



MASTER CATALOG 2018

VOLUME TWO | **ROTATING TOOLS**



HOLEMAKING | TAPPING | SOLID END MILLING | INDEXABLE MILLING

➤ Pipe Taps



High-Performance Pipe Taps for Through-Hole and Blind-Hole Applications

- Steel and steel alloys.
- Stainless steel.
- Aluminum.

Multipurpose HSS-E GOtap™ Taps

- NPT and NPTF taper pipe taps with standard projections and standard chamfers for ductile materials and mold steels.
- DIN EN ISO 228 G straight pipe taps with Whitworth thread form for ductile materials.
- 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

- Manufactured with select high-speed steel (HSS).
- Ground thread pipe taps are standard in American Standard Taper pipe threads (NPT), Dryseal American Standard Taper pipe threads (NPTF), American Standard Straight pipe threads (NPS), and American Standard Dryseal Fuel Straight pipe threads (NPSF).

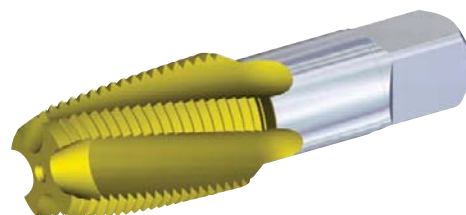
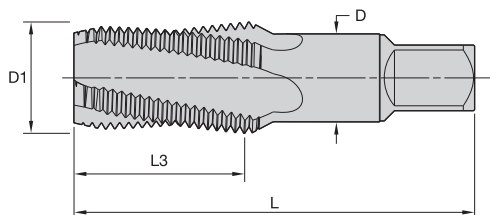


Multipurpose Taps

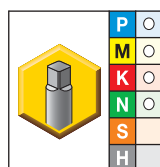
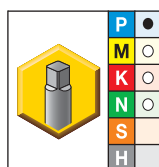
G0tap™ Spiral-Flute HSS-E Pipe Taps



- KSU31 TiN
- KSP39 oxide



■ T854 • Standard Chamfer • Standard Projection

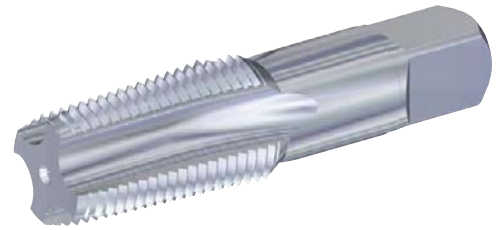
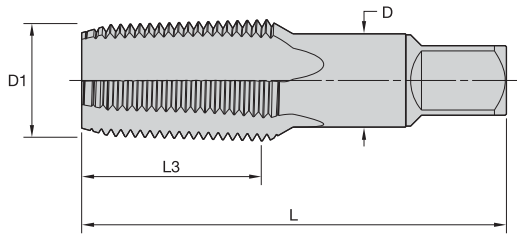


- first choice
- alternate choice

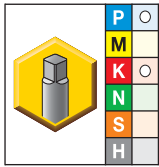
Tapping

KSU31	KSP39	D1 size	L	L3	D	number of flutes	thread type
T854NPT00625-27R-A	T854NPT00625-27R-A	1/16 - 27	2.13	.69	.313	4	NPT
—	T854NPTF00625-27R-A	1/16 - 27	2.13	.69	.313	4	NPTF
T854NPT01250-27R-AS	T854NPT01250-27R-AS	1/8 - 27	2.13	.75	.313	4	NPT
T854NPTF01250-27R-AS	T854NPTF01250-27R-AS	1/8 - 27	2.13	.75	.313	4	NPTF
T854NPT01250-27R-A	T854NPT01250-27R-A	1/8 - 27	2.13	.75	.438	4	NPT
T854NPTF01250-27R-A	T854NPTF01250-27R-A	1/8 - 27	2.13	.75	.438	4	NPTF
T854NPT02500-18R-A	T854NPT02500-18R-A	1/4 - 18	2.44	1.03	.563	4	NPT
T854NPTF02500-18R-A	T854NPTF02500-18R-A	1/4 - 18	2.44	1.03	.563	4	NPTF
T854NPT03750-18R-A	T854NPT03750-18R-A	3/8 - 18	2.56	1.03	.700	4	NPT
T854NPTF03750-18R-A	T854NPTF03750-18R-A	3/8 - 18	2.56	1.03	.700	4	NPTF
T854NPT05000-14R-A	T854NPT05000-14R-A	1/2 - 14	3.13	1.38	.688	4	NPT
T854NPTF05000-14R-A	T854NPTF05000-14R-A	1/2 - 14	3.13	1.38	.688	4	NPTF
T854NPT07500-14R-A	T854NPT07500-14R-A	3/4 - 14	3.25	1.38	.906	4	NPT
—	T854NPTF07500-14R-A	3/4 - 14	3.25	1.38	.906	4	NPTF
T854NPT10000-11.5R-A	T854NPT10000-11.5R-A	1 - 11 1/2	3.75	1.75	1.125	4	NPT
—	T854NPTF10000-11.5R-A	1 - 11 1/2	3.75	1.75	1.125	4	NPTF

- KSU30 bright



■ T846 • NPT • Standard Chamfer • Standard Projection



- first choice
- alternate choice

KSU30	D1 size	L	L3	D	number of flutes	thread type
T846NPT01250-27R-AS	1/8 - 27	2.13	.75	.313	4	NPT
T846NPT02500-18R-A	1/4 - 18	2.44	1.03	.563	4	NPT
T846NPT03750-18R-A	3/8 - 18	2.56	1.03	.700	4	NPT
T846NPT05000-14R-A	1/2 - 14	3.13	1.38	.688	4	NPT
T846NPT07500-14R-A	3/4 - 14	3.25	1.38	.906	5	NPT

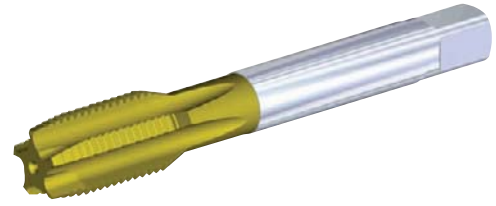
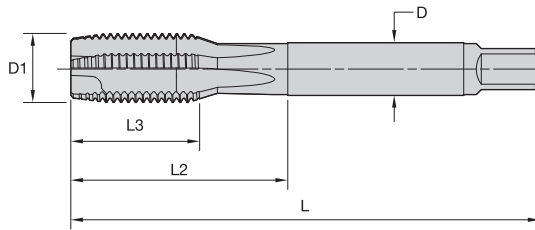


Multipurpose Taps

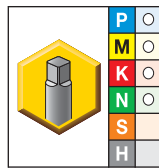
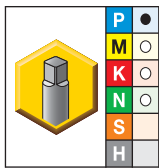
G0tap™ Spiral-Point HSS-E ISO Pipe Taps • Through Holes



- KSU31 TiN
- KSP39 oxide



■ T877 • (G) Whitworth Pipe Thread • DIN EN ISO 228 • Form B

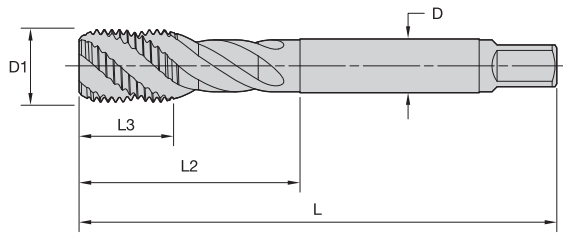


- first choice
- alternate choice

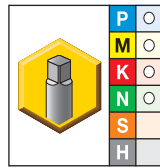
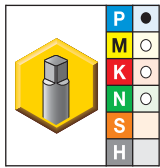
Tapping

	KSU31	KSP39	D1 size	L	L3	L2	D	number of flutes	thread type
	T877G01250-28R-D56	T877G01250-28R-D56	1/8 - 28	90	15	35	7	3	G
	T877G02500-19R-D56	T877G02500-19R-D56	1/4 - 19	100	22	44	11	3	G
	T877G03750-19R-D56	T877G03750-19R-D56	3/8 - 19	100	22	47	12	4	G
	T877G05000-14R-D56	T877G05000-14R-D56	1/2 - 14	125	25	55	16	4	G
	T877G06250-14R-D56	T877G06250-14R-D56	5/8 - 14	125	25	61	18	4	G
	T877G07500-14R-D56	T877G07500-14R-D56	3/4 - 14	140	25	60	20	4	G
	T877G08750-14R-D56	T877G08750-14R-D56	7/8 - 14	150	28	68	22	4	G
	T877G10000-11R-D56	T877G10000-11R-D56	1 - 11	160	30	68	25	5	G

- KSU31 TiN
- KSP39 oxide



■ T857 • (G) Whitworth Pipe Thread • DIN EN ISO 228 • Form C • Tension/Compression Holders



- first choice
- alternate choice

KSU31	KSP39	D1 size	L	L3	L2	D	number of flutes	thread type
T857G01250-28R-D56	T857G01250-28R-D56	1/8 - 28	90	15	37	7	3	G
T857G02500-19R-D56	T857G02500-19R-D56	1/4 - 19	100	15	44	11	3	G
T857G03750-19R-D56	T857G03750-19R-D56	3/8 - 19	100	15	47	12	4	G
T857G05000-14R-D56	T857G05000-14R-D56	1/2 - 14	125	18	55	16	4	G
T857G06250-14R-D56	T857G06250-14R-D56	5/8 - 14	125	18	61	18	4	G
T857G07500-14R-D56	T857G07500-14R-D56	3/4 - 14	140	20	65	20	4	G
T857G08750-14R-D56	T857G08750-14R-D56	7/8 - 14	150	22	68	22	4	G
T857G10000-11R-D56	T857G10000-11R-D56	1 - 11	160	24	74	25	5	G

NOTE: Suitable for tension/compression holders.

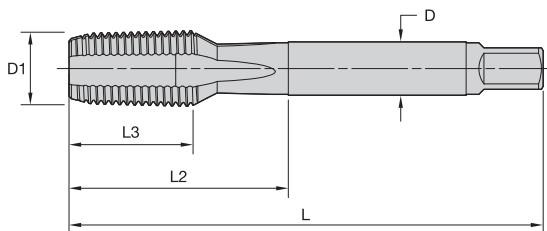


Multipurpose Taps

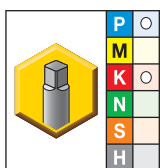
GOtap™ Straight-Flute HSS-E American National Taper Pipe Taps • Through and Blind Holes



• KSU30 bright



■ T848 • NPT and NPTF • Standard Projection • Form C

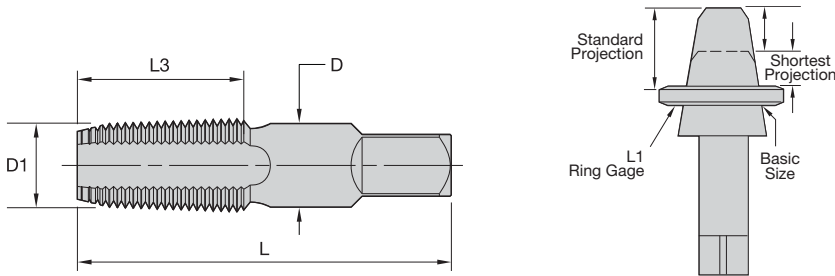


● first choice
○ alternate choice

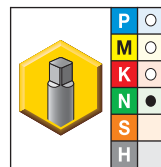
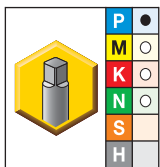
Tapping

KSU30	D1 size	L	L3	L2	D	number of flutes	thread type
T848NPT00625-27R-D56	1/16 - 27	90	13	35	6	3	NPT
T848NPTF00625-27R-D56	1/16 - 27	90	13	35	6	3	NPTF
T848NPT01250-27R-D56	1/8 - 27	90	13	36	7	4	NPT
T848NPTF01250-27R-D56	1/8 - 27	90	13	36	7	4	NPTF
T848NPT02500-18R-D56	1/4 - 18	100	20	39	11	4	NPT
T848NPTF02500-18R-D56	1/4 - 18	100	20	39	11	4	NPTF
T848NPT03750-18R-D56	3/8 - 18	110	20	39	12	4	NPT
T848NPTF03750-18R-D56	3/8 - 18	110	20	39	12	4	NPTF
T848NPT05000-14R-D56	1/2 - 14	125	26	56	16	4	NPT
T848NPTF05000-14R-D56	1/2 - 14	125	26	56	16	4	NPTF
T848NPT07500-14R-D56	3/4 - 14	140	26	55	20	4	NPT
T848NPTF07500-14R-D56	3/4 - 14	140	26	55	20	4	NPTF
T848NPT10000-11,5R-D56	1 - 11 1/2	160	32	71	25	5	NPT
T848NPTF10000-11,5R-D56	1 - 11 1/2	160	32	71	25	5	NPTF

- Manufactured from select high-speed steel.
- Ground thread pipe taps are standard in American Standard Pipe Form (NPT) and American Standard Dryseal Pipe Thread Form (NPTF).
- NPT threads require the use of a sealer, such as Teflon® tape or pipe compound.
- NPTF dryseal threads give a pressure-tight joint without the use of sealer.
- The nominal size of a pipe tap is that of the pipe fitting to be tapped, not the actual size of the tap; thread taper is 3/4" per foot.
- Alternate tap coatings are available as stock modifications.



KHSST Taper Pipe Tap • Chamfer 2-1/2-3-1/2 Pitches



- first choice
- alternate choice

TiN	uncoated	D1 size	L	L3	D	number of flutes	thread type
KHSST09137	KHSST28443	1/16 - 27	2.13	.69	.313	4	NPT/ANPT
KHSST09140	KHSST08703	1/8 - 27	2.13	.75	.313	4	NPT/ANPT
KHSST28141	KHSST08705	1/8 - 27	2.13	.75	.313	4	NPTF
KHSST28139	KHSST08704	1/8 - 27	2.13	.75	.438	4	NPT/ANPT
KHSST28140	—	1/8 - 27	2.13	.75	.438	4	NPTF
KHSST09143	KHSST08709	1/4 - 18	2.44	1.06	.563	4	NPT/ANPT
—	KHSST28445	1/4 - 18	2.44	1.06	.563	4	NPTF
KHSST28142	KHSST28446	3/8 - 18	2.56	1.06	.700	4	NPT/ANPT
—	KHSST08712	3/8 - 18	2.56	1.06	.700	4	NPTF
KHSST09147	KHSST08715	1/2 - 14	3.13	1.66	.687	4	NPT/ANPT
KHSST28060	KHSST28444	1/2 - 14	3.13	1.66	.687	4	NPTF
KHSST28178	KHSST28177	3/4 - 14	3.25	1.38	.906	5	NPT/ANPT
—	KHSST28181	3/4 - 14	3.25	1.38	.906	5	NPTF
—	KHSST28107	1 - 11 1/2	3.75	1.75	1.125	5	NPTF
KHSST09151	KHSST28106	1 - 11 1/2	3.75	1.75	1.125	5	NPT/ANPT
—	KHSST08724	1 1/4 - 11 1/2	4.00	1.75	1.313	5	NPT/ANPT
—	KHSST28002	1 1/2 - 11 1/2	4.25	3.00	1.500	7	NPT/ANPT
—	KHSST28109	2 - 11 1/2	4.25	1.75	1.875	7	NPT/ANPT

* Pipe tap projection is the distance the small end of the tap projects through an American National Standard Pipe Tap Thread Ring Gage.
NOTE: ANPT Taps marked NPT may be used for NPT and ANPT applications.

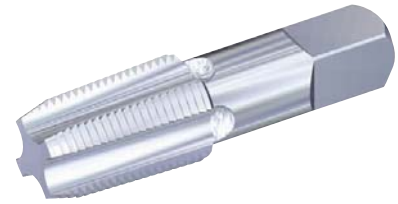
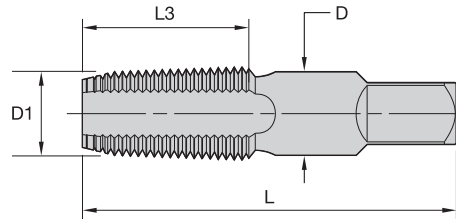


General-Purpose Taps

NPS and NPSF Straight-Pipe Taps

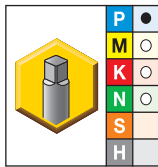


- Manufactured from select tap high-speed steel.
- Ground thread pipe taps are standard in American National Standard Straight Pipe (NPS) thread form and American National Standard Dryseal Straight Pipe (NPSF) thread form.
- NPS threads are suitable for tapping holes or couplings for low-pressure work when used with a sealer; also suitable for NPSC and NPSM work.
- NPSF dryseal taps are intended for low-pressure work, such as fuel and oil lines, where a sealer is not used.
- Dryseal threads give a low-pressure, pressure-tight joint without the use of sealer.



■ KHSST Straight Pipe • Chamfer 2-1/2-3-1/2 Pitches

Tapping



- first choice
- alternate choice

uncoated	D1 size	L	L3	D	number of flutes	thread series
KHSST28091	1/8 - 27	2.13	.75	.313	4	NPS
KHSST28093 *	1/8 - 27	2.13	.75	.313	4	NPSF
KHSST28092 *	1/8 - 27	2.13	.75	.438	4	NPS
KHSST28094	1/8 - 27	2.13	.75	.438	4	NPSF
KHSST28067	1/4 - 18	2.44	1.06	.563	4	NPS
KHSST28068	1/4 - 18	2.44	1.06	.563	4	NPSF
KHSST28196	3/8 - 18	2.56	1.06	.700	4	NPS
KHSST28197	3/8 - 18	2.56	1.06	.700	4	NPSF
KHSST28057	1/2 - 14	3.13	1.66	.688	4	NPS
KHSST28058	1/2 - 14	3.13	1.66	.688	4	NPSF
KHSST28172	3/4 - 14	3.25	1.38	.906	5	NPS
KHSST28173 *	3/4 - 14	3.25	1.38	.906	5	NPSF
KHSST28104	1 - 11 1/2	3.75	1.75	1.125	5	NPS

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