39MG
Nitride/Oxide

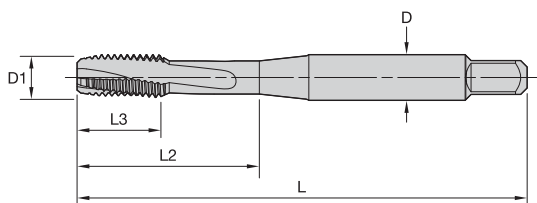
- first choice
- alternate choice

				inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
—		5708141	GT925025	10 - 32	2.42	.47	.91	.194	3	H5
—		5708142	GT925026	10 - 32	2.42	.47	.91	.194	3	H6
—		5708143	GT925027	10 - 32	2.42	.47	.91	.194	3	H7
5705275	GT925096	5708201	GT925028	1/4 - 20	2.50	.44	1.00	.255	3	H3
5708205	GT925097	5708203	GT925029	1/4 - 20	2.50	.44	1.00	.255	3	H5
—		5708207	GT925030	1/4 - 20	2.50	.44	1.00	.255	3	H7
5705274	GT925099	5708209	GT925031	1/4 - 28	2.50	.44	1.00	.255	3	H3
—		5708211	GT925032	1/4 - 28	2.50	.44	1.00	.255	3	H4
—		5708213	GT925033	1/4 - 28	2.50	.44	1.00	.255	3	H5
—		5708215	GT925034	1/4 - 28	2.50	.44	1.00	.255	3	H6
—		5705217	GT925035	1/4 - 28	2.50	.44	1.00	.255	3	H7
5705273	GT925104	5708261	GT925036	5/16 - 18	2.72	.49	1.13	.318	3	H3
5708265	GT925105	5708263	GT925037	5/16 - 18	2.72	.49	1.13	.318	3	H5
—		5708267	GT925038	5/16 - 18	2.72	.49	1.13	.318	3	H7
5708271	GT925107	5708269	GT925039	5/16 - 24	2.72	.49	1.13	.318	3	H3
5708275	GT925108	5708273	GT925040	5/16 - 24	2.72	.49	1.13	.318	3	H4
—		5708277	GT925041	5/16 - 24	2.72	.49	1.13	.318	3	H5
—		5708279	GT925042	5/16 - 24	2.72	.49	1.13	.318	3	H6
—		5708281	GT925043	5/16 - 24	2.72	.49	1.13	.318	3	H7
5705272	GT925112	5708227	GT925044	3/8 - 16	2.94	.60	1.27	.381	3	H3
5708241	GT925113	5708229	GT925045	3/8 - 16	2.94	.60	1.27	.381	3	H5
5708245	GT925114	5708243	GT925046	3/8 - 16	2.94	.60	1.27	.381	3	H7
5705270	GT925115	5705218	GT925047	3/8 - 24	2.40	.60	1.27	.381	3	H3
5708249	GT925116	5708247	GT925048	3/8 - 24	2.94	.60	1.27	.381	3	H4
5708253	GT925117	5708251	GT925049	3/8 - 24	2.94	.60	1.27	.381	3	H5
—		5708255	GT925050	3/8 - 24	2.94	.60	1.27	.381	3	H6
5708259	GT925119	5708257	GT925051	3/8 - 24	2.94	.60	1.27	.381	3	H7
5708307	GT925120	5708305	GT925052	7/16 - 14	3.16	.71	1.49	.323	3	H3
—		5708309	GT925053	7/16 - 14	3.16	.71	1.49	.323	3	H5
5708313	GT925122	5708311	GT925054	7/16 - 20	3.16	.71	1.49	.323	3	H3
5708317	GT925123	5708315	GT925055	7/16 - 20	3.16	.71	1.49	.323	3	H5
5705282	GT925124	5708190	GT925056	1/2 - 13	3.38	.77	1.74	.367	3	H3
5708192	GT925125	5708191	GT925057	1/2 - 13	3.38	.77	1.74	.367	3	H5
—		5708193	GT925058	1/2 - 13	3.38	.77	1.74	.367	3	H7
5705281	GT925127	5708194	GT925059	1/2 - 20	3.38	.77	1.74	.367	3	H3
5708197	GT925128	5708196	GT925060	1/2 - 20	3.38	.77	1.74	.367	3	H5
5708199	GT925129	5708198	GT925061	1/2 - 20	3.38	.77	1.74	.367	3	H7
5708285	GT925130	5708283	GT925062	5/8 - 11	3.81	.91	1.89	.480	3	H3
5708289	GT925131	5708287	GT925063	5/8 - 11	3.81	1.31	1.89	.480	3	H5
5708303	GT925132	5708301	GT925064	5/8 - 18	3.81	1.31	1.89	.480	3	H3
5708219	GT925133	5708217	GT925065	3/4 - 10	4.25	1.59	2.08	.590	3	H3
—		5708221	GT925066	3/4 - 10	4.25	1.00	2.08	.590	3	H5
—		5708223	GT925067	3/4 - 16	4.25	1.00	2.08	.590	3	H3
—		5708225	GT925068	3/4 - 16	4.25	1.00	2.08	.590	3	H5

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

- WS39MG oxide/nitride for nickel- and cobalt-based alloys.
- WU32MG TiCN for nickel- and cobalt-based alloys.

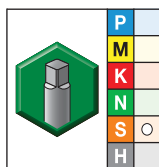
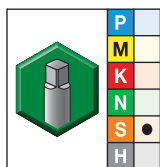


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006



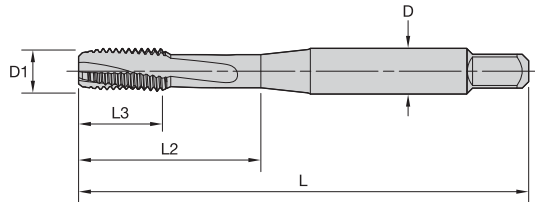
■ GT92 • 3-4 Pitches Chamfer • Metric ANSI • For Nickel- and Cobalt-Based Alloys



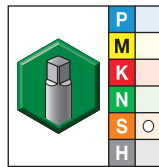
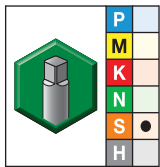
- first choice
- alternate choice

grade WU32MG TiCN		grade WS39MG Nitride/Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5708331	GT925150	5708329	GT925137	M2,5 X 0,45	1.81	.50	.56	.141	3	D3
5705285	GT925151	5708335	GT925138	M3 X 0,5	1.94	.63	.75	.141	3	D3
-	-	5708333	GT925139	M3,5 X 0,6	1.99	.36	.71	.141	3	D4
-	-	5708337	GT925140	M4 X 0,7	2.12	.32	.76	.168	3	D4
-	-	5708339	GT925141	M5 X 0,8	2.37	.47	.91	.194	3	D4
5705286	GT925155	5708341	GT925142	M6 X 1	2.50	.46	1.00	.255	3	D5
5708345	GT925156	5708343	GT925143	M7 X 1	2.72	.52	1.15	.318	3	D5
-	-	5708347	GT925144	M8 X 1	2.70	.48	1.12	.318	3	D5
5708361	GT925158	5708349	GT925145	M8 X 1,25	2.70	.48	1.12	.318	3	D5
5708321	GT925159	5708319	GT925146	M10 X 1,25	2.92	.53	1.26	.381	3	D5
5705283	GT925160	5708323	GT925147	M10 X 1,5	2.92	.53	1.26	.381	3	D6
-	-	5708325	GT925148	M12 X 1,25	3.38	.77	1.74	.367	3	D5
5705284	GT925162	5708327	GT925149	M12 X 1,75	3.38	.77	1.74	.367	3	D6

- WS39MG oxide/nitride for nickel- and cobalt-based alloys.
- WU32MG TiCN for nickel- and cobalt-based alloys.


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006


■ GT94 • Machine Screw and Fractional • Form E Bottoming Chamfer • For Nickel- and Cobalt-Based Alloys


- first choice
- alternate choice

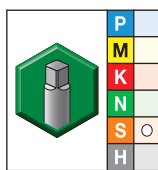
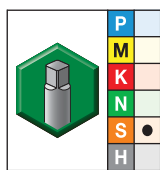
grade WU32MG TiCN		grade WS39MG Nitride/Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5705939	GT945037	5705938	GT945001	4 - 40	1.88	.56	.70	.141	3	H2
5705981	GT945038	5705980	GT945002	4 - 40	1.88	.56	.69	.141	3	H3
-		5705982	GT945003	5 - 40	1.95	.63	.76	.141	3	H2
-		5705983	GT945004	6 - 32	2.03	.36	.71	.141	3	H2
5705985	GT945041	5705984	GT945005	6 - 32	1.99	.36	.71	.141	3	H3
-		5705986	GT945006	6 - 32	2.03	.36	.71	.141	3	H4
-		5705987	GT945007	6 - 32	2.03	.36	.71	.141	3	H5
5705989	GT945044	5705988	GT945008	8 - 32	2.12	.31	.76	.168	3	H3
5705992	GT945045	5705991	GT945009	8 - 32	2.16	.31	.76	.168	3	H5
5705933	GT945046	5705932	GT945010	10 - 24	2.42	.47	.91	.194	3	H3
-		5705934	GT945011	10 - 24	2.42	.47	.91	.194	3	H5
5705936	GT945048	5705935	GT945012	10 - 32	2.37	.47	.91	.194	3	H3
-		5705937	GT945013	10 - 32	2.42	.47	.91	.194	3	H5
5705996	GT945050	5705995	GT945014	1/4 - 20	2.50	.44	1.00	.255	3	H3
5705997	GT945051	5703872	GT945015	1/4 - 20	2.50	.44	1.00	.255	3	H5
5705998	GT945052	5703871	GT945016	1/4 - 28	2.50	.44	1.00	.255	3	H3
5705999	GT945053	5703873	GT945017	1/4 - 28	2.50	.44	1.00	.255	3	H4
5706011	GT945054	5706010	GT945018	1/4 - 28	2.50	.44	1.00	.255	3	H5
5706020	GT945055	5706019	GT945019	5/16 - 18	2.72	.49	1.13	.318	3	H3
5706022	GT945056	5706021	GT945020	5/16 - 18	2.72	.49	1.13	.318	3	H5
5706024	GT945057	5706023	GT945021	5/16 - 24	2.72	.49	1.13	.318	3	H3
5706026	GT945058	5706025	GT945022	5/16 - 24	2.72	.49	1.13	.318	3	H4
-		5706027	GT945023	5/16 - 24	2.72	.49	1.13	.318	3	H5
5706013	GT945060	5706012	GT945024	3/8 - 16	2.94	.60	1.27	.381	3	H3

(continued)

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

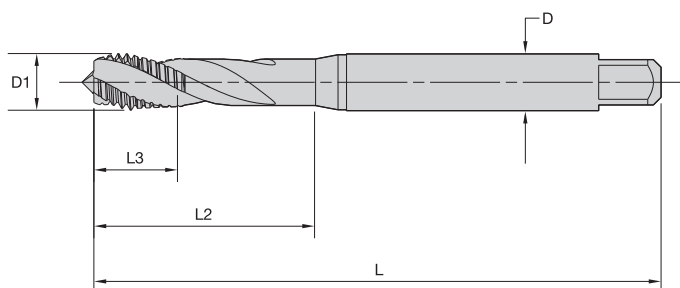
(GT94 • Machine Screw and Fractional • Form E Bottoming Chamfer • For Nickel- and Cobalt-Based Alloys — continued)



- first choice
- alternate choice

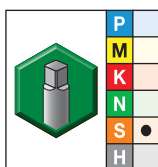
grade WU32MG TiCN		grade WS39MG Nitride/Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5706015	GT945061	5706014	GT945025	3/8 - 16	2.94	.60	1.27	.381	3	H5
5706017	GT945062	5706016	GT945026	3/8 - 24	2.94	.60	1.27	.381	3	H3
—		5706018	GT945027	3/8 - 24	2.94	.60	1.27	.381	3	H4
—		5706034	GT945028	7/16 - 14	3.16	.71	1.49	.323	3	H3
—		5706035	GT945029	7/16 - 14	3.16	.71	1.49	.323	3	H5
5706037	GT945066	5706036	GT945030	7/16 - 20	3.16	.71	1.49	.323	3	H3
5706039	GT945067	5706038	GT945031	7/16 - 20	3.16	.71	1.49	.323	3	H5
—		5705993	GT945032	1/2 - 13	3.38	.77	1.74	.367	3	H5
—		5705994	GT945033	1/2 - 20	3.38	.77	1.74	.367	3	H3
5706029	GT945070	5706028	GT945034	5/8 - 11	3.81	.91	1.89	.480	3	H3
5706031	GT945071	5706030	GT945035	5/8 - 11	3.81	.91	1.89	.480	3	H5
5706033	GT945072	5706032	GT945036	5/8 - 18	3.81	.91	1.89	.480	3	H3

- WN35MG TiN/DLC for titanium and titanium alloys.



Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
>3-6	+0, -0,030
>6-10	+0, -0,036
>10-18	+0, -0,043
>18-30	+0, -0,052


GT16 • Form C Semi-Bottoming Chamfer • Metric DIN 371 • For Titanium and Titanium Alloys


- first choice
- alternate choice

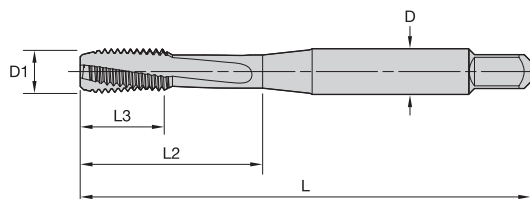
grade WN35MG TiN/DLC		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4160437	GT165001	M3 X 0,5	56	6	18	3,5	3	DIN 371	6HX
4160438	GT165002	M4 X 0,7	63	7	21	4,5	3	DIN 371	6HX
4160439	GT165003	M5 X 0,8	70	8	25	6,0	3	DIN 371	6HX
4160440	GT165004	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
4160441	GT165005	M8 X 1,25	90	14	35	8,0	3	DIN 371	6HX
4160442	GT165006	M10 X 1,5	100	16	39	10,0	3	DIN 371	6HX
4160523	GT165007	M12 X 1,75	110	18	44	12,0	3	DIN 371	6HX

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- WS30MG nitride for titanium and titanium alloys.
- WS34MG TiN + CrC/C for titanium and titanium alloys.

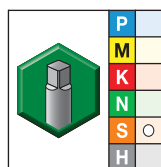
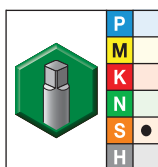


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006

WIDIA
VICTORY

■ GT62 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • ANSI • For Titanium and Titanium Alloys



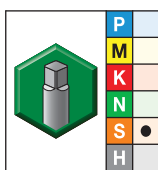
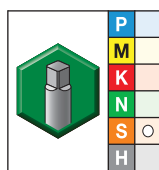
- first choice
- alternate choice

grade WS34MG TiN+CrC/C		grade WS30MG Nitride		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5565064	GT625006	5565063	GT625005	2 - 56	1.75	.44	.50	.141	3	H2
5565067	GT625008	5565065	GT625007	4 - 40	1.88	.56	.69	.142	3	H2
5565069	GT625010	5565068	GT625009	6 - 32	1.99	.36	.71	.141	3	H2
5565131	GT625012	5565130	GT625011	6 - 32	1.99	.36	.71	.141	3	H3
5565133	GT625014	5565132	GT625013	6 - 40	1.99	.36	.71	.141	3	H2
5565135	GT625016	5565134	GT625015	8 - 32	2.12	.31	.77	.168	3	H2
5565138	GT625018	5565137	GT625017	8 - 32	2.12	.31	.77	.168	3	H3
5565140	GT625020	5565139	GT625019	8 - 36	2.12	.31	.77	.168	3	H2
5565142	GT625022	5565141	GT625021	10 - 24	2.37	.47	.92	.194	3	H3
5565144	GT625024	5565143	GT625023	10 - 32	2.37	.47	.91	.194	3	H2
5565146	GT625026	5565145	GT625025	10 - 32	2.37	.47	.91	.194	3	H3
5565148	GT625028	5565147	GT625027	1/4 - 20	2.50	.44	1.01	.255	3	H3
5565150	GT625030	5565149	GT625029	1/4 - 20	2.50	.44	1.00	.255	3	H5
5565152	GT625032	5565151	GT625031	1/4 - 28	2.50	.44	1.01	.255	3	H3
5565154	GT625034	5565153	GT625033	1/4 - 28	2.50	.44	1.01	.255	3	H4
5565156	GT625036	5565155	GT625035	1/4 - 28	2.50	.44	1.01	.255	3	H5
5565158	GT625038	5565157	GT625037	5/16 - 18	2.72	.49	1.13	.318	3	H3
5565160	GT625040	5565159	GT625039	5/16 - 18	2.72	.49	1.13	.318	3	H5
5565163	GT625042	5565161	GT625041	5/16 - 24	2.72	.49	1.13	.318	3	H3
5565165	GT625044	5565164	GT625043	5/16 - 24	2.72	.49	1.13	.318	3	H4
5565167	GT625046	5565166	GT625045	3/8 - 16	2.93	.59	1.26	.381	3	H3
5565169	GT625048	5565168	GT625047	3/8 - 16	2.93	.59	1.26	.381	3	H5
5565191	GT625050	5565190	GT625049	3/8 - 24	2.93	.59	1.26	.381	3	H3
5565193	GT625052	5565192	GT625051	3/8 - 24	2.93	.59	1.26	.381	3	H4

(continued)

WIDIA

(GT62 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • ANSI • For Titanium and Titanium Alloys — continued)


 grade WS34MG
 TiN+CrC/C

 grade WS30MG
 Nitride

- first choice
- alternate choice

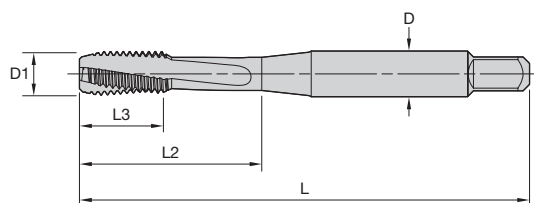
				inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5565195	GT625054	5565194	GT625053	7/16 - 14	3.16	.71	1.49	.323	3	H3
5565197	GT625056	5565196	GT625055	7/16 - 14	3.16	.71	1.49	.323	3	H5
5565199	GT625058	5565198	GT625057	7/16 - 20	3.16	.71	1.49	.323	3	H3
5565201	GT625060	5565200	GT625059	7/16 - 20	3.16	.71	1.49	.323	3	H5
5565203	GT625062	5565202	GT625061	1/2 - 13	3.38	.77	1.74	.367	3	H3
5565205	GT625064	5565204	GT625063	1/2 - 13	3.38	.77	1.74	.367	3	H5
5565207	GT625066	5565206	GT625065	1/2 - 20	3.38	.77	1.74	.367	3	H3
5565209	GT625068	5565208	GT625067	1/2 - 20	3.38	.77	1.74	.367	3	H5
5565210	GT625069	—	—	9/16 - 18	3.59	.83	1.74	.429	4	H3
5565211	GT625070	—	—	9/16 - 18	3.59	.83	1.74	.429	4	H5
5565212	GT625071	—	—	5/8 - 11	3.81	.91	1.89	.480	4	H3
5565213	GT625072	—	—	5/8 - 18	3.81	.91	1.89	.480	4	H3
5565214	GT625073	—	—	5/8 - 18	3.81	.91	1.89	.480	4	H5
5565215	GT625074	—	—	3/4 - 10	4.25	1.00	2.08	.590	4	H5
5565216	GT625075	—	—	3/4 - 16	4.25	1.00	2.08	.590	4	H3
5565217	GT625076	—	—	3/4 - 16	4.25	1.00	2.08	.590	4	H5
5565218	GT625077	—	—	1 - 8	5.12	1.25	2.58	.800	4	H5

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- WS30MG nitride for titanium and titanium alloys.
- WS34MG TiN + CrC/C for titanium and titanium alloys.

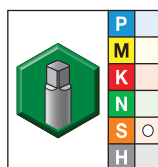
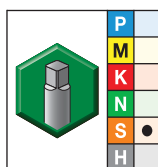


Shank Tolerance

D inch	tolerance h6
.118-.236	+0, -.0003
.236-.394	+0, -.0004
.394-.709	+0, -.0004
.709-1.181	+0, -.0005
1.181-1.969	+0, -.0006

WIDIA
VICTORY

■ GT62 • Form C Semi-Bottoming Chamfer • Metric ANSI • For Titanium and Titanium Alloys

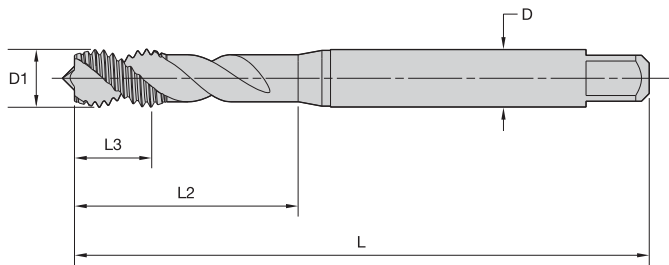


- first choice
- alternate choice

grade WS34MG TiN+CrC/C		grade WS30MG Nitride		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
5565220	GT625504	5565219	GT625503	M2,5 X 0,45	1.81	.50	.56	.141	3	D3
5565222	GT625506	5565221	GT625505	M3 X 0,5	1.94	.63	.75	.141	3	D3
5565224	GT625508	5565223	GT625507	M4 X 0,7	2.12	.32	.76	.168	3	D4
5565226	GT625510	5565225	GT625509	M5 X 0,8	2.37	.46	.91	.194	3	D4
5565228	GT625512	5565227	GT625511	M6 X 1	2.50	.46	1.00	.255	3	D5
5565230	GT625514	5565229	GT625513	M7 X 1	2.72	.52	1.15	.318	3	D5
5565232	GT625516	5565231	GT625515	M8 X 1,25	2.70	.48	1.12	.318	3	D5
5565234	GT625518	5565233	GT625517	M10 X 1,25	2.93	.53	1.26	.381	3	D5
5565236	GT625520	5565235	GT625519	M10 X 1,5	2.93	.53	1.26	.381	3	D6
5565238	GT625522	5565237	GT625521	M12 X 1,75	3.38	.77	1.74	.367	3	D6

High-Performance Taps

- WN48EG DLC for aluminum.

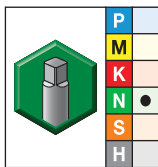


Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
3,5-6	+0, -0,030
7-10	+0, -0,036
11-18	+0, -0,043



■ GT80 • Form C Semi-Bottoming Chamfer • Metric DIN 371 and 376 • For Aluminum



- first choice
- alternate choice

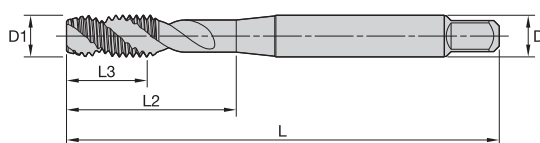
grade WN48EG DLC		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4160054	GT805001	M3 X 0,5	56	6	18	3,5	2	DIN 371	6H
4160055	GT805002	M4 X 0,7	63	7	21	4,5	2	DIN 371	6H
4160056	GT805003	M5 X 0,8	70	8	25	6,0	2	DIN 371	6H
4160057	GT805004	M6 X 1	80	10	30	6,0	2	DIN 371	6H
4160058	GT805005	M8 X 1,25	90	14	35	8,0	2	DIN 371	6H
4160059	GT805006	M10 X 1,5	100	16	39	10,0	2	DIN 371	6H
4160060	GT805007	M12 X 1,75	110	18	—	9,0	3	DIN 376	6H
4160061	GT805008	M16 X 2	110	22	—	12,0	3	DIN 376	6H
4160062	GT805009	M20 X 2,5	140	25	—	16,0	3	DIN 376	6H

High-Performance Taps

Victory™ Spiral-Flute HSS-E Taps • Blind Holes

WIDIA
GTD™

- WN44EG TiN + CrC/C for aluminum.

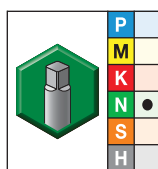


Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030

WIDIA
VICTORY

- GT82 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • DIN Length ANSI Shank
- For Aluminum

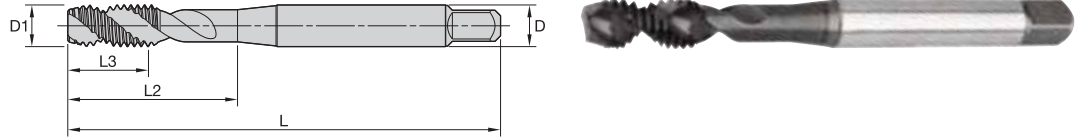


- first choice
- alternate choice

grade WN44EG TiN+CrC/C		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5690761	GT825010	2 - 56	1.77	.31	.71	.141	2	H2
5690762	GT825011	4 - 40	2.20	.31	.71	.141	2	H2
5690765	GT825012	5 - 40	2.20	.31	.71	.141	2	H2
5690766	GT825013	6 - 32	2.20	.35	.79	.141	2	H3
5690767	GT825014	8 - 32	2.48	.43	.83	.168	2	H3
5690768	GT825015	10 - 24	2.76	.47	.98	.194	2	H3
5690769	GT825016	10 - 32	2.76	.47	.98	.194	2	H3
5690780	GT825017	1/4 - 20	3.15	.59	1.18	.255	2	H3
5690781	GT825018	1/4 - 20	3.15	.59	1.18	.255	2	H5
5690782	GT825019	1/4 - 28	3.15	.59	1.18	.255	2	H3
5690783	GT825020	1/4 - 28	3.15	.59	1.18	.255	2	H4
5690784	GT825021	5/16 - 18	3.54	.59	1.38	.318	2	H3
5690785	GT825022	5/16 - 18	3.54	.59	1.38	.318	2	H5
5690786	GT825023	5/16 - 24	3.54	.59	1.38	.318	2	H3
5690787	GT825024	5/16 - 24	3.54	.59	1.38	.318	2	H4
5690788	GT825025	3/8 - 16	3.94	.75	1.54	.381	2	H3
5690789	GT825026	3/8 - 16	3.94	.75	1.54	.381	2	H5
5690790	GT825027	3/8 - 24	3.94	.75	1.54	.381	2	H3
5690791	GT825028	3/8 - 24	3.94	.75	1.54	.381	2	H4
5690792	GT825029	7/16 - 14	3.94	.71	1.61	.323	3	H3
5690793	GT825030	7/16 - 14	3.94	.71	1.61	.323	3	H5
5690795	GT825031	7/16 - 20	3.94	.71	1.61	.323	3	H3
5690796	GT825032	7/16 - 20	3.94	.71	1.61	.323	3	H5
5690797	GT825033	1/2 - 13	4.33	.91	1.85	.367	3	H4
5690798	GT825034	1/2 - 13	4.33	.91	1.85	.367	3	H5
5690799	GT825035	1/2 - 20	4.33	.91	1.85	.367	3	H3
5690800	GT825036	1/2 - 20	4.33	.91	1.85	.367	3	H5

High-Performance Taps

- WN44EG TiN + CrC/C for aluminum.

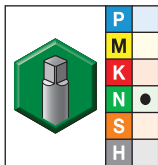


Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030



■ GT82 • Form C Semi-Bottoming Chamfer • Metric • DIN Length ANSI Shank • For Aluminum



- first choice
- alternate choice

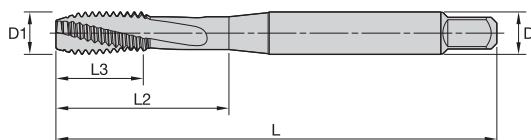
grade WN44EG TiN+CrC/C		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5690801	GT825037	M3 X 0,5	2.20	.31	.71	.141	2	D3
5690802	GT825038	M3,5 X 0,6	2.20	.35	.79	.141	2	D4
5690803	GT825039	M4 X 0,7	2.48	.43	.83	.168	2	D4
5690804	GT825040	M5 X 0,8	2.76	.47	.98	.194	2	D4
5690805	GT825041	M6 X 1	3.15	.47	1.18	.255	2	D5
5690806	GT825042	M7 X 1	3.54	.59	1.38	.318	2	D5
5690807	GT825043	M8 X 1	3.54	.59	1.38	.318	2	D5
5690808	GT825044	M8 X 1,25	3.54	.59	1.38	.318	2	D5
5690809	GT825045	M10 X 1,25	3.94	.71	1.54	.381	2	D5
5690810	GT825046	M10 X 1,5	3.94	.71	1.54	.381	2	D6
5690811	GT825047	M12 X 1,25	4.33	.83	1.73	.367	3	D6
5690812	GT825048	M12 X 1,5	4.33	.83	1.73	.367	3	D6
5690813	GT825049	M12 X 1,75	4.33	.83	1.73	.367	3	D6

High-Performance Taps

Victory™ Spiral-Flute HSS-E Taps • Blind Holes

WIDIA
GTD™

- WN44EG TiN + CrC/C for aluminum.

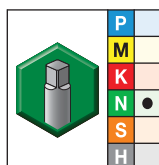


Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030

WIDIA
VICTORY

- GT86 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • DIN Length ANSI Shank
- For Aluminum

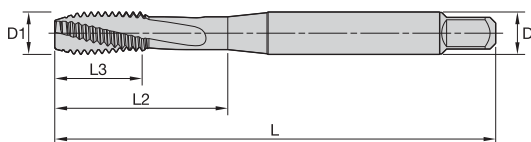


- first choice
- alternate choice

grade WN44EG TiN+CrC/C		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5690817	GT865010	2 - 56	1.77	.31	.71	.141	3	H2
5690818	GT865011	4 - 40	2.20	.31	.71	.141	3	H2
5690819	GT865012	5 - 40	2.20	.31	.71	.141	3	H2
5690840	GT865013	6 - 32	2.20	.35	.79	.141	3	H3
5690841	GT865014	8 - 32	2.48	.43	.83	.168	3	H3
5690842	GT865015	10 - 24	2.76	.47	.98	.194	3	H3
5690843	GT865016	10 - 32	2.76	.47	.98	.194	3	H3
5690844	GT865017	1/4 - 20	3.15	.59	1.18	.255	3	H3
5690845	GT865018	1/4 - 20	3.15	.59	1.18	.255	3	H5
5690846	GT865019	1/4 - 28	3.15	.59	1.18	.255	3	H3
5690847	GT865020	1/4 - 28	3.15	.59	1.18	.255	3	H4
5690849	GT865021	5/16 - 18	3.54	.59	1.38	.318	3	H3
5690850	GT865022	5/16 - 18	3.54	.59	1.38	.318	3	H5
5690851	GT865023	5/16 - 24	3.54	.59	1.38	.318	3	H3
5690852	GT865024	5/16 - 24	3.54	.59	1.38	.318	3	H4
5690853	GT865025	3/8 - 16	3.94	.75	1.54	.381	3	H3
5690854	GT865026	3/8 - 16	3.94	.75	1.54	.381	3	H5
5690855	GT865027	3/8 - 24	3.94	.75	1.54	.381	3	H3
5690856	GT865028	3/8 - 24	3.94	.75	1.54	.381	3	H4
5690857	GT865029	7/16 - 14	3.94	.71	1.61	.323	3	H3
5690858	GT865030	7/16 - 14	3.94	.71	1.61	.323	3	H5
5690859	GT865031	7/16 - 20	3.94	.71	1.61	.323	3	H3
5690860	GT865032	7/16 - 20	3.94	.71	1.61	.323	3	H5
5690861	GT865033	1/2 - 13	4.33	.91	1.85	.367	3	H4
5690862	GT865034	1/2 - 13	4.33	.91	1.85	.367	3	H5
5690863	GT865035	1/2 - 20	4.33	.91	1.85	.367	3	H3
5690864	GT865036	1/2 - 20	4.33	.91	1.85	.367	3	H5

High-Performance Taps

- WN44EG TiN + CrC/C for aluminum.

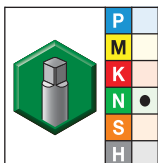


Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030



■ GT86 • Form C Semi-Bottoming Chamfer • Metric • DIN Length ANSI Shank • For Aluminum



- first choice
- alternate choice

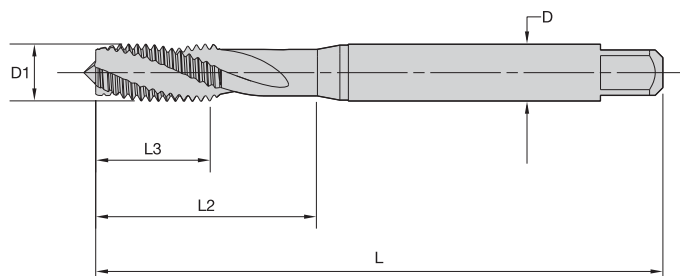
grade WN44EG TiN+CrC/C		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5690865	GT865037	M3 X 0,5	2.20	.31	.71	.141	3	D3
5690866	GT865038	M3,5 X 0,6	2.20	.35	.79	.141	3	D4
5690867	GT865039	M4 X 0,7	2.48	.43	.83	.168	3	D4
5690868	GT865040	M5 X 0,8	2.76	.47	.98	.194	3	D4
5690869	GT865041	M6 X 1	3.15	.47	1.18	.255	3	D5
5690880	GT865042	M7 X 1	3.54	.59	1.38	.318	3	D5
5690881	GT865043	M8 X 1	3.54	.59	1.38	.318	3	D5
5690882	GT865044	M8 X 1,25	3.54	.59	1.38	.318	3	D5
5690883	GT865045	M10 X 1,25	3.94	.71	1.54	.381	3	D5
5690884	GT865046	M10 X 1,5	3.94	.71	1.54	.381	3	D6
5690885	GT865047	M12 X 1,25	4.33	.83	1.73	.367	3	D6
5690886	GT865048	M12 X 1,5	4.33	.83	1.73	.367	3	D6
5690887	GT865049	M12 X 1,75	4.33	.83	1.73	.367	3	D6

High-Performance Taps

Victory™ Spiral-Flute HSS-E-PM Taps • Blind Holes

WIDIA
GTD™

- WP31MG TiN for steel
32–44 HRC.

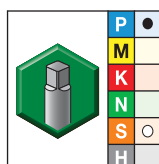


Shank Tolerance

D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052

WIDIA
VICTORY

■ GT02 • Form C Semi-Bottoming Chamfer • Metric DIN 371, 374, and 376 • For Hard Steel

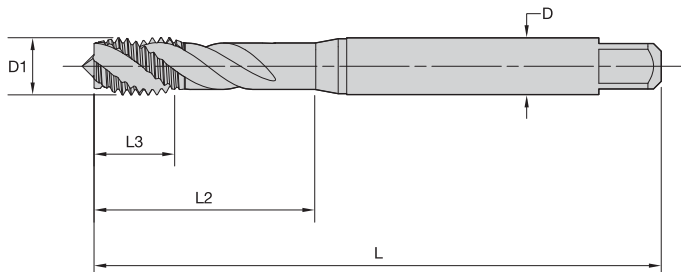


- first choice
- alternate choice

grade WP31MG TiN		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4152638	GT025001	M3 X 0,5	56	11	18	3,5	3	DIN 371	6H
4152639	GT025002	M4 X 0,7	63	13	21	4,5	3	DIN 371	6H
4152640	GT025003	M5 X 0,8	70	15	25	6,0	3	DIN 371	6H
4152641	GT025004	M6 X 1	80	17	30	6,0	3	DIN 371	6H
4152709	GT025012	M8 X 1	90	17	—	6,0	3	DIN 374	6H
4152642	GT025005	M8 X 1,25	90	20	35	8,0	3	DIN 371	6H
4152710	GT025013	M10 X 1	90	18	—	7,0	3	DIN 374	6H
4152711	GT025014	M10 X 1,25	100	22	—	7,0	3	DIN 374	6H
4152703	GT025006	M10 X 1,5	100	22	39	10,0	3	DIN 371	6H
4152712	GT025015	M12 X 1,25	100	22	—	9,0	3	DIN 374	6H
4152713	GT025016	M12 X 1,5	100	22	—	9,0	3	DIN 374	6H
4152704	GT025007	M12 X 1,75	110	24	44	12,0	3	DIN 376	6H
4152714	GT025017	M14 X 1,5	100	22	—	11,0	3	DIN 374	6H
4152705	GT025008	M14 X 2	110	26	52	11,0	3	DIN 376	6H
4152715	GT025018	M16 X 1,5	100	22	—	12,0	3	DIN 374	6H
4152706	GT025009	M16 X 2	110	27	—	12,0	3	DIN 376	6H
4152707	GT025010	M18 X 2	125	30	—	14,0	4	DIN 376	6H
4152708	GT025011	M20 X 2,5	140	32	—	16,0	4	DIN 376	6H

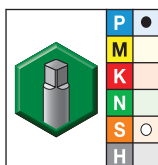
High-Performance Taps

- WH36MG TiAlN/MoS₂ for steel 32–44 HRC (3 x D).



Shank Tolerance

D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052


GT04 • Form C Semi-Bottoming Chamfer • Metric DIN 371, 374, and 376 • For Hard Steel


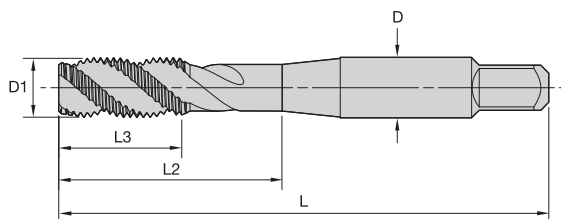
- first choice
- alternate choice

grade WH36MG TiN+MoS ₂		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
4158471	GT045001	M3 X 0,5	56	6	18	3,5	3	DIN 371	6H
4158472	GT045002	M4 X 0,7	63	7	21	4,5	3	DIN 371	6H
4158763	GT045003	M5 X 0,8	70	8	25	6,0	3	DIN 371	6H
4158764	GT045004	M6 X 1	80	10	30	6,0	3	DIN 371	6H
4158772	GT045012	M8 X 1	90	10	—	6,0	3	DIN 374	6H
4158765	GT045005	M8 X 1,25	90	14	35	8,0	3	DIN 371	6H
4158773	GT045013	M10 X 1	90	10	—	7,0	3	DIN 374	6H
4158774	GT045014	M10 X 1,25	100	16	—	7,0	3	DIN 374	6H
4158766	GT045006	M10 X 1,5	100	16	39	10,0	3	DIN 371	6H
4158775	GT045015	M12 X 1,25	100	15	—	9,0	4	DIN 374	6H
4158776	GT045016	M12 X 1,5	100	15	—	9,0	4	DIN 374	6H
4158767	GT045007	M12 X 1,75	110	18	—	9,0	4	DIN 376	6H
4158777	GT045017	M14 X 1,5	100	15	—	11,0	4	DIN 374	6H
4158768	GT045008	M14 X 2	110	20	—	11,0	4	DIN 376	6H
4158778	GT045018	M16 X 1,5	100	15	—	12,0	4	DIN 374	6H
4158769	GT045009	M16 X 2	110	22	—	12,0	4	DIN 376	6H
4158770	GT045010	M18 X 2,5	125	25	—	14,0	4	DIN 376	6H
4158771	GT045011	M20 X 2,5	140	25	—	16,0	4	DIN 376	6H

Multipurpose Taps

VariTap™ Spiral-Flute HSS-E Taps • Blind Holes

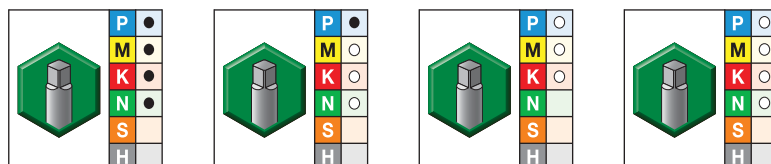
- WP42EG TiCN
- WU41EG TiN
- WP49EG oxide
- WU40EG bright



Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030

■ VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI

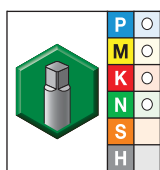
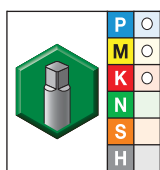
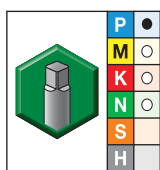
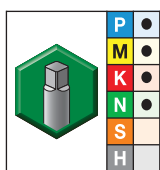


- first choice
- alternate choice

grade WP42EG TiCN		grade WU41EG TiN		grade WP49EG Oxide		grade WU40EG Bright		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5356669	VTSFT5001	-	-	5356668	VTSFT5001	5356730	VTSFT5001	2 - 56	1.76	.40	.50	.141	2	H2
5356732	VTSFT5002	-	-	5356731	VTSFT5002	5356733	VTSFT5002	3 - 48	1.82	.46	.57	.141	2	H2
5356736	VTSFT5003	5356735	VTSFT5003	5356734	VTSFT5003	5356737	VTSFT5003	4 - 40	1.88	.52	.70	.141	2	H2
5356739	VTSFT5004	-	-	5356738	VTSFT5004	5356740	VTSFT5004	4 - 40	1.88	.52	.70	.141	2	H3
5356742	VTSFT5005	-	-	5356741	VTSFT5005	5356743	VTSFT5005	4 - 40	1.88	.52	.70	.141	2	H4
5356745	VTSFT5006	-	-	5356744	VTSFT5006	5356746	VTSFT5006	4 - 40	1.88	.52	.70	.141	2	H5
-	-	-	-	5356747	VTSFT5007	-	-	4 - 40	1.88	.52	.70	.141	2	H6
5356749	VTSFT5008	-	-	5356748	VTSFT5008	5356750	VTSFT5008	4 - 48	1.88	.53	.70	.141	2	H2
5356753	VTSFT5009	5356752	VTSFT5009	5356751	VTSFT5009	5356754	VTSFT5009	5 - 40	1.95	.59	.76	.141	2	H2
5356756	VTSFT5010	-	-	5356755	VTSFT5010	5356757	VTSFT5010	6 - 32	2.00	.39	.72	.141	2	H2
5356760	VTSFT5011	5356759	VTSFT5011	5356758	VTSFT5011	5356761	VTSFT5011	6 - 32	2.00	.39	.72	.141	2	H3
-	-	-	-	5356762	VTSFT5012	-	-	6 - 32	2.00	.39	.72	.141	2	H4
5356764	VTSFT5013	-	-	5356763	VTSFT5013	5356765	VTSFT5013	6 - 32	2.00	.39	.72	.141	2	H5
5356767	VTSFT5014	-	-	5356766	VTSFT5014	5356768	VTSFT5014	6 - 32	2.00	.39	.72	.141	2	H7
5356770	VTSFT5015	-	-	5356769	VTSFT5015	5356771	VTSFT5015	6 - 32	2.00	.39	.72	.141	2	H11
5356773	VTSFT5016	-	-	5356772	VTSFT5016	5356774	VTSFT5016	6 - 40	2.00	.39	.72	.141	2	H2
-	-	-	-	5356775	VTSFT5017	-	-	6 - 40	2.00	.39	.72	.141	2	H3
5357304	VTSFT5018	-	-	5357303	VTSFT5018	5357305	VTSFT5018	8 - 32	2.13	.38	.77	.168	3	H2
5357308	VTSFT5019	5357307	VTSFT5019	5357306	VTSFT5019	5357309	VTSFT5019	8 - 32	2.13	.38	.77	.168	3	H3
-	-	-	-	5357370	VTSFT5020	-	-	8 - 32	2.13	.38	.77	.168	3	H4
5357372	VTSFT5021	-	-	5357371	VTSFT5021	5357373	VTSFT5021	8 - 32	2.13	.38	.77	.168	3	H5
-	-	-	-	5357374	VTSFT5022	-	-	8 - 32	2.13	.38	.77	.168	3	H6
5357376	VTSFT5023	-	-	5357375	VTSFT5023	5357377	VTSFT5023	8 - 32	2.13	.38	.77	.168	3	H7
5357379	VTSFT5024	-	-	5357378	VTSFT5024	5357380	VTSFT5024	8 - 32	2.13	.38	.77	.168	3	H11

(continued)

(VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI — continued)


 ● first choice
 ○ alternate choice

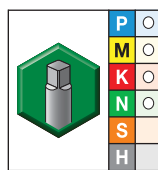
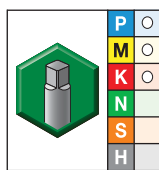
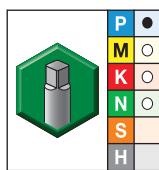
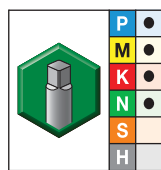
grade WP42EG TiCN		grade WU41EG TiN		grade WP49EG Oxide		grade WU40EG Bright		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
-	-	-	-	5357381	VTSFT5025	-	-	8 - 36	2.13	.38	.77	.168	3	H3
-	-	-	-	5357382	VTSFT5026	-	-	10 - 24	2.38	.50	.92	.194	3	H2
5357385	VTSFT5027	5357384	VTSFT5027	5357383	VTSFT5027	5357386	VTSFT5027	10 - 24	2.38	.50	.92	.194	3	H3
-	-	-	-	5357387	VTSFT5028	-	-	10 - 24	2.38	.50	.92	.194	3	H4
5357389	VTSFT5029	-	-	5357388	VTSFT5029	5357390	VTSFT5029	10 - 24	2.38	.50	.92	.194	3	H5
-	-	-	-	5357391	VTSFT5030	-	-	10 - 24	2.38	.50	.92	.194	3	H7
5357393	VTSFT5031	-	-	5357392	VTSFT5031	5357394	VTSFT5031	10 - 24	2.38	.50	.92	.194	3	H11
5357396	VTSFT5032	-	-	5357395	VTSFT5032	5357397	VTSFT5032	10 - 32	2.38	.50	.92	.194	3	H2
5357400	VTSFT5033	5357399	VTSFT5033	5357398	VTSFT5033	5357401	VTSFT5033	10 - 32	2.38	.50	.92	.194	3	H3
-	-	-	-	5357402	VTSFT5034	-	-	10 - 32	2.38	.50	.92	.194	3	H4
5357404	VTSFT5035	-	-	5357403	VTSFT5035	5357405	VTSFT5035	10 - 32	2.37	.50	.91	.194	3	H5
-	-	-	-	5357406	VTSFT5036	-	-	10 - 32	2.38	.50	.92	.194	3	H6
5357408	VTSFT5037	-	-	5357407	VTSFT5037	5357409	VTSFT5037	10 - 32	2.38	.50	.92	.194	3	H7
5357431	VTSFT5038	-	-	5357430	VTSFT5038	5357432	VTSFT5038	10 - 32	2.38	.50	.92	.194	3	H11
5364106	VTSFT5039	-	-	5364105	VTSFT5039	5364107	VTSFT5039	12 - 24	2.43	.50	.96	.220	3	H3
5364109	VTSFT5040	-	-	5364108	VTSFT5040	5364450	VTSFT5040	12 - 28	2.43	.50	.96	.220	3	H3
5364453	VTSFT5041	5364452	VTSFT5041	5364451	VTSFT5041	5364454	VTSFT5041	1/4 - 20	2.50	.63	1.00	.255	3	H3
5364456	VTSFT5042	-	-	5364455	VTSFT5042	5364457	VTSFT5042	1/4 - 20	2.50	.63	1.00	.255	3	H5
5364459	VTSFT5043	-	-	5364458	VTSFT5043	5364480	VTSFT5043	1/4 - 20	2.50	.63	1.00	.255	3	H7
5364482	VTSFT5044	-	-	5364481	VTSFT5044	5364483	VTSFT5044	1/4 - 20	2.50	.63	1.00	.255	3	H11
5364486	VTSFT5045	5364485	VTSFT5045	5364484	VTSFT5045	5364487	VTSFT5045	1/4 - 28	2.49	.62	1.00	.255	3	H3
5364489	VTSFT5046	-	-	5364488	VTSFT5046	5364490	VTSFT5046	1/4 - 28	2.49	.62	1.00	.255	3	H4
5364492	VTSFT5047	-	-	5364491	VTSFT5047	5364493	VTSFT5047	1/4 - 28	2.49	.62	1.00	.255	3	H5
-	-	-	-	5364494	VTSFT5048	-	-	1/4 - 28	2.49	.62	1.00	.255	3	H6
5364496	VTSFT5049	-	-	5364495	VTSFT5049	5364498	VTSFT5049	1/4 - 28	2.49	.62	1.00	.255	3	H7
5364500	VTSFT5050	-	-	5364499	VTSFT5050	5364501	VTSFT5050	1/4 - 28	2.49	.62	1.00	.255	3	H11
5364504	VTSFT5051	5364503	VTSFT5051	5364502	VTSFT5051	5364505	VTSFT5051	5/16 - 18	2.72	.69	1.13	.318	3	H3
5364507	VTSFT5052	-	-	5364506	VTSFT5052	5364508	VTSFT5052	5/16 - 18	2.72	.69	1.13	.318	3	H5
5364510	VTSFT5053	-	-	5364509	VTSFT5053	5364511	VTSFT5053	5/16 - 18	2.72	.69	1.13	.318	3	H7
5364513	VTSFT5054	-	-	5364512	VTSFT5054	5364514	VTSFT5054	5/16 - 18	2.72	.69	1.13	.318	3	H11
5364517	VTSFT5055	5364516	VTSFT5055	5364515	VTSFT5055	5364518	VTSFT5055	5/16 - 24	2.71	.68	1.13	.318	3	H3
5364530	VTSFT5056	-	-	5364519	VTSFT5056	5364531	VTSFT5056	5/16 - 24	2.71	.68	1.13	.318	3	H4
5364533	VTSFT5057	-	-	5364532	VTSFT5057	5364534	VTSFT5057	5/16 - 24	2.71	.68	1.13	.318	3	H5
5364536	VTSFT5058	-	-	5364535	VTSFT5058	5364537	VTSFT5058	5/16 - 24	2.71	.68	1.12	.318	3	H6
5364539	VTSFT5059	-	-	5364538	VTSFT5059	5364540	VTSFT5059	5/16 - 24	2.71	.68	1.12	.318	3	H7
5364542	VTSFT5060	-	-	5364541	VTSFT5060	5364543	VTSFT5060	5/16 - 24	2.71	.68	1.12	.318	3	H11
5364546	VTSFT5061	5364545	VTSFT5061	5364544	VTSFT5061	5364548	VTSFT5061	3/8 - 16	2.94	.75	1.27	.381	3	H3
5364550	VTSFT5062	-	-	5364549	VTSFT5062	5364551	VTSFT5062	3/8 - 16	2.94	.75	1.27	.381	3	H5
5364554	VTSFT5063	-	-	5364553	VTSFT5063	5364555	VTSFT5063	3/8 - 16	2.94	.75	1.27	.381	3	H7
5364557	VTSFT5064	-	-	5364556	VTSFT5064	5364558	VTSFT5064	3/8 - 16	2.93	.75	1.27	.381	3	H11

(continued)

Multipurpose Taps

VariTap™ Spiral-Flute HSS-E Taps • Blind Holes

(VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI — continued)

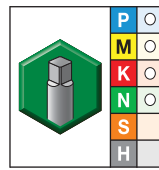
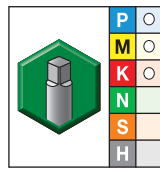
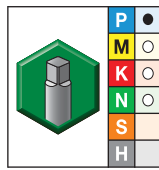
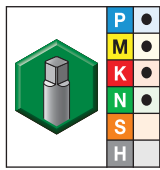


● first choice
○ alternate choice

grade WP42EG TiCN		grade WU41EG TiN		grade WP49EG Oxide		grade WU40EG Bright		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5364561	VTSFT5065	5364560	VTSFT5065	5364559	VTSFT5065	5364562	VTSFT5065	3/8 - 24	2.92	.74	1.25	.381	3	H3
5364564	VTSFT5066	—	—	5364563	VTSFT5066	5364565	VTSFT5066	3/8 - 24	2.92	.74	1.25	.381	3	H4
5364567	VTSFT5067	—	—	5364566	VTSFT5067	5364568	VTSFT5067	3/8 - 24	2.92	.74	1.25	.381	3	H5
—	—	—	—	5364569	VTSFT5068	—	—	3/8 - 24	2.92	.74	1.25	.381	3	H6
5364571	VTSFT5069	—	—	5364570	VTSFT5069	5364572	VTSFT5069	3/8 - 24	2.92	.74	1.25	.381	3	H7
5364574	VTSFT5070	—	—	5364573	VTSFT5070	5364575	VTSFT5070	3/8 - 24	2.92	.74	1.25	.381	3	H11
5364579	VTSFT5071	5364578	VTSFT5071	5364577	VTSFT5071	5364600	VTSFT5071	7/16 - 14	3.16	.88	1.42	.323	3	H3
5364602	VTSFT5072	—	—	5364601	VTSFT5072	5364603	VTSFT5072	7/16 - 14	3.16	.88	1.42	.323	3	H5
5364605	VTSFT5073	—	—	5364604	VTSFT5073	5364606	VTSFT5073	7/16 - 14	3.16	.88	1.42	.323	3	H7
5364608	VTSFT5074	—	—	5364607	VTSFT5074	5364609	VTSFT5074	7/16 - 14	3.16	.88	1.42	.323	3	H11
5364612	VTSFT5075	5364611	VTSFT5075	5364610	VTSFT5075	5364613	VTSFT5075	7/16 - 20	3.16	.88	1.42	.323	3	H3
5364615	VTSFT5076	—	—	5364614	VTSFT5076	5364616	VTSFT5076	7/16 - 20	3.16	.88	1.42	.323	3	H5
—	—	—	—	5364617	VTSFT5077	—	—	7/16 - 20	3.16	.88	1.42	.323	3	H6
5364619	VTSFT5078	—	—	5364618	VTSFT5078	5364620	VTSFT5078	7/16 - 20	3.16	.88	1.42	.323	3	H7
5364622	VTSFT5079	—	—	5364621	VTSFT5079	5364623	VTSFT5079	7/16 - 20	3.16	.88	1.42	.323	3	H11
5364626	VTSFT5080	5364625	VTSFT5080	5364624	VTSFT5080	5364627	VTSFT5080	1/2 - 13	3.38	.94	1.65	.367	3	H3
5364629	VTSFT5081	—	—	5364628	VTSFT5081	5364630	VTSFT5081	1/2 - 13	3.38	.94	1.65	.367	3	H5
5364632	VTSFT5082	—	—	5364631	VTSFT5082	5364633	VTSFT5082	1/2 - 13	3.38	.94	1.65	.367	3	H7
5364635	VTSFT5083	—	—	5364634	VTSFT5083	5364636	VTSFT5083	1/2 - 13	3.38	.94	1.65	.367	3	H11
5364639	VTSFT5084	5364638	VTSFT5084	5364637	VTSFT5084	5364640	VTSFT5084	1/2 - 20	3.38	.94	1.65	.367	3	H3
5364642	VTSFT5085	—	—	5364641	VTSFT5085	5364643	VTSFT5085	1/2 - 20	3.38	.94	1.65	.367	3	H5
—	—	—	—	5364644	VTSFT5086	—	—	1/2 - 20	3.38	.94	1.65	.367	3	H6
5364646	VTSFT5087	—	—	5364645	VTSFT5087	5364647	VTSFT5087	1/2 - 20	3.38	.94	1.74	.367	3	H7
5364649	VTSFT5088	—	—	5364648	VTSFT5088	5364670	VTSFT5088	1/2 - 20	3.38	.94	1.74	.367	3	H11
5364673	VTSFT5089	5364672	VTSFT5089	5364671	VTSFT5089	5364674	VTSFT5089	9/16 - 12	3.59	1.00	1.74	.429	3	H3
—	—	—	—	5364675	VTSFT5090	5364676	VTSFT5090	9/16 - 12	3.59	1.00	1.74	.429	3	H5
5364679	VTSFT5091	5364678	VTSFT5091	5364677	VTSFT5091	5364680	VTSFT5091	9/16 - 18	3.59	1.00	1.74	.429	3	H3
—	—	—	—	5364681	VTSFT5092	5364682	VTSFT5092	9/16 - 18	3.59	1.00	1.74	.429	3	H5
5364685	VTSFT5093	5364684	VTSFT5093	5364683	VTSFT5093	5364686	VTSFT5093	5/8 - 11	3.81	2.00	1.89	.480	3	H3
5364688	VTSFT5094	—	—	5364687	VTSFT5094	5364689	VTSFT5094	5/8 - 11	3.81	1.09	1.89	.480	3	H5
—	—	—	—	5364690	VTSFT5095	—	—	5/8 - 11	3.81	1.09	1.89	.480	3	H7
5364693	VTSFT5096	5364692	VTSFT5096	5364691	VTSFT5096	5364694	VTSFT5096	5/8 - 18	3.81	1.09	1.89	.480	3	H3
—	—	—	—	5364695	VTSFT5097	5364696	VTSFT5097	5/8 - 18	3.81	1.09	1.89	.480	3	H5
—	—	—	—	5364697	VTSFT5098	—	—	5/8 - 18	3.81	1.09	1.89	.480	3	H6
—	—	—	—	5364698	VTSFT5099	—	—	5/8 - 18	3.81	1.09	1.89	.480	3	H7
5364701	VTSFT5100	5364700	VTSFT5100	5364699	VTSFT5100	5364702	VTSFT5100	3/4 - 10	4.25	1.22	2.08	.590	4	H3
5364704	VTSFT5101	—	—	5364703	VTSFT5101	5364705	VTSFT5101	3/4 - 10	4.25	1.22	2.08	.590	4	H5
5364708	VTSFT5102	5364707	VTSFT5102	5364706	VTSFT5102	5364709	VTSFT5102	3/4 - 16	4.25	1.22	2.08	.590	4	H3
5364711	VTSFT5103	—	—	5364710	VTSFT5103	5364712	VTSFT5103	3/4 - 16	4.25	1.22	2.08	.590	4	H5
—	—	—	—	5364713	VTSFT5104	—	—	3/4 - 16	4.25	1.22	2.08	.590	4	H7

(continued)

(VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI — continued)


 ● first choice
 ○ alternate choice

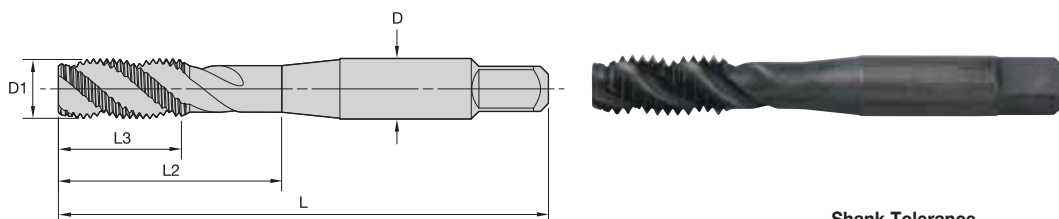
grade WP42EG TiCN		grade WU41EG TiN		grade WP49EG Oxide		grade WU40EG Bright		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	order #	catalog #	order #	catalog #	D1 TPI	L	L3	L2	D		
5364716	VTSFT5105	5364715	VTSFT5105	5364714	VTSFT5105	5364717	VTSFT5105	7/8 - 9	4.69	1.34	2.30	.697	4	H4
5364719	VTSFT5106	—	—	5364718	VTSFT5106	5364720	VTSFT5106	7/8 - 9	4.69	1.34	2.30	.697	4	H5
5364723	VTSFT5107	5364722	VTSFT5107	5364721	VTSFT5107	5364724	VTSFT5107	7/8 - 14	4.69	1.34	2.30	.697	4	H4
5364727	VTSFT5108	5364725	VTSFT5108	5364726	VTSFT5108	5364728	VTSFT5108	1 - 8	5.13	1.50	2.58	.800	4	H5
5364740	VTSFT5109	—	—	5364729	VTSFT5109	5364741	VTSFT5109	1 - 12	5.13	1.50	2.58	.800	4	H4
—	—	—	—	5364742	VTSFT5110	—	—	1 1/8 - 7	5.44	1.71	2.56	.896	4	H6
—	—	—	—	5364744	VTSFT5111	—	—	1 1/8 - 8	5.44	1.71	2.56	.896	4	H6
—	—	—	—	5364743	VTSFT5112	—	—	1 1/8 - 12	5.44	1.71	2.56	.896	4	H5
—	—	—	—	5364746	VTSFT5113	5364745	VTSFT5113	1 1/4 - 7	5.75	1.71	2.56	1.021	4	H6
—	—	—	—	5364747	VTSFT5114	—	—	1 1/4 - 12	5.75	1.71	2.56	1.021	4	H5
—	—	—	—	5364748	VTSFT5115	—	—	1 1/4 - 8	5.75	1.71	2.56	1.021	4	H6
—	—	—	—	5364749	VTSFT5116	—	—	1 3/8 - 6	6.06	2.00	3.00	1.108	5	H6
—	—	—	—	5364750	VTSFT5117	—	—	1 3/8 - 12	6.06	2.00	3.00	1.108	5	H5
—	—	—	—	5364751	VTSFT5118	—	—	1 3/8 - 8	6.06	2.00	3.00	1.108	5	H6
—	—	—	—	5364752	VTSFT5119	—	—	1 1/2 - 6	6.38	2.00	3.00	1.233	5	H6
—	—	—	—	5364754	VTSFT5120	—	—	1 1/2 - 8	6.38	2.00	3.00	1.233	5	H6
—	—	—	—	5364753	VTSFT5121	—	—	1 1/2 - 12	6.38	2.00	3.00	1.233	5	H5
—	—	—	—	5364755	VTSFT5122	—	—	1 3/4 - 5	7.00	2.40	3.19	1.429	5	H7
—	—	—	—	—	—	5364756	VTSFT5123	2 - 4 1/2	7.63	2.67	3.56	1.643	5	H7

 NOTE: Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 2B or 3B class of fit.
 VariTap for 3B class of fit is suitable for UNJ aerospace internal threading applications.

Multipurpose Taps

VariTap™ Spiral-Flute HSS-E Taps • Blind Holes

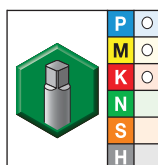
- WP49EG oxide



Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030

■ VT-SFT • Form E Bottoming Chamfer • Machine Screw and Fractional • ANSI



- first choice
- alternate choice

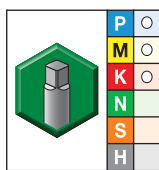
grade WP49EG
Oxide

inch dimensions

order #	catalog #	D1 TPI	L	L3	L2	D	number of flutes	pitch diameter limit
5390145	VTSFT5130	4 - 40	1.88	.51	.69	.141	2	H2
5390146	VTSFT5131	4 - 40	1.88	.51	.69	.141	2	H3
5390147	VTSFT5132	4 - 40	1.88	.51	.69	.141	2	H5
5390148	VTSFT5133	5 - 40	1.94	.58	.75	.141	2	H2
5390149	VTSFT5134	6 - 32	1.99	.38	.71	.141	2	H2
5390220	VTSFT5135	6 - 32	1.99	.38	.71	.141	2	H3
5390221	VTSFT5136	6 - 32	1.99	.38	.71	.141	2	H5
5390222	VTSFT5137	6 - 40	1.99	.37	.71	.141	2	H2
5390223	VTSFT5138	6 - 40	1.99	.37	.71	.141	2	H3
5390224	VTSFT5139	8 - 32	2.12	.38	.76	.168	3	H2
5390225	VTSFT5140	8 - 32	2.12	.38	.76	.168	3	H3
5390226	VTSFT5141	8 - 32	2.12	.38	.76	.168	3	H5
5390227	VTSFT5142	10 - 24	2.37	.50	.91	.194	3	H3
5390228	VTSFT5143	10 - 24	2.37	.50	.91	.194	3	H5
5390229	VTSFT5144	10 - 32	2.36	.49	.91	.194	3	H3
5390230	VTSFT5145	10 - 32	2.36	.49	.91	.194	3	H5
5390231	VTSFT5146	1/4 - 20	2.50	.63	1.00	.255	3	H3
5390232	VTSFT5147	1/4 - 20	2.50	.63	1.00	.255	3	H5
5390233	VTSFT5148	1/4 - 28	2.49	.62	1.00	.255	3	H3
5390234	VTSFT5149	1/4 - 28	2.49	.62	1.00	.255	3	H5
5390235	VTSFT5150	5/16 - 18	2.72	.69	1.13	.318	3	H3
5390236	VTSFT5151	5/16 - 18	2.72	.69	1.13	.318	3	H5
5390237	VTSFT5152	5/16 - 24	2.71	.68	1.13	.318	3	H3
5390238	VTSFT5153	5/16 - 24	2.71	.68	1.12	.318	3	H5

(continued)

(VT-SFT • Form E Bottoming Chamfer • Machine Screw and Fractional • ANSI — continued)



- first choice
- alternate choice

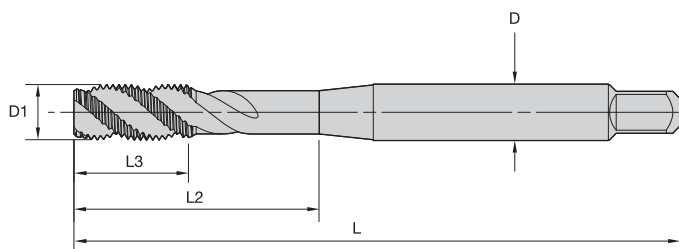
grade WP49EG Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5390239	VTSFT5154	3/8 - 16	2.94	.75	1.27	.381	3	H3
5390240	VTSFT5155	3/8 - 16	2.94	.75	1.27	.381	3	H5
5390241	VTSFT5156	3/8 - 24	2.92	.74	1.25	.381	3	H3
5390242	VTSFT5157	3/8 - 24	2.92	.74	1.25	.381	3	H4
5390243	VTSFT5158	3/8 - 24	2.92	.74	1.25	.381	3	H5
5390244	VTSFT5159	7/16 - 14	3.16	.88	1.49	.323	3	H3
5390245	VTSFT5160	7/16 - 14	3.16	.88	1.49	.323	3	H5
5390246	VTSFT5161	7/16 - 20	3.16	.88	1.49	.323	3	H3
5390247	VTSFT5162	7/16 - 20	3.16	.88	1.49	.323	3	H5
5390248	VTSFT5163	1/2 - 13	3.38	.94	1.74	.367	3	H3
5390249	VTSFT5164	1/2 - 13	3.38	.94	1.74	.367	3	H5
5390260	VTSFT5165	1/2 - 20	3.38	.94	1.74	.367	3	H3
5390261	VTSFT5166	9/16 - 12	3.59	1.00	1.74	.429	3	H3
5390262	VTSFT5167	9/16 - 18	3.59	1.00	1.74	.429	3	H3
5390263	VTSFT5168	5/8 - 11	3.81	1.09	1.89	.480	3	H3
5390264	VTSFT5169	5/8 - 11	3.81	1.09	1.89	.480	3	H5
5390265	VTSFT5170	5/8 - 18	3.81	1.09	1.89	.480	3	H3
5390266	VTSFT5171	5/8 - 18	3.81	1.09	1.89	.480	3	H5
5390267	VTSFT5172	3/4 - 10	4.25	1.22	2.08	.590	4	H3
5390268	VTSFT5173	3/4 - 16	4.25	1.22	2.08	.590	4	H3

NOTE: Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 2B or 3B class of fit.
 VariTap for 3B class of fit is suitable for UNJ aerospace internal threading applications.

Multipurpose Taps

VariTap™ Spiral-Flute HSS-E Taps • Blind Holes

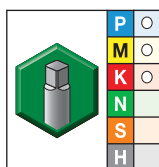
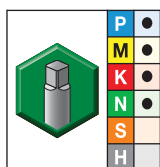
- WP42EG TiCN
- WP49EG oxide



Shank Tolerance

D inch	tolerance
0.141–0.635	+0, -.0015
>0.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

■ VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • DIN Length ANSI Shank

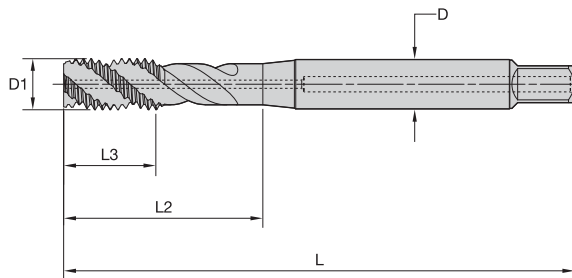


- first choice
- alternate choice

grade WP42EG TiCN		grade WP49EG Oxide		inch dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
5436673	VTSFT9008	5436672	VTSFT9008	4 - 40	2.20	.31	.71	.141	2	DIN-ANSI	2B
5436675	VTSFT9009	5436674	VTSFT9009	6 - 32	2.20	.35	.79	.141	2	DIN-ANSI	2B
5436677	VTSFT9010	5436676	VTSFT9010	8 - 32	2.48	.43	.83	.168	3	DIN-ANSI	2B
5436679	VTSFT9011	5436678	VTSFT9011	10 - 24	2.76	.47	.99	.194	3	DIN-ANSI	2B
5436701	VTSFT9012	5436700	VTSFT9012	10 - 32	2.75	.47	.98	.194	3	DIN-ANSI	2B
5436703	VTSFT9013	5436702	VTSFT9013	1/4 - 20	3.15	.59	1.18	.255	3	DIN-ANSI	2B
5436705	VTSFT9014	5436704	VTSFT9014	1/4 - 28	3.14	.58	1.17	.255	3	DIN-ANSI	2B
5436707	VTSFT9015	5436706	VTSFT9015	5/16 - 18	3.54	.59	1.38	.318	3	DIN-ANSI	2B
5436709	VTSFT9016	5436708	VTSFT9016	5/16 - 24	3.53	.58	1.37	.318	3	DIN-ANSI	2B
5436721	VTSFT9017	5436720	VTSFT9017	3/8 - 16	3.94	.75	1.54	.381	3	DIN-ANSI	2B
5436723	VTSFT9018	5436722	VTSFT9018	3/8 - 24	3.92	.73	1.52	.381	3	DIN-ANSI	2B
5436725	VTSFT9019	5436724	VTSFT9019	7/16 - 14	3.94	.71	1.61	.323	3	DIN-ANSI	2B
5436727	VTSFT9020	5436726	VTSFT9020	7/16 - 20	3.94	.71	1.61	.323	3	DIN-ANSI	2B
5436729	VTSFT9021	5436728	VTSFT9021	1/2 - 13	4.33	.91	1.85	.367	3	DIN-ANSI	2B
5436731	VTSFT9022	5436730	VTSFT9022	1/2 - 20	4.33	.91	1.85	.367	3	DIN-ANSI	2B
5436733	VTSFT9023	5436732	VTSFT9023	5/8 - 11	4.33	.94	2.01	.480	3	DIN-ANSI	2B
5436735	VTSFT9024	5436734	VTSFT9024	5/8 - 18	4.33	.94	2.01	.480	3	DIN-ANSI	2B
5436737	VTSFT9025	5436736	VTSFT9025	3/4 - 10	4.92	1.18	2.52	.590	3	DIN-ANSI	2B
5436739	VTSFT9026	5436738	VTSFT9026	3/4 - 16	4.92	1.18	2.52	.590	3	DIN-ANSI	2B

Multipurpose Taps

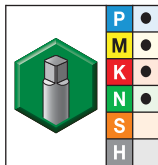
• WP42EG TiCN



Shank Tolerance

D inch	tolerance
0.141–0.635	+0, -.0015
>0.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

■ VT-SFT • Form C Semi-Bottoming Chamfer • Through Coolant • Fractional • DIN Length ANSI Shank

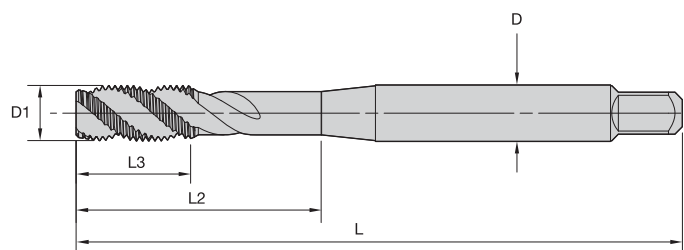


- first choice
- alternate choice

grade WP42EG TiCN		inch dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 TPI	L	L3	L2	D			
5436357	VTSFT9762	1/4 - 20	3.15	.59	1.18	.255	3	DIN-ANSI	2B
5436358	VTSFT9763	1/4 - 28	3.15	.59	1.18	.255	3	DIN-ANSI	2B
5436359	VTSFT9764	5/16 - 18	3.54	.59	1.38	.318	3	DIN-ANSI	2B
5436460	VTSFT9765	5/16 - 24	3.54	.59	1.38	.318	3	DIN-ANSI	2B
5436461	VTSFT9766	3/8 - 16	3.94	.75	1.54	.381	3	DIN-ANSI	2B
5436462	VTSFT9767	3/8 - 24	3.94	.75	1.54	.381	3	DIN-ANSI	2B
5436463	VTSFT9768	7/16 - 14	3.94	.71	1.61	.323	3	DIN-ANSI	2B
5436464	VTSFT9769	7/16 - 20	3.94	.71	1.61	.323	3	DIN-ANSI	2B
5436465	VTSFT9770	1/2 - 13	3.94	.91	1.85	.367	3	DIN-ANSI	2B
5436466	VTSFT9771	1/2 - 20	4.33	.91	1.85	.367	3	DIN-ANSI	2B
5436467	VTSFT9772	9/16 - 18	4.33	.98	2.09	.429	3	DIN-ANSI	2B
5436468	VTSFT9773	5/8 - 11	4.33	.94	2.01	.480	3	DIN-ANSI	2B
5436469	VTSFT9774	5/8 - 18	4.33	.94	2.01	.480	3	DIN-ANSI	2B
5436470	VTSFT9775	3/4 - 10	4.92	1.18	2.52	.590	4	DIN-ANSI	2B
5436471	VTSFT9776	3/4 - 16	4.92	1.18	2.52	.590	4	DIN-ANSI	2B
5436472	VTSFT9777	7/8 - 9	5.51	1.34	2.80	.697	4	DIN-ANSI	2B
5436473	VTSFT9778	7/8 - 14	5.51	1.34	2.80	.697	4	DIN-ANSI	2B
5436474	VTSFT9779	1 - 8	6.30	1.50	3.19	.800	4	DIN-ANSI	2B

Multipurpose Taps

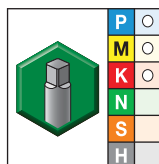
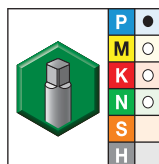
- WU41EG TiN
- WP49EG oxide



Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
>3-6	+0, -0,030
>6-10	+0, -0,036
>10-18	+0, -0,043
>18-30	+0, -0,052

■ VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • DIN 371 and 376

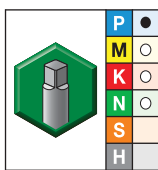
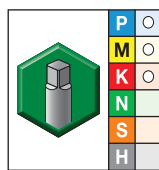


- first choice
- alternate choice

grade WU41EG TiN		grade WP49EG Oxide		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
5472587	VTSFT6005	5387487	VTSFT6005	4 - 40	56	8	18	3,5	2	DIN 371	2B
5472589	VTSFT6007	5387489	VTSFT6007	5 - 40	56	9	20	4,0	2	DIN 371	2B
5472600	VTSFT6008	5387640	VTSFT6008	6 - 32	56	9	20	4,0	2	DIN 371	2B
5472602	VTSFT6010	5387642	VTSFT6010	6 - 40	56	9	20	4,0	2	DIN 371	2B
5472603	VTSFT6011	5387643	VTSFT6011	8 - 32	63	11	21	4,5	3	DIN 371	2B
5472605	VTSFT6013	5387645	VTSFT6013	10 - 24	70	12	25	6,0	3	DIN 371	2B
5472606	VTSFT6014	5387646	VTSFT6014	10 - 32	70	12	25	6,0	3	DIN 371	2B
5472608	VTSFT6016	5387648	VTSFT6016	1/4 - 20	80	15	30	7,0	3	DIN 371	2B
5472609	VTSFT6017	5387649	VTSFT6017	1/4 - 28	80	15	30	7,0	3	DIN 371	2B
5472611	VTSFT6019	5387651	VTSFT6019	5/16 - 18	90	15	35	8,0	3	DIN 371	2B
5472612	VTSFT6020	5387652	VTSFT6020	5/16 - 24	90	15	35	8,0	3	DIN 371	2B
5472614	VTSFT6022	5387654	VTSFT6022	3/8 - 16	100	19	39	10,0	3	DIN 371	2B
5472615	VTSFT6023	5387655	VTSFT6023	3/8 - 24	100	19	39	10,0	3	DIN 371	2B
5472617	VTSFT6025	5387657	VTSFT6025	7/16 - 14	100	18	41	8,0	3	DIN 376	2B
5472618	VTSFT6026	5387658	VTSFT6026	7/16 - 20	100	18	41	8,0	3	DIN 376	2B
5472620	VTSFT6028	5387670	VTSFT6028	1/2 - 13	110	23	40	9,0	3	DIN 376	2B
5472621	VTSFT6029	5387671	VTSFT6029	1/2 - 20	110	23	40	9,0	3	DIN 376	2B
5472623	VTSFT6031	5387673	VTSFT6031	9/16 - 12	110	25	32	11,0	3	DIN 376	2B
5472624	VTSFT6032	5387674	VTSFT6032	9/16 - 18	110	25	32	11,0	3	DIN 376	2B
5472625	VTSFT6033	5387675	VTSFT6033	5/8 - 11	110	24	35	12,0	3	DIN 376	2B

(continued)

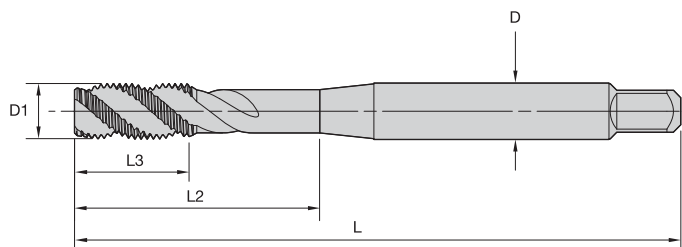
(VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • DIN 371 and 376 — continued)


 grade WU41EG
TiN

 grade WP49EG
Oxide

- first choice
- alternate choice

				metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
5472626	VTSFT6034	5387676	VTSFT6034	5/8 - 18	110	24	35	12,0	3	DIN 376	2B
5472627	VTSFT6035	5387677	VTSFT6035	3/4 - 10	140	30	46	16,0	4	DIN 376	2B
5472628	VTSFT6036	5387678	VTSFT6036	3/4 - 16	140	30	46	16,0	4	DIN 376	2B
5472629	VTSFT6037	5387679	VTSFT6037	7/8 - 9	140	34	35	18,0	4	DIN 376	2B
5472630	VTSFT6038	5387700	VTSFT6038	7/8 - 14	140	34	35	18,0	4	DIN 376	2B
5472631	VTSFT6039	5387701	VTSFT6039	1 - 8	160	38	41	18,0	4	DIN 376	2B
5472632	VTSFT6040	5387702	VTSFT6040	1 - 12	160	38	41	18,0	4	DIN 376	2B

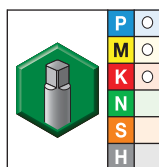
- WP49EG oxide



Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
>3-6	+0, -0,030
>6-10	+0, -0,036
>10-18	+0, -0,043
>18-30	+0, -0,052

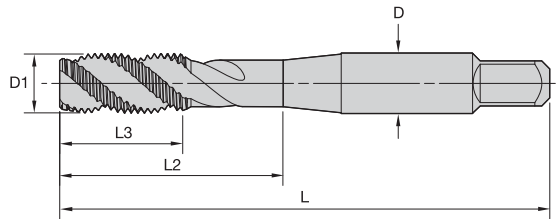
■ VT-SFT • Form C Semi-Bottoming Chamfer • UNJC/UNJF • Inch DIN 371 and 376



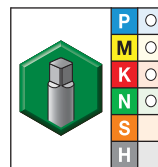
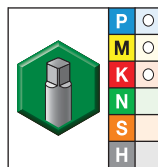
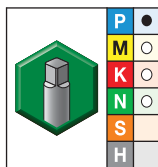
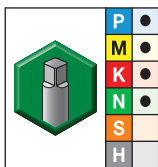
- first choice
- alternate choice

grade WP49EG Oxide		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	D1 size	L	L3	L2	D			
5387488	VTSFT6006	4 - 40	56	8	18	3,5	2	DIN 371	3B
5387641	VTSFT6009	6 - 32	56	9	20	4,0	2	DIN 371	3B
5387644	VTSFT6012	8 - 32	63	11	21	4,5	3	DIN 371	3B
5387647	VTSFT6015	10 - 32	70	12	25	6,0	3	DIN 371	3B
5387650	VTSFT6018	1/4 - 28	80	15	30	7,0	3	DIN 371	3B
5387653	VTSFT6021	5/16 - 24	90	15	35	8,0	3	DIN 371	3B
5387656	VTSFT6024	3/8 - 24	100	19	39	10,0	3	DIN 371	3B
5387659	VTSFT6027	7/16 - 20	100	18	41	8,0	3	DIN 376	3B
5387672	VTSFT6030	1/2 - 20	110	23	40	9,0	3	DIN 376	3B

- WP42EG TiCN
- WU41EG TiN
- WP49EG oxide
- WU40EG bright


Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030

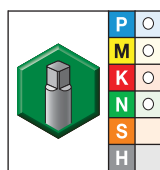
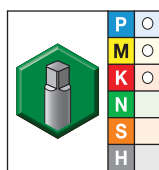
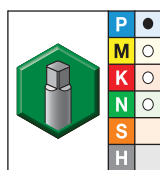
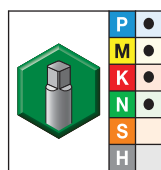
■ VT-SFT • Form C Semi-Bottoming Chamfer • Metric • ANSI


- first choice
- alternate choice

grade WP42EG TiCN		grade WU41EG TiN		grade WP49EG Oxide		grade WU40EG Bright		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
5357033	VTSFT5505	5357034	VTSFT5505	5357031	VTSFT5505	5357035	VTSFT5505	M3 X 0,5	1.94	.58	.75	.141	2	D3
5357037	VTSFT5506	-	-	5357036	VTSFT5506	-	-	M3 X 0,5	1.94	.58	.75	.141	2	D11
5357039	VTSFT5507	5357050	VTSFT5507	5357038	VTSFT5507	5357051	VTSFT5507	M3,5 X 0,6	1.99	.38	.71	.141	2	D4
5357053	VTSFT5508	-	-	5357052	VTSFT5508	-	-	M3,5 X 0,6	1.99	.38	.71	.141	2	D11
5357055	VTSFT5509	5357056	VTSFT5509	5357054	VTSFT5509	5357057	VTSFT5509	M4 X 0,7	2.12	.38	.76	.168	3	D4
5357059	VTSFT5510	-	-	5357058	VTSFT5510	-	-	M4 X 0,7	2.12	.38	.76	.168	3	D11
5357061	VTSFT5511	5357062	VTSFT5511	5357060	VTSFT5511	5357063	VTSFT5511	M5 X 0,8	2.37	.50	.91	.194	3	D4
5357066	VTSFT5512	-	-	5357064	VTSFT5512	-	-	M5 X 0,8	2.37	.50	.91	.194	3	D11
5357068	VTSFT5513	5357069	VTSFT5513	5357067	VTSFT5513	5357080	VTSFT5513	M6 X 1	2.50	.63	1.01	.255	3	D5
5357083	VTSFT5514	-	-	5357082	VTSFT5514	-	-	M6 X 1	2.50	.63	1.01	.255	3	D11
5357085	VTSFT5515	5357086	VTSFT5515	5357084	VTSFT5515	5357087	VTSFT5515	M7 X 1	2.73	.69	1.15	.318	3	D5
5357089	VTSFT5516	-	-	5357088	VTSFT5516	-	-	M7 X 1	2.73	.69	1.15	.318	3	D11
5357101	VTSFT5517	5357102	VTSFT5517	5357100	VTSFT5517	5357103	VTSFT5517	M8 X 1	2.71	.69	1.12	.318	3	D5
5357105	VTSFT5518	-	-	5357104	VTSFT5518	-	-	M8 X 1	2.71	.69	1.12	.318	3	D11
5357107	VTSFT5519	5357108	VTSFT5519	5357106	VTSFT5519	5357120	VTSFT5519	M8 X 1,25	2.71	.69	1.12	.318	3	D5
5357123	VTSFT5520	-	-	5357121	VTSFT5520	-	-	M8 X 1,25	2.71	.69	1.12	.318	3	D11
5365567	VTSFT5521	-	-	5365566	VTSFT5521	5365568	VTSFT5521	M10 X 1	2.91	.74	1.24	.381	3	D5
5365590	VTSFT5522	-	-	5365569	VTSFT5522	-	-	M10 X 1	2.91	.74	1.24	.381	3	D11
5365592	VTSFT5523	5365593	VTSFT5523	5365591	VTSFT5523	5365594	VTSFT5523	M10 X 1,25	2.92	.74	1.25	.381	3	D5
5365596	VTSFT5524	-	-	5365595	VTSFT5524	-	-	M10 X 1,25	2.92	.74	1.25	.381	3	D11
5365598	VTSFT5525	5365599	VTSFT5525	5365597	VTSFT5525	5365610	VTSFT5525	M10 X 1,5	2.92	.75	1.26	.381	3	D6
5365612	VTSFT5526	-	-	5365611	VTSFT5526	-	-	M10 X 1,5	2.92	.75	1.25	.381	3	D11
5365614	VTSFT5527	5365615	VTSFT5527	5365613	VTSFT5527	5365616	VTSFT5527	M12 X 1,25	3.38	.94	1.74	.367	3	D5
5365618	VTSFT5528	-	-	5365617	VTSFT5528	-	-	M12 X 1,25	3.38	.94	1.74	.367	3	D11

(continued)

(VT-SFT • Form C Semi-Bottoming Chamfer • Metric • ANSI — continued)

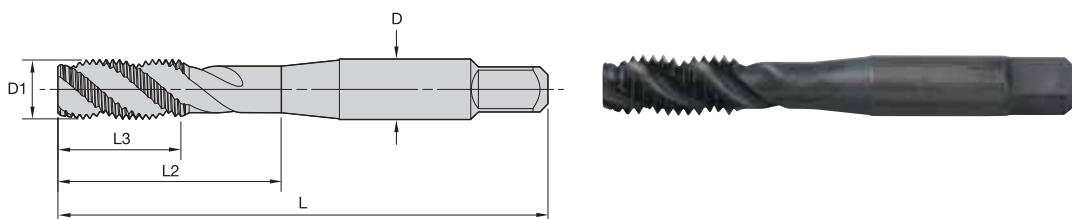


● first choice
○ alternate choice

grade WP42EG TiCN		grade WU41EG TiN		grade WP49EG Oxide		grade WU40EG Bright		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
5365621	VTSFT5529	—	—	5365619	VTSFT5529	5365622	VTSFT5529	M12 X 1,5	3.38	.94	1.74	.367	3	D6
5365624	VTSFT5530	—	—	5365623	VTSFT5530	—	—	M12 X 1,5	3.38	.94	1.74	.367	3	D11
5365626	VTSFT5531	5365627	VTSFT5531	5365625	VTSFT5531	5365628	VTSFT5531	M12 X 1,75	3.38	.94	1.74	.367	3	D6
5365630	VTSFT5532	—	—	5365629	VTSFT5532	—	—	M12 X 1,75	3.38	.94	1.74	.367	3	D11
5365632	VTSFT5533	—	—	5365631	VTSFT5533	5365633	VTSFT5533	M14 X 1,5	3.59	1.00	1.74	.429	3	D6
—	—	—	—	—	—	5365634	VTSFT5534	M14 X 1,5	3.59	1.00	1.74	.429	3	D7
5365636	VTSFT5535	—	—	5365635	VTSFT5535	—	—	M14 X 2	3.59	1.00	1.74	.429	3	D7
5365638	VTSFT5536	—	—	5365637	VTSFT5536	5365639	VTSFT5536	M16 X 1,5	3.81	1.09	1.89	.480	3	D6
5365641	VTSFT5537	—	—	5365640	VTSFT5537	5365642	VTSFT5537	M16 X 2	3.81	1.09	1.89	.480	3	D7
5365644	VTSFT5538	—	—	5365643	VTSFT5538	5365645	VTSFT5538	M18 X 1,5	4.03	1.09	1.89	.542	4	D6
5365647	VTSFT5539	—	—	5365646	VTSFT5539	5365648	VTSFT5539	M18 X 2,5	4.03	1.09	1.89	.542	4	D7
5365650	VTSFT5540	—	—	5365649	VTSFT5540	—	—	M20 X 1,5	4.47	1.22	2.08	.652	4	D6
5365652	VTSFT5541	—	—	5365651	VTSFT5541	—	—	M20 X 2,5	4.47	1.22	2.08	.652	4	D7
—	—	—	—	5365653	VTSFT5542	—	—	M22 X 1,5	4.69	1.34	2.30	.697	4	D6
—	—	—	—	5365654	VTSFT5543	—	—	M22 X 2,5	4.69	1.34	2.30	.697	4	D7
—	—	—	—	5365655	VTSFT5544	—	—	M24 X 1,5	4.91	1.34	2.30	.760	4	D6
—	—	—	—	5365656	VTSFT5545	—	—	M24 X 3	4.91	1.34	2.30	.760	4	D8
—	—	—	—	5365657	VTSFT5546	—	—	M27 X 1,5	5.13	1.50	2.50	.896	4	D7
—	—	—	—	5365658	VTSFT5547	—	—	M27 X 3	5.13	1.50	2.50	.896	4	D8
—	—	—	—	5365659	VTSFT5548	—	—	M30 X 1,5	5.44	1.71	2.56	1.021	4	D6
—	—	—	—	5365660	VTSFT5549	—	—	M30 X 3,5	5.44	1.71	2.56	1.021	4	D9

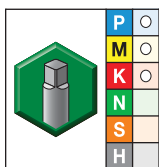
NOTE: Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 6H class of fit.
VariTap for 6H class of fit is suitable for MJ aerospace internal threading applications.

- WP49EG oxide



Shank Tolerance

D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030

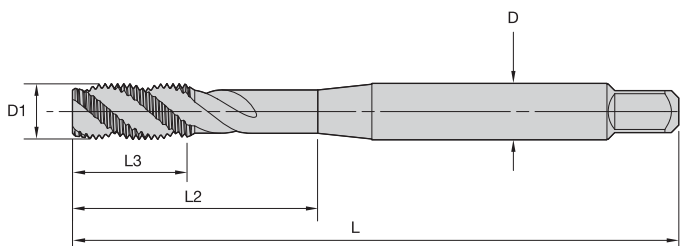
■ VT-SFT • Form E Bottoming Chamfer • Metric • ANSI


- first choice
- alternate choice

grade WP49EG Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 size	L	L3	L2	D		
5400155	VTSFT5550	M3 X 0,5	1.94	.58	.75	.141	2	D3
5400156	VTSFT5551	M3,5 X 0,6	2.00	.38	.71	.141	2	D4
5400157	VTSFT5552	M4 X 0,7	2.13	.38	.76	.168	3	D4
5400158	VTSFT5553	M5 X 0,8	2.38	.50	.91	.194	3	D4
5400159	VTSFT5554	M6 X 1	2.50	.63	1.00	.255	3	D5
5400230	VTSFT5555	M7 X 1	2.72	.69	1.15	.318	3	D5
5400232	VTSFT5557	M8 X 1	2.72	.69	1.12	.318	3	D5
5400231	VTSFT5556	M8 X 1,25	2.72	.69	1.12	.318	3	D5
5400234	VTSFT5559	M10 X 1,25	2.94	.75	1.26	.381	3	D5
5400233	VTSFT5558	M10 X 1,5	2.94	.75	1.26	.381	3	D6
5400237	VTSFT5562	M12 X 1,25	3.38	.94	1.74	.367	3	D5
5400236	VTSFT5561	M12 X 1,5	3.38	.94	1.74	.367	3	D6
5400235	VTSFT5560	M12 X 1,75	3.38	.94	1.74	.367	3	D6
5400239	VTSFT5564	M14 X 1,5	3.59	1.00	1.74	.429	3	D6
5400238	VTSFT5563	M14 X 2	3.59	1.00	1.74	.429	3	D7
5400241	VTSFT5566	M16 X 1,5	3.81	1.09	1.89	.480	3	D6
5400240	VTSFT5565	M16 X 2	3.81	1.09	1.89	.480	3	D7
5400242	VTSFT5567	M18 X 1,5	4.03	1.09	1.89	.542	4	D6

NOTE: Refer to tables on pages W231-W232 for the recommended pitch diameter limit for 6H class of fit.
 VariTap for 6H class of fit is suitable for MJ aerospace internal threading applications.

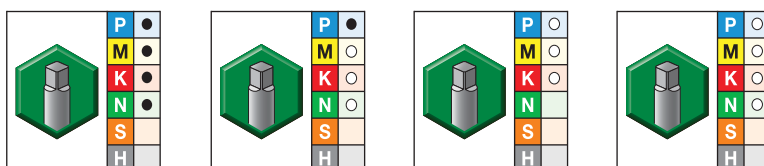
- WP42EG TiCN
- WU41EG TiN
- WP49EG oxide
- WU40EG bright



Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
>3-6	+0, -0,030
>6-10	+0, -0,036
>10-18	+0, -0,043
>18-30	+0, -0,052

■ VT-SFT • Form C Semi-Bottoming Chamfer • Metric DIN 371, 374, and 376

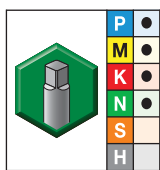
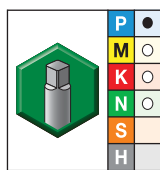
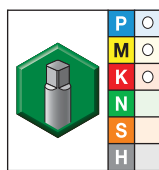
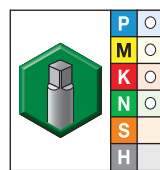


- first choice
- alternate choice

grade WP42EG TiCN		grade WU41EG TiN		grade WP49EG Oxide		grade WU40EG Bright		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
5368703	VTSFT6506	5368702	VTSFT6506	5368704	VTSFT6506	5368705	VTSFT6506	M2 X 0,4	45	7	13	2,8	2	DIN 371	6H
-	-	-	-	5368706	VTSFT6507	-	-	M2 X 0,4	45	7	13	2,8	2	DIN 371	6G
-	-	-	-	5368707	VTSFT6508	-	-	M2,2 X 0,45	45	7	13	2,8	2	DIN 371	6H
-	-	5368708	VTSFT6509	5368709	VTSFT6509	5368720	VTSFT6509	M2,5 X 0,45	50	7	15	2,8	2	DIN 371	6H
-	-	-	-	5368721	VTSFT6510	-	-	M2,5 X 0,45	50	7	15	2,8	2	DIN 371	6G
-	-	-	-	5402138	VTSFT6545	-	-	M3 X 0,35	56	8	-	2,2	2	DIN 374	6H
-	-	-	-	5368726	VTSFT6512	-	-	M3 X 0,5	56	8	18	3,5	2	DIN 371	6G
-	-	-	-	5402227	VTSFT6525	5402228	VTSFT6525	M3 X 0,5	56	8	-	2,2	2	DIN 376	6H
5368723	VTSFT6511	5368722	VTSFT6511	5368724	VTSFT6511	5368725	VTSFT6511	M3 X 0,5	56	8	18	3,5	2	DIN 371	6H
-	-	5368727	VTSFT6513	5368728	VTSFT6513	5368729	VTSFT6513	M3,5 X 0,6	56	9	20	4,0	2	DIN 371	6H
-	-	-	-	5402139	VTSFT6546	5402180	VTSFT6546	M4 X 0,5	63	10	21	2,8	3	DIN 374	6H
-	-	-	-	5368734	VTSFT6515	-	-	M4 X 0,7	63	11	21	4,5	3	DIN 371	6G
-	-	-	-	5402229	VTSFT6526	5402250	VTSFT6526	M4 X 0,7	63	10	21	2,8	3	DIN 376	6H
5368731	VTSFT6514	5368730	VTSFT6514	5368732	VTSFT6514	5368733	VTSFT6514	M4 X 0,7	63	11	21	4,5	3	DIN 371	6H
-	-	-	-	5402181	VTSFT6547	5402182	VTSFT6547	M5 X 0,5	70	12	25	3,5	3	DIN 374	6H
-	-	-	-	5368739	VTSFT6517	-	-	M5 X 0,8	70	12	25	6,0	3	DIN 371	6G
-	-	-	-	5402251	VTSFT6527	5402252	VTSFT6527	M5 X 0,8	70	12	25	3,5	3	DIN 376	6H
5368736	VTSFT6516	5368735	VTSFT6516	5368737	VTSFT6516	5368738	VTSFT6516	M5 X 0,8	70	12	25	6,0	3	DIN 371	6H
-	-	-	-	5402183	VTSFT6548	-	-	M6 X 0,5	80	12	30	4,5	3	DIN 374	6H
-	-	-	-	5402185	VTSFT6549	5402184	VTSFT6549	M6 X 0,75	80	12	30	4,5	3	DIN 374	6H
5368741	VTSFT6518	5368740	VTSFT6518	5368742	VTSFT6518	5368743	VTSFT6518	M6 X 1	80	12	30	6,0	3	DIN 371	6H
-	-	-	-	5402253	VTSFT6528	5402254	VTSFT6528	M6 X 1	80	12	30	4,5	3	DIN 376	6H
-	-	-	-	5368744	VTSFT6519	-	-	M6 X 1	80	12	30	6,0	3	DIN 371	6G
-	-	-	-	5368745	VTSFT6520	5368746	VTSFT6520	M7 X 1	80	12	30	7,0	3	DIN 371	6H

(continued)

(VT-SFT • Form C Semi-Bottoming Chamfer • Metric DIN 371, 374, and 376 — continued)


grade WP42EG
TiCN

grade WU41EG
TiN

grade WP49EG
Oxide

grade WU40EG
Bright

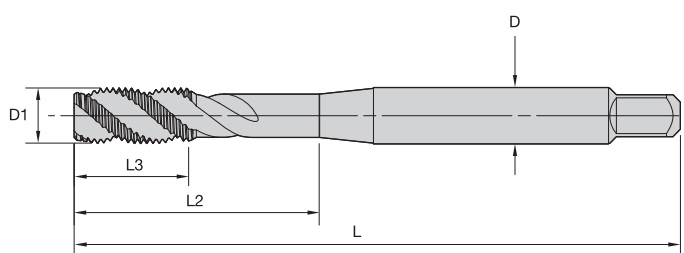
● first choice
○ alternate choice

order # catalog #		order # catalog #		order # catalog #		order # catalog #		metric dimensions					number of flutes	dimension standard	class of fit
								D1 size	L	L3	L2	D			
-	-	-	-	5402186	VTSFT6550	5402187	VTSFT6550	M8 X 0,75	80	12	30	6,0	3	DIN 374	6H
5402188	VTSFT6551	-	-	5402189	VTSFT6551	5402190	VTSFT6551	M8 X 1	90	15	35	6,0	3	DIN 374	6H
-	-	-	-	5368752	VTSFT6522	-	-	M8 X 1,25	90	15	35	8,0	3	DIN 371	6G
-	-	-	-	5402255	VTSFT6529	5402256	VTSFT6529	M8 X 1,25	90	15	35	6,0	3	DIN 376	6H
5368749	VTSFT6521	5368748	VTSFT6521	5368750	VTSFT6521	5368751	VTSFT6521	M8 X 1,25	90	15	35	8,0	3	DIN 371	6H
-	-	-	-	-	-	5402191	VTSFT6552	M10 X 0,75	90	15	35	7,0	3	DIN 374	6H
-	-	-	-	5402192	VTSFT6553	5402193	VTSFT6553	M10 X 1	90	15	35	7,0	3	DIN 374	6H
5402194	VTSFT6554	-	-	5402195	VTSFT6554	5402196	VTSFT6554	M10 X 1,25	100	18	39	7,0	3	DIN 374	6H
5368754	VTSFT6523	5368753	VTSFT6523	5368755	VTSFT6523	5368756	VTSFT6523	M10 X 1,5	100	18	39	10,0	3	DIN 371	6H
-	-	-	-	5368757	VTSFT6524	-	-	M10 X 1,5	100	18	39	10,0	3	DIN 371	6G
-	-	-	-	5402257	VTSFT6530	5402258	VTSFT6530	M10 X 1,5	100	18	39	7,0	3	DIN 376	6H
-	-	-	-	5402197	VTSFT6555	5402198	VTSFT6555	M12 X 1	100	21	39	9,0	3	DIN 374	6H
-	-	-	-	5402199	VTSFT6556	5402200	VTSFT6556	M12 X 1,25	100	21	39	9,0	3	DIN 374	6H
5402201	VTSFT6557	-	-	5402202	VTSFT6557	5402203	VTSFT6557	M12 X 1,5	100	21	39	9,0	3	DIN 374	6H
-	-	-	-	5402263	VTSFT6532	-	-	M12 X 1,75	110	21	44	9,0	3	DIN 376	6G
5402260	VTSFT6531	5402259	VTSFT6531	5402261	VTSFT6531	5402262	VTSFT6531	M12 X 1,75	110	21	44	9,0	3	DIN 376	6H
-	-	-	-	-	-	5402204	VTSFT6558	M14 X 1	100	21	47	11,0	3	DIN 374	6H
-	-	-	-	-	-	5402205	VTSFT6559	M14 X 1,25	100	21	47	11,0	3	DIN 374	6H
5402206	VTSFT6560	-	-	5402207	VTSFT6560	5402208	VTSFT6560	M14 X 1,5	100	21	47	11,0	3	DIN 374	6H
-	-	-	-	5402268	VTSFT6534	-	-	M14 X 2	110	24	52	11,0	3	DIN 376	6G
5402265	VTSFT6533	5402264	VTSFT6533	5402266	VTSFT6533	5402267	VTSFT6533	M14 X 2	110	24	52	11,0	3	DIN 376	6H
-	-	-	-	-	-	5402209	VTSFT6561	M16 X 1	100	21	46	12,0	3	DIN 374	6H
-	-	-	-	5402210	VTSFT6562	5402211	VTSFT6562	M16 X 1,5	100	21	46	12,0	3	DIN 374	6H
-	-	-	-	5402272	VTSFT6536	-	-	M16 X 2	110	24	51	12,0	3	DIN 376	6G
-	-	5402269	VTSFT6535	5402270	VTSFT6535	5402271	VTSFT6535	M16 X 2	110	24	51	12,0	3	DIN 376	6H
-	-	-	-	-	-	5402212	VTSFT6563	M18 X 1	110	21	50	14,0	4	DIN 374	6H
-	-	-	-	5402214	VTSFT6564	5402213	VTSFT6564	M18 X 1,5	110	21	50	14,0	4	DIN 374	6H
-	-	-	-	-	-	5402215	VTSFT6565	M18 X 2	125	30	58	14,0	4	DIN 374	6H
-	-	5402273	VTSFT6537	5402274	VTSFT6537	5402275	VTSFT6537	M18 X 2,5	125	30	58	14,0	4	DIN 376	6H
-	-	-	-	-	-	5402216	VTSFT6566	M20 X 1	125	24	56	16,0	4	DIN 374	6H
-	-	-	-	5402217	VTSFT6567	5402218	VTSFT6567	M20 X 1,5	125	24	56	16,0	4	DIN 374	6H
-	-	-	-	-	-	5402219	VTSFT6568	M20 X 2	140	30	64	16,0	4	DIN 374	6H
-	-	5402276	VTSFT6538	5402277	VTSFT6538	5402278	VTSFT6538	M20 X 2,5	140	30	64	16,0	4	DIN 376	6H
-	-	-	-	5402220	VTSFT6569	5402221	VTSFT6569	M22 X 1,5	125	24	62	18,0	4	DIN 374	6H
-	-	-	-	-	-	5402222	VTSFT6570	M22 X 2	140	30	70	18,0	4	DIN 374	6H
-	-	5402279	VTSFT6539	5402280	VTSFT6539	5402281	VTSFT6539	M22 X 2,5	140	30	70	18,0	4	DIN 376	6H
-	-	-	-	5402223	VTSFT6571	5402224	VTSFT6571	M24 X 1,5	140	28	67	18,0	4	DIN 374	6H
-	-	-	-	-	-	5402225	VTSFT6572	M24 X 2	140	28	67	18,0	4	DIN 374	6H
-	-	5402282	VTSFT6540	5402283	VTSFT6540	5402284	VTSFT6540	M24 X 3	160	36	77	18,0	4	DIN 376	6H
-	-	5402285	VTSFT6541	5402286	VTSFT6541	5402287	VTSFT6541	M27 X 3	160	36	82	20,0	4	DIN 376	6H
-	-	-	-	-	-	5402226	VTSFT6573	M30 X 2	150	28	80	22,0	2	DIN 374	6H
-	-	5402288	VTSFT6542	5402289	VTSFT6542	5402290	VTSFT6542	M30 X 3,5	180	42	91	22,0	4	DIN 376	6H
-	-	-	-	5402291	VTSFT6543	5402292	VTSFT6543	M33 X 3,5	180	42	100	25,0	4	DIN 376	6H
-	-	-	-	5402293	VTSFT6544	5402294	VTSFT6544	M36 X 4	200	48	110	28,0	5	DIN 376	6H

Multipurpose Taps

VariTap™ Spiral-Flute HSS-E Taps • Blind Holes

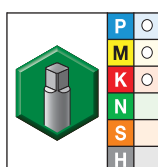
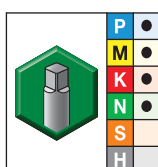
- WP42EG TiCN
- WP49EG oxide



Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
>3-6	+0, -0,030
>6-10	+0, -0,036
>10-18	+0, -0,043
>18-30	+0, -0,052

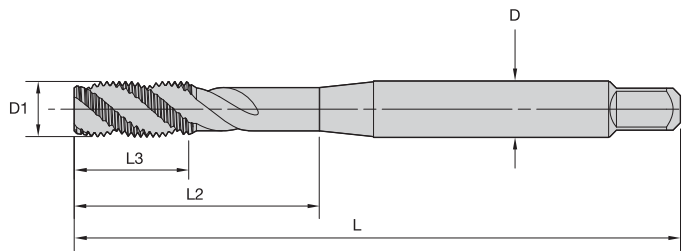
■ VT-SFT • Form E Bottoming Chamfer • Metric DIN 371, 374, and 376



- first choice
- alternate choice

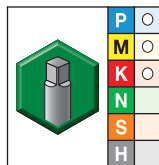
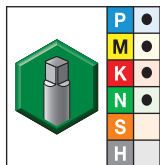
grade WP42EG TiCN		grade WP49EG Oxide		metric dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
5387434	VTSFT6574	5387435	VTSFT6574	M3 X 0,5	56	8	18	3,5	2	DIN 371	6H
5387436	VTSFT6575	5387437	VTSFT6575	M4 X 0,7	63	11	21	4,5	3	DIN 371	6H
5387438	VTSFT6576	5387439	VTSFT6576	M5 X 0,8	70	12	25	6,0	3	DIN 371	6H
5387460	VTSFT6577	5387461	VTSFT6577	M6 X 1	80	12	30	6,0	3	DIN 371	6H
5387475	VTSFT6585	5387476	VTSFT6585	M8 X 1	90	15	35	6,0	3	DIN 374	6H
5387462	VTSFT6578	5387463	VTSFT6578	M8 X 1,25	90	15	35	8,0	3	DIN 371	6H
5387477	VTSFT6586	5387478	VTSFT6586	M10 X 1,25	100	18	39	7,0	3	DIN 374	6H
5387464	VTSFT6579	5387465	VTSFT6579	M10 X 1,5	100	18	39	10,0	3	DIN 371	6H
5387479	VTSFT6587	5387481	VTSFT6587	M12 X 1,5	100	21	39	9,0	3	DIN 374	6H
5387466	VTSFT6580	5387467	VTSFT6580	M12 X 1,75	110	21	44	9,0	3	DIN 376	6H
5387482	VTSFT6588	5387483	VTSFT6588	M14 X 1,5	100	21	47	11,0	3	DIN 374	6H
5387468	VTSFT6581	5387469	VTSFT6581	M14 X 2	110	24	52	11,0	3	DIN 376	6H
-		5387470	VTSFT6582	M16 X 2	110	24	51	12,0	3	DIN 376	6H
5387471	VTSFT6583	5387472	VTSFT6583	M18 X 2,5	125	30	58	14,0	4	DIN 376	6H
5387473	VTSFT6584	5387474	VTSFT6584	M20 X 2,5	140	30	64	16,0	4	DIN 376	6H

- WP42EG TiCN
- WP49EG oxide



Shank Tolerance

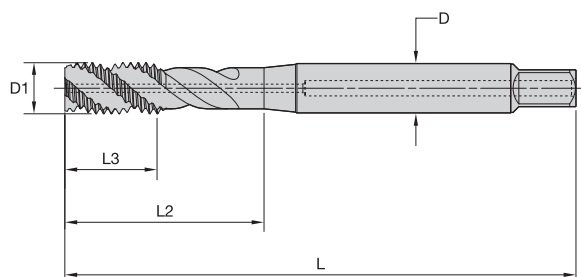
D inch	tolerance
.141-.635	+0, -.0015
>.635-1.51	+0, -.0020
>1.51-2.01	+0, -.0030

■ VT-SFT • Form C Semi-Bottoming Chamfer • Metric • DIN Length ANSI Shank


- first choice
- alternate choice

grade WP42EG TiCN		grade WP49EG Oxide		inch dimensions					number of flutes	dimension standard	class of fit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
5436522	VTSFT9504	5436521	VTSFT9504	M3 X 0,5	2.20	.31	.71	.141	2	DIN-ANSI	6H
5436524	VTSFT9505	5436523	VTSFT9505	M4 X 0,7	2.48	.43	.83	.168	3	DIN-ANSI	6H
5436526	VTSFT9506	5436525	VTSFT9506	M5 X 0,8	2.75	.47	.97	.194	3	DIN-ANSI	6H
5436528	VTSFT9507	5436527	VTSFT9507	M6 X 1	3.15	.47	1.18	.255	3	DIN-ANSI	6H
5436540	VTSFT9508	5436529	VTSFT9508	M8 X 1,25	3.54	.58	1.37	.318	3	DIN-ANSI	6H
5436542	VTSFT9509	5436541	VTSFT9509	M10 X 1,25	3.93	.70	1.53	.381	3	DIN-ANSI	6H
5436544	VTSFT9510	5436543	VTSFT9510	M10 X 1,5	3.94	.71	1.53	.381	3	DIN-ANSI	6H
5436546	VTSFT9511	5436545	VTSFT9511	M12 X 1,25	4.33	.83	1.73	.367	3	DIN-ANSI	6H
5436548	VTSFT9512	5436547	VTSFT9512	M12 X 1,5	4.33	.83	1.73	.367	3	DIN-ANSI	6H
5436550	VTSFT9513	5436549	VTSFT9513	M12 X 1,75	4.33	.83	1.73	.367	3	DIN-ANSI	6H
5436552	VTSFT9514	5436551	VTSFT9514	M14 X 1,5	4.33	.94	2.05	.429	3	DIN-ANSI	6H
5436554	VTSFT9515	5436553	VTSFT9515	M14 X 2	4.33	.94	2.05	.429	3	DIN-ANSI	6H
5436556	VTSFT9516	5436555	VTSFT9516	M16 X 1,5	4.33	.94	2.01	.480	3	DIN-ANSI	6H
5436558	VTSFT9517	5436557	VTSFT9517	M16 X 2	4.33	.94	2.01	.480	3	DIN-ANSI	6H
5436560	VTSFT9518	5436559	VTSFT9518	M18 X 1,5	4.92	1.18	2.28	.542	4	DIN-ANSI	6H
5436562	VTSFT9519	5436561	VTSFT9519	M18 X 2,5	4.92	1.18	2.28	.542	4	DIN-ANSI	6H
5436564	VTSFT9520	5436563	VTSFT9520	M20 X 1,5	5.51	1.18	2.52	.652	4	DIN-ANSI	6H
5436566	VTSFT9521	5436565	VTSFT9521	M20 X 2,5	5.51	1.18	2.52	.652	4	DIN-ANSI	6H

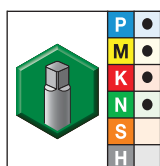
- WP42EG TiCN



Shank Tolerance

D inch	tolerance
0.141–0.635	+0, -.0015
>0.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

■ VT-SFT • Form C Semi-Bottoming Chamfer • Through Coolant • Metric • DIN Length ANSI Shank

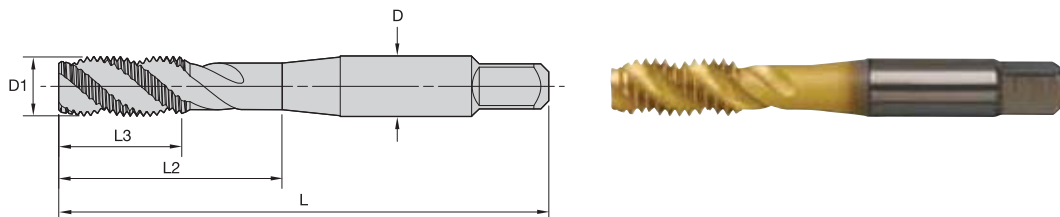


- first choice
- alternate choice

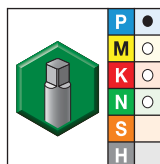
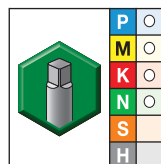
grade WP42EG
TiCN

order #	catalog #	inch dimensions					number of flutes	dimension standard	class of fit
		D1 size	L	L3	L2	D			
5436475	VTSFT9925	M6 X 1	3.15	.47	1.18	.255	3	DIN-ANSI	6H
5436476	VTSFT9926	M8 X 1,25	3.54	.59	1.38	.318	3	DIN-ANSI	6H
5436477	VTSFT9927	M10 X 1,25	3.94	.71	1.54	.381	3	DIN-ANSI	6H
5436478	VTSFT9928	M10 X 1,5	3.94	.71	1.53	.381	3	DIN-ANSI	6H
5436479	VTSFT9929	M12 X 1,25	4.33	.83	1.73	.367	3	DIN-ANSI	6H
5436480	VTSFT9930	M12 X 1,5	4.33	.83	1.73	.367	3	DIN-ANSI	6H
5436481	VTSFT9931	M12 X 1,75	4.33	.83	1.73	.367	3	DIN-ANSI	6H
5436482	VTSFT9932	M14 X 1,5	4.33	.94	2.05	.429	3	DIN-ANSI	6H
5436483	VTSFT9933	M14 X 2	4.33	.94	2.05	.429	3	DIN-ANSI	6H
5436484	VTSFT9934	M16 X 1,5	4.33	.94	2.01	.480	3	DIN-ANSI	6H
5436485	VTSFT9935	M16 X 2	4.33	.94	2.01	.480	3	DIN-ANSI	6H
5436486	VTSFT9936	M18 X 1,5	4.92	1.18	2.28	.542	4	DIN-ANSI	6H
5436487	VTSFT9937	M18 X 2,5	4.92	1.18	2.28	.542	4	DIN-ANSI	6H
5436488	VTSFT9938	M20 X 1,5	5.51	1.18	2.52	.652	4	DIN-ANSI	6H
5436489	VTSFT9939	M20 X 2,5	5.51	1.18	2.52	.652	4	DIN-ANSI	6H

- WU41EG TiN
- WU40EG bright


Shank Tolerance

D mm	tolerance h9
1-3	+0, -0,025
>3-6	+0, -0,030
>6-10	+0, -0,036
>10-18	+0, -0,043
>18-30	+0, -0,052

■ VT-SFT • Form C Semi-Bottoming Chamfer • Metric • JIS

 grade WU41EG
TiN

 grade WU40EG
Bright

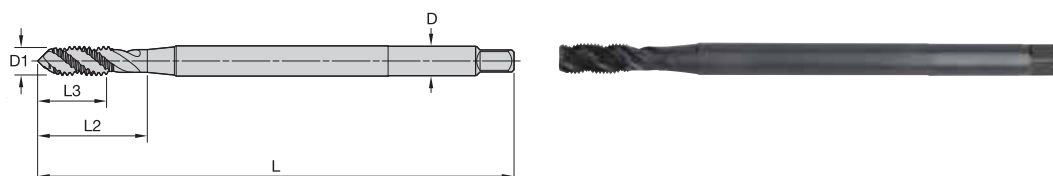
- first choice
- alternate choice

				metric dimensions					number of flutes	dimension standard	tap class
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D			
5398709	VTSFT7505	5398708	VTSFT7505	M3 X 0,5	46	11	19	4,0	2	JIS	ISO 2
5398791	VTSFT7506	5398790	VTSFT7506	M4 X 0,7	52	13	21	5,0	3	JIS	ISO 2
5398793	VTSFT7507	5398792	VTSFT7507	M5 X 0,8	60	16	24	5,5	3	JIS	ISO 2
5398795	VTSFT7508	5398794	VTSFT7508	M6 X 1	62	19	29	6,0	3	JIS	ISO 2
5398797	VTSFT7509	5398796	VTSFT7509	M8 X 1,25	70	22	37	6,2	3	JIS	ISO 2
5398799	VTSFT7510	5398798	VTSFT7510	M10 X 1,5	75	24	41	7,0	3	JIS	ISO 2
-		5398800	VTSFT7511	M12 X 1,25	82	29	48	8,5	3	JIS	ISO 2
-		5398802	VTSFT7513	M12 X 1,5	82	29	48	8,5	3	JIS	ISO 2
-		5398801	VTSFT7512	M12 X 1,75	82	29	48	8,5	3	JIS	ISO 2
-		5398804	VTSFT7515	M14 X 1,5	88	30	48	10,5	3	JIS	ISO 2
-		5398803	VTSFT7514	M14 X 2	88	30	48	10,5	3	JIS	ISO 2
-		5398806	VTSFT7517	M16 X 1,5	95	32	52	12,5	3	JIS	ISO 2
-		5398805	VTSFT7516	M16 X 2	95	32	52	12,5	3	JIS	ISO 2
-		5398807	VTSFT7518	M18 X 2,5	100	37	55	14,0	4	JIS	ISO 2
-		5398808	VTSFT7519	M20 X 2,5	105	37	60	15,0	4	JIS	ISO 2

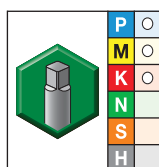
High-Performance Taps

VariTap™ Spiral-Flute HSS-E Extension Taps • Blind Holes • 6" Length

- WP49EG oxide



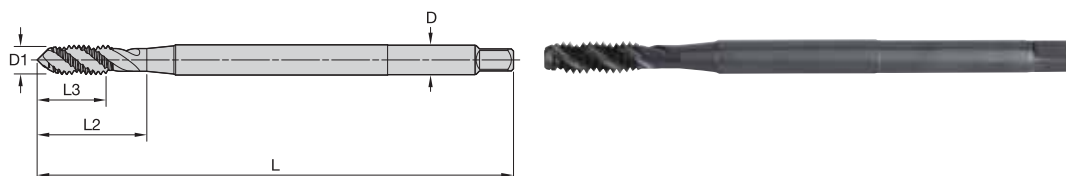
■ VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • 6" Length • ANSI



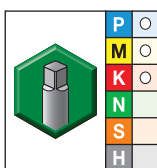
- first choice
- alternate choice

grade WP49EG Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5601929	VTSFT-TC5403	4 - 40	6.00	.56	.87	.141	2	H2
5602110	VTSFT-TC5404	6 - 32	6.00	.38	.71	.141	2	H3
5602111	VTSFT-TC5405	8 - 32	6.00	.38	.76	.168	3	H3
5602112	VTSFT-TC5406	10 - 24	6.00	.50	.91	.194	3	H3
5602113	VTSFT-TC5407	10 - 32	6.00	.50	.91	.194	3	H3
5602114	VTSFT-TC5408	1/4 20	6.00	.63	1.00	.255	3	H3
5602115	VTSFT-TC5409	1/4 - 28	6.00	.63	1.01	.255	3	H3
5602116	VTSFT-TC5410	5/16 - 18	6.00	.69	1.13	.318	3	H3
5602117	VTSFT-TC5411	5/16 - 24	6.00	.69	1.13	.318	3	H3
5602118	VTSFT-TC5412	3/8 - 16	6.00	.75	1.27	.381	3	H3
5602119	VTSFT-TC5413	3/8 - 24	6.00	.75	1.26	.381	3	H3
5602120	VTSFT-TC5414	7/16 - 14	6.00	.88	1.49	.323	3	H3
5602121	VTSFT-TC5415	7/16 - 20	6.00	.88	1.49	.323	3	H3
5602122	VTSFT-TC5416	1/2 - 13	6.00	.94	1.74	.367	3	H3
5602123	VTSFT-TC5417	1/2 - 20	6.00	.94	1.74	.367	3	H3
5602124	VTSFT-TC5418	5/8 - 11	6.00	1.09	1.89	.480	3	H3

- WP49EG oxide



■ VT-SFT • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • 4" Length • ANSI



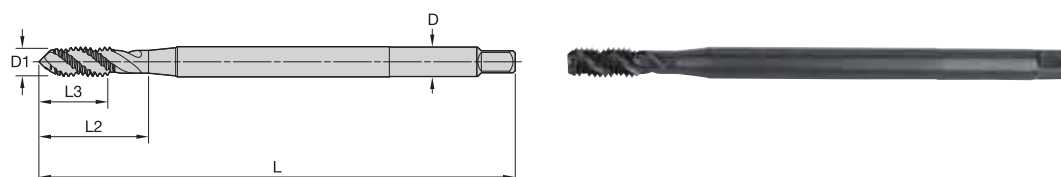
- first choice
- alternate choice

grade WP49EG Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5602125	VTSFT-TC5419	4 - 40	4.00	.56	.87	.141	2	H2
5602126	VTSFT-TC5420	6 - 32	4.00	.38	.71	.141	2	H3
5602127	VTSFT-TC5421	8 - 32	4.00	.38	.76	.168	3	H3
5602128	VTSFT-TC5422	10 - 24	4.00	.50	.91	.194	3	H3
5602129	VTSFT-TC5423	10 - 32	4.00	.50	.91	.194	3	H3
5602130	VTSFT-TC5424	1/4 20	4.00	.63	1.00	.255	3	H3

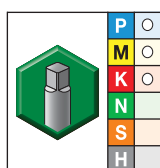
High-Performance Taps

VariTap™ Spiral-Flute HSS-E Extension Taps • Blind Holes • 6" Length

- WP49EG oxide



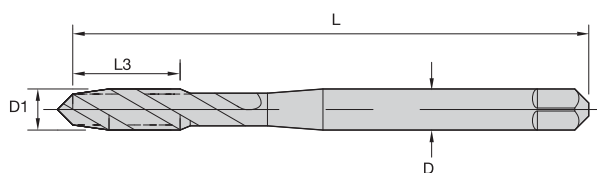
■ VT-SFT • Form E Bottoming Chamfer • Machine Screw and Fractional • 6" Length • ANSI



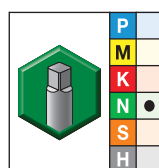
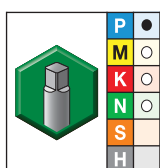
- first choice
- alternate choice

grade WP49EG Oxide		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	D1 TPI	L	L3	L2	D		
5602131	VTSFT-TC5425	4 - 40	6.00	.56	.87	.141	2	H2
5602132	VTSFT-TC5426	6 - 32	6.00	.38	.71	.141	2	H3
5602133	VTSFT-TC5427	8 - 32	6.00	.38	.76	.168	3	H3
5602134	VTSFT-TC5428	10 - 32	6.00	.50	.91	.194	3	H3
5602135	VTSFT-TC5429	1/4 - 20	6.00	.63	1.00	.255	3	H3
5602136	VTSFT-TC5430	1/4 - 28	6.00	.63	1.01	.255	3	H3
5602137	VTSFT-TC5431	5/16 - 18	6.00	.69	1.13	.318	3	H3
5602138	VTSFT-TC5432	3/8 - 16	6.00	.75	1.27	.381	3	H3
5602139	VTSFT-TC5433	3/8 - 24	6.00	.75	1.26	.381	3	H3
5602140	VTSFT-TC5434	7/16 - 14	6.00	.88	1.49	.323	3	H3

- Series 5314TC • TiCN Coated
- Series 2314 • TiN Coated
- Series 5314 • Uncoated



■ Series 2314/5314 • Machine Screw and Fractional • Plug Chamfer



- first choice
- alternate choice

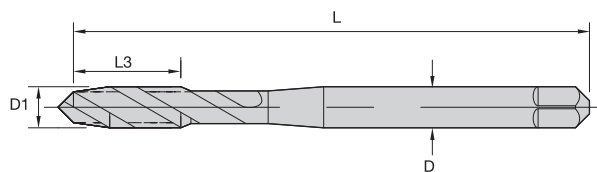
TiN		uncoated		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
2746484	19619	2748377	16003	4 - 40	1.88	.56	—	.141	2	H2
—	—	2748372	16005	5 - 40	1.94	.63	—	.141	2	H2
2746480	19622	2748369	16007	6 - 32	2.00	.38	.69	.141	2	H3
2746474	19626	2748366	16009	8 - 32	2.13	.38	.75	.168	3	H3
2746470	19628	2748363	16011	10 - 24	2.38	.50	.88	.194	3	H3
2746476	19624	2748360	16013	10 - 32	2.38	.50	.88	.194	3	H3
—	—	2748355	16015	12 - 24	2.38	.50	.94	.220	3	H3
2746464	19632	2748352	16017	1/4 - 20	2.50	.63	1.00	.255	3	H3
2746460	19634	2748348	16021	1/4 - 28	2.50	.63	1.00	.255	3	H3
2746458	19636	2748342	16023	5/16 - 18	2.72	.69	1.12	.318	3	H3
2746454	19638	2748336	16027	5/16 - 24	2.72	.69	1.12	.318	3	H3
2746450	19641	2748335	16029	3/8 - 16	2.94	.75	1.25	.381	3	H3
2746447	19643	2748332	16033	3/8 - 24	2.94	.75	1.25	.381	3	H3
2746437	19646	2748328	16035	7/16 - 14	3.16	.88	—	.323	3	H3
—	—	2748323	16037	7/16 - 20	3.16	.88	—	.323	3	H3
2746433	19648	2748318	16039	1/2 - 13	3.38	.94	—	.367	3	H3
—	—	2748315	16041	1/2 - 20	3.38	.94	—	.367	3	H3
—	—	2748311	16047	5/8 - 11	3.81	1.09	—	.480	4	H3
—	—	2748307	16051	3/4 - 10	4.25	1.22	—	.590	4	H3

NOTE: Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 2B or 3B class of fit.

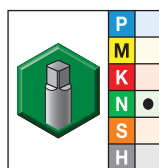
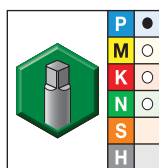
Production Taps

Spiral-Flute Taps • Blind Holes in General Machining Applications

- Series 5314TC • TiCN Coated
- Series 2314 • TiN Coated
- Series 5314 • Uncoated



■ Series 2314/5314 • Machine Screw and Fractional • Bottoming Chamfer

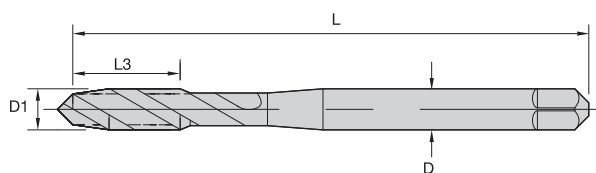


- first choice
- alternate choice

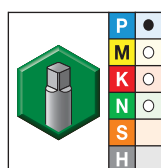
TiN		uncoated		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 size	L	L3	L2	D		
2746482	19621	2748375	16004	4 - 40	1.88	.56	—	.141	2	H2
—	—	2748370	16006	5 - 40	1.94	.56	—	.141	2	H2
2746478	19623	2748367	16008	6 - 32	2.00	.38	.69	.141	2	H3
2746472	19627	3083563	16010	8 - 32	2.13	.38	.75	.168	3	H3
2746468	19629	2748361	16012	10 - 24	2.38	.50	.88	.194	3	H3
2746466	19631	2748356	16014	10 - 32	2.38	.50	.88	.194	3	H3
—	—	2748353	16016	12 - 24	2.38	.50	.94	.220	3	H3
2746462	19633	2748351	16018	1/4 - 20	2.50	.63	1.00	.255	3	H3
2746427	19651	1775500	16022	1/4 - 28	2.50	.63	1.00	.255	3	H3
2746456	19637	2748339	16024	5/16 - 18	2.72	.69	1.12	.318	3	H3
2746452	19639	3012779	16028	5/16 - 24	2.72	.69	1.12	.318	3	H3
2746448	19642	3083460	16030	3/8 - 16	2.94	.75	1.25	.381	3	H3
2746439	19644	2748329	16034	3/8 - 24	2.94	.75	1.25	.381	3	H3
2746435	19647	2748325	16036	7/16 - 14	3.16	.88	—	.323	3	H3
—	—	2748321	16038	7/16 - 20	3.16	.88	—	.323	3	H3
2746431	19649	2748317	16040	1/2 - 13	3.38	.94	—	.367	3	H3
—	—	2748314	16042	1/2 - 20	3.38	.94	—	.367	3	H3
—	—	2748309	16048	5/8 - 11	3.81	1.09	—	.480	4	H3
—	—	3083458	16052	3/4 - 10	4.25	1.22	—	.590	4	H3

NOTE: Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 2B or 3B class of fit.

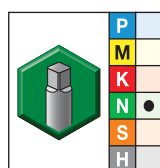
- Series 5364TC • TiCN Coated
- Series 2364 • TiN Coated
- Series 5364 • Uncoated



■ Series 2364/5364 • Plug Chamfer • Metric ANSI



TiN



uncoated

- first choice
- alternate choice

				inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 size	L	L2	L3	D		
2746264	19927	2748302	16053	M3 X 0,5	1.94	—	.31	.141	2	D3
2746260	19929	2748297	16057	M4 X 0,7	2.13	.75	.38	.168	3	D4
—		2748295	16061	M5 X 0,8	2.38	.88	.50	.194	3	D4
2746252	19933	2748291	16063	M6 X 1	2.50	1.00	.63	.255	3	D5
2746248	19935	2748285	16069	M8 X 1,25	2.72	1.12	.69	.318	3	D5
—		2746915	19054	M8 X 1,25	2.72	1.12	.69	.318	3	D5
2746244	19937	2748281	16071	M10 X 1,5	2.94	1.25	.75	.381	3	D6
2746240	19939	2748273	16073	M12 X 1,75	3.38	—	.94	.367	3	D6

NOTE: Metric D limits are suitable for ISO 6H tolerance class.
 Metric taps are manufactured to USCTI specifications and dimensions.
 Metric tap blank dimensions are equivalent to inch taps.
 Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 6H class of fit.

Production Taps

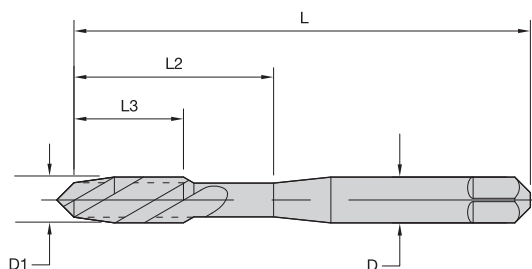
Spiral-Flute Taps • Blind Holes in General Machining Applications

WIDIA
GTD™

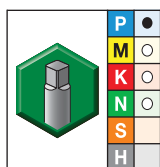
Series 5364TC • TiCN Coated

Series 2364 • TiN Coated

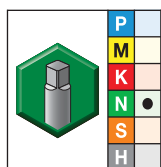
Series 5364 • Uncoated



■ Series 2364/5364 • Bottoming Chamfer • Metric ANSI



TiN

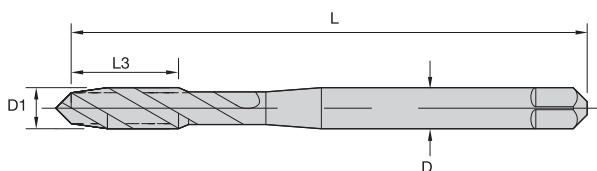
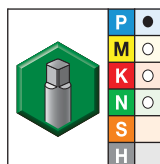


uncoated

- first choice
- alternate choice

TiN		uncoated		inch dimensions					number of flutes	pitch diameter limit
order #	catalog #	order #	catalog #	D1 size	L	L2	L3	D		
2746262	19928	2748300	16054	M3 X 0,5	1.94	—	.31	.141	2	D3
2746258	19930	2748296	16058	M4 X 0,7	2.13	.75	.38	.168	3	D4
2746254	19932	2748293	16062	M5 X 0,8	2.38	.88	.50	.194	3	D4
2746250	19934	2748288	16064	M6 X 1	2.50	.75	.38	.255	3	D5
2746246	19936	2748284	16070	M8 X 1,25	2.72	1.12	.69	.318	3	D5
2746242	19938	2748275	16072	M10 X 1,5	2.94	1.25	.75	.381	3	D6
2746238	19940	2748271	16074	M12 X 1,75	3.38	—	.94	.367	3	D6

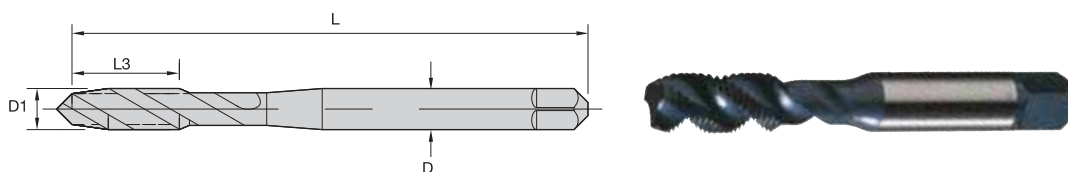
NOTE: Metric D limits are suitable for ISO 6H tolerance class.
Metric taps are manufactured to USCTI specifications and dimensions.
Metric tap blank dimensions are equivalent to inch taps.


■ Series 5344 • Machine Screw and Fractional • Plug Chamfer


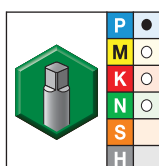
- first choice
- alternate choice

oxide		inch dimensions				number of flutes	pitch diameter limit
order #	catalog #	D1 size	L	L3	D		
2748044	16507	10 - 32	2.38	.50	.194	3	H3
2748040	16509	1/4 - 20	2.50	.63	.255	3	H3
2748037	16511	1/4 - 28	2.50	.63	.255	3	H3
2748032	16513	5/16 - 18	2.72	.69	.318	3	H3
2748024	16517	3/8 - 16	2.94	.75	.381	3	H3
2748012	16523	7/16 - 20	3.17	1.44	.323	3	H3
2748008	16525	1/2 - 13	3.38	.94	.367	3	H3
2748000	16533	5/8 - 11	3.81	1.09	.480	4	H3
2747997	16537	3/4 - 10	4.25	1.22	.590	4	H3

NOTE: Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 2B or 3B class of fit.



■ **Series 5344 • Machine Screw and Fractional • Bottoming Chamfer**



- first choice
- alternate choice

oxide		inch dimensions				number of flutes	pitch diameter limit
order #	catalog #	D1 size	L	L3	D		
2748054	16502	6 - 32	2.00	.38	.141	3	H3
2748050	16504	8 - 32	2.13	.38	.168	3	H3
2748046	16506	10 - 24	2.38	.50	.194	3	H3
2748042	16508	10 - 32	2.38	.50	.194	3	H3
2748038	16510	1/4 - 20	2.50	.63	.255	3	H3
2748030	16514	5/16 - 18	2.72	.69	.318	3	H3
2748026	16516	5/16 - 24	2.72	.69	.318	3	H3
2748022	16518	3/8 - 16	2.94	.75	.381	3	H3
2748018	16520	3/8 - 24	2.94	.75	.381	3	H3
2748014	16522	7/16 - 14	3.16	.88	.323	3	H3
2748011	16524	7/16 - 20	3.17	1.44	.232	3	H3
2748006	16526	1/2 - 13	3.38	.94	.367	3	H3
2748002	16528	1/2 - 20	3.38	1.66	.367	3	H3
2747998	16534	5/8 - 11	3.81	1.09	.480	4	H3
2747995	16538	3/4 - 10	4.25	1.22	.590	4	H3

NOTE: Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 2B or 3B class of fit.