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KENNAMETAL®

MASTER CATALOG 2018

VOLUME TWO | **ROTATING** TOOLS

HOLEMAKING | TAPPING | SOLID END MILLING | INDEXABLE MILLING

Spiral-Flute Taps

High-Performance Taps for Blind-Hole Applications

- Steel and steel alloys.
- Stainless steel.
- Cast iron.
- Nickel- and cobalt-based alloys.
- Titanium and titanium alloys.
- Aluminum.
- Hard steel.

High-Performance Beyond™ Solid Carbide Taps

- Right-hand spiral flute with through coolant for efficient chip evacuation at high spindle speeds.
- Runs up to 4x faster and 4x longer than conventional high-speed steel (HSS) taps.
- Ideal for long production runs where fewer tool changes result in greater productivity.
- For use on CNC machines with synchronous or rigid controls and precision toolholders.

High-Performance Beyond™ HSS-E-PM Taps

- Right-hand spiral flutes with the flute form and helix angle optimized for material-specific applications.
- Higher strength and wider range of applications versus solid carbide taps.
- Higher tapping speed capability and longer tool life than conventional HSS-E taps.
- Can be used on either conventional or synchronous tapping machines with rigid or synchronous tap holders.

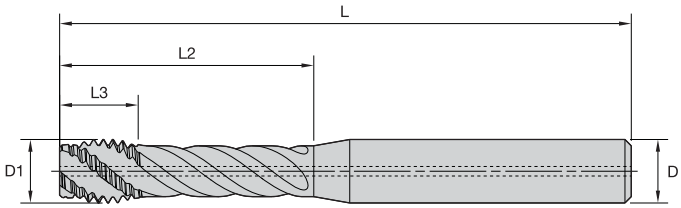
Multipurpose HSS-E GOtap™ Taps

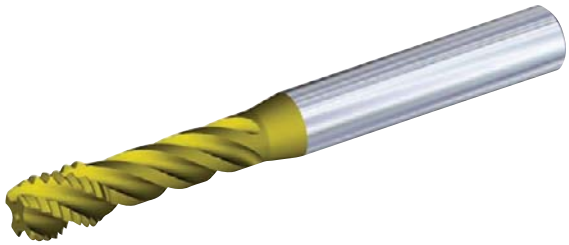
- Advanced spiral-flute geometry designed for free cutting action and efficient chip evacuation in blind holes.
- Manufactured with high vanadium HSS-E material for exceptional wear characteristics and longer tool life.
- Advanced PVD coatings to reduce tapping torque, resulting in high-quality thread finish and longer tool life.
- For use in both synchronous and non-synchronous machines, including rigid, synchronous, and tension/compression tap holders.

General-Purpose Taps

- HSS spiral-flute taps with a neck design for improved chip flow in blind holes.
- Wide range of sizes and pitch limits offered with PVD coatings and surface treatments.
- Heavy-duty spiral-flute taps ideal for blind-hole tapping in materials up to 30 Rc.

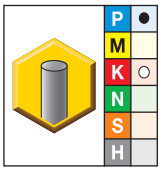
- KC7542 TiAlN + TiN for steel.





beyond

T331 • Form C Semi-Bottoming Chamfer • Through Coolant • Inch • Solid Carbide • For Steel



● first choice
○ alternate choice

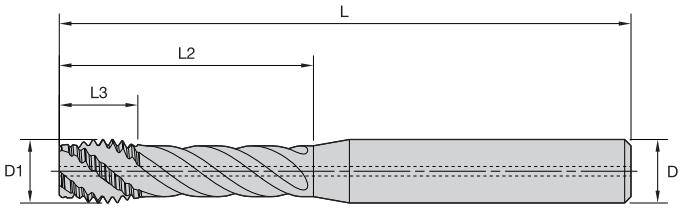
KC7542	D1 size	L	L3	L2	D	number of flutes	class of fit
T331NC2500-20R3BX	1/4 - 20	2.76	.39	.94	.250	3	3BX
T331NF2500-28R3BX	1/4 - 28	2.76	.39	.94	.250	3	3BX
T331NC3125-18R3BX	5/16 - 18	3.15	.47	1.26	.313	3	3BX
T331NC3750-16R3BX	3/8 - 16	3.54	.51	1.57	.375	4	3BX
T331NC4375-14R3BX	7/16 - 14	3.94	.59	1.73	.438	4	3BX
T331NC5000-13R3BX *	1/2 - 13	3.94	.63	1.89	.500	4	3BX

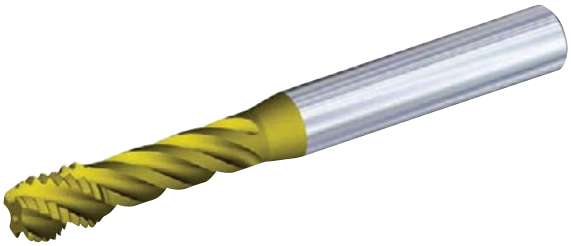
NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

Shank Tolerance

D	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

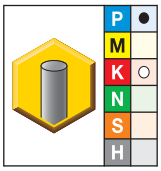
• KC7542 TiAlN + TiN for steel.





beyond

T331 • Form C Semi-Bottoming Chamfer • Through Coolant • Metric • Solid Carbide • For Steel



● first choice
○ alternate choice

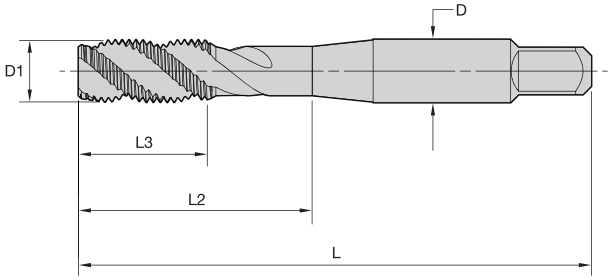
KC7542	D1 size	L	L3	L2	D	number of flutes	class of fit
T331M060X100R6HX	M6 X 1	70	8	24	6,0	3	6HX
T331M080X125R6HX	M8 X 1,25	80	10	32	8,0	3	6HX
T331M100X150R6HX	M10 X 1,5	90	12	40	10,0	4	6HX
T331MF120X150R6HX	M12 X 1,5	100	14	48	12,0	4	6HX
T331M120X175R6HX	M12 X 1,75	100	14	48	12,0	4	6HX
T331MF140X150R6HX	M14 X 1,5	110	16	56	12,0	4	6HX
T331M140X200R6HX	M14 X 2	110	16	56	12,0	4	6HX
T331M160X200R6HX	M16 X 2	110	16	64	14,0	4	6HX

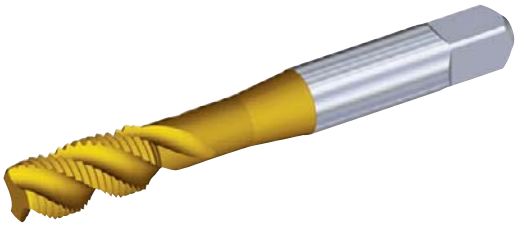
NOTE: Proprietary technology.

Shank Tolerance

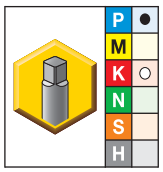
D	tolerance h6
6	+0, -0,008
8–10	+0, -0,009
12–16	+0, -0,011

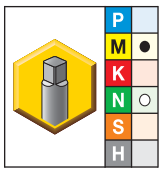
- KM6515 TiN + CrC/C for tapping stainless steel.
- KP6525 TiCN + TiN for tapping steel.





T630 • Form C Semi-Bottoming Chamfer • Metric ANSI • For Steel and Stainless Steel • Rigid and Synchronous Holders





● first choice
○ alternate choice

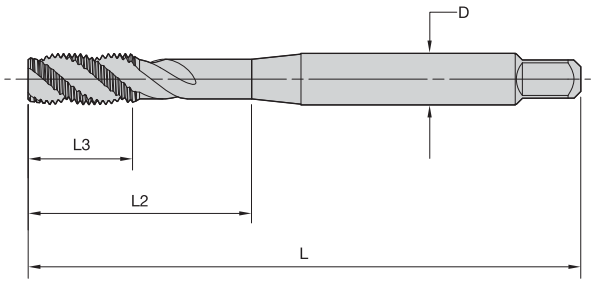
KP6525	KM6515	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T630NC#02-56R3BX-A *	T630NC#02-56R3BX-A	2 - 56	1.75	.44	.49	.141	2	ANSI	3BX
T630NC#04-40R3BX-A *	T630NC#04-40R3BX-A *	4 - 40	1.88	.56	.68	.141	2	ANSI	3BX
T630NC#04-40R2BX-A	T630NC#04-40R2BX-A *	4 - 40	1.88	.56	.68	.141	2	ANSI	2BX
T630NC#06-32R3BX-A	T630NC#06-32R3BX-A	6 - 32	1.99	.36	.71	.141	3	ANSI	3BX
T630NC#06-32R2BX-A *	T630NC#06-32R2BX-A	6 - 32	1.99	.36	.71	.141	3	ANSI	2BX
T630NC#08-32R3BX-A	T630NC#08-32R3BX-A	8 - 32	2.12	.31	.76	.168	3	ANSI	3BX
T630NF#10-32R2BX-A	T630NF#10-32R2BX-A	10 - 32	2.37	.47	.91	.194	3	ANSI	2BX
T630NF#10-32R3BX-A	T630NF#10-32R3BX-A	10 - 32	2.37	.47	.91	.194	3	ANSI	3BX
T630NC#10-24R3BX-A	T630NC#10-24R3BX-A	10 - 24	2.37	.47	.91	.194	3	ANSI	3BX
T630NF02500-28R2BX-A	T630NF02500-28R2BX-A *	1/4 - 28	2.50	.44	1.00	.255	3	ANSI	2BX
T630NF02500-28R3BX-A	T630NF02500-28R3BX-A	1/4 - 28	2.50	.44	1.00	.255	3	ANSI	3BX
T630NC02500-20R2BX-A	T630NC02500-20R2BX-A	1/4 - 20	2.50	.44	1.01	.255	3	ANSI	2BX
T630NC02500-20R3BX-A	T630NC02500-20R3BX-A	1/4 - 20	2.50	.44	1.01	.255	3	ANSI	3BX
T630NF03125-24R2BX-A	T630NF03125-24R2BX-A	5/16 - 24	2.72	.49	1.13	.318	3	ANSI	2BX
T630NF03125-24R3BX-A	T630NF03125-24R3BX-A	5/16 - 24	2.72	.49	1.13	.318	3	ANSI	3BX
T630NC03125-18R2BX-A	T630NC03125-18R2BX-A	5/16 - 18	2.72	.49	1.13	.318	3	ANSI	2BX
T630NC03125-18R3BX-A	T630NC03125-18R3BX-A	5/16 - 18	2.72	.49	1.13	.318	3	ANSI	3BX
T630NF03750-24R3BX-A	T630NF03750-24R3BX-A	3/8 - 24	2.93	.59	1.26	.381	3	ANSI	3BX
T630NC03750-16R2BX-A	T630NC03750-16R2BX-A	3/8 - 16	2.94	.60	1.27	.381	3	ANSI	2BX
T630NC03750-16R3BX-A	T630NC03750-16R3BX-A	3/8 - 16	2.94	.60	1.27	.381	3	ANSI	3BX
T630NC04375-14R3BX-A	T630NC04375-14R3BX-A *	7/16 - 14	3.16	.71	1.49	.323	5	ANSI	3BX
T630NF04375-20R3BX-A	T630NF04375-20R3BX-A *	7/16 - 20	3.16	.71	1.49	.323	5	ANSI	3BX
T630NC05000-13R3BX-A	T630NC05000-13R3BX-A	1/2 - 13	3.38	.77	1.74	.367	5	ANSI	3BX
T630NC05000-13R2BX-A	T630NC05000-13R2BX-A	1/2 - 13	3.38	.77	1.74	.367	4	ANSI	2BX
T630NF05000-20R3BX-A	T630NF05000-20R3BX-A	1/2 - 20	3.38	.77	1.74	.367	4	ANSI	3BX
T630NC06250-11R3BX-A	T630NC06250-11R3BX-A	5/8 - 11	3.81	.91	1.89	.480	5	ANSI	3BX
T630NC06250-11R2BX-A	T630NC06250-11R2BX-A	5/8 - 11	3.81	.91	1.89	.480	4	ANSI	2BX
—	T630NC07500-10R3BX-A *	3/4 - 10	4.25	1.00	2.08	.590	4	ANSI	3BX
T630NC07500-10R3BX-A	—	3/4 - 10	4.25	1.00	2.08	.590	5	ANSI	3BX
T630NC07500-10R2BX-A	T630NC07500-10R2BX-A	3/4 - 10	4.25	1.00	2.08	.590	4	ANSI	2BX
T630NC10000-08R3BX-A	T630NC10000-08R3BX-A *	1 - 8	5.13	1.25	2.58	.800	5	ANSI	3BX

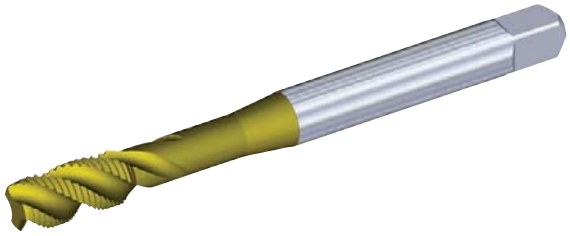
NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

NOTE: Suggested for use in rigid and synchronous holders.

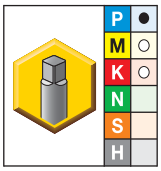
Shank Tolerance	
D fractional	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

- KP6525 TiCN + TiN for steel.





T630 • DIN 371 and 376 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • For Steel • Rigid and Synchronous Holders



● first choice
○ alternate choice

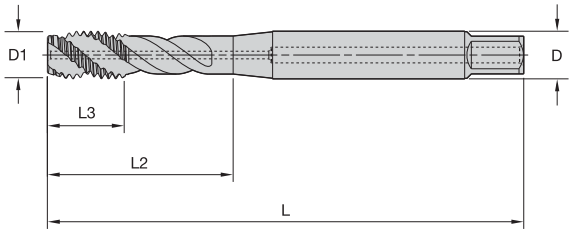
KP6525	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T630NC#06-32R2BX-D1	6 - 32	56	9	20	4,0	3	DIN 371	2BX
T630NF#06-40R2BX-D1	6 - 40	56	9	20	4,0	3	DIN 371	2BX
T630NC#08-32R2BX-D1	8 - 32	63	10	21	4,5	3	DIN 371	2BX
T630NC#10-24R2BX-D1	10 - 24	70	10	25	6,0	3	DIN 371	2BX
T630NF#10-32R2BX-D1	10 - 32	70	10	25	6,0	3	DIN 371	2BX
T630NC02500-20R3BX-D1	1/4 - 20	80	13	30	7,0	3	DIN 371	3BX
T630NF02500-28R3BX-D1	1/4 - 28	80	13	30	7,0	3	DIN 371	3BX
T630NC03125-18R3BX-D1	5/16 - 18	90	13	35	8,0	3	DIN 371	3BX
T630NF03125-24R3BX-D1	5/16 - 24	90	13	35	8,0	3	DIN 371	3BX
T630NC03750-16R3BX-D1	3/8 - 16	100	16	39	10,0	3	DIN 371	3BX
T630NF03750-24R3BX-D1	3/8 - 24	100	16	39	10,0	3	DIN 371	3BX
T630NC04375-14R3BX-D6	7/16 - 14	100	15	41	8,0	4	DIN 376	3BX
T630NF04375-20R3BX-D6	7/16 - 20	100	15	41	8,0	4	DIN 376	3BX
T630NC05000-13R3BX-D6	1/2 - 13	110	20	47	9,0	4	DIN 376	3BX
T630NF05000-20R3BX-D6	1/2 - 20	110	20	47	9,0	4	DIN 376	3BX

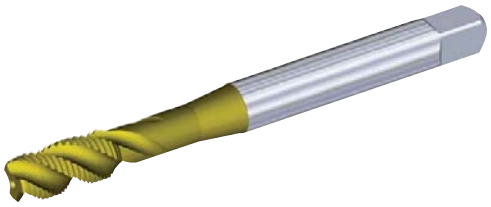
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

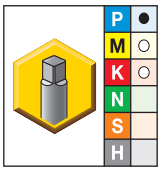
D fractional	tolerance h6
>3–6	+0, -0,008
>6–10	+0, -0,009
<10–18	+0, -0,011

• KP6525 TiCN + TiN for steel.





T631 • DIN 371 and 376 • Form C Semi-Bottoming Chamfer • Through Coolant • Fractional • For Steel • Rigid and Synchronous Holders



● first choice
○ alternate choice

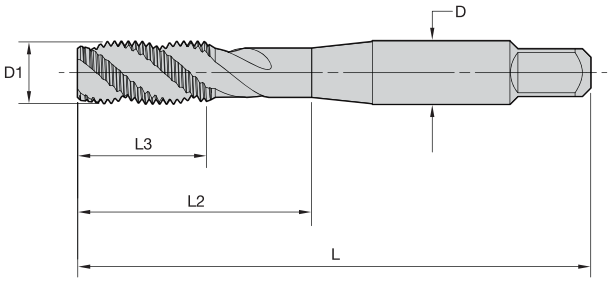
KP6525	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T631NC02500-20R3BX-D1	1/4 - 20	80	13	30	7,0	3	DIN 371	3BX
T631NF02500-28R3BX-D1	1/4 - 28	80	13	30	7,0	3	DIN 371	3BX
T631NC03125-18R3BX-D1	5/16 - 18	90	13	35	8,0	3	DIN 371	3BX
T631NF03125-24R3BX-D1	5/16 - 24	90	13	35	8,0	3	DIN 371	3BX
T631NC03750-16R3BX-D1	3/8 - 16	100	16	39	10,0	3	DIN 371	3BX
T631NF03750-24R3BX-D1	3/8 - 24	100	16	39	10,0	3	DIN 371	3BX
T631NC04375-14R3BX-D6	7/16 - 14	100	15	41	8,0	4	DIN 376	3BX
T631NF04375-20R3BX-D6	7/16 - 20	100	15	41	8,0	4	DIN 376	3BX
T631NC05000-13R3BX-D6	1/2 - 13	110	20	47	9,0	4	DIN 376	3BX
T631NF05000-20R3BX-D6	1/2 - 20	110	20	47	9,0	4	DIN 376	3BX

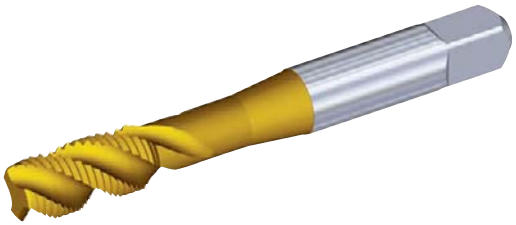
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

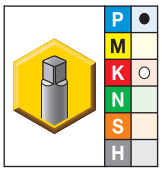
D fractional	tolerance h6
>3–6	+0, -0,008
>6–10	+0, -0,009
<10–18	+0, -0,011

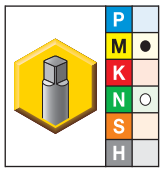
- KM6515 TiN + CrC/C for tapping stainless steel.
- KP6525 TiCN + TiN for tapping steel.





T630 • Form C Semi-Bottoming Chamfer • Metric ANSI • For Steel and Stainless Steel • Rigid and Synchronous Holders





● first choice
○ alternate choice

KP6525	KM6515	D1 size	L	L3	L2	D	number of flutes	class of fit
T630M030X050R6HX-A	T630M030X050R6HX-A *	M3 X 0,5	1.94	.63	.75	.141	2	6HX
T630M040X070R6HX-A	T630M040X070R6HX-A	M4 X 0,7	2.12	.32	.76	.168	3	6HX
T630M050X080R6HX-A	T630M050X080R6HX-A *	M5 X 0,8	2.37	.47	.91	.194	3	6HX
T630M060X100R6HX-A	T630M060X100R6HX-A	M6 X 1	2.50	.46	1.01	.255	3	6HX
T630M080X125R6HX-A	T630M080X125R6HX-A	M8 X 1,25	2.71	.48	1.12	.318	3	6HX
T630M100X150R6HX-A	T630M100X150R6HX-A	M10 X 1,5	2.92	.53	1.26	.381	3	6HX
T630M120X175R6HX-A	T630M120X175R6HX-A	M12 X 1,75	3.38	.77	1.74	.367	5	6HX
T630M140X200R6HX-A	T630M140X200R6HX-A	M14 X 2	3.59	.83	1.74	.429	5	6HX
T630M160X200R6HX-A	T630M160X200R6HX-A	M16 X 2	3.81	.91	1.89	.480	5	6HX

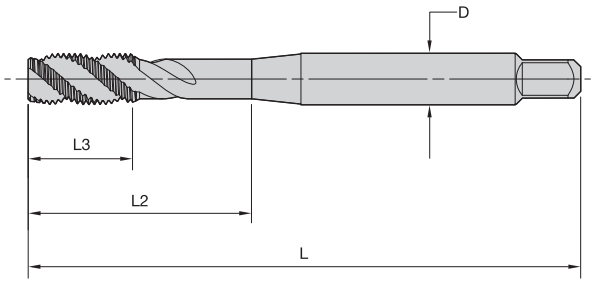
NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

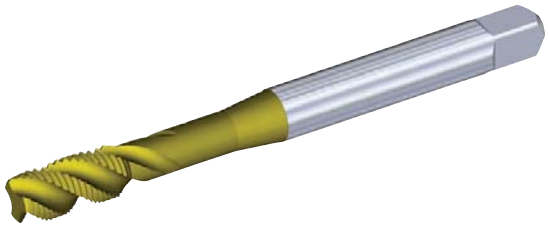
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

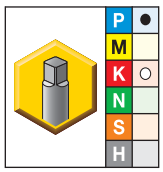
D fractional	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

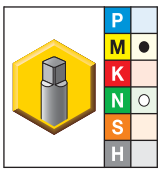
- KM6515 TiN + CrC/C for stainless steel.
- KP6525 TiCN + TiN for steel.





T630 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • Metric • For Steel and Stainless Steel • Rigid and Synchronous Holders





● first choice
○ alternate choice

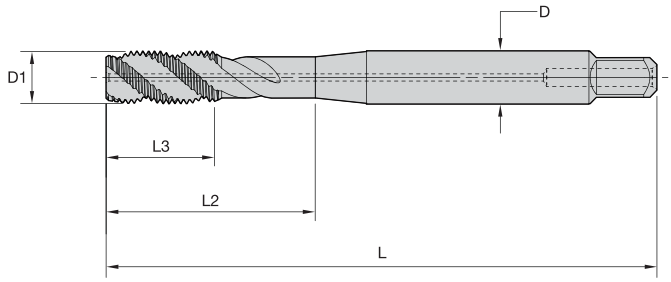
KP6525	KM6515	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T630M030X050R6HX-D1	T630M030X050R6HX-D1	M3 X 0,5	56	8	18	3,5	3	DIN 371	6HX
T630M040X070R6HX-D1	T630M040X070R6HX-D1	M4 X 0,7	63	10	21	4,5	3	DIN 371	6HX
T630M050X080R6HX-D1	T630M050X080R6HX-D1	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
T630M060X100R6HX-D1	T630M060X100R6HX-D1	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
T630MF080X100R6HX-D4	T630MF080X100R6HX-D4	M8 X 1	90	13	35	6,0	3	DIN 374	6HX
T630M080X125R6HX-D1	T630M080X125R6HX-D1	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
T630MF100X100R6HX-D4	T630MF100X100R6HX-D4	M10 X 1	90	10	35	7,0	3	DIN 374	6HX
T630MF100X125R6HX-D4	T630MF100X125R6HX-D4	M10 X 1,25	100	15	39	7,0	3	DIN 374	6HX
T630M100X150R6HX-D1	T630M100X150R6HX-D1	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
T630MF120X150R6HX-D4	T630MF120X150R6HX-D4	M12 X 1,5	100	15	39	9,0	4	DIN 374	6HX
T630M120X175R6HX-D6	T630M120X175R6HX-D6	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
T630MF140X150R6HX-D4	T630MF140X150R6HX-D4	M14 X 1,5	100	15	47	11,0	4	DIN 374	6HX
T630M140X200R6HX-D6	T630M140X200R6HX-D6	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
T630MF160X150R6HX-D4	T630MF160X150R6HX-D4	M16 X 1,5	100	15	46	12,0	4	DIN 374	6HX
T630M160X200R6HX-D6	T630M160X200R6HX-D6	M16 X 2	110	20	51	12,0	4	DIN 376	6HX
T630MF180X150R6HX-D4	T630MF180X150R6HX-D4	M18 X 1,5	110	15	50	14,0	4	DIN 374	6HX
T630M180X250R6HX-D6	T630M180X250R6HX-D6	M18 X 2,5	125	25	58	14,0	4	DIN 376	6HX

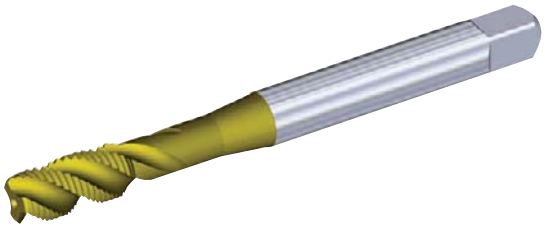
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

D	tolerance h6
6	+0, -0,008
8–10	+0, -0,009
12–16	+0, -0,011

- KM6515 TiN + CrC/C for stainless steel.
- KP6525 TiCN + TiN for steel.





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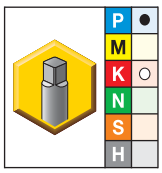
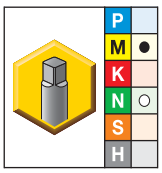




● first choice
○ alternate choice

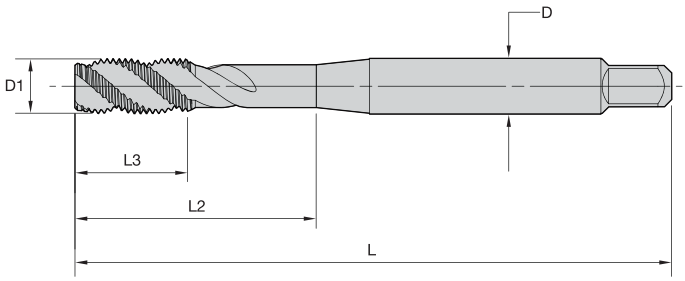
KP6525	KM6515	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T631M050X080R6HX-D1	T631M050X080R6HX-D1	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
T631M060X100R6HX-D1	T631M060X100R6HX-D1	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
T631MF080X100R6HX-D4	T631MF080X100R6HX-D4	M8 X 1	90	13	35	6,0	3	DIN 374	6HX
T631M080X125R6HX-D1	T631M080X125R6HX-D1	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
T631MF100X100R6HX-D4	T631MF100X100R6HX-D4	M10 X 1	90	10	35	7,0	3	DIN 374	6HX
T631MF100X125R6HX-D4	T631MF100X125R6HX-D4	M10 X 1,25	100	15	39	7,0	3	DIN 374	6HX
T631M100X150R6HX-D1	T631M100X150R6HX-D1	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
T631MF120X125R6HX-D4	T631MF120X125R6HX-D4	M12 X 1,25	100	15	39	9,0	4	DIN 374	6HX
T631MF120X150R6HX-D4	T631MF120X150R6HX-D4	M12 X 1,5	100	15	39	9,0	4	DIN 374	6HX
T631M120X175R6HX-D6	T631M120X175R6HX-D6	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
T631MF140X125R6HX-D4	T631MF140X125R6HX-D4	M14 X 1,25	100	15	47	11,0	4	DIN 374	6HX
T631MF140X150R6HX-D4	T631MF140X150R6HX-D4	M14 X 1,5	100	15	47	11,0	4	DIN 374	6HX
T631M140X200R6HX-D6	T631M140X200R6HX-D6	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
T631MF160X150R6HX-D4	T631MF160X150R6HX-D4	M16 X 1,5	100	15	46	12,0	4	DIN 374	6HX
T631M160X200R6HX-D6	T631M160X200R6HX-D6	M16 X 2	110	20	51	12,0	4	DIN 376	6HX
T631MF180X150R6HX-D4	T631MF180X150R6HX-D4	M18 X 1,5	110	15	50	14,0	4	DIN 374	6HX
T631M180X250R6HX-D6	T631M180X250R6HX-D6	M18 X 2,5	125	25	58	14,0	4	DIN 376	6HX

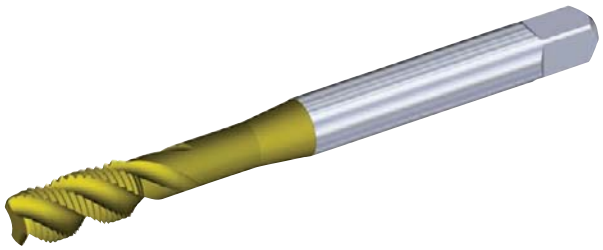
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

D	tolerance h6
6	+0, -0,008
8–10	+0, -0,009
12–16	+0, -0,011

- KP6525 TiCN + TiN for tapping steel.





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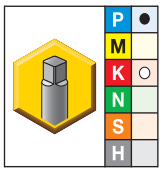


● first choice
○ alternate choice

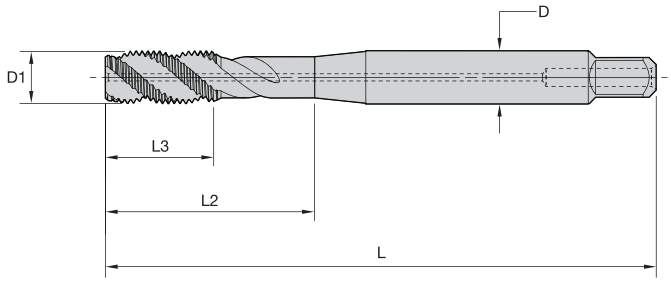
KP6525	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T632M050X080R6HX-D1	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
T632M060X100R6HX-D1	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
T632M080X125R6HX-D1	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
T632M100X150R6HX-D1	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
T632MF120X150R6HX-D4	M12 X 1,5	100	15	39	9,0	4	DIN 374	6HX
T632M120X175R6HX-D6	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
T632MF140X150R6HX-D4	M14 X 1,5	100	15	47	11,0	4	DIN 374	6HX
T632M140X200R6HX-D6	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
T632MF160X150R6HX-D4	M16 X 1,5	100	15	46	12,0	4	DIN 374	6HX

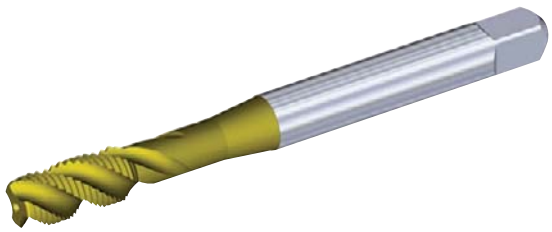
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

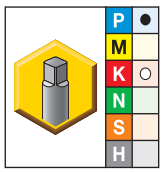
D	tolerance h6
6	+0, -0,008
8–10	+0, -0,009
12–16	+0, -0,011

- KP6525 TiCN + TiN for tapping steel.





T633 • DIN 371, 374, and 376 • Form E Bottoming Chamfer • Through Coolant • Metric • For Steel • Rigid and Synchronous Holders



● first choice
○ alternate choice

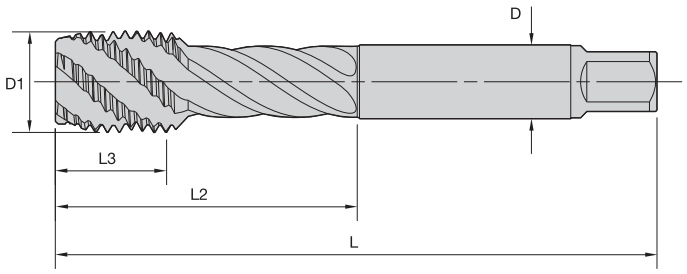
KP6525	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T633M050X080R6HX-D1	M5 X 0,8	70	10	25	6,0	3	DIN 371	6HX
T633M060X100R6HX-D1	M6 X 1	80	10	30	6,0	3	DIN 371	6HX
T633M080X125R6HX-D1	M8 X 1,25	90	13	35	8,0	3	DIN 371	6HX
T633M100X150R6HX-D1	M10 X 1,5	100	15	39	10,0	3	DIN 371	6HX
T633MF120X150R6HX-D4	M12 X 1,5	100	15	39	9,0	4	DIN 374	6HX
T633M120X175R6HX-D6	M12 X 1,75	110	18	44	9,0	4	DIN 376	6HX
T633MF140X150R6HX-D4	M14 X 1,5	100	15	47	11,0	4	DIN 374	6HX
T633M140X200R6HX-D6	M14 X 2	110	20	52	11,0	4	DIN 376	6HX
T633MF160X150R6HX-D4	M16 X 1,5	100	15	46	12,0	4	DIN 374	6HX

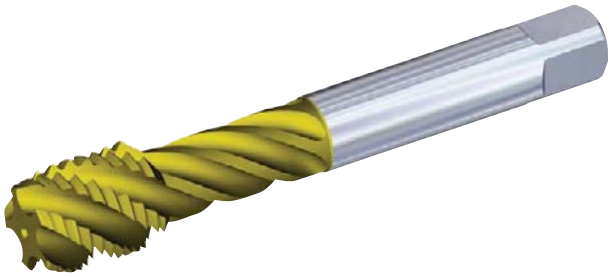
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

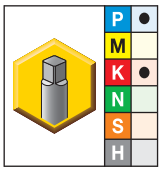
D	tolerance h6
6	+0, -0,008
8–10	+0, -0,009
12–16	+0, -0,011

- KP6525 TiCN + TiN for tapping steel and cast iron.





T630 • DIN 376 • Form C Semi-Bottoming Chamfer • Larger Sizes • Metric • For Steel and Cast Iron • Rigid and Synchronous Holders



● first choice
○ alternate choice

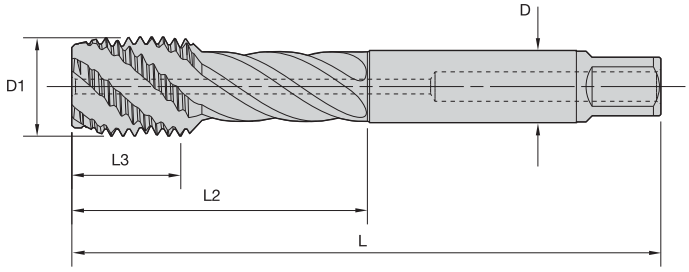
KP6525	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T630M240X300R6HX-D6	M24 X 3	160	30	77	18,0	5	DIN 376	6HX
T630M300X350R6HX-D6	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
T630M330X350R6HX-D6	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
T630M360X400R6HX-D6	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
T630M420X450R6HX-D6	M42 X 4,5	200	45	120	32,0	5	DIN 376	6HX

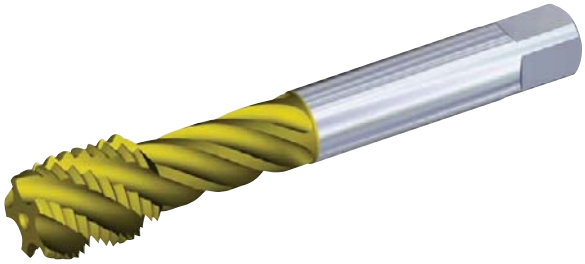
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

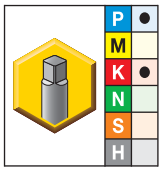
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

- KP6525 TiCN + TiN for tapping steel and cast iron.





T631 • DIN 376 • Form C Semi-Bottoming Chamfer • Through Coolant • Larger Sizes • Metric • For Steel and Cast Iron • Rigid and Synchronous Holders



● first choice
○ alternate choice

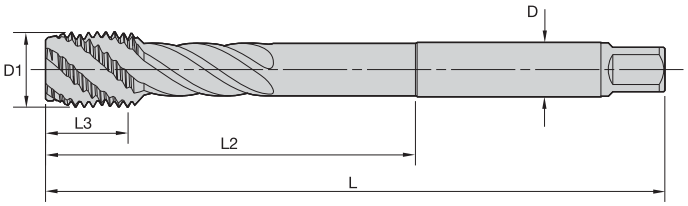
KP6525	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T631M240X300R6HX-D6	M24 X 3	160	30	77	18,0	5	DIN 376	6HX
T631M300X350R6HX-D6	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
T631M330X350R6HX-D6	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
T631M360X400R6HX-D6	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
T631M420X450R6HX-D6	M42 X 4,5	200	45	120	32,0	5	DIN 376	6HX

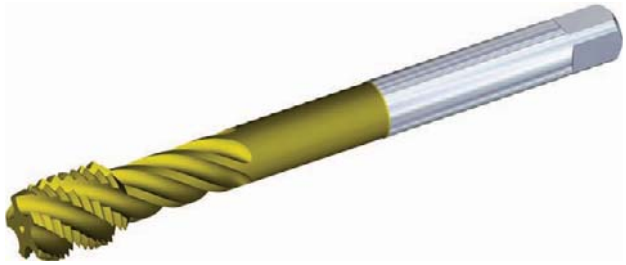
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

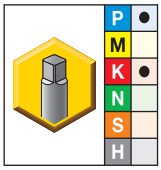
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

- KP6525 TiCN + TiN for tapping steel and cast iron.





T630 • Extra Long • Form C Semi-Bottoming Chamfer • Larger Sizes • Metric • For Steel and Cast Iron • Rigid and Synchronous Holders



● first choice
○ alternate choice

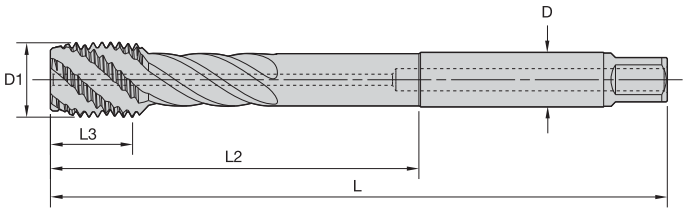
KP6525	D1 size	L	L3	L2	D	number of flutes	class of fit
T630M240X300R6HX-XL	M24 X 3	200	30	120	18,0	5	6HX
T630M300X350R6HX-XL	M30 X 3,5	250	35	150	22,0	5	6HX
T630M330X350R6HX-XL	M33 X 3,5	250	35	150	25,0	5	6HX
T630M360X400R6HX-XL	M36 X 4	250	40	150	28,0	5	6HX
T630M420X450R6HX-XL	M42 X 4,5	300	45	180	32,0	5	6HX

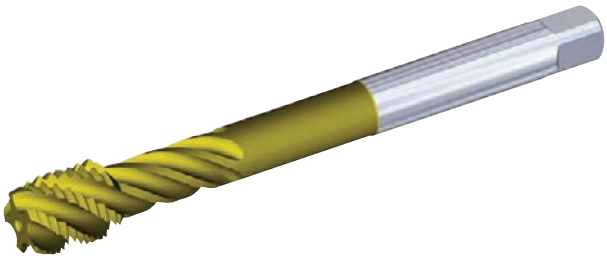
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

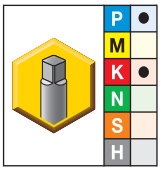
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

- KP6525 TiCN + TiN for tapping steel and cast iron.





T631 • Extra Long • Form C Semi-Bottoming Chamfer • Through Coolant • Larger Sizes • Metric • For Steel and Cast Iron • Rigid and Synchronous Holders



● first choice
○ alternate choice

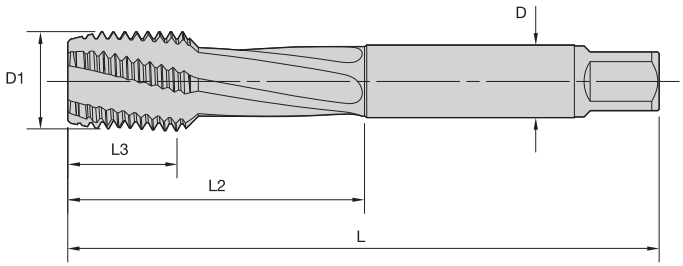
KP6525	D1 size	L	L3	L2	D	number of flutes	class of fit
T631M240X300R6HX-XL	M24 X 3	200	30	120	18,0	5	6HX
T631M300X350R6HX-XL	M30 X 3,5	250	35	150	22,0	5	6HX
T631M330X350R6HX-XL	M33 X 3,5	250	35	150	25,0	5	6HX
T631M360X400R6HX-XL	M36 X 4	250	40	150	28,0	5	6HX
T631M420X450R6HX-XL	M42 X 4,5	300	45	180	32,0	5	6HX

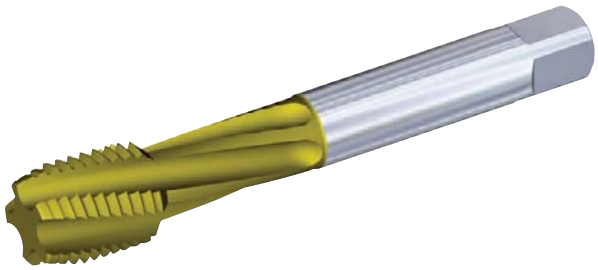
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

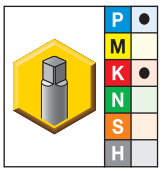
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

- KP6525 TiCN + TiN for tapping steel and cast iron.





T650 • DIN 376 • Form C Semi-Bottoming Chamfer • Larger Sizes • Metric • For Steel and Cast Iron



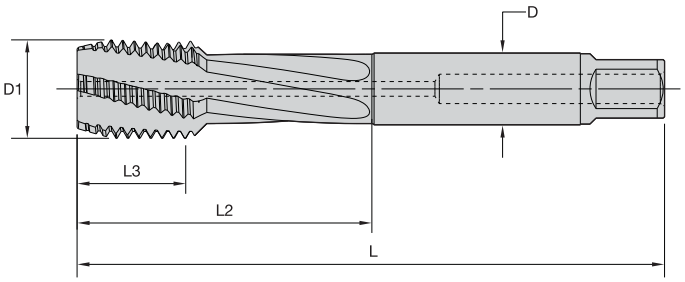
● first choice
○ alternate choice

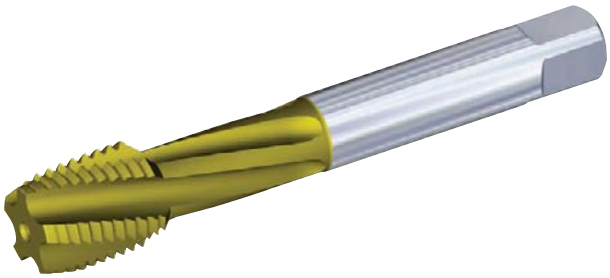
KP6525	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T650M240X300R6HX-D6	M24 X 3	160	30	77	18,0	4	DIN 376	6HX
T650M300X350R6HX-D6	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
T650M330X350R6HX-D6	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
T650M360X400R6HX-D6	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
T650M420X450R6HX-D6	M42 X 4,5	200	45	120	32,0	6	DIN 376	6HX

Shank Tolerance

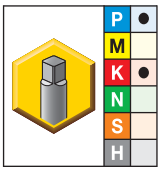
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

- KP6525 TiCN + TiN for tapping steel and cast iron.





T651 • DIN 376 • Form C Semi-Bottoming Chamfer • Through Coolant • Larger Sizes • Metric • For Steel and Cast Iron



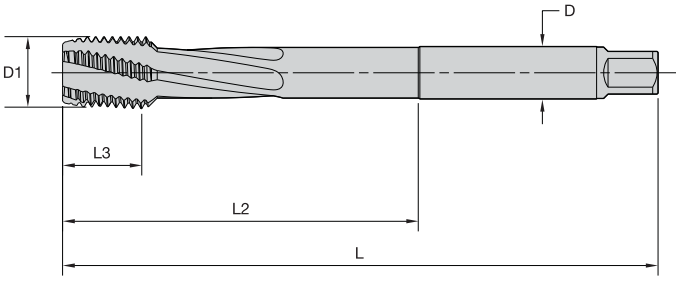
● first choice
○ alternate choice

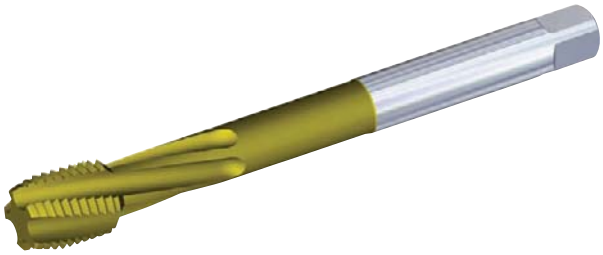
KP6525	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T651M240X300R6HX-D6	M24 X 3	160	30	77	18,0	4	DIN 376	6HX
T651M300X350R6HX-D6	M30 X 3,5	180	35	91	22,0	5	DIN 376	6HX
T651M330X350R6HX-D6	M33 X 3,5	180	35	100	25,0	5	DIN 376	6HX
T651M360X400R6HX-D6	M36 X 4	200	40	110	28,0	5	DIN 376	6HX
T651M420X450R6HX-D6	M42 X 4,5	200	45	120	32,0	6	DIN 376	6HX

Shank Tolerance

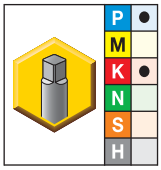
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

- KP6525 TiCN + TiN for tapping steel and cast iron.





T650 • Extra Long • Form C Semi-Bottoming Chamfer • Larger Sizes • Metric • For Steel and Cast Iron



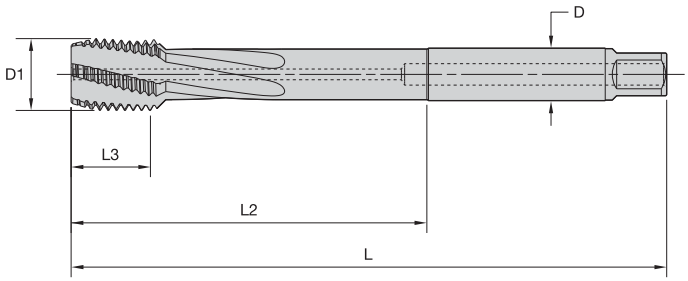
● first choice
○ alternate choice

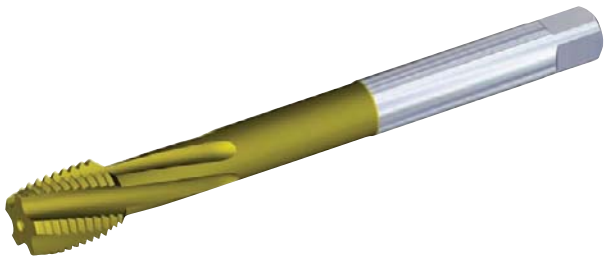
KP6525	D1 size	L	L3	L2	D	number of flutes	class of fit
T650M240X300R6HX-XL	M24 X 3	200	30	120	18,0	4	6HX
T650M300X350R6HX-XL	M30 X 3,5	250	35	150	22,0	5	6HX
T650M330X350R6HX-XL	M33 X 3,5	250	35	150	25,0	5	6HX
T650M360X400R6HX-XL	M36 X 4	250	40	150	28,0	5	6HX
T650M420X450R6HX-XL	M42 X 4,5	300	45	180	32,0	6	6HX

Shank Tolerance

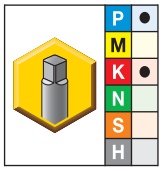
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

- KP6525 TiCN + TiN for tapping steel and cast iron.





T651 • Extra Long • Form C Semi-Bottoming Chamfer • Through Coolant • Larger Sizes • Metric • For Steel and Cast Iron



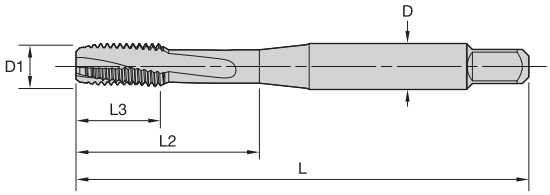
● first choice
○ alternate choice

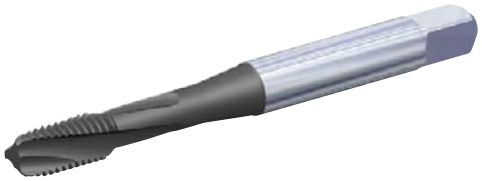
KP6525	D1 size	L	L3	L2	D	number of flutes	class of fit
T651M240X300R6HX-XL	M24 X 3	200	30	120	18,0	4	6HX
T651M300X350R6HX-XL	M30 X 3,5	250	35	150	22,0	5	6HX
T651M330X350R6HX-XL	M33 X 3,5	250	35	150	25,0	5	6HX
T651M360X400R6HX-XL	M36 X 4	250	40	150	28,0	5	6HX
T651M420X450R6HX-XL	M42 X 4,5	300	45	180	32,0	6	6HX

Shank Tolerance

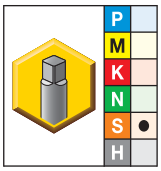
D	tolerance h6
12–18	+0, -0,011
20–30	+0, -0,013
32–36	+0, -0,016

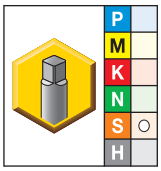
- KSS29 oxide/nitride for nickel- and cobalt-based alloys.
- KSP27 AlCrTiN for nickel- and cobalt-based alloys.





T692 • Machine Screw and Fractional • 3–4 Pitches Chamfer • ANSI • For Nickel- and Cobalt-Based Alloys



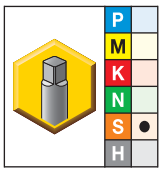


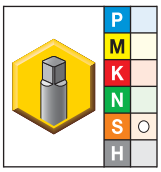
● first choice
○ alternate choice

KSP27	KSS29	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T692NC#02-56RH2-A *	T692NC#02-56RH2-A	2 - 56	1.75	.44	.50	.141	3	H2
—	T692NC#03-48RH2-A	3 - 48	1.81	.50	.56	.141	3	H2
T692NC#04-40RH2-A	T692NC#04-40RH2-A	4 - 40	1.88	.56	.69	.141	3	H2
T692NC#04-40RH3-A	T692NC#04-40RH3-A	4 - 40	1.88	.56	.69	.141	3	H3
—	T692NF#04-40RH5-A	4 - 40	1.88	.56	.69	.141	3	H5
—	T692NC#05-40RH2-A	5 - 40	1.95	.63	.76	.141	3	H2
—	T692NC#06-32RH2-A	6 - 32	1.99	.36	.71	.141	3	H2
T692NC#06-32RH3-A	T692NC#06-32RH3-A	6 - 32	1.99	.36	.71	.141	3	H3
—	T692NC#06-32RH5-A	6 - 32	2.03	.36	.71	.141	3	H5
T692NC#06-32RH7-A	T692NC#06-32RH7-A	6 - 32	2.03	.36	.71	.141	3	H7
—	T692NF#06-40RH2-A	6 - 40	2.03	.36	.71	.141	3	H2
—	T692NC#08-32RH2-A	8 - 32	2.16	.31	.76	.168	3	H2
T692NC#08-32RH3-A	T692NC#08-32RH3-A	8 - 32	2.12	.31	.76	.168	3	H3
T692NC#08-32RH4-A	T692NC#08-32RH4-A	8 - 32	2.16	.31	.76	.168	3	H4
T692NC#08-32RH5-A *	T692NC#08-32RH5-A	8 - 32	2.16	.31	.76	.168	3	H5
—	T692NC#08-32RH6-A	8 - 32	2.16	.31	.76	.168	3	H6
—	T692NC#10-24RH3-A	10 - 24	2.37	.47	.91	.194	3	H3
T692NC#10-24RH5-A	T692NC#10-24RH5-A	10 - 24	2.42	.47	.91	.194	3	H5
T692NF#10-32RH2-A	T692NF#10-32RH2-A	10 - 32	2.37	.47	.91	.194	3	H2
T692NF#10-32RH3-A	T692NF#10-32RH3-A	10 - 32	2.37	.47	.91	.194	3	H3
—	T692NF#10-32RH5-A	10 - 32	2.42	.47	.91	.194	3	H5
—	T692NF#10-32RH7-A	10 - 32	2.42	.47	.91	.194	3	H7
T692NC02500-20RH3-A	T692NC02500-20RH3-A	1/4 - 20	2.50	.44	1.00	.255	3	H3
—	T692NC02500-20RH5-A	1/4 - 20	2.50	.44	1.00	.255	3	H5
T692NF02500-28RH3-A	T692NF02500-28RH3-A	1/4 - 28	2.50	.44	1.00	.255	3	H3
—	T692NF02500-28RH5-A	1/4 - 28	2.50	.44	1.00	.255	3	H5
—	T692NF02500-28RH6-A	1/4 - 28	2.50	.44	1.00	.255	3	H6
—	T692NF02500-28RH7-A	1/4 - 28	2.50	.44	1.00	.255	3	H7
T692NC03125-18RH3-A	T692NC03125-18RH3-A	5/16 - 18	2.72	.49	1.13	.318	3	H3
T692NC03125-18RH5-A	T692NC03125-18RH5-A	5/16 - 18	2.72	.49	1.13	.318	3	H5
—	T692NC03125-18RH7-A	5/16 - 18	2.72	.49	1.13	.318	3	H7
T692NF03125-24RH3-A	T692NF03125-24RH3-A	5/16 - 24	2.72	.49	1.13	.318	3	H3

(continued)

(T692 • Machine Screw and Fractional • 3–4 Pitches Chamfer • ANSI • For Nickel- and Cobalt-Based Alloys — continued)





● first choice
○ alternate choice

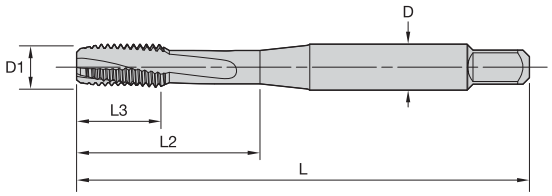
KSP27	KSS29	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
—	T692NF03125-24RH4-A	5/16 - 24	2.72	.49	1.13	.318	3	H4
—	T692NF03125-24RH5-A	5/16 - 24	2.72	.49	1.13	.318	3	H5
—	T692NF03125-24RH6-A	5/16 - 24	2.72	.49	1.13	.318	3	H6
—	T692NF03125-24RH7-A	5/16 - 24	2.72	.49	1.13	.318	3	H7
T692NC03750-16RH3-A	T692NC03750-16RH3-A	3/8 - 16	2.94	.60	1.27	.381	3	H3
T692NC03750-16RH5-A *	T692NC03750-16RH5-A	3/8 - 16	2.94	.60	1.27	.381	3	H5
T692NF03750-24RH3-A	T692NF03750-24RH3-A	3/8 - 24	2.94	.60	1.27	.381	3	H3
T692NF03750-24RH4-A	T692NF03750-24RH4-A	3/8 - 24	2.94	.60	1.27	.381	3	H4
T692NF03750-24RH5-A	T692NF03750-24RH5-A	3/8 - 24	2.94	.60	1.27	.381	3	H5
—	T692NF03750-24RH6-A	3/8 - 24	2.94	.60	1.27	.381	3	H6
—	T692NC04375-14RH3-A	7/16 - 14	3.16	.71	1.49	.323	3	H3
—	T692NC04375-14RH5-A	7/16 - 14	3.16	.71	1.49	.323	3	H5
T692NF04375-20RH3-A	T692NF04375-20RH3-A	7/16 - 20	3.16	.71	1.49	.323	3	H3
—	T692NF04375-20RH5-A	7/16 - 20	3.16	.71	1.49	.323	3	H5
T692NC05000-13RH3-A	T692NC05000-13RH3-A	1/2 - 13	3.38	.77	1.74	.367	3	H3
T692NC05000-13RH5-A	T692NC05000-13RH5-A	1/2 - 13	3.38	.77	1.74	.367	3	H5
T692NF05000-20RH3-A	T692NF05000-20RH3-A	1/2 - 20	3.38	.77	1.74	.367	3	H3
T692NF05000-20RH5-A	T692NF05000-20RH5-A	1/2 - 20	3.38	.77	1.74	.367	3	H5
—	T692NF05000-20RH7-A	1/2 - 20	3.38	.77	1.74	.367	3	H7
T692NC06250-11RH3-A	T692NC06250-11RH3-A	5/8 - 11	3.81	.91	1.89	.480	3	H3
—	T692NC06250-11RH5-A	5/8 - 11	3.81	1.31	1.89	.480	3	H5
—	T692NC06250-11RH7-A	5/8 - 11	3.81	.91	1.89	.480	3	H7
—	T692NF06250-18RH3-A	5/8 - 18	3.81	1.31	1.89	.480	3	H3
—	T692NC07500-10RH3-A	3/4 - 10	4.25	1.59	2.08	.590	3	H3
—	T692NC07500-10RH5-A	3/4 - 10	4.25	1.00	2.08	.590	3	H5
—	T692NF07500-16RH3-A	3/4 - 16	4.25	1.00	2.08	.590	3	H3
—	T692NF07500-16RH5-A	3/4 - 16	4.25	1.00	2.08	.590	3	H5

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

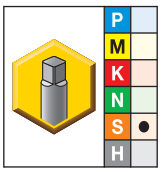
Shank Tolerance

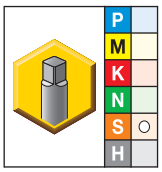
D	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

- KSS29 oxide/nitride for nickel- and cobalt-based alloys.
- KSP27 AlCrTiN for nickel- and cobalt-based alloys.



T692 • 3–4 Pitches Chamfer • Metric ANSI • For Nickel- and Cobalt-Based Alloys





● first choice
○ alternate choice

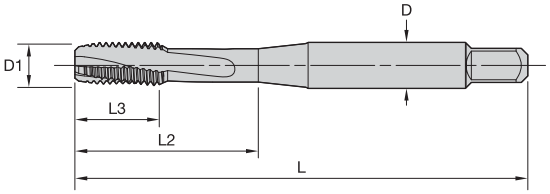
KSP27	KSS29	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T692M025X045RD3-A	**T692M025X045RD3-A**	M2,5 X 0,45	1.81	.50	.56	.141	3	D3
T692M030X050RD3-A	**T692M030X050RD3-A** *	M3 X 0,5	1.94	.63	.75	.141	3	D3
T692M040X070RD4-A *	**T692M040X070RD4-A**	M4 X 0,7	2.12	.32	.76	.168	3	D4
T692M050X080RD4-A	**T692M050X080RD4-A**	M5 X 0,8	2.37	.47	.91	.194	3	D4
T692M060X100RD5-A	**T692M060X100RD5-A**	M6 X 1	2.50	.46	1.00	.255	3	D5
T692MF080X100RD5-A	**T692MF080X100RD5-A**	M8 X 1	2.70	.48	1.12	.318	3	D5
T692M080X125RD5-A	**T692M080X125RD5-A**	M8 X 1,25	2.70	.48	1.12	.318	3	D5
T692MF100X125RD5-A	**T692MF100X125RD5-A**	M10 X 1,25	2.92	.53	1.26	.381	3	D5
T692M100X150RD6-A	**T692M100X150RD6-A**	M10 X 1,5	2.92	.53	1.26	.381	3	D6
T692M120X175RD6-A *	**T692M120X175RD6-A**	M12 X 1,75	3.38	.77	1.74	.367	3	D6

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

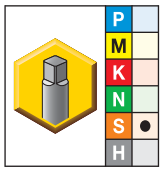
Shank Tolerance

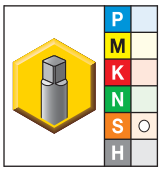
D	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

- KSS29 oxide/nitride for nickel- and cobalt-based alloys.
- KSP27 AlCrTiN for nickel- and cobalt-based alloys.



T694 • Machine Screw and Fractional • Form E Bottoming Chamfer • ANSI • For Nickel- and Cobalt-Based Alloys





● first choice
○ alternate choice

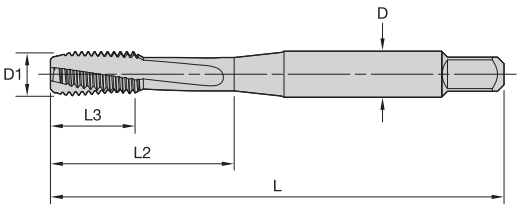
KSP27	KSS29	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T694NC#04-40RH2-A	T694NC#04-40RH2-A	4 - 40	1.88	.56	.70	.141	3	H2
—	T694NC#04-40RH3-A	4 - 40	1.88	.56	.69	.141	3	H3
—	T694NC#05-40RH2-A	5 - 40	1.95	.63	.76	.141	3	H2
T694NC#06-32RH3-A	T694NC#06-32RH3-A	6 - 32	1.99	.36	.71	.141	3	H3
—	T694NC#06-32RH5-A	6 - 32	2.03	.36	.71	.141	3	H5
—	T694NF#06-40RH2-A	6 - 40	2.03	.36	.71	.141	3	H2
T694NC#08-32RH3-A	T694NC#08-32RH3-A	8 - 32	2.12	.31	.76	.168	3	H3
T694NC#10-24RH3-A	T694NC#10-24RH3-A	10 - 24	2.42	.47	.91	.194	3	H3
T694NF#10-32RH3-A	T694NF#10-32RH3-A	10 - 32	2.37	.47	.91	.194	3	H3
T694NC02500-20RH3-A *	T694NC02500-20RH3-A	1/4 - 20	2.50	.44	1.00	.255	3	H3
—	T694NC02500-20RH5-A *	1/4 - 20	2.50	.44	1.00	.255	3	H5
T694NF02500-28RH3-A	T694NF02500-28RH3-A	1/4 - 28	2.50	.44	1.00	.255	3	H3
—	T694NF02500-28RH4-A	1/4 - 28	2.50	.44	1.00	.255	3	H4
T694NC03125-18RH3-A *	T694NC03125-18RH3-A	5/16 - 18	2.72	.49	1.13	.318	3	H3
T694NF03125-24RH3-A *	T694NF03125-24RH3-A	5/16 - 24	2.72	.49	1.13	.318	3	H3
—	T694NF03125-24RH4-A	5/16 - 24	2.72	.49	1.13	.318	3	H4
T694NC03750-16RH3-A	T694NC03750-16RH3-A	3/8 - 16	2.94	.60	1.27	.381	3	H3
—	T694NC03750-16RH5-A	3/8 - 16	2.94	.60	1.27	.381	3	H5
T694NF03750-24RH3-A	T694NF03750-24RH3-A	3/8 - 24	2.94	.60	1.27	.381	3	H3
—	T694NF03750-24RH4-A	3/8 - 24	2.94	.60	1.27	.381	3	H4
—	T694NC04375-14RH5-A	7/16 - 14	3.16	.71	1.49	.323	3	H5
T694NF04375-20RH3-A	T694NF04375-20RH3-A	7/16 - 20	3.16	.71	1.49	.323	3	H3
—	T694NF04375-20RH5-A	7/16 - 20	3.16	.71	1.49	.323	3	H5
—	T694NC05000-13RH5-A	1/2 - 13	3.38	.77	1.74	.367	3	H5
—	T694NF05000-20RH5-A	1/2 - 20	3.38	.77	1.74	.367	3	H5
T694NC06250-11RH3-A	T694NC06250-11RH3-A	5/8 - 11	3.81	.91	1.89	.480	3	H3
T694NF06250-18RH3-A	T694NF06250-18RH3-A	5/8 - 18	3.81	.91	1.89	.480	3	H3

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

Shank Tolerance

D	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

- KSS20 nitride for titanium and titanium alloys.
- KSSM24 TiN + CrC/C for titanium and titanium alloys.



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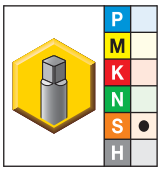
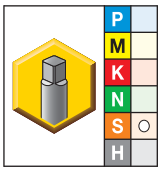


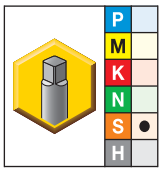


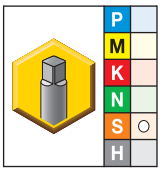
● first choice
○ alternate choice

KSSM24	KSS20	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T662NC#02-56RH2-A	T662NC#02-56RH2-A *	2 - 56	1.75	.44	.50	.141	3	H2
T662NC#04-40RH2-A	T662NC#04-40RH2-A	4 - 40	1.88	.56	.69	.142	3	H2
T662NC#06-32RH2-A *	T662NC#06-32RH2-A *	6 - 32	1.99	.36	.71	.141	3	H2
T662NC#06-32RH3-A *	T662NC#06-32RH3-A	6 - 32	1.99	.36	.71	.141	3	H3
T662NF#06-40RH2-A	T662NF#06-40RH2-A	6 - 40	1.99	.36	.71	.141	3	H2
T662NC#08-32RH2-A	T662NC#08-32RH2-A	8 - 32	2.12	.31	.77	.168	3	H2
T662NC#08-32RH3-A	T662NC#08-32RH3-A	8 - 32	2.12	.31	.77	.168	3	H3
T662NF#08-36RH2-A *	T662NF#08-36RH2-A	8 - 36	2.12	.31	.77	.168	3	H2
T662NC#10-24RH3-A	T662NC#10-24RH3-A	10 - 24	2.37	.47	.92	.194	3	H3
T662NF#10-32RH2-A *	T662NF#10-32RH2-A	10 - 32	2.37	.47	.91	.194	3	H2
T662NF#10-32RH3-A *	T662NF#10-32RH3-A	10 - 32	2.37	.47	.91	.194	3	H3
T662NC02500-20RH3-A	T662NC02500-20RH3-A	1/4 - 20	2.50	.44	1.01	.255	3	H3
T662NC02500-20RH5-A	T662NC02500-20RH5-A	1/4 - 20	2.50	.44	1.00	.255	3	H5
T662NF02500-28RH3-A	T662NF02500-28RH3-A	1/4 - 28	2.50	.44	1.01	.255	3	H3
T662NF02500-28RH4-A *	T662NF02500-28RH4-A	1/4 - 28	2.50	.44	1.01	.255	3	H4
T662NF02500-28RH5-A	T662NF02500-28RH5-A	1/4 - 28	2.50	.44	1.01	.255	3	H5
T662NC03125-18RH3-A	T662NC03125-18RH3-A	5/16 - 18	2.72	.49	1.13	.318	3	H3
T662NC03125-18RH5-A	T662NC03125-18RH5-A *	5/16 - 18	2.72	.49	1.13	.318	3	H5
T662NF03125-24RH3-A	T662NF03125-24RH3-A *	5/16 - 24	2.72	.49	1.13	.318	3	H3
T662NF03125-24RH4-A	T662NF03125-24RH4-A	5/16 - 24	2.72	.49	1.13	.318	3	H4
T662NC03750-16RH3-A	T662NC03750-16RH3-A	3/8 - 16	2.93	.59	1.26	.381	3	H3
T662NC03750-16RH5-A *	T662NC03750-16RH5-A	3/8 - 16	2.93	.59	1.26	.381	3	H5
T662NF03750-24RH3-A *	T662NF03750-24RH3-A *	3/8 - 24	2.93	.59	1.26	.381	3	H3
T662NF03750-24RH4-A	T662NF03750-24RH4-A	3/8 - 24	2.93	.59	1.26	.381	3	H4
T662NC04375-14RH3-A	T662NC04375-14RH3-A	7/16 - 14	3.16	.71	1.49	.323	3	H3
T662NC04375-14RH5-A	T662NC04375-14RH5-A	7/16 - 14	3.16	.71	1.49	.323	3	H5
T662NF04375-20RH3-A	T662NF04375-20RH3-A *	7/16 - 20	3.16	.71	1.49	.323	3	H3
T662NF04375-20RH5-A	T662NF04375-20RH5-A	7/16 - 20	3.16	.71	1.49	.323	3	H5

(continued)

(T662 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • ANSI • For Titanium and Titanium Alloys — continued)





● first choice
○ alternate choice

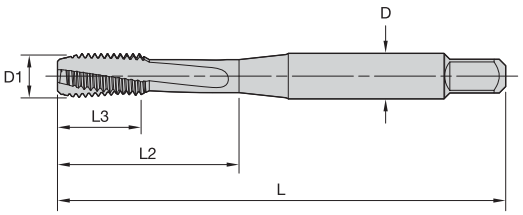
KSSM24	KSS20	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T662NC05000-13RH3-A	T662NC05000-13RH3-A *	1/2 - 13	3.38	.77	1.74	.367	3	H3
T662NC05000-13RH5-A	T662NC05000-13RH5-A	1/2 - 13	3.38	.77	1.74	.367	3	H5
T662NF05000-20RH3-A	T662NF05000-20RH3-A	1/2 - 20	3.38	.77	1.74	.367	3	H3
T662NF05000-20RH5-A	T662NF05000-20RH5-A	1/2 - 20	3.38	.77	1.74	.367	3	H5
T662NF05625-18RH3-A	—	9/16 - 18	3.59	.83	1.74	.429	4	H3
T662NF05625-18RH5-A	—	9/16 - 18	3.59	.83	1.74	.429	4	H5
T662NC06250-11RH3-A	—	5/8 - 11	3.81	.91	1.89	.480	4	H3
T662NF06250-18RH3-A	—	5/8 - 18	3.81	.91	1.89	.480	4	H3
T662NF06250-18RH5-A	—	5/8 - 18	3.81	.91	1.89	.480	4	H5
T662NC07500-10RH5-A	—	3/4 - 10	4.25	1.00	2.08	.590	4	H5
T662NF07500-16RH3-A	—	3/4 - 16	4.25	1.00	2.08	.590	4	H3
T662NF07500-16RH5-A	—	3/4 - 16	4.25	1.00	2.08	.590	4	H5
T662NC10000-08RH5-A	—	1 - 8	5.12	1.25	2.58	.800	4	H5

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

Shank Tolerance

D	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

- KSS20 nitride for titanium and titanium alloys.
- KSSM24 TiN + CrC/C for titanium and titanium alloys.



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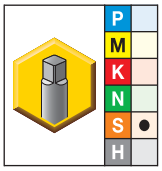
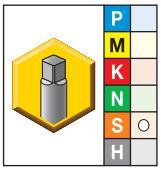




● first choice
○ alternate choice

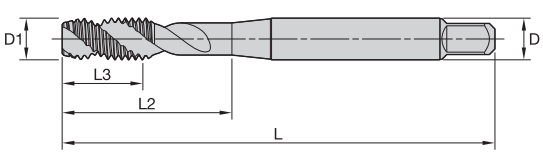
KSSM24	KSS20	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T662M025X045RD3-A	**T662M025X045RD3-A ***	M2,5 X 0,45	1.81	.50	.56	.141	3	D3
T662M030X050RD3-A	**T662M030X050RD3-A**	M3 X 0,5	1.94	.63	.75	.141	3	D3
T662M040X070RD4-A	**T662M040X070RD4-A**	M4 X 0,7	2.12	.32	.76	.168	3	D4
T662M050X080RD4-A	**T662M050X080RD4-A**	M5 X 0,8	2.37	.46	.91	.194	3	D4
T662M060X100RD5-A	**T662M060X100RD5-A**	M6 X 1	2.50	.46	1.00	.255	3	D5
T662M070X100RD5-A	**T662M070X100RD5-A**	M7 X 1	2.72	.52	1.15	.318	3	D5
T662M080X125RD5-A	**T662M080X125RD5-A ***	M8 X 1,25	2.70	.48	1.12	.318	3	D5
T662MF100X125RD5-A *	**T662MF100X125RD5-A ***	M10 X 1,25	2.93	.53	1.26	.381	3	D5
T662M100X150RD6-A *	**T662M100X150RD6-A**	M10 X 1,5	2.93	.53	1.26	.381	3	D6
T662M120X175RD6-A	**T662M120X175RD6-A**	M12 X 1,75	3.38	.77	1.74	.367	3	D6

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

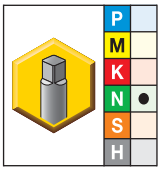
Shank Tolerance

D	tolerance h6
.250–.375	+0, -.0004
.438–.625	+0, -.0004

• KSMN34 TiN + CrC/C for aluminum.



T682 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • DIN Length ANSI Shank • For Wrought Aluminum



● first choice
○ alternate choice

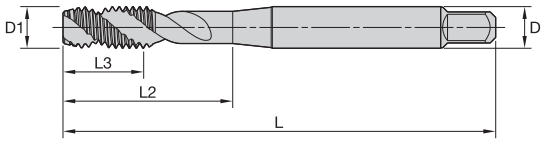
KSMN34	D1 size	L	L3	L2	D	number of flutes	class of fit
T682NC#02-56R2B-DA	2 - 56	1.77	.31	.71	.141	2	2B
T682NC#04-40R3B-DA	4 - 40	2.20	.31	.71	.141	2	3B
T682NC#05-40R3B-DA	5 - 40	2.20	.31	.71	.141	2	3B
T682NC#06-32R2B-DA	6 - 32	2.20	.35	.79	.141	2	2B
T682NC#08-32R2B-DA	8 - 32	2.48	.43	.83	.168	2	2B
T682NC#10-24R2B-DA	10 - 24	2.76	.47	.98	.194	2	2B
T682NF#10-32R2B-DA	10 - 32	2.76	.47	.98	.194	2	2B
T682NC02500-20R2B-DA	1/4 - 20	3.15	.59	1.18	.255	2	2B
T682NC02500-20R3B-DA	1/4 - 20	3.15	.59	1.18	.255	2	3B
T682NF02500-28R2B-DA	1/4 - 28	3.15	.59	1.18	.255	2	2B
T682NF02500-28R3B-DA	1/4 - 28	3.15	.59	1.18	.255	2	3B
T682NC03125-18R2B-DA	5/16 - 18	3.54	.59	1.38	.318	2	2B
T682NC03125-18R3B-DA	5/16 - 18	3.54	.59	1.38	.318	2	3B
T682NF03125-24R2B-DA	5/16 - 24	3.54	.59	1.38	.318	2	2B
T682NF03125-24R3B-DA	5/16 - 24	3.54	.59	1.38	.318	2	3B
T682NC03750-16R2B-DA	3/8 - 16	3.94	.75	1.54	.381	2	2B
T682NC03750-16R3B-DA	3/8 - 16	3.94	.75	1.54	.381	2	3B
T682NF03750-24R2B-DA *	3/8 - 24	3.94	.75	1.54	.381	2	2B
T682NF03750-24R3B-DA	3/8 - 24	3.94	.75	1.54	.381	2	3B
T682NC04375-14R2B-DA	7/16 - 14	3.94	.71	1.61	.323	3	2B
T682NC04375-14R3B-DA	7/16 - 14	3.94	.71	1.61	.323	3	3B
T682NF04375-20R2B-DA	7/16 - 20	3.94	.71	1.61	.323	3	2B
T682NF04375-20R3B-DA	7/16 - 20	3.94	.71	1.61	.323	3	3B
T682NC05000-13R2B-DA	1/2 - 13	4.33	.91	1.85	.367	3	2B
T682NC05000-13R3B-DA	1/2 - 13	4.33	.91	1.85	.367	3	3B
T682NF05000-20R2B-DA	1/2 - 20	4.33	.91	1.85	.367	3	2B
T682NF05000-20R3B-DA	1/2 - 20	4.33	.91	1.85	.367	3	3B

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

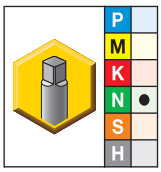
Shank Tolerance

D inch	tolerance h9
.141–.635	+0, -.0015
<.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

- KSMN34 TiN + CrC/C for aluminum.



T682 • Form C Semi-Bottoming • Metric • DIN Length ANSI Shank • For Wrought Aluminum



● first choice
○ alternate choice

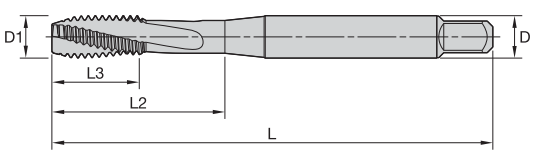
KSMN34	D1 size	L	L3	L2	D	number of flutes	class of fit
T682M030X050R6H-DA	M3 X 0,5	2.20	.31	.71	.141	2	6H
T682M035X060R6H-DA	M3,5 X 0,6	2.20	.35	.79	.141	2	6H
T682M040X070R6H-DA	M4 X 0,7	2.48	.43	.83	.168	2	6H
T682M050X080R6H-DA	M5 X 0,8	2.76	.47	.98	.194	2	6H
T682M060X100R6H-DA	M6 X 1	3.15	.47	1.18	.255	2	6H
T682M070X100R6H-DA *	M7 X 1	3.54	.59	1.38	.318	2	6H
T682MF080X100R6H-DA	M8 X 1	3.54	.59	1.38	.318	2	6H
T682M080X125R6H-DA	M8 X 1,25	3.54	.59	1.38	.318	2	6H
T682MF100X125R6H-DA	M10 X 1,25	3.94	.71	1.54	.381	2	6H
T682M100X150R6H-DA	M10 X 1,5	3.94	.71	1.54	.381	2	6H
T682MF120X125R6H-DA	M12 X 1,25	4.33	.83	1.73	.367	3	6H
T682MF120X150R6H-DA	M12 X 1,5	4.33	.83	1.73	.367	3	6H
T682M120X175R6H-DA	M12 X 1,75	4.33	.83	1.73	.367	3	6H

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

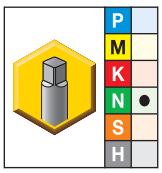
Shank Tolerance

D inch	tolerance h9
.141–.635	+0, -.0015
<.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

• KSMN34 TiN + CrC/C for aluminum.



T686 • Machine Screw and Fractional • Form C Semi-Bottoming Chamfer • DIN Length ANSI Shank • For Cast Aluminum



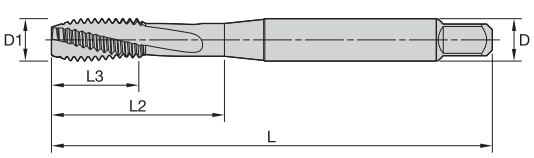
● first choice
○ alternate choice

KSMN34	D1 size	L	L3	L2	D	number of flutes	class of fit
T686NC#02-56R2B-DA	2 - 56	1.77	.31	.71	.141	3	2B
T686NC#04-40R3B-DA	4 - 40	2.20	.31	.71	.141	3	3B
T686NC#06-32R2B-DA	6 - 32	2.20	.35	.79	.141	3	2B
T686NC#08-32R2B-DA	8 - 32	2.48	.43	.83	.168	3	2B
T686NC#10-24R2B-DA	10 - 24	2.76	.47	.98	.194	3	2B
T686NF#10-32R2B-DA	10 - 32	2.76	.47	.98	.194	3	2B
T686NC02500-20R3B-DA	1/4 - 20	3.15	.59	1.18	.255	3	3B
T686NF02500-28R3B-DA	1/4 - 28	3.15	.59	1.18	.255	3	3B
T686NC03125-18R3B-DA	5/16 - 18	3.54	.59	1.38	.318	3	3B
T686NF03125-24R3B-DA	5/16 - 24	3.54	.59	1.38	.318	3	3B
T686NC03750-16R3B-DA	3/8 - 16	3.94	.75	1.54	.381	3	3B
T686NF03750-24R3B-DA	3/8 - 24	3.94	.75	1.54	.381	3	3B
T686NC04375-14R3B-DA	7/16 - 14	3.94	.71	1.61	.323	3	3B
T686NF04375-20R3B-DA	7/16 - 20	3.94	.71	1.61	.323	3	3B
T686NC05000-13R3B-DA	1/2 - 13	4.33	.91	1.85	.367	3	3B
T686NF05000-20R3B-DA	1/2 - 20	4.33	.91	1.85	.367	3	3B

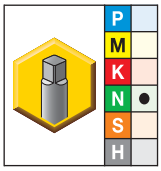
Shank Tolerance

D inch	tolerance h9
.141–.635	+0, -.0015
<.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

• KSMN34 TiN + CrC/C for aluminum.



T686 • Form C Semi-Bottoming Chamfer • Metric • DIN Length ANSI Shank • For Cast Aluminum



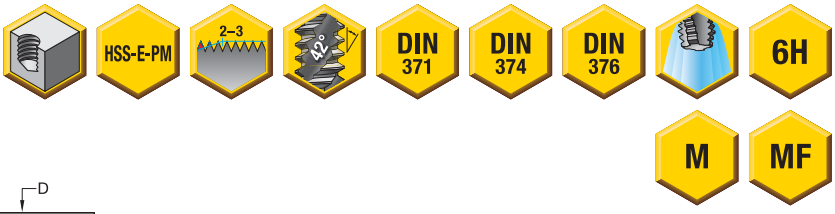
● first choice
○ alternate choice

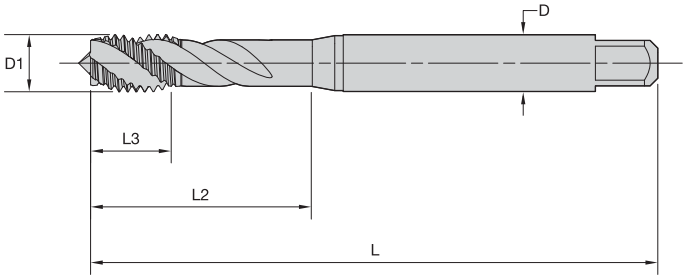
KSMN34	D1 size	L	L3	L2	D	number of flutes	class of fit
T686M030X050R6H-DA	M3 X 0,5	2.20	.31	.71	.141	3	6H
T686M040X070R6H-DA	M4 X 0,7	2.48	.43	.83	.168	3	6H
T686M050X080R6H-DA	M5 X 0,8	2.76	.47	.98	.194	3	6H
T686M060X100R6H-DA	M6 X 1	3.15	.47	1.18	.255	3	6H
T686M080X125R6H-DA	M8 X 1,25	3.54	.59	1.38	.318	3	6H
T686M100X150R6H-DA	M10 X 1,5	3.94	.71	1.54	.381	3	6H
T686MF120X150R6H-DA	M12 X 1,5	4.33	.83	1.73	.367	3	6H

Shank Tolerance

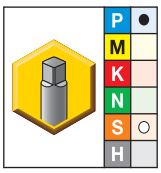
D inch	tolerance h9
.141–.635	+0, -.0015
<.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

- KSH26 TiAlN/MoS_2 for tapping steel 32–44 HRC (3 x D).





T604 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • Metric • For Hard Steel



● first choice
○ alternate choice

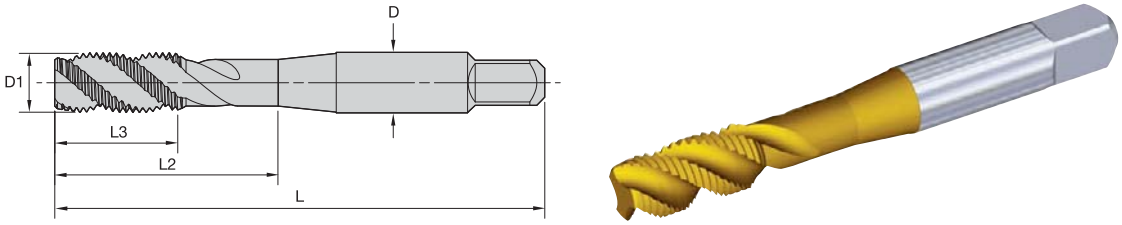
KSH26	D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T604M030X050R6H-D1	M3 X 0,5	56	6	18	3,5	3	DIN 371	6H
T604M040X070R6H-D1	M4 X 0,7	63	7	21	4,5	3	DIN 371	6H
T604M050X080R6H-D1	M5 X 0,8	70	8	25	6,0	3	DIN 371	6H
T604M060X100R6H-D1	M6 X 1	80	10	30	6,0	3	DIN 371	6H
T604MF080X100R6H-D4	M8 X 1	90	10	–	6,0	3	DIN 374	6H
T604M080X125R6H-D1	M8 X 1,25	90	14	35	8,0	3	DIN 371	6H
T604MF100X100R6H-D4	M10 X 1	90	10	–	7,0	3	DIN 374	6H
T604MF100X125R6H-D4	M10 X 1,25	100	16	–	7,0	3	DIN 374	6H
T604M100X150R6H-D1	M10 X 1,5	100	16	39	10,0	3	DIN 371	6H
T604MF120X125R6H-D4	M12 X 1,25	100	15	–	9,0	4	DIN 374	6H
T604MF120X150R6H-D4	M12 X 1,5	100	15	–	9,0	4	DIN 374	6H
T604M120X175R6H-D6	M12 X 1,75	110	18	–	9,0	4	DIN 376	6H
T604MF140X150R6H-D4	M14 X 1,5	100	15	–	11,0	4	DIN 374	6H
T604M140X200R6H-D6	M14 X 2	110	20	–	11,0	4	DIN 376	6H
T604MF160X150R6H-D4 *	M16 X 1,5	100	15	–	12,0	4	DIN 374	6H
T604M160X200R6H-D6	M16 X 2	110	22	–	12,0	4	DIN 376	6H
T604M180X250R6H-D6	M18 X 2,5	125	25	–	14,0	4	DIN 376	6H
T604M200X250R6H-D6	M20 X 2,5	140	25	–	16,0	4	DIN 376	6H

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

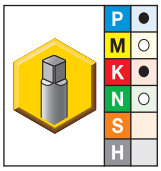
Shank Tolerance

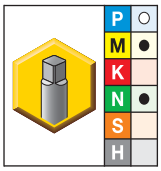
D	tolerance h9
1–3	+0, -0,025
3,5–6	+0, -0,030
7–10	+0, -0,036
11–18	+0, -0,043

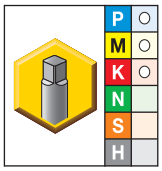
- KSP32 TiCN/TiN
- KSMN34 TiN + CrC/C
- KSP39 oxide



T830 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI • Rigid and Synchronous Holders





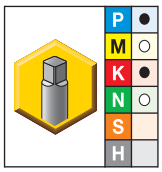


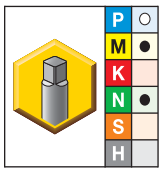
● first choice
○ alternate choice

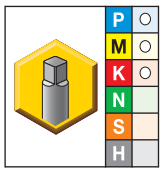
KSP32	KSMN34	KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
–	–	T830NC#02-56RH2-A	2 - 56	1.76	.40	.50	.141	2	H2
–	–	T830NC#03-48RH2-A	3 - 48	1.82	.46	.57	.141	2	H2
T830NC#04-40RH2-A	T830NC#04-40RH2-A	T830NC#04-40RH2-A	4 - 40	1.88	.52	.70	.141	2	H2
–	–	T830NC#04-40RH3-A	4 - 40	1.88	.52	.70	.141	2	H3
–	–	T830NC#04-40RH4-A	4 - 40	1.88	.52	.70	.141	2	H4
–	–	T830NC#04-40RH5-A	4 - 40	1.88	.52	.70	.141	2	H5
–	–	T830NF#04-48RH2-A	4 - 48	1.88	.53	.70	.141	2	H2
–	–	T830NC#05-40RH2-A	5 - 40	1.95	.59	.76	.141	2	H2
–	–	T834NC#05-40RH2-A *	5 - 40	1.95	.58	.76	.141	3	H2
–	–	T830NC#06-32RH2-A	6 - 32	2.00	.39	.72	.141	2	H2
T830NC#06-32RH3-A	T830NC#06-32RH3-A	T830NC#06-32RH3-A	6 - 32	2.00	.39	.72	.141	2	H3
–	–	T830NC#06-32RH4-A *	6 - 32	2.00	.39	.72	.141	2	H4
–	–	T830NC#06-32RH5-A	6 - 32	2.00	.39	.72	.141	2	H5
–	–	T830NC#06-32RH7-A	6 - 32	2.00	.39	.72	.141	2	H7
–	–	T834NC#06-32RH2-A	6 - 32	2.00	.38	.72	.141	3	H2
T834NC#06-32RH3-A	T834NC#06-32RH3-A	T834NC#06-32RH3-A	6 - 32	2.00	.38	.72	.141	3	H3
–	–	T834NC#06-32RH4-A	6 - 32	2.00	.38	.72	.141	3	H4
–	–	T834NC#06-32RH5-A	6 - 32	2.00	.38	.72	.141	3	H5
–	–	T834NC#06-32RH7-A	6 - 32	2.00	.38	.72	.141	3	H7
–	–	T830NF#06-40RH2-A	6 - 40	2.00	.39	.72	.140	2	H2
–	–	T830NF#06-40RH3-A	6 - 40	2.00	.39	.72	.141	2	H3
–	–	T834NF#06-40RH2-A	6 - 40	2.00	.38	.72	.141	3	H2
–	–	T834NF#06-40RH3-A	6 - 40	2.00	.38	.72	.141	3	H3
–	–	T830NC#08-32RH2-A	8 - 32	2.13	.38	.77	.168	3	H2
T830NC#08-32RH3-A	T830NC#08-32RH3-A	T830NC#08-32RH3-A	8 - 32	2.13	.38	.77	.168	3	H3
–	–	T830NC#08-32RH4-A	8 - 32	2.13	.38	.77	.168	3	H4
–	–	T830NC#08-32RH5-A	8 - 32	2.13	.38	.77	.168	3	H5
–	–	T830NC#08-32RH6-A	8 - 32	2.13	.38	.77	.168	3	H6
–	–	T830NC#08-32RH7-A	8 - 32	2.13	.38	.77	.168	3	H7
–	–	T830NC#10-24RH2-A	10 - 24	2.38	.50	.92	.194	3	H2
T830NC#10-24RH3-A	T830NC#10-24RH3-A	T830NC#10-24RH3-A	10 - 24	2.38	.50	.92	.194	3	H3
–	–	T830NC#10-24RH4-A *	10 - 24	2.38	.50	.92	.194	3	H4

(continued)

(T830 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI • Rigid and Synchronous Holders — continued)





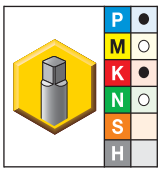


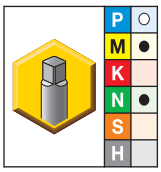
● first choice
○ alternate choice

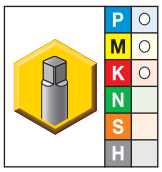
KSP32	KSMN34	KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
–	–	T830NC#10-24RH5-A	10 - 24	2.38	.50	.92	.194	3	H5
–	–	T830NC#10-24RH7-A	10 - 24	2.38	.50	.92	.194	3	H7
–	–	T830NF#10-32RH2-A	10 - 32	2.38	.50	.92	.194	3	H2
T830NF#10-32RH3-A	T830NF#10-32RH3-A	T830NF#10-32RH3-A	10 - 32	2.38	.50	.92	.194	3	H3
–	–	T830NF#10-32RH4-A	10 - 32	2.38	.50	.92	.194	3	H4
–	–	T830NF#10-32RH5-A	10 - 32	2.37	.50	.91	.194	3	H5
–	–	T830NF#10-32RH6-A	10 - 32	2.38	.50	.92	.194	3	H6
–	–	T830NF#10-32RH7-A	10 - 32	2.38	.50	.92	.193	3	H7
–	–	T830NC#12-24RH3-A	12 - 24	2.43	.50	.96	.219	3	H3
–	–	T830NF#12-28RH3-A	12 - 28	2.43	.50	.96	.219	3	H3
–	–	T830NC02500-20RH2-A	1/4 - 20	2.50	.63	1.00	.255	3	H2
T830NC02500-20RH3-A	T830NC02500-20RH3-A	T830NC02500-20RH3-A	1/4 - 20	2.50	.63	1.00	.255	3	H3
–	–	T830NC02500-20RH5-A	1/4 - 20	2.50	.63	1.00	.255	3	H5
–	–	T830NC02500-20RH7-A	1/4 - 20	2.50	.63	1.00	.255	3	H7
–	–	T830NF02500-28RH2-A	1/4 - 28	2.50	.63	1.00	.255	3	H2
T830NF02500-28RH3-A	T830NF02500-28RH3-A	T830NF02500-28RH3-A	1/4 - 28	2.49	.62	1.00	.255	3	H3
–	–	T830NF02500-28RH4-A	1/4 - 28	2.49	.62	1.00	.255	3	H4
–	–	T830NF02500-28RH5-A	1/4 - 28	2.49	.62	1.00	.255	3	H5
–	–	T830NF02500-28RH6-A *	1/4 - 28	2.49	.62	1.00	.255	3	H6
–	–	T830NF02500-28RH7-A	1/4 - 28	2.49	.62	1.00	.255	3	H7
T830NC03125-18RH3-A	T830NC03125-18RH3-A	T830NC03125-18RH3-A	5/16 - 18	2.72	.69	1.13	.318	3	H3
–	–	T830NC03125-18RH5-A	5/16 - 18	2.72	.69	1.13	.318	3	H5
–	–	T830NC03125-18RH7-A	5/16 - 18	2.72	.69	1.13	.318	3	H7
T830NF03125-24RH3-A	T830NF03125-24RH3-A	T830NF03125-24RH3-A	5/16 - 24	2.71	.68	1.13	.318	3	H3
–	–	T830NF03125-24RH5-A	5/16 - 24	2.71	.68	1.12	.318	3	H5
–	–	T830NF03125-24RH7-A	5/16 - 24	2.71	.68	1.12	.318	3	H7
T830NC03750-16RH3-A	T830NC03750-16RH3-A	T830NC03750-16RH3-A	3/8 - 16	2.94	.75	1.27	.381	3	H3
–	–	T830NC03750-16RH5-A	3/8 - 16	2.94	.75	1.27	.381	3	H5
–	–	T830NC03750-16RH7-A	3/8 - 16	2.94	.75	1.27	.381	3	H7
T830NF03750-24RH3-A	T830NF03750-24RH3-A	T830NF03750-24RH3-A	3/8 - 24	2.92	.74	1.25	.381	3	H3
–	–	T830NF03750-24RH4-A	3/8 - 24	2.92	.74	1.25	.381	3	H4
–	–	T830NF03750-24RH5-A	3/8 - 24	2.92	.74	1.25	.381	3	H5
–	–	T830NF03750-24RH6-A	3/8 - 24	2.92	.74	1.25	.381	3	H6
T830NC04375-14RH3-A	T830NC04375-14RH3-A	T830NC04375-14RH3-A	7/16 - 14	3.16	.88	1.49	.323	3	H3
–	–	T830NC04375-14RH5-A	7/16 - 14	3.16	.88	1.49	.323	3	H5
–	–	T830NC04375-14RH7-A	7/16 - 14	3.16	.88	1.49	.323	3	H7
T830NF04375-20RH3-A	T830NF04375-20RH3-A	T830NF04375-20RH3-A	7/16 - 20	3.16	.88	1.49	.323	3	H3
–	–	T830NF04375-20RH5-A *	7/16 - 20	3.16	.88	1.49	.323	3	H5
–	–	T830NF04375-20RH6-A *	7/16 - 20	3.16	.88	1.49	.323	3	H6
–	–	T830NF04375-20RH7-A	7/16 - 20	3.16	.88	1.49	.323	3	H7
T830NC05000-13RH3-A	T830NC05000-13RH3-A	T830NC05000-13RH3-A	1/2 - 13	3.38	.94	1.74	.367	3	H3
–	–	T830NC05000-13RH5-A	1/2 - 13	3.38	.94	1.74	.367	3	H5
–	–	T830NC05000-13RH7-A	1/2 - 13	3.38	.94	1.74	.367	3	H7
T830NF05000-20RH3-A	T830NF05000-20RH3-A	T830NF05000-20RH3-A	1/2 - 20	3.38	.94	1.74	.367	3	H3
–	–	T830NF05000-20RH5-A	1/2 - 20	3.38	.94	1.74	.367	3	H5
–	–	T830NF05000-20RH6-A	1/2 - 20	3.38	.94	1.74	.367	3	H6
–	–	T830NF05000-20RH7-A	1/2 - 20	3.38	.94	1.74	.367	3	H7
T830NC05625-12RH3-A	T830NC05625-12RH3-A	T830NC05625-12RH3-A	9/16 - 12	3.59	1.00	1.74	.429	3	H3

(continued)

(T830 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI • Rigid and Synchronous Holders — continued)







● first choice
○ alternate choice

KSP32	KSMN34	KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
—	—	T830NC05625-12RH5-A *	9/16 - 12	3.59	1.00	1.74	.429	3	H5
—	T830NF05625-18RH3-A	T830NF05625-18RH3-A	9/16 - 18	3.59	1.00	1.74	.429	3	H3
—	—	T830NF05625-18RH5-A	9/16 - 18	3.59	1.00	1.74	.429	3	H5
T830NC06250-11RH3-A	T830NC06250-11RH3-A	T830NC06250-11RH3-A	5/8 - 11	3.81	1.09	1.89	.480	3	H3
—	—	T830NC06250-11RH5-A	5/8 - 11	3.81	1.09	1.89	.480	3	H5
—	—	T830NC06250-11RH7-A	5/8 - 11	3.81	1.09	1.89	.480	3	H7
T830NF06250-18RH3-A	T830NF06250-18RH3-A	T830NF06250-18RH3-A	5/8 - 18	3.81	1.09	1.89	.480	3	H3
—	—	T830NF06250-18RH5-A *	5/8 - 18	3.81	1.09	1.89	.480	3	H5
—	—	T830NF06250-18RH6-A	5/8 - 18	3.81	1.09	1.89	.480	3	H6
—	—	T830NF06250-18RH7-A	5/8 - 18	3.81	1.09	1.89	.480	3	H7
T830NC07500-10RH3-A	T830NC07500-10RH3-A	T830NC07500-10RH3-A	3/4 - 10	4.25	1.22	2.08	.590	4	H3
—	—	T830NC07500-10RH5-A	3/4 - 10	4.25	1.22	2.08	.590	4	H5
T830NF07500-16RH3-A	T830NF07500-16RH3-A	T830NF07500-16RH3-A	3/4 - 16	4.25	1.22	2.08	.590	4	H3
—	—	T830NF07500-16RH5-A	3/4 - 16	4.25	1.22	2.08	.590	4	H5
—	T830NC08750-9RH4-A	T830NC08750-9RH4-A	7/8 - 9	4.69	1.34	2.30	.697	4	H4
—	T830NF08750-14RH4-A	T830NF08750-14RH4-A	7/8 - 14	4.69	1.34	2.30	.697	4	H4
—	T830NC10000-8RH4-A	—	1 - 8	5.13	1.50	2.58	.800	4	H4
T830NC10000-8RH5-A	—	T830NC10000-8RH5-A	1 - 8	5.13	1.50	2.58	.800	4	H5
—	—	T830NF1000-12RH4-A	1 - 12	5.13	1.50	2.58	.800	4	H4
—	—	T830NC11250-7RH6-A	1 1/8 - 7	5.44	1.71	2.56	.896	4	H6

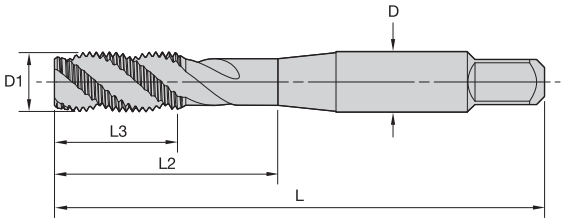
NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

NOTE: Suggested for use in rigid and synchronous holders.

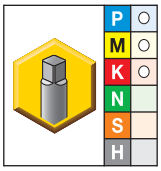
Shank Tolerance

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

• KSP39 oxide



T832 • Form E Bottoming Chamfer • Machine Screw and Fractional • ANSI • Rigid and Synchronous Holders

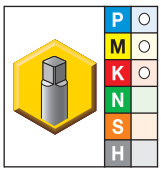


● first choice
○ alternate choice

KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T832NC#04-40RH2-A	4 - 40	1.88	.51	.69	.141	2	H2
T832NC#04-40RH3-A	4 - 40	1.88	.51	.69	.141	2	H3
T832NC#04-40RH5-A	4 - 40	1.88	.51	.69	.141	2	H5
T832NC#05-40RH2-A	5 - 40	1.94	.58	.75	.141	2	H2
T832NC#06-32RH2-A	6 - 32	1.99	.38	.71	.141	2	H2
T832NC#06-32RH3-A	6 - 32	1.99	.38	.71	.141	2	H3
T832NC#06-32RH5-A	6 - 32	1.99	.38	.71	.141	2	H5
T832NF#06-40RH2-A	6 - 40	1.99	.37	.71	.141	2	H2
T832NF#06-40RH3-A	6 - 40	1.99	.37	.71	.141	2	H3
T832NC#08-32RH2-A	8 - 32	2.12	.38	.76	.168	3	H2
T832NC#08-32RH3-A	8 - 32	2.12	.38	.76	.168	3	H3
T832NC#08-32RH5-A	8 - 32	2.12	.38	.76	.168	3	H5
T832NC#10-24RH3-A	10 - 24	2.37	.50	.91	.194	3	H3
T832NC#10-24RH5-A	10 - 24	2.37	.50	.91	.194	3	H5
T832NF#10-32RH3-A	10 - 32	2.36	.49	.91	.194	3	H3
T832NF#10-32RH5-A	10 - 32	2.36	.49	.91	.194	3	H5
T832NC02500-20RH3-A	1/4 - 20	2.50	.63	1.00	.255	3	H3
T832NC02500-20RH5-A	1/4 - 20	2.50	.63	1.00	.255	3	H5
T832NF02500-28RH3-A	1/4 - 28	2.49	.62	1.00	.255	3	H3
T832NF02500-28RH5-A	1/4 - 28	2.49	.62	1.00	.255	3	H5
T832NC03125-18RH3-A	5/16 - 18	2.72	.69	1.13	.318	3	H3
T832NC03125-18RH5-A	5/16 - 18	2.72	.69	1.13	.318	3	H5
T832NF03125-24RH3-A	5/16 - 24	2.71	.68	1.13	.318	3	H3
T832NF03125-24RH5-A	5/16 - 24	2.71	.68	1.13	.318	3	H5
T832NC03750-16RH3-A	3/8 - 16	2.94	.75	1.27	.381	3	H3
T832NC03750-16RH5-A	3/8 - 16	2.94	.75	1.27	.381	3	H5
T832NF03750-24RH3-A	3/8 - 24	2.92	.74	1.25	.381	3	H3
T832NF03750-24RH4-A	3/8 - 24	2.92	.74	1.25	.381	3	H4

(continued)

(T832 • Form E Bottoming Chamfer • Machine Screw and Fractional • ANSI • Rigid and Synchronous Holders — continued)



● first choice
○ alternate choice

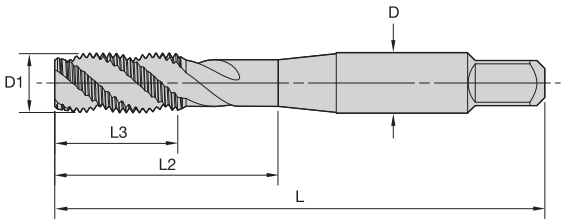
KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T832NF03750-24RH5-A	3/8 - 24	2.92	.74	1.25	.381	3	H5
T832NC04375-14RH3-A	7/16 - 14	3.16	.88	1.49	.323	3	H3
T832NC04375-14RH5-A	7/16 - 14	3.16	.88	1.49	.323	3	H5
T832NF04375-20RH3-A	7/16 - 20	3.16	.88	1.49	.323	3	H3
T832NF04375-20RH5-A	7/16 - 20	3.16	.88	1.49	.323	3	H5
T832NC05000-13RH3-A	1/2 - 13	3.38	.94	1.74	.367	3	H3
T832NC05000-13RH5-A	1/2 - 13	3.38	.94	1.74	.367	3	H5
T832NF05000-20RH3-A	1/2 - 20	3.38	.94	1.74	.367	3	H3
T832NC05625-12RH3-A	9/16 - 12	3.59	1.00	1.74	.429	3	H3
T832NC05625-12RH5-A	9/16 - 12	3.59	1.00	1.74	.429	3	H5
T832NF05625-18RH3-A	9/16 - 18	3.59	1.00	1.74	.429	3	H3
T832NC06250-11RH3-A	5/8 - 11	3.81	1.09	1.89	.480	3	H3
T832NC06250-11RH5-A	5/8 - 11	3.81	1.09	1.89	.480	3	H5
T832NF06250-18RH3-A	5/8 - 18	3.81	1.09	1.89	.480	3	H3
T832NF06250-18RH5-A	5/8 - 18	3.81	1.09	1.89	.480	3	H5
T832NC07500-10RH3-A	3/4 - 10	4.25	1.22	2.08	.590	4	H3
T832NF07500-16RH3-A	3/4 - 16	4.25	1.22	2.08	.590	4	H3

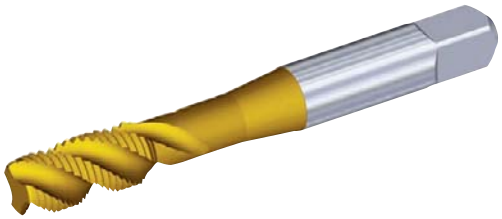
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

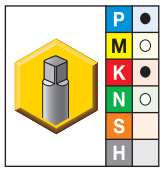
D inch	tolerance
.141–.635	+0, -.0015
>.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

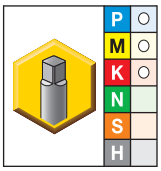
- KSP32 TiCN/TiN
- KSP39 oxide





T838 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI • Tension/Compression Holders



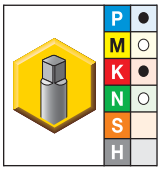


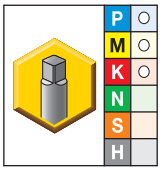
● first choice
○ alternate choice

KSP32	KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
–	T838NC#02-56RH2-A	2 - 56	1.76	.39	.50	.141	2	H2
–	T838NC#03-48RH2-A	3 - 48	1.82	.46	.57	.141	2	H2
T838NC#04-40RH2-A	T838NC#04-40RH2-A	4 - 40	1.88	.52	.70	.141	2	H2
–	T838NC#04-40RH3-A	4 - 40	1.88	.52	.70	.141	2	H3
–	T838NC#04-40RH4-A	4 - 40	1.88	.52	.70	.141	2	H4
–	T838NC#04-40RH5-A	4 - 40	1.88	.52	.70	.141	2	H5
–	T838NF#04-48RH2-A	4 - 48	1.88	.53	.70	.141	2	H2
–	T838NC#05-40RH2-A	5 - 40	1.95	.59	.76	.141	2	H2
–	T838NC#06-32RH2-A	6 - 32	2.00	.39	.72	.141	2	H2
T838NC#06-32RH3-A	T838NC#06-32RH3-A	6 - 32	2.00	.39	.72	.141	2	H3
–	T838NC#06-32RH4-A	6 - 32	2.00	.39	.72	.141	2	H4
–	T838NC#06-32RH5-A	6 - 32	2.00	.39	.72	.141	2	H5
–	T838NC#06-32RH7-A	6 - 32	2.00	.39	.72	.141	2	H7
–	T838NF#06-40RH2-A	6 - 40	2.00	.39	.72	.141	2	H2
–	T838NF#06-40RH3-A	6 - 40	2.00	.39	.72	.141	2	H3
–	T838NC#08-32RH2-A	8 - 32	2.13	.38	.77	.168	3	H2
T838NC#08-32RH3-A	T838NC#08-32RH3-A	8 - 32	2.13	.38	.77	.168	3	H3
–	T838NC#08-32RH4-A	8 - 32	2.13	.38	.77	.168	3	H4
–	T838NC#08-32RH5-A	8 - 32	2.13	.38	.77	.168	3	H5
–	T838NC#08-32RH6-A	8 - 32	2.13	.38	.77	.168	3	H6
–	T838NC#08-32RH7-A	8 - 32	2.13	.38	.77	.168	3	H7
–	T838NC#10-24RH2-A	10 - 24	2.38	.50	.92	.194	3	H2
T838NC#10-24RH3-A	T838NC#10-24RH3-A	10 - 24	2.38	.50	.92	.194	3	H3
–	T838NC#10-24RH4-A	10 - 24	2.38	.50	.92	.194	3	H4
–	T838NC#10-24RH5-A	10 - 24	2.38	.50	.92	.194	3	H5
–	T838NC#10-24RH7-A	10 - 24	2.38	.50	.92	.194	3	H7
–	T838NF#10-32RH2-A	10 - 32	2.38	.50	.92	.194	3	H2
T838NF#10-32RH3-A	T838NF#10-32RH3-A	10 - 32	2.38	.50	.92	.194	3	H3

(continued)

(T838 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI • Tension/Compression Holders — continued)



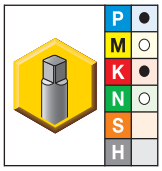


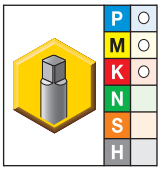
● first choice
○ alternate choice

KSP32	KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
—	T838NF#10-32RH4-A	10 - 32	2.38	.50	.92	.194	3	H4
—	T838NF#10-32RH5-A	10 - 32	2.38	.50	.91	.194	3	H5
—	T838NF#10-32RH6-A	10 - 32	2.38	.50	.92	.194	3	H6
—	T838NF#10-32RH7-A	10 - 32	2.38	.50	.92	.194	3	H7
—	T838NC#12-24RH3-A	12 - 24	2.43	.50	.96	.220	3	H3
—	T838NF#12-28RH3-A	12 - 28	2.43	.50	.96	.220	3	H3
—	T838NC02500-20RH2-A	1/4 - 20	2.50	.63	1.00	.255	3	H2
T838NC02500-20RH3-A	T838NC02500-20RH3-A	1/4 - 20	2.50	.63	1.00	.255	3	H3
—	T838NC02500-20RH5-A	1/4 - 20	2.50	.63	1.00	.255	3	H5
—	T838NC02500-20RH7-A	1/4 - 20	2.50	.63	1.00	.255	3	H7
—	T838NF02500-28RH2-A	1/4 - 28	2.50	.63	1.00	.255	3	H2
T838NF02500-28RH3-A	T838NF02500-28RH3-A	1/4 - 28	2.50	.63	1.00	.255	3	H3
—	T838NF02500-28RH4-A	1/4 - 28	2.50	.63	1.00	.255	3	H4
—	T838NF02500-28RH5-A	1/4 - 28	2.50	.63	1.00	.255	3	H5
—	T838NF02500-28RH6-A	1/4 - 28	2.50	.63	1.00	.255	3	H6
—	T838NF02500-28RH7-A	1/4 - 28	2.50	.63	1.00	.255	3	H7
T838NC03125-18RH3-A	T838NC03125-18RH3-A	5/16 - 18	2.72	.69	1.13	.318	3	H3
—	T838NC03125-18RH5-A	5/16 - 18	2.72	.69	1.13	.318	3	H5
—	T838NC03125-18RH7-A	5/16 - 18	2.72	.69	1.13	.318	3	H7
T838NF03125-24RH3-A	T838NF03125-24RH3-A	5/16 - 24	2.72	.69	1.13	.318	3	H3
—	T838NF03125-24RH5-A	5/16 - 24	2.72	.69	1.12	.318	3	H5
—	T838NF03125-24RH7-A	5/16 - 24	2.72	.69	1.12	.318	3	H7
T838NC03750-16RH3-A	T838NC03750-16RH3-A	3/8 - 16	2.94	.75	1.27	.381	3	H3
—	T838NC03750-16RH5-A	3/8 - 16	2.94	.75	1.27	.381	3	H5
—	T838NC03750-16RH7-A	3/8 - 16	2.94	.75	1.27	.381	3	H7
T838NF03750-24RH3-A	T838NF03750-24RH3-A	3/8 - 24	2.94	.75	1.27	.381	3	H3
—	T838NF03750-24RH4-A	3/8 - 24	2.94	.75	1.27	.381	3	H4
—	T838NF03750-24RH5-A	3/8 - 24	2.94	.75	1.27	.381	3	H5
—	T838NF03750-24RH6-A	3/8 - 24	2.94	.75	1.27	.381	3	H6
T838NC04375-14RH3-A	T838NC04375-14RH3-A	7/16 - 14	3.16	.88	1.49	.323	3	H3
—	T838NC04375-14RH5-A	7/16 - 14	3.16	.88	1.49	.323	3	H5
—	T838NC04375-14RH7-A	7/16 - 14	3.16	.88	1.49	.323	3	H7
T838NF04375-20RH3-A	T838NF04375-20RH3-A	7/16 - 20	3.16	.88	1.49	.323	3	H3
—	T838NF04375-20RH5-A	7/16 - 20	3.16	.88	1.49	.323	3	H5
—	T838NF04375-20RH6-A	7/16 - 20	3.16	.88	1.49	.323	3	H6
—	T838NF04375-20RH7-A	7/16 - 20	3.16	.88	1.49	.323	3	H7
T838NC05000-13RH3-A	T838NC05000-13RH3-A	1/2 - 13	3.38	.94	1.74	.367	3	H3
—	T838NC05000-13RH5-A	1/2 - 13	3.38	.94	1.74	.367	3	H5
—	T838NC05000-13RH7-A	1/2 - 13	3.38	.94	1.74	.367	3	H7
T838NF05000-20RH3-A	T838NF05000-20RH3-A	1/2 - 20	3.38	.94	1.74	.367	3	H3
—	T838NF05000-20RH5-A	1/2 - 20	3.38	.94	1.74	.367	3	H5
—	T838NF05000-20RH6-A	1/2 - 20	3.38	.94	1.74	.367	3	H6
—	T838NF05000-20RH7-A	1/2 - 20	3.38	.94	1.74	.367	3	H7
T838NC05625-12RH3-A	T838NC05625-12RH3-A	9/16 - 12	3.59	1.00	1.74	.429	3	H3
—	T838NC05625-12RH5-A	9/16 - 12	3.59	1.00	1.74	.429	3	H5
—	T838NF05625-18RH3-A	9/16 - 18	3.59	1.00	1.74	.429	3	H3
—	T838NF05625-18RH5-A	9/16 - 18	3.59	1.00	1.74	.429	3	H5
T838NC06250-11RH3-A	T838NC06250-11RH3-A	5/8 - 11	3.81	1.09	1.89	.480	3	H3
—	T838NC06250-11RH5-A	5/8 - 11	3.81	1.09	1.89	.480	3	H5
—	T838NC06250-11RH7-A	5/8 - 11	3.81	1.09	1.89	.480	3	H7
T838NF06250-18RH3-A	T838NF06250-18RH3-A	5/8 - 18	3.81	1.09	1.89	.480	3	H3
—	T838NF06250-18RH5-A	5/8 - 18	3.81	1.09	1.89	.480	3	H5

(continued)

(T838 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • ANSI • Tension/Compression Holders — continued)





● first choice
○ alternate choice

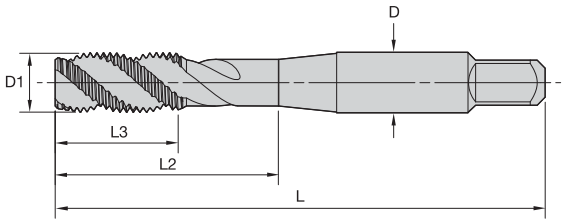
KSP32	KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
—	**T838NF06250-18RH6-A**	5/8 - 18	3.81	1.09	1.89	.480	3	H6
—	**T838NF06250-18RH7-A**	5/8 - 18	3.81	1.09	1.89	.480	3	H7
T838NC07500-10RH3-A	**T838NC07500-10RH3-A**	3/4 - 10	4.25	1.22	2.08	.590	4	H3
—	**T838NC07500-10RH5-A**	3/4 - 10	4.25	1.22	2.08	.590	4	H5
T838NF07500-16RH3-A	**T838NF07500-16RH3-A**	3/4 - 16	4.25	1.22	2.08	.590	4	H3
—	**T838NF07500-16RH5-A**	3/4 - 16	4.25	1.22	2.08	.590	4	H5
—	**T838NC08750-9RH4-A**	7/8 - 9	4.69	1.34	2.30	.697	4	H4
—	**T838NF08750-14RH4-A**	7/8 - 14	4.69	1.34	2.30	.697	4	H4
T838NC10000-8RH5-A	**T838NC10000-8RH5-A**	1 - 8	5.13	1.50	2.58	.800	4	H5
—	**T838NF1000-12RH4-A**	1 - 12	5.12	1.50	2.58	.800	4	H4
—	**T838NC11250-7RH6-A**	1 1/8 - 7	5.44	1.71	2.56	.896	4	H6

NOTE: Suitable for tension/compression holders.

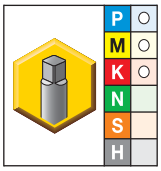
Shank Tolerance

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

• KSP39 oxide



T839 • Form E Bottoming Chamfer • Machine Screw and Fractional • ANSI • Tension/Compression Holders

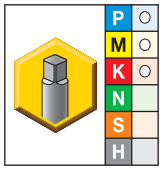


● first choice
○ alternate choice

KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T839NC#04-40RH2-A	4 - 40	1.88	.51	.69	.141	2	H2
T839NC#04-40RH3-A	4 - 40	1.88	.51	.69	.141	2	H3
T839NC#04-40RH5-A	4 - 40	1.88	.51	.69	.141	2	H5
T839NC#05-40RH2-A	5 - 40	1.94	.58	.75	.141	2	H2
T839NC#06-32RH2-A	6 - 32	1.99	.38	.71	.141	2	H2
T839NC#06-32RH3-A	6 - 32	1.99	.38	.71	.141	2	H3
T839NC#06-32RH5-A	6 - 32	1.99	.38	.71	.141	2	H5
T839NF#06-40RH2-A	6 - 40	1.99	.37	.71	.141	2	H2
T839NF#06-40RH3-A	6 - 40	1.99	.37	.71	.141	2	H3
T839NC#08-32RH2-A	8 - 32	2.12	.38	.76	.168	3	H2
T839NC#08-32RH3-A	8 - 32	2.12	.38	.76	.168	3	H3
T839NC#08-32RH5-A	8 - 32	2.12	.38	.76	.168	3	H5
T839NC#10-24RH3-A	10 - 24	2.37	.50	.91	.194	3	H3
T839NC#10-24RH5-A	10 - 24	2.37	.50	.91	.194	3	H5
T839NF#10-32RH3-A	10 - 32	2.36	.49	.91	.194	3	H3
T839NF#10-32RH5-A	10 - 32	2.36	.49	.91	.194	3	H5
T839NC02500-20RH3-A	1/4 - 20	2.50	.63	1.00	.255	3	H3
T839NC02500-20RH5-A	1/4 - 20	2.50	.63	1.00	.255	3	H5
T839NF02500-28RH3-A	1/4 - 28	2.49	.62	1.00	.255	3	H3
T839NF02500-28RH5-A	1/4 - 28	2.49	.62	1.00	.255	3	H5
T839NC03125-18RH3-A	5/16 - 18	2.72	.69	1.13	.318	3	H3
T839NC03125-18RH5-A	5/16 - 18	2.72	.69	1.13	.318	3	H5
T839NF03125-24RH3-A	5/16 - 24	2.71	.68	1.13	.318	3	H3
T839NF03125-24RH5-A	5/16 - 24	2.71	.68	1.12	.318	3	H5
T839NC03750-16RH3-A	3/8 - 16	2.94	.75	1.27	.381	3	H3
T839NC03750-16RH5-A	3/8 - 16	2.94	.75	1.27	.381	3	H5
T839NF03750-24RH3-A	3/8 - 24	2.94	.75	1.27	.381	3	H3
T839NF03750-24RH4-A	3/8 - 24	2.94	.75	1.27	.381	3	H4

(continued)

(T839 • Form E Bottoming Chamfer • Machine Screw and Fractional • ANSI • Tension/Compression Holders — continued)



● first choice
○ alternate choice

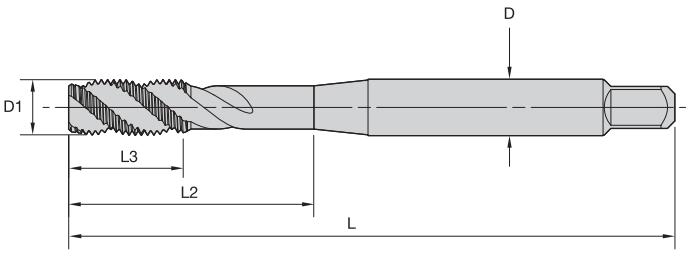
KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T839NF03750-24RH5-A	3/8 - 24	2.94	.75	1.27	.381	3	H5
T839NC04375-14RH3-A	7/16 - 14	3.16	.88	1.49	.323	3	H3
T839NC04375-14RH5-A	7/16 - 14	3.16	.88	1.49	.323	3	H5
T839NF04375-20RH3-A	7/16 - 20	3.16	.88	1.49	.323	3	H3
T839NF04375-20RH5-A	7/16 - 20	3.16	.88	1.49	.323	3	H5
T839NC05000-13RH3-A	1/2 - 13	3.38	.94	1.74	.367	3	H3
T839NC05000-13RH5-A	1/2 - 13	3.38	.94	1.74	.367	3	H5
T839NF05000-20RH3-A	1/2 - 20	3.38	.94	1.74	.367	3	H3
T839NC05625-12RH3-A	9/16 - 12	3.59	1.00	1.74	.429	3	H3
T839NC05625-12RH5-A	9/16 - 12	3.59	1.00	1.74	.429	3	H5
T839NF05625-18RH3-A	9/16 - 18	3.59	1.00	1.74	.429	3	H3
T839NC06250-11RH3-A	5/8 - 11	3.81	1.09	1.89	.480	3	H3
T839NC06250-11RH5-A	5/8 - 11	3.81	1.09	1.89	.480	3	H5
T839NF06250-18RH3-A	5/8 - 18	3.81	1.09	1.89	.480	3	H3
T839NF06250-18RH5-A	5/8 - 18	3.81	1.09	1.89	.480	3	H5
T839NC07500-10RH3-A	3/4 - 10	4.25	1.22	2.08	.590	4	H3
T839NF07500-16RH3-A	3/4 - 16	4.25	1.22	2.08	.590	4	H3

NOTE: Suitable for tension/compression holders.

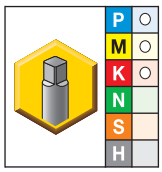
Shank Tolerance

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

• KSP39 oxide



T830 • DIN 371 and 376 • Form C Semi-Bottoming Chamfer • UNC/UNF • Rigid and Synchronous Holders



● first choice
○ alternate choice

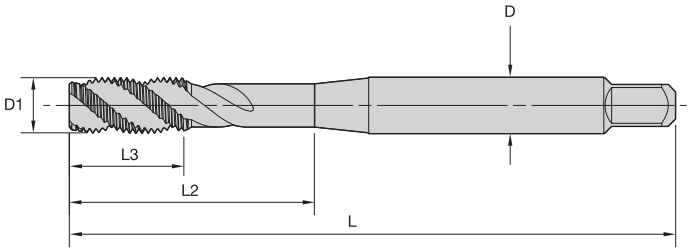
KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T830NC#04-40R2B-D1	4 - 40	56	8	18	3,5	2	DIN 371	2B
T830NC#05-40R2B-D1	5 - 40	56	9	20	4,0	2	DIN 371	2B
T830NC#06-32R2B-D1	6 - 32	56	9	20	4,0	2	DIN 371	2B
T830NF#06-40R2B-D1	6 - 40	56	9	20	4,0	2	DIN 371	2B
T830NC#08-32R2B-D1	8 - 32	63	11	21	4,5	3	DIN 371	2B
T830NC#10-24R2B-D1	10 - 24	70	12	25	6,0	3	DIN 371	2B
T830NF#10-32R2B-D1	10 - 32	70	12	25	6,0	3	DIN 371	2B
T830NC02500-20R2B-D1	1/4 - 20	80	15	30	7,0	3	DIN 371	2B
T830NF02500-28R2B-D1	1/4 - 28	80	15	30	7,0	3	DIN 371	2B
T830NC03125-18R2B-D1	5/16 - 18	90	15	35	8,0	3	DIN 371	2B
T830NF03125-24R2B-D1	5/16 - 24	90	15	35	8,0	3	DIN 371	2B
T830NC03750-16R2B-D1	3/8 - 16	100	19	39	10,0	3	DIN 371	2B
T830NF03750-24R2B-D1	3/8 - 24	100	19	39	10,0	3	DIN 371	2B
T830NC04375-14R2B-D6	7/16 - 14	100	18	41	8,0	3	DIN 376	2B
T830NF04375-20R2B-D6	7/16 - 20	100	18	41	8,0	3	DIN 376	2B
T830NC05000-13R2B-D6	1/2 - 13	110	23	47	9,0	3	DIN 376	2B
T830NF05000-20R2B-D6	1/2 - 20	110	23	47	9,0	3	DIN 376	2B
T830NC05625-12R2B-D6	9/16 - 12	110	25	53	11,0	3	DIN 376	2B
T830NF05625-18R2B-D6	9/16 - 18	110	25	53	11,0	3	DIN 376	2B
T830NC06250-11R2B-D6	5/8 - 11	110	24	51	12,0	3	DIN 376	2B
T830NF06250-18R2B-D6	5/8 - 18	110	24	51	12,0	3	DIN 376	2B
T830NC07500-10R2B-D6	3/4 - 10	140	30	64	16,0	4	DIN 376	2B
T830NF07500-16R2B-D6	3/4 - 16	140	30	64	16,0	4	DIN 376	2B
T830NF08750-9R2B-D6	7/8 - 9	140	34	71	18,0	4	DIN 376	2B
T830NF08750-14R2B-D6	7/8 - 14	140	34	71	18,0	4	DIN 376	2B
T830NC10000-8R2B-D6	1 - 8	160	38	81	18,0	4	DIN 376	2B
T830NF10000-12R2B-D6	1 - 12	160	38	81	18,0	4	DIN 376	2B

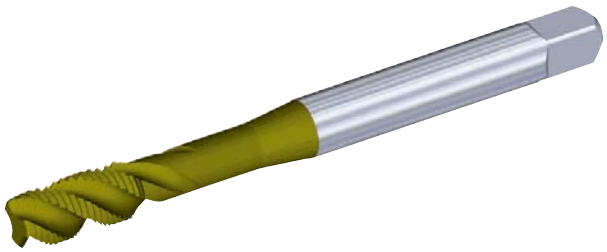
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

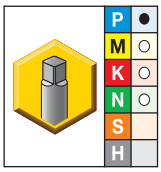
D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052

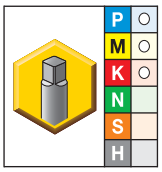
- KSU31 TiN
- KSP39 oxide





T838 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • UNC/UNF • Tension/Compression Holders



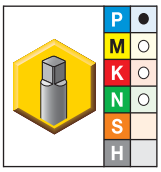


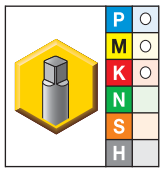
● first choice
○ alternate choice

KSU31	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T838NC#06-32R2B-D1	T838NC#06-32R2B-D1	6 - 32	56	7	21	4,0	3	DIN 371	2B
T838NF#06-40R2B-D1	T838NF#06-40R2B-D1	6 - 40	56	7	21	4,0	3	DIN 371	2B
T838NC#08-32R2B-D1	T838NC#08-32R2B-D1	8 - 32	63	7	21	4,5	3	DIN 371	2B
T838NF#08-36R2B-D1	T838NF#08-36R2B-D1	8 - 36	63	7	21	4,5	3	DIN 371	2B
T838NC#10-24R2B-D1	T838NC#10-24R2B-D1	10 - 24	70	8	25	6,0	3	DIN 371	2B
T838NF#10-32R2B-D1	T838NF#10-32R2B-D1	10 - 32	70	8	25	6,0	3	DIN 371	2B
T838NC#12-24R2B-D1	T838NC#12-24R2B-D1	12 - 24	80	10	30	6,0	3	DIN 371	2B
T838NF#12-28R2B-D1	T838NF#12-28R2B-D1	12 - 28	80	10	30	6,0	3	DIN 371	2B
T838NC02500-20R2B-D1	T838NC02500-20R2B-D1	1/4 - 20	80	10	29	7,0	3	DIN 371	2B
T838NC02500-20R2B-D6	T838NC02500-20R2B-D6	1/4 - 20	80	10	36	4,5	3	DIN 376	2B
T838NF02500-28R2B-D1	T838NF02500-28R2B-D1	1/4 - 28	80	10	29	7,0	3	DIN 371	2B
T838NF02500-28R2B-D4	T838NF02500-28R2B-D4	1/4 - 28	80	10	36	4,5	3	DIN 374	2B
T838NC03125-18R2B-D1	T838NC03125-18R2B-D1	5/16 - 18	90	13	37	8,0	3	DIN 371	2B
T838NC03125-18R2B-D6	T838NC03125-18R2B-D6	5/16 - 18	90	13	37	6,0	3	DIN 376	2B
T838NF03125-24R2B-D4	T838NF03125-24R2B-D4	5/16 - 24	90	13	37	6,0	3	DIN 374	2B
T838NC03750-16R2B-D1	T838NC03750-16R2B-D1	3/8 - 16	100	15	42	10,0	3	DIN 371	2B
T838NC03750-16R2B-D6	T838NC03750-16R2B-D6	3/8 - 16	100	15	45	7,0	3	DIN 376	2B
T838NF03750-24R2B-D4	T838NF03750-24R2B-D4	3/8 - 24	90	15	40	7,0	3	DIN 374	2B
T838NC04375-14R2B-D6	T838NC04375-14R2B-D6	7/16 - 14	100	15	47	8,0	3	DIN 376	2B
T838NF04375-20R2B-D4	T838NF04375-20R2B-D4	7/16 - 20	100	15	47	8,0	3	DIN 374	2B
T838NC05000-13R2B-D6	T838NC05000-13R2B-D6	1/2 - 13	110	18	50	9,0	3	DIN 376	2B
T838NF05000-20R2B-D4	T838NF05000-20R2B-D4	1/2 - 20	100	13	44	9,0	3	DIN 374	2B
T838NC05625-12R2B-D6	T838NC05625-12R2B-D6	9/16 - 12	110	20	55	11,0	4	DIN 376	2B
T838NF05625-18R2B-D4	T838NF05625-18R2B-D4	9/16 - 18	100	15	44	11,0	4	DIN 374	2B
T838NC06250-11R2B-D6	T838NC06250-11R2B-D6	5/8 - 11	110	20	55	12,0	4	DIN 376	2B
T838NF06250-18R2B-D4	T838NF06250-18R2B-D4	5/8 - 18	100	15	45	12,0	4	DIN 374	2B
T838NC07500-10R2B-D6	T838NC07500-10R2B-D6	3/4 - 10	125	25	65	14,0	4	DIN 376	2B
T838NF07500-16R2B-D4	T838NF07500-16R2B-D4	3/4 - 16	110	17	55	14,0	4	DIN 374	2B

(continued)

(T838 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • UNC/UNF • Tension/Compression Holders — continued)





● first choice
○ alternate choice

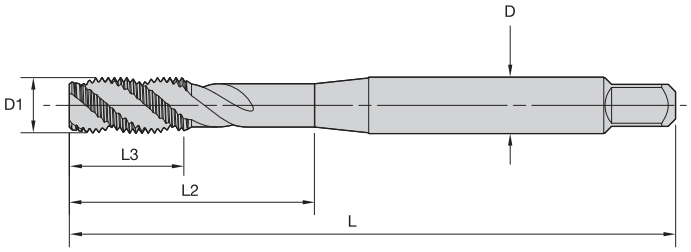
KSU31	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T838NC08750-9R2B-D6	**T838NC08750-9R2B-D6**	7/8 - 9	140	25	68	18,0	4	DIN 376	2B
T838NF08750-14R2B-D4	**T838NF08750-14R2B-D4**	7/8 - 14	125	18	57	18,0	4	DIN 374	2B
T838NC10000-8R2B-D6	**T838NC10000-8R2B-D6**	1 - 8	160	30	89	18,0	4	DIN 376	2B
T838NF10000-12R2B-D4	**T838NF10000-12R2B-D4**	1 - 12	140	22	63	18,0	4	DIN 374	2B
T838NC11250-7R2B-D6	**T838NC11250-7R2B-D6**	1 1/8 - 7	180	35	90	22,0	4	DIN 376	2B
T838NF11250-12R2B-D4	**T838NF11250-12R2B-D4**	1 1/8 - 12	150	22	70	22,0	4	DIN 374	2B
T838NC12500-7R2B-D6	**T838NC12500-7R2B-D6**	1 1/4 - 7	180	35	95	22,0	4	DIN 376	2B
T838NF12500-12R2B-D4	**T838NF12500-12R2B-D4**	1 1/4 - 12	150	22	67	22,0	5	DIN 374	2B
T838NC13750-6R2B-D6	**T838NC13750-6R2B-D6**	1 3/8 - 6	200	40	100	28,0	4	DIN 376	2B
T838NF13750-12R2B-D4	**T838NF13750-12R2B-D4**	1 3/8 - 12	170	24	80	28,0	5	DIN 374	2B
T838NC15000-6R2B-D6	**T838NC15000-6R2B-D6**	1 1/2 - 6	200	40	100	28,0	4	DIN 376	2B
T838NF15000-12R2B-D4	**T838NF15000-12R2B-D4**	1 1/2 - 12	170	24	72	28,0	6	DIN 374	2B
T838NC17500-5R2B-D6	**T838NC17500-5R2B-D6**	1 3/4 - 5	220	50	108	36,0	5	DIN 376	2B
T838NC20000-4,5R2B-D6	**T838NC20000-4,5R2B-D6**	2 - 4 1/2	250	55	140	40,0	5	DIN 376	2B

NOTE: Suitable for tension/compression holders.

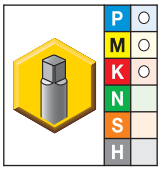
Shank Tolerance

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

• KSP39 oxide



T830 • DIN 371 and 376 • Form C Semi-Bottoming Chamfer • UNJC/UNJF • Rigid and Synchronous Holders



● first choice
○ alternate choice

KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T830NC#04-40R3B-D1	4 - 40	56	8	18	3,5	2	DIN 371	3B
T830NC#06-32R3B-D1	6 - 32	56	9	20	4,0	2	DIN 371	3B
T830NC#08-32R3B-D1	8 - 32	63	11	21	4,5	3	DIN 371	3B
T830NF#10-32R3B-D1	10 - 32	70	12	25	6,0	3	DIN 371	3B
T830NF02500-28R3B-D1	1/4 - 28	80	15	30	7,0	3	DIN 371	3B
T830NF03125-24R3B-D1	5/16 - 24	90	15	35	8,0	3	DIN 371	3B
T830NF03750-24R3B-D1	3/8 - 24	100	19	39	10,0	3	DIN 371	3B
T830NF04375-20R3B-D6	7/16 - 20	100	18	41	8,0	3	DIN 376	3B
T830NF05000-20R3B-D6	1/2 - 20	110	23	47	9,0	3	DIN 376	3B

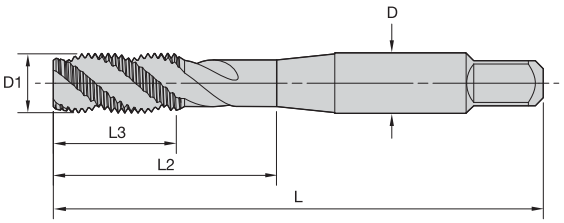
NOTE: Internal UNJC/UNJF threads may be produced with ground thread UNC/UNF taps.

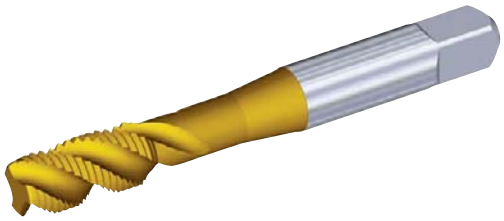
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

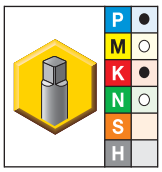
D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052

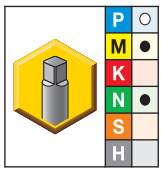
- KSP32 TiCN/TiN
- KSMN34 TiN + CrC/C
- KSP39 oxide

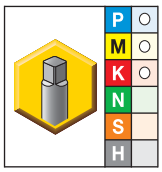




T830 • Form C Semi-Bottoming Chamfer • Metric • ANSI • Rigid and Synchronous Holders







● first choice
○ alternate choice

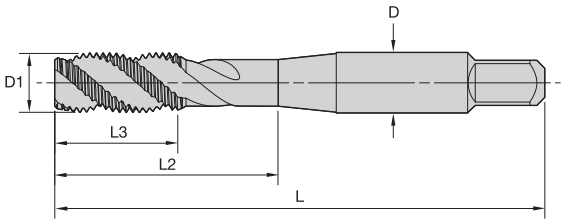
KSP32	KSMN34	KSP39	D1 size	inch dimensions L	L3	L2	D	number of flutes	pitch diameter limit
T830M030X050RD3-A	–	T830M030X050RD3-A	M3 X 0,5	1.94	.58	.75	.141	2	D3
T834M030X050RD3-A	–	T834M030X050RD3-A	M3 X 0.5	1.94	.58	.76	.141	3	D3
–	–	T830M035X060RD4-A	M3,5 X 0,6	1.99	.38	.71	.141	2	D4
–	–	T834M035X060RD4-A	M3.5 X 0.6	2.00	.38	.72	.141	3	D4
T830M040X070RD4-A	–	T830M040X070RD4-A	M4 X 0,7	2.12	.38	.76	.168	3	D4
T830M050X080RD4-A	T830M050X080RD4-A	T830M050X080RD4-A	M5 X 0,8	2.37	.50	.91	.194	3	D4
T830M060X100RD5-A	T830M060X100RD5-A	T830M060X100RD5-A	M6 X 1	2.50	.63	1.00	.255	3	D5
–	–	T830M070X100RD5-A	M7 X 1	2.72	.69	1.15	.318	3	D5
–	–	T830MF080X100RD5-A	M8 X 1	2.70	.69	1.12	.318	3	D5
T830M080X125RD5-A	T830M080X125RD5-A	T830M080X125RD5-A	M8 X 1,25	2.70	.69	1.12	.318	3	D5
–	–	T830MF100X125RD5-A	M10 X 1,25	2.92	.74	1.25	.381	3	D5
T830M100X150RD6-A	T830M100X150RD6-A	T830M100X150RD6-A	M10 X 1,5	2.93	.75	1.26	.381	3	D6
–	–	T830MF120X125RD5-A	M12 X 1,25	3.38	.94	1.74	.367	3	D5
–	–	T830MF120X150RD5-A	M12 X 1,5	3.38	.94	1.74	.367	3	D5
T830M120X175RD6-A	T830M120X175RD6-A	T830M120X175RD6-A	M12 X 1,75	3.38	.94	1.74	.367	3	D6
–	–	T830MF140X150RD6-A	M14 X 1,5	3.59	1.00	1.74	.429	3	D6
–	–	T830M140X200RD7-A	M14 X 2	3.59	1.00	1.74	.429	3	D7
–	–	T830MF160X150RD6-A	M16 X 1,5	3.81	1.09	1.89	.480	3	D6
–	–	T830M160X200RD7-A	M16 X 2	3.81	1.09	1.89	.480	3	D7
–	–	T830MF180X150RD6-A	M18 X 1,5	4.03	1.09	1.89	.542	4	D6
–	–	T830M180X250RD7-A	M18 X 2,5	4.03	1.09	1.89	.542	4	D7

NOTE: Suggested for use in rigid and synchronous holders.

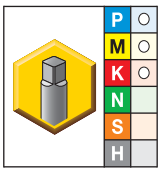
Shank Tolerance

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

• KSP39 oxide



T832 • Form E Bottoming Chamfer • Metric • ANSI • Rigid and Synchronous Holders



● first choice
○ alternate choice

KSP39	D1 size	inch dimensions L	L3	L2	D	number of flutes	pitch diameter limit
T832M030X050RD3-A	M3 X 0,5	1.94	.58	.75	.141	2	D3
T832M035X060RD4-A	M3,5 X 0,6	2.00	.38	.71	.141	2	D4
T832M040X070RD4-A	M4 X 0,7	2.13	.38	.76	.168	3	D4
T832M050X080RD4-A	M5 X 0,8	2.38	.50	.91	.194	3	D4
T832M060X100RD5-A	M6 X 1	2.50	.63	1.00	.255	3	D5
T832M070X100RD5-A	M7 X 1	2.72	.69	1.15	.318	3	D5
T832MF080X100RD5-A	M8 X 1	2.72	.69	1.12	.318	3	D5
T832M080X125RD5-A	M8 X 1,25	2.72	.69	1.12	.318	3	D5
T832MF100X125RD5-A	M10 X 1,25	2.94	.75	1.26	.381	3	D5
T832M100X150RD6-A	M10 X 1,5	2.94	.75	1.26	.381	3	D6
T832MF120X125RD5-A	M12 X 1,25	3.38	.94	1.74	.367	3	D5
T832MF120X150RD5-A *	M12 X 1,5	3.38	.94	1.74	.367	3	D5
T832M120X175RD6-A	M12 X 1,75	3.38	.94	1.74	.367	3	D6
T832MF140X150RD6-A	M14 X 1,5	3.59	1.00	1.74	.429	3	D6
T832M140X200RD7-A	M14 X 2	3.59	1.00	1.74	.429	3	D7
T832MF160X150RD6-A	M16 X 1,5	3.81	1.09	1.89	.480	3	D6
T832M160X200RD7-A	M16 X 2	3.81	1.09	1.89	.480	3	D7
T832MF180X150RD6-A	M18 X 1,5	4.03	1.09	1.89	.542	4	D6

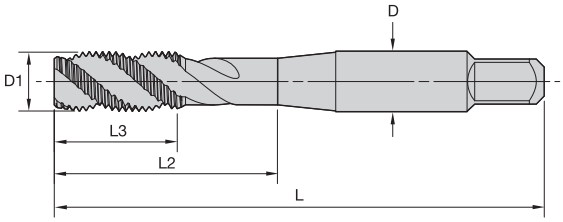
NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

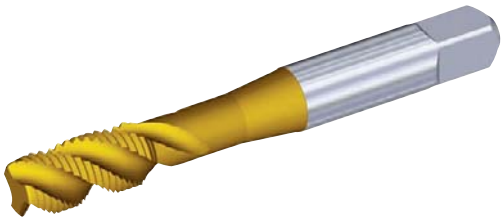
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

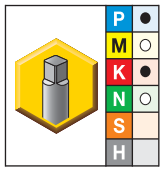
D inch	tolerance
.141–.635	+0, -.0015
>.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

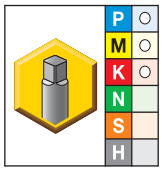
- KSP32 TiCN/TiN
- KSP39 oxide





T838 • Form C Semi-Bottoming Chamfer • Metric • ANSI • Tension/Compression Holders





● first choice
○ alternate choice

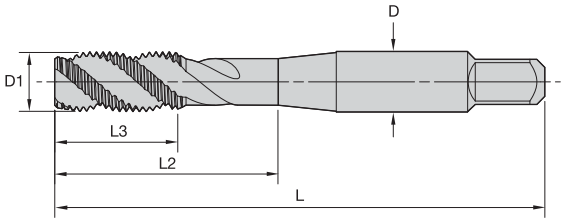
KSP32	KSP39	inch dimensions D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
T838M030X050RD3-A	T838M030X050RD3-A	M3 X 0,5	1.94	.58	.75	.141	2	D3
–	T838M035X060RD4-A	M3,5 X 0,6	1.99	.38	.71	.141	2	D4
T838M040X070RD4-A	T838M040X070RD4-A	M4 X 0,7	2.12	.38	.76	.168	3	D4
T838M050X080RD4-A	T838M050X080RD4-A	M5 X 0,8	2.37	.50	.91	.194	3	D4
T838M060X100RD5-A	T838M060X100RD5-A	M6 X 1	2.50	.63	1.01	.255	3	D5
–	T838M070X100RD5-A	M7 X 1	2.73	.69	1.15	.318	3	D5
–	T838MF080X100RD5-A	M8 X 1	2.71	.69	1.12	.318	3	D5
T838M080X125RD5-A	T838M080X125RD5-A	M8 X 1,25	2.71	.69	1.12	.318	3	D5
–	T838MF100X125RD5-A	M10 X 1,25	2.92	.74	1.25	.381	3	D5
T838M100X150RD6-A	T838M100X150RD6-A	M10 X 1,5	2.92	.75	1.26	.381	3	D6
–	T838MF120X125RD5-A	M12 X 1,25	3.38	.94	1.74	.367	3	D5
–	T838MF120X150RD5-A	M12 X 1,5	3.38	.94	1.74	.367	3	D5
T838M120X175RD6-A	T838M120X175RD6-A	M12 X 1,75	3.38	.94	1.74	.367	3	D6
–	T838MF140X150RD6-A	M14 X 1,5	3.59	1.00	1.74	.429	3	D6
–	T838M140X200RD7-A	M14 X 2	3.59	1.00	1.74	.429	3	D7
–	T838MF160X150RD6-A	M16 X 1,5	3.81	1.09	1.89	.480	3	D6
–	T838M160X200RD7-A	M16 X 2	3.81	1.09	1.89	.480	3	D7
–	T838MF180X150RD6-A	M18 X 1,5	4.03	1.09	1.89	.542	4	D6
–	T838M180X250RD7-A	M18 X 2,5	4.03	1.09	1.89	.542	4	D7

NOTE: Suitable for tension/compression holders.

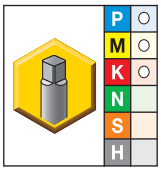
Shank Tolerance

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

• KSP39 oxide



T839 • Form E Bottoming Chamfer • Metric • ANSI • Tension/Compression Holders



● first choice
○ alternate choice

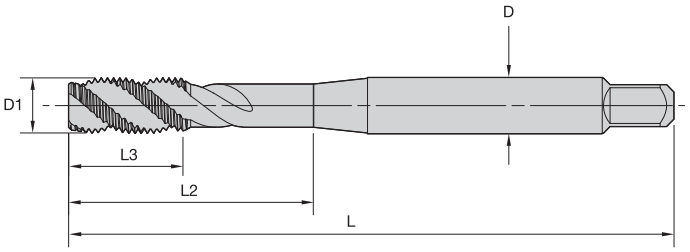
KSP39	D1 size	inch dimensions L	L3	L2	D	number of flutes	pitch diameter limit
T839M030X050RD3-A	M3 X 0,5	1.94	.58	.75	.141	2	D3
T839M035X060RD4-A	M3,5 X 0,6	2.00	.38	.71	.141	2	D4
T839M040X070RD4-A	M4 X 0,7	2.13	.38	.76	.168	3	D4
T839M050X080RD4-A	M5 X 0,8	2.38	.50	.91	.194	3	D4
T839M060X100RD5-A	M6 X 1	2.50	.63	1.00	.255	3	D5
T839M070X100RD5-A	M7 X 1	2.72	.69	1.15	.318	3	D5
T839MF080X100RD5-A	M8 X 1	2.72	.69	1.12	.318	3	D5
T839M080X125RD5-A	M8 X 1,25	2.72	.69	1.12	.318	3	D5
T839MF100X125RD5-A	M10 X 1,25	2.94	.75	1.26	.381	3	D5
T839M100X150RD6-A	M10 X 1,5	2.94	.75	1.26	.381	3	D6
T839MF120X125RD5-A	M12 X 1,25	3.38	.94	1.74	.367	3	D5
T839MF120X150RD5-A	M12 X 1,5	3.38	.94	1.74	.367	3	D5
T839M120X175RD6-A	M12 X 1,75	3.38	.94	1.74	.367	3	D6
T839MF140X150RD6-A	M14 X 1,5	3.59	1.00	1.74	.429	3	D6
T839M140X200RD7-A	M14 X 2	3.59	1.00	1.74	.429	3	D7
T839MF160X150RD6-A	M16 X 1,5	3.81	1.09	1.89	.480	3	D6
T839M160X200RD7-A	M16 X 2	3.81	1.09	1.89	.480	3	D7
T839MF180X150RD6-A	M18 X 1,5	4.03	1.09	1.89	.542	4	D6

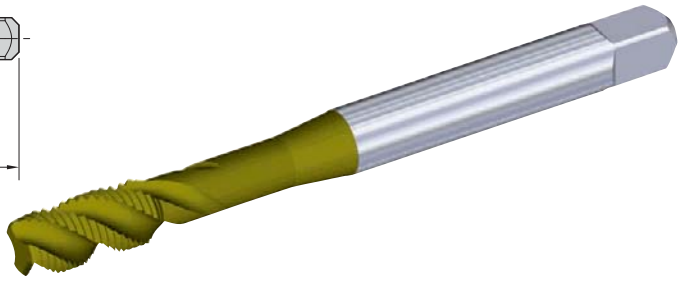
NOTE: Suitable for tension/compression holders.

Shank Tolerance

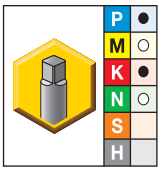
D inch	tolerance
.141–.635	+0, -.0015
>.635–1.51	+0, -.0020
>1.51–2.01	+0, -.0030

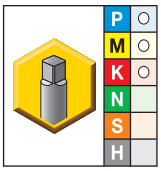
- KSP32 TiCN/TiN
- KSP39 oxide





T830 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • Metric • Rigid and Synchronous Holders



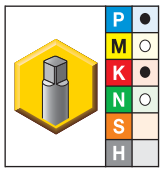


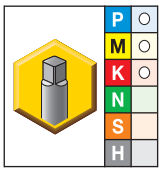
● first choice
○ alternate choice

KSP32	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
–	T830M020X040R6H-D1	M2 X 0,4	45	7	13	2,8	2	DIN 371	6H
–	T830M020X040R6G-D1	M2 X 0,4	45	7	13	2,8	2	DIN 371	6G
–	T830M025X045R6H-D1	M2,5 X 0,45	50	7	15	2,8	2	DIN 371	6H
–	T830M025X045R6G-D1	M2,5 X 0,45	50	7	15	2,8	2	DIN 371	6G
T830M030X050R6H-D1	T830M030X050R6H-D1	M3 X 0,5	56	8	18	3,5	2	DIN 371	6H
–	T830M030X050R6G-D1	M3 X 0,5	56	8	18	3,5	2	DIN 371	6G
–	T830M035X060R6H-D1	M3,5 X 0,6	56	9	20	4,0	2	DIN 371	6H
T830M040X070R6H-D1	T830M040X070R6H-D1	M4 X 0,7	63	11	21	4,5	3	DIN 371	6H
–	T830M040X070R6G-D1	M4 X 0,7	63	11	21	4,5	3	DIN 371	6G
T830M050X080R6H-D1	T830M050X080R6H-D1	M5 X 0,8	70	12	25	6,0	3	DIN 371	6H
–	T830M050X080R6G-D1	M5 X 0,8	70	12	25	6,0	3	DIN 371	6G
–	T830M060X100R6H-D6	M6 X 1	80	12	30	4,5	3	DIN 376	6H
T830M060X100R6H-D1	T830M060X100R6H-D1	M6 X 1	80	12	30	6,0	3	DIN 371	6H
–	T830M060X100R6G-D1	M6 X 1	80	12	30	6,0	3	DIN 371	6G
–	T830M070X100R6H-D1	M7 X 1	80	12	30	7,0	3	DIN 371	6H
T830MF080X100R6H-D4	T830MF080X100R6H-D4	M8 X 1	90	15	35	6,0	3	DIN 374	6H
–	T830M080X125R6H-D6	M8 X 1,25	90	15	35	6,0	3	DIN 376	6H
T830M080X125R6H-D1	T830M080X125R6H-D1	M8 X 1,25	90	15	35	8,0	3	DIN 371	6H
–	T830M080X125R6G-D1	M8 X 1,25	90	15	35	8,0	3	DIN 371	6G
T830MF100X125R6H-D4	T830MF100X125R6H-D4	M10 X 1,25	100	18	39	7,0	3	DIN 374	6H
–	T830M100X150R6H-D6	M10 X 1,5	100	18	39	7,0	3	DIN 376	6H
T830M100X150R6H-D1	–	M10 X 1,5	100	18	39	10,0	3	DIN 371	6G
–	T830M100X150R6H-D1	M10 X 1,5	100	18	39	10,0	3	DIN 371	6H
–	T830M100X150R6G-D1	M10 X 1,5	100	18	39	10,0	3	DIN 371	6G

(continued)

(T830 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • Metric • Rigid and Synchronous Holders — continued)





● first choice
○ alternate choice

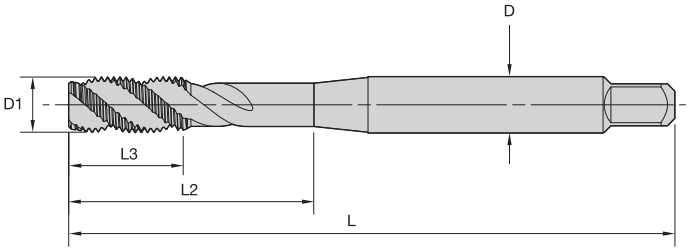
KSP32	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
–	T830MF120X125R6H-D4	M12 X 1,25	100	21	39	9,0	3	DIN 374	6H
T830MF120X150R6H-D4	T830MF120X150R6H-D4	M12 X 1,5	100	21	39	9,0	3	DIN 374	6H
T830M120X175R6H-D6	T830M120X175R6H-D6	M12 X 1,75	110	21	44	9,0	3	DIN 376	6H
–	T830M120X175R6G-D6	M12 X 1,75	110	21	44	9,0	3	DIN 376	6G
T830MF140X150R6H-D4	T830MF140X150R6H-D4	M14 X 1,5	100	21	47	11,0	3	DIN 374	6H
T830M140X200R6H-D6	T830M140X200R6H-D6	M14 X 2	110	24	52	11,0	3	DIN 376	6H
–	T830M140X200R6G-D6	M14 X 2	110	24	52	11,0	3	DIN 376	6G
–	T830MF160X150R6H-D4	M16 X 1,5	100	21	46	12,0	3	DIN 374	6H
–	T830M160X200R6H-D6	M16 X 2	110	24	51	12,0	3	DIN 376	6H
–	T830M160X200R6G-D6	M16 X 2	110	24	51	12,0	3	DIN 376	6G
–	T830MF180X150R6H-D4	M18 X 1,5	110	21	50	14,0	4	DIN 374	6H
–	T830M180X250R6H-D6	M18 X 2,5	125	30	58	14,0	4	DIN 376	6H
–	T830M200X250R6H-D6	M20 X 2,5	140	30	64	16,0	4	DIN 376	6H
–	T830M220X250R6H-D6	M22 X 2,5	140	30	70	18,0	4	DIN 376	6H
–	T830M240X300R6H-D6	M24 X 3	160	36	77	18,0	4	DIN 376	6H
–	T830M270X300R6H-D6	M27 X 3	160	36	82	20,0	4	DIN 376	6H
–	T830M300X350R6H-D6	M30 X 3,5	180	42	91	22,0	4	DIN 376	6H
–	T830M330X350R6H-D6	M33 X 3,5	180	42	100	25,0	4	DIN 376	6H
–	T830M360X400R6H-D6	M36 X 4	200	48	110	28,0	5	DIN 376	6H

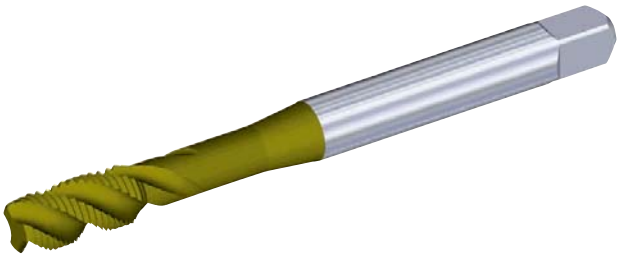
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

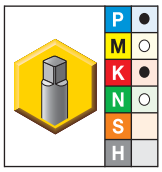
D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052

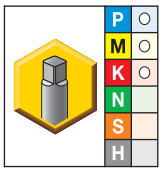
- KSP32 TiCN/TiN
- KSP39 oxide





T832 • DIN 371, 374, and 376 • Form E Bottoming Chamfer • Metric • Rigid and Synchronous Holders





● first choice
○ alternate choice

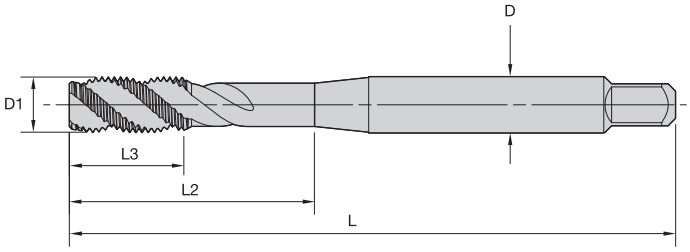
KSP32	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T832M030X050R6H-D1	T832M030X050R6H-D1	M3 X 0,5	56	8	18	3,5	2	DIN 371	6H
T832M040X070R6H-D1	T832M040X070R6H-D1	M4 X 0,7	63	11	21	4,5	3	DIN 371	6H
T832M050X080R6H-D1	T832M050X080R6H-D1	M5 X 0,8	70	12	25	6,0	3	DIN 371	6H
T832M060X100R6H-D1	T832M060X100R6H-D1	M6 X 1	80	12	30	6,0	3	DIN 371	6H
T832MF080X100R6H-D4	T832MF080X100R6H-D4	M8 X 1	90	15	35	6,0	3	DIN 374	6H
T832M080X125R6H-D1	T832M080X125R6H-D1	M8 X 1,25	90	15	35	8,0	3	DIN 371	6H
T832MF100X125R6H-D4	T832MF100X125R6H-D4	M10 X 1,25	100	18	39	7,0	3	DIN 374	6H
T832M100X150R6H-D1	T832M100X150R6H-D1	M10 X 1,5	100	18	39	10,0	3	DIN 371	6H
T832MF120X150R6H-D4	T832MF120X150R6H-D4	M12 X 1,5	100	21	39	9,0	3	DIN 374	6H
T832M120X175R6H-D6	T832M120X175R6H-D6	M12 X 1,75	110	21	44	9,0	3	DIN 376	6H
T832MF140X150R6H-D4	T832MF140X150R6H-D4	M14 X 1,5	100	21	47	11,0	3	DIN 374	6H
T832M140X200R6H-D6	T832M140X200R6H-D6	M14 X 2	110	24	52	11,0	3	DIN 376	6H
—	T832M160X200R6H-D6	M16 X 2	110	24	51	12,0	3	DIN 376	6H
T832M180X250R6H-D6	T832M180X250R6H-D6	M18 X 2,5	125	30	58	14,0	4	DIN 376	6H
T832M200X250R6H-D6	T832M200X250R6H-D6	M20 X 2,5	140	30	64	16,0	4	DIN 376	6H

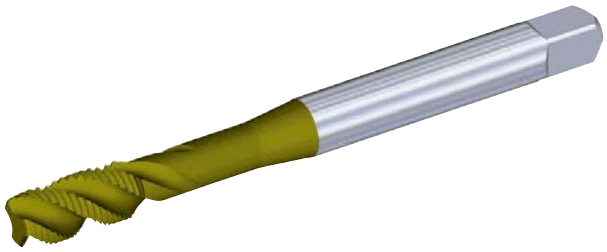
NOTE: Suggested for use in rigid and synchronous holders.

Shank Tolerance

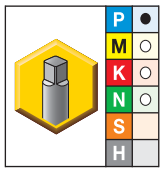
D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052

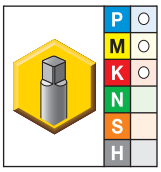
- KSU31 TiN
- KSP39 oxide





T838 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • Metric • Tension/Compression Holders



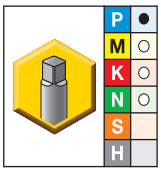


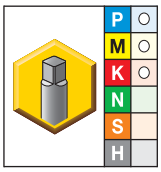
● first choice
○ alternate choice

KSU31	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T838M020X040R6H-D1	T838M020X040R6H-D1	M2 X 0,4	45	7	13	2,8	3	DIN 371	6H
T838M030X050R6H-D1	T838M030X050R6H-D1	M3 X 0,5	56	5	19	3,5	3	DIN 371	6H
T838M040X070R6H-D1	T838M040X070R6H-D1	M4 X 0,7	63	7	21	4,5	3	DIN 371	6H
T838M050X080R6H-D1	T838M050X080R6H-D1	M5 X 0,8	70	8	26	6,0	3	DIN 371	6H
T838M050X080R6H-D6	T838M050X080R6H-D6	M5 X 0,8	70	8	27	3,5	3	DIN 376	6H
T838MF060X075R6H-D4	T838MF060X075R6H-D4	M6 X 0,75	80	10	34	4,5	3	DIN 374	6H
T838M060X100R6H-D1	T838M060X100R6H-D1	M6 X 1	80	10	30	6,0	3	DIN 371	6H
T838M060X100R6H-D6	T838M060X100R6H-D6	M6 X 1	80	10	34	4,5	3	DIN 376	6H
T838MF080X075R6H-D4	T838MF080X075R6H-D4	M8 X 0,75	90	13	37	6,0	3	DIN 374	6H
T838MF080X100R6H-D4	T838MF080X100R6H-D4	M8 X 1	90	13	37	6,0	3	DIN 374	6H
T838M080X125R6H-D1	T838M080X125R6H-D1	M8 X 1,25	90	13	37	8,0	3	DIN 371	6H
T838M080X125R6H-D6	T838M080X125R6H-D6	M8 X 1,25	90	13	37	6,0	3	DIN 376	6H
T838MF100X075R6H-D4	T838MF100X075R6H-D4	M10 X 0,75	90	15	40	7,0	3	DIN 374	6H
T838MF100X100R6H-D4	T838MF100X100R6H-D4	M10 X 1	90	15	40	7,0	3	DIN 374	6H
T838MF100X125R6H-D4	T838MF100X125R6H-D4	M10 X 1,25	100	15	44	7,0	3	DIN 374	6H
T838M100X150R6H-D1	T838M100X150R6H-D1	M10 X 1,5	100	15	41	10,0	3	DIN 371	6H
T838M100X150R6H-D6	T838M100X150R6H-D6	M10 X 1,5	100	15	44	7,0	3	DIN 376	6H
T838MF120X100R6H-D4	T838MF120X100R6H-D4	M12 X 1	100	13	50	9,0	3	DIN 374	6H
T838MF120X125R6H-D4	T838MF120X125R6H-D4	M12 X 1,25	100	13	50	9,0	3	DIN 374	6H
T838MF120X150R6H-D4	T838MF120X150R6H-D4	M12 X 1,5	100	13	50	9,0	3	DIN 374	6H
T838M120X175R6H-D6	T838M120X175R6H-D6	M12 X 1,75	110	18	55	9,0	3	DIN 376	6H
T838MF140X100R6H-D4	T838MF140X100R6H-D4	M14 X 1	100	15	41	11,0	4	DIN 374	6H
T838MF140X125R6H-D4	T838MF140X125R6H-D4	M14 X 1,25	100	15	41	11,0	4	DIN 374	6H
T838MF140X150R6H-D4	T838MF140X150R6H-D4	M14 X 1,5	100	15	41	11,0	4	DIN 374	6H
T838M140X200R6H-D6	T838M140X200R6H-D6	M14 X 2	110	20	50	11,0	3	DIN 376	6H
T838MF160X150R6H-D4	T838MF160X150R6H-D4	M16 X 1,5	100	15	45	12,0	4	DIN 374	6H
T838M160X200R6H-D6	T838M160X200R6H-D6	M16 X 2	110	20	55	12,0	4	DIN 376	6H
T838MF180X150R6H-D4	T838MF180X150R6H-D4	M18 X 1,5	110	17	55	14,0	4	DIN 374	6H

(continued)

(T838 • DIN 371, 374, and 376 • Form C Semi-Bottoming Chamfer • Metric • Tension/Compression Holders — continued)





● first choice
○ alternate choice

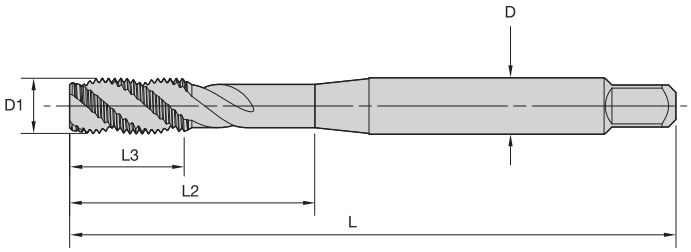
KSU31	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T838MF180X200R6H-D4	T838MF180X200R6H-D4	M18 X 2	125	25	61	14,0	4	DIN 374	6H
T838M180X250R6H-D6	T838M180X250R6H-D6	M18 X 2,5	125	25	61	14,0	4	DIN 376	6H
T838MF200X150R6H-D4	T838MF200X150R6H-D4	M20 X 1,5	125	17	56	16,0	4	DIN 374	6H
T838MF200X200R6H-D4	T838MF200X200R6H-D4	M20 X 2	140	25	65	16,0	4	DIN 374	6H
T838M200X250R6H-D6	T838M200X250R6H-D6	M20 X 2,5	140	25	65	16,0	4	DIN 376	6H
T838MF220X150R6H-D4	T838MF220X150R6H-D4	M22 X 1,5	125	18	61	18,0	4	DIN 374	6H
T838MF220X200R6H-D4	T838MF220X200R6H-D4	M22 X 2	140	25	66	18,0	4	DIN 374	6H
T838M220X250R6H-D6	T838M220X250R6H-D6	M22 X 2,5	140	25	66	18,0	4	DIN 376	6H
T838MF240X150R6H-D4	T838MF240X150R6H-D4	M24 X 1,5	140	20	67	18,0	4	DIN 374	6H
T838MF240X200R6H-D4	T838MF240X200R6H-D4	M24 X 2	140	20	67	18,0	4	DIN 374	6H
T838M240X300R6H-D6	T838M240X300R6H-D6	M24 X 3	160	30	77	18,0	4	DIN 376	6H
T838MF270X150R6H-D4	T838MF270X150R6H-D4	M27 X 1,5	140	20	65	20,0	4	DIN 374	6H
T838M270X300R6H-D6	T838M270X300R6H-D6	M27 X 3	160	33	85	20,0	4	DIN 376	6H
T838MF300X150R6H-D4	T838MF300X150R6H-D4	M30 X 1,5	150	22	68	20,0	4	DIN 374	6H
T838MF300X200R6H-D4	T838MF300X200R6H-D4	M30 X 2	150	22	68	22,0	4	DIN 374	6H
T838M300X350R6H-D6	T838M300X350R6H-D6	M30 X 3,5	180	35	87	22,0	4	DIN 376	6H
T838M330X350R6H-D6	T838M330X350R6H-D6	M33 X 3,5	180	35	92	25,0	4	DIN 376	6H
T838M360X400R6H-D6	T838M360X400R6H-D6	M36 X 4	200	40	110	28,0	4	DIN 376	6H
T838M390X400R6H-D6	T838M390X400R6H-D6	M39 X 4	200	40	105	32,0	4	DIN 376	6H
T838M420X450R6H-D6	T838M420X450R6H-D6	M42 X 4,5	200	40	105	32,0	5	DIN 376	6H
T838M450X450R6H-D6	T838M450X450R6H-D6	M45 X 5	220	50	110	36,0	5	DIN 376	6H
T838M480X500R6H-D6	T838M480X500R6H-D6	M48 X 5	250	50	145	36,0	5	DIN 376	6H
T838M520X500R6H-D6	T838M520X500R6H-D6	M52 X 5	250	50	135	40,0	5	DIN 376	6H

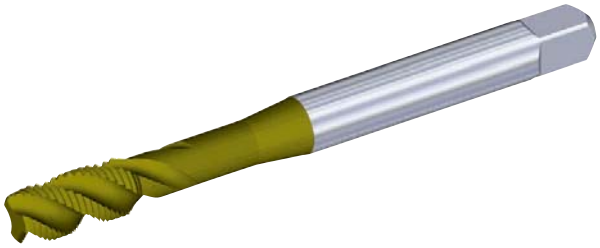
NOTE: Suitable for tension/compression holders.

Shank Tolerance

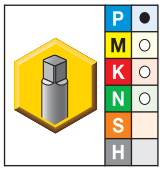
D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052

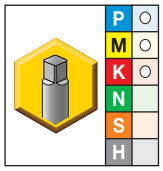
- KSU31 TiN
- KSP39 oxide





T839 • DIN 371 and 376 • Form E Bottoming Chamfer • Metric • Tension/Compression Holders





● first choice
○ alternate choice

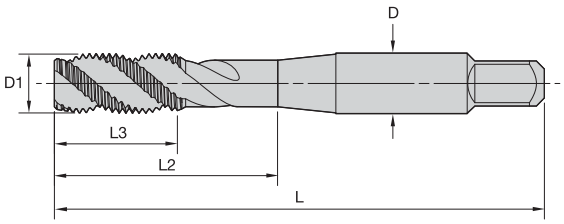
KSU31	KSP39	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	class of fit
T839M030X050R6H-D1	T839M030X050R6H-D1	M3 X 0,5	56	5	19	3,5	3	DIN 371	6H
T839M040X070R6H-D1	T839M040X070R6H-D1	M4 X 0,7	63	7	21	4,5	3	DIN 371	6H
T839M050X080R6H-D1	T839M050X080R6H-D1	M5 X 0,8	70	8	26	6,0	3	DIN 371	6H
T839M060X100R6H-D1	T839M060X100R6H-D1	M6 X 1	80	10	30	6,0	3	DIN 371	6H
T839M080X125R6H-D1	T839M080X125R6H-D1	M8 X 1,25	90	13	37	8,0	3	DIN 371	6H
T839M100X150R6H-D1	T839M100X150R6H-D1	M10 X 1,5	100	15	42	10,0	3	DIN 371	6H
T839M120X175R6H-D6	T839M120X175R6H-D6	M12 X 1,75	110	18	55	9,0	3	DIN 376	6H
T839M140X200R6H-D6	T839M140X200R6H-D6	M14 X 2	110	20	50	11,0	3	DIN 376	6H
T839M160X200R6H-D6	T839M160X200R6H-D6	M16 X 2	110	20	55	12,0	4	DIN 376	6H
T839M180X250R6H-D6	T839M180X250R6H-D6	M18 X 2,5	125	25	61	14,0	4	DIN 376	6H
T839M200X250R6H-D6	T839M200X250R6H-D6	M20 X 2,5	140	25	65	16,0	4	DIN 376	6H

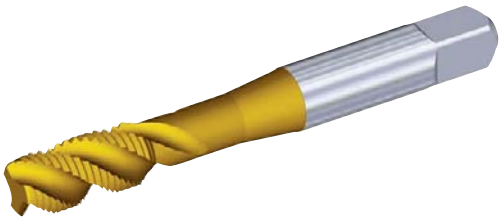
NOTE: Suitable for tension/compression holders.

Shank Tolerance

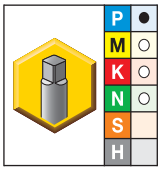
D mm	tolerance h9
1–3	+0, -0,025
>3–6	+0, -0,030
>6–10	+0, -0,036
>10–18	+0, -0,043
>18–30	+0, -0,052

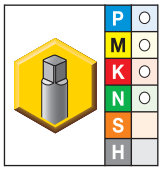
- KSU31 TiN
- KSU30 bright





T830 • Form C Semi-Bottoming Chamfer • Metric • JIS • Rigid and Synchronous Holders





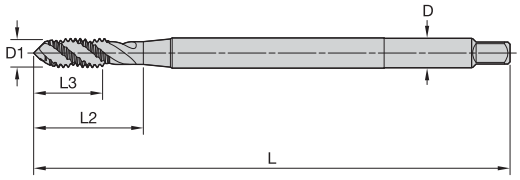
● first choice
○ alternate choice

KSU31	KSU30	metric dimensions D1 size	L	L3	L2	D	number of flutes	dimension standard	tap class
T830M030X050R6H-J	**T830M030X050R6H-J**	M3 X 0,5	46	11	19	4,0	2	JIS	ISO 2
T830M040X070R6H-J	**T830M040X070R6H-J**	M4 X 0,7	52	13	21	5,0	3	JIS	ISO 2
T830M050X080R6H-J	**T830M050X080R6H-J**	M5 X 0,8	60	16	24	5,5	3	JIS	ISO 2
T830M060X100R6H-J	**T830M060X100R6H-J**	M6 X 1	62	19	29	6,0	3	JIS	ISO 2
T830M080X125R6H-J	**T830M080X125R6H-J**	M8 X 1,25	70	22	37	6,2	3	JIS	ISO 2
T830M100X150R6H-J	**T830M100X150R6H-J**	M10 X 1,5	75	24	41	7,0	3	JIS	ISO 2
–	**T830MF120X125R6H-J**	M12 X 1,25	82	29	48	8,5	3	JIS	ISO 2
–	**T830MF120X150R6H-J**	M12 X 1,5	82	29	48	8,5	3	JIS	ISO 2
–	**T830M120X175R6H-J**	M12 X 1,75	82	29	48	8,5	3	JIS	ISO 2
–	**T830MF140X150R6H-J**	M14 X 1,5	88	30	48	10,5	3	JIS	ISO 2
–	**T830M140X200R6H-J**	M14 X 2	88	30	48	10,5	3	JIS	ISO 2
–	**T830MF160X150R6H-J**	M16 X 1,5	95	32	52	12,5	3	JIS	ISO 2
–	**T830M160X200R6H-J**	M16 X 2	95	32	52	12,5	3	JIS	ISO 2
–	**T830M180X250R6H-J**	M18 X 2,5	100	37	55	14,0	4	JIS	ISO 2
–	**T830M200X250R6H-J**	M20 X 2,5	105	37	60	15,0	4	JIS	ISO 2

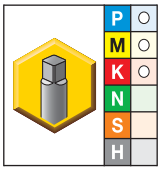
NOTE: Suggested for use in rigid and synchronous holders.

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



T830 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • 4" Length • ANSI • Tension/Compression Holders



● first choice
○ alternate choice

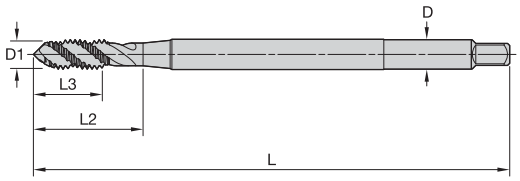
KSP39	D1 TPI	inch dimensions L	L3	L2	D	number of flutes	pitch diameter limit
T830NC#04-40RH2-XL4	4 - 40	4.00	.56	.87	.141	2	H2
T830NC#06-32RH3-XL4 *	6 - 32	4.00	.38	.71	.141	2	H3
T830NC#08-32RH3-XL4	8 - 32	4.00	.38	.76	.168	3	H3
T830NF#10-32RH3-XL4	10 - 32	4.00	.50	.91	.194	3	H3
T830NC02500-20RH3-XL4	1/4 20	4.00	.63	1.00	.255	3	H3

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

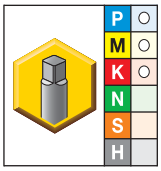
NOTE: Suitable for tension/compression holders.

Shank Tolerance

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



T830 • Form C Semi-Bottoming Chamfer • Machine Screw and Fractional • 6" Length • ANSI • Tension/Compression Holders



● first choice
○ alternate choice

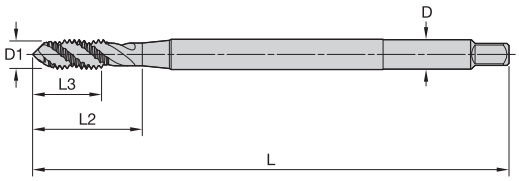
KSP39	inch dimensions D1 TPI	L	L3	L2	D	number of flutes	pitch diameter limit
T830NC#04-40RH2-XL6 *	4 - 40	6.00	.56	.87	.141	2	H2
T830NC#06-32RH3-XL6	6 - 32	6.00	.38	.71	.141	2	H3
T830NC#08-32RH3-XL6	8 - 32	6.00	.38	.76	.168	3	H3
T830NC#10-24RH3-XL6 *	10 - 24	6.00	.50	.91	.194	3	H3
T830NF#10-32RH3-XL6	10 - 32	6.00	.50	.91	.194	3	H3
T830NC02500-20RH3-XL6	1/4 20	6.00	.63	1.00	.255	3	H3
T860NF02500-28RH3-XL6	1/4 - 28	6.00	.63	1.01	.255	3	H3
T830NC03125-18RH3-XL6	5/16 - 18	6.00	.69	1.13	.318	3	H3
T830NF03125-24RH3-XL6	5/16 - 24	6.00	.69	1.13	.318	3	H3
T830NC03750-16RH3-XL6	3/8 - 16	6.00	.75	1.27	.381	3	H3
T830NF03750-24RH3-XL6 *	3/8 - 24	6.00	.75	1.26	.381	3	H3
T830NC04375-14RH3-XL6 *	7/16 - 14	6.00	.88	1.49	.323	3	H3
T830NF04375-20RH3-XL6	7/16 - 20	6.00	.88	1.49	.323	3	H3
T830NC05000-13RH3-XL6	1/2 - 13	6.00	.94	1.74	.367	3	H3
T830NF05000-20RH3-XL6	1/2 - 20	6.00	.94	1.74	.367	3	H3
T830NC06250-11RH3-XL6	5/8 - 11	6.00	1.09	1.89	.480	3	H3

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

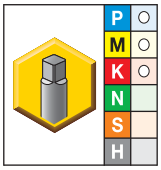
NOTE: Suitable for tension/compression holders.

Shank Tolerance

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



T832 • Form E Bottoming Chamfer • Machine Screw and Fractional • 6" Length • ANSI • Tension/Compression Holders



● first choice
○ alternate choice

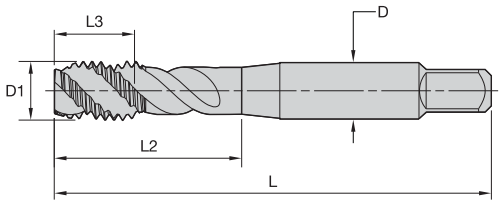
KSP39	D1 TPI	inch dimensions L	L3	L2	D	number of flutes	pitch diameter limit
T832NC#04-40RH2-XL6	4 - 40	6.00	.56	.87	.141	2	H2
T832NC#06-32RH3-XL6	6 - 32	6.00	.38	.71	.141	2	H3
T832NC#08-32RH3-XL6	8 - 32	6.00	.38	.76	.168	3	H3
T832NF#10-32RH3-XL6 *	10 - 32	6.00	.50	.91	.194	3	H3
T832NC02500-20RH3-XL6	1/4 20	6.00	.63	1.00	.255	3	H3
T832NF02500-28RH3-XL6	1/4 - 28	6.00	.63	1.01	.255	3	H3
T832NC03125-18RH3-XL6	5/16 - 18	6.00	.69	1.13	.318	3	H3
T832NC03750-16RH3-XL6	3/8 - 16	6.00	.75	1.27	.381	3	H3
T832NF03750-24RH3-XL6	3/8 - 24	6.00	.75	1.26	.381	3	H3
T832NC04375-14RH3-XL6	7/16 - 14	6.00	.88	1.49	.323	3	H3

NOTE: *Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.

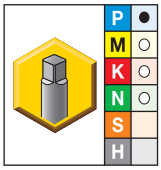
NOTE: Suitable for tension/compression holders.

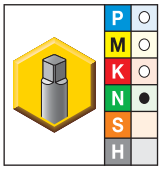
Shank Tolerance

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



KHSST Spiral Flute • Machine Screw and Fractional • Bottoming Chamfer Tap

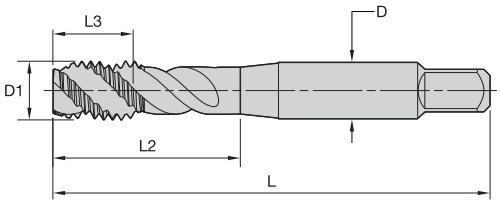




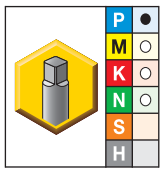
● first choice
○ alternate choice

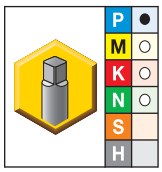
TiN	uncoated	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
KHSST28761	**KHSST28762**	4 - 40	1.88	.56	—	.141	2	H2
KHSST28779	**KHSST28774**	6 - 32	2.00	.38	.69	.141	2	H3
KHSST28785	**KHSST28787**	8 - 32	2.13	.38	.75	.168	3	H3
KHSST28738	**KHSST28740**	10 - 24	2.38	.50	.88	.194	3	H3
KHSST28745	**KHSST28747**	10 - 32	2.38	.50	.88	.194	3	H3
KHSST28137	**KHSST28074**	1/4 - 20	2.50	.63	1.00	.255	3	H3
KHSST28081	**KHSST28083**	1/4 - 28	2.50	.63	1.00	.255	3	H3
KHSST28211	**KHSST28213**	5/16 - 18	2.72	.69	1.12	.318	3	H3
KHSST28221	**KHSST28223**	5/16 - 24	2.72	.69	1.12	.318	3	H3
KHSST28187	**KHSST28189**	3/8 - 16	2.94	.75	1.25	.381	3	H3
KHSST28201	—	3/8 - 24	2.94	.75	1.25	.381	3	H3
KHSST28670	**KHSST28672**	7/16 - 14	3.16	.88	—	.323	3	H3
—	**KHSST28674**	7/16 - 20	3.16	.88	—	.323	3	H3
KHSST28047	**KHSST28049**	1/2 - 13	3.38	.94	—	.367	3	H3
—	**KHSST28062**	1/2 - 20	3.38	.94	—	.367	3	H3
—	**KHSST28231**	5/8 - 11	3.81	1.09	—	.480	4	H3
—	**KHSST28165**	3/4 - 10	4.25	1.22	—	.590	4	H3

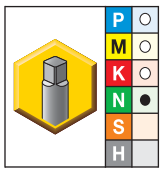
NOTE: Refer to table on pages M202–M203 for the recommended pitch diameter limit for 2B or 3B class of fit.



KHSST Spiral Flute • Bottoming Chamfer Tap • Metric ANSI



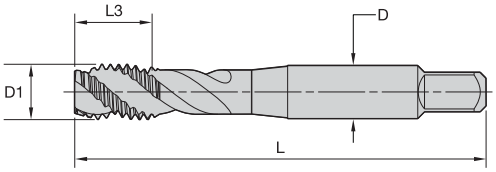




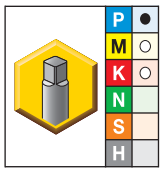
● first choice
○ alternate choice

TiCN	TiN	uncoated	D1 size	L	L3	L2	D	number of flutes	pitch diameter limit
KHSST28478	**KHSST28700**	**KHSST28692**	M3 X 0,5	1.94	.31	—	.141	2	D3
KHSST28709	**—**	**KHSST28707**	M4 X 0,7	2.13	.38	.75	.168	3	D4
—	**—**	**KHSST28716**	M5 X 0,8	2.38	.50	.88	.194	3	D4
KHSST28723	**—**	**KHSST28721**	M6 X 1	2.50	.38	.75	.255	3	D5
—	**—**	**KHSST28726**	M8 X 1,25	2.72	.69	1.12	.318	3	D5
KHSST28476	**—**	**KHSST28683**	M10 X 1,5	2.94	.75	1.25	.381	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 table on page M203 for the recommended pitch diameter limit for 6H class of fit.



KHSST Heavy-Duty Spiral Flute • Machine Screw and Fractional • Bottoming Chamfer Taps



● first choice
○ alternate choice

oxide	D1 size	L	L3	D	number of flutes	pitch diameter limit
KHSST28780	6 - 32	2.00	.38	.141	3	H3
KHSST28786	8 - 32	2.13	.38	.168	3	H3
KHSST28739	10 - 24	2.38	.50	.194	3	H3
KHSST28746	10 - 32	2.38	.50	.194	3	H3
KHSST28073	1/4 - 20	2.50	.63	.255	3	H3
KHSST28082	1/4 - 28	2.50	.63	.255	3	H3
KHSST28212	5/16 - 18	2.72	.69	.318	3	H3
KHSST28188	3/8 - 16	2.94	.75	.381	3	H3
KHSST28671 *	7/16 - 14	3.16	.88	.323	3	H3
KHSST28048	1/2 - 13	3.38	.94	.367	3	H3
KHSST28163	3/4 - 10	4.25	1.22	.590	4	H3

NOTE: KHSST taps for 3B class of fit are suitable for UNJ aerospace internal threading applications.
Refer to table on pages M202–M203 for the recommended pitch diameter limit for 2B or 3B class of fit.
*Made-to-order standard item. Standard pricing, manufacturing lead time, and minimum order quantity applies.