YG TAP GENERAL

T7509 SERIES

UNF

Unified fine threads

Unified Feingewinde
UNF
Unificato passo fine

Sets of taps
Gewindebohrer-Satz

▶ This tap is a serial hand tap in set, First and Bottoming.
▶ Bottoming tap of set has final internal thread dimensions only.

▶ Handgewindebohrersatz mit Vor- und Fertigschneider.
▶ Nur der Fertigschneider kann das gewünschte Gewinde schneiden.

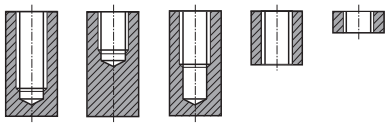
First

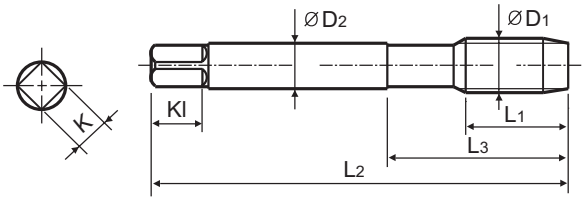


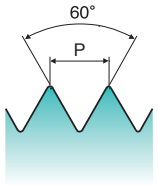
Bottoming

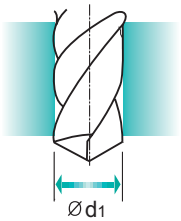


Hole type
2.0×D









Material groups GS | HSS | DIN 2181 | 2B | 60° | I/III | Bright

p.B309

Recommended ToolHolder
Plain Shank
TAPPING ER CHUCK
TAPPING CHUCK
ONE STEP TAPPING CHUCK

Unit : mm

SIZE ØD1	TPI	EDP No. Bright	Thread Length L1	Overall Length L2	Neck Length L3	Shank Diameter ØD2	Square Size K	Square Length Kl	No. of Flute Z	Tapping Drill Diameter Ød1
#4	48 UNF	T7509189	10	42	18	3.5	2.7	6	3	2.4
#5	44 UNF	T7509229	10	42	18	3.5	2.7	6	3	2.7
#6	40 UNF	T7509269	11	45	18	4	3	6	3	3
#8	36 UNF	T7509309	12	48	23	4.5	3.4	6	3	3.5
#10	32 UNF	T7509349	14	52	22	6	4.9	8	3	4.1
#12	28 UNF	T7509389	16	56	24	6	4.9	8	3	4.7
1/4	28 UNF	T7509429	16	56	24	6	4.9	8	3	5.5
5/16	24 UNF	T7509469	17	63	27	6	4.9	8	3	6.9
3/8	24 UNF	T7509509	18	63	27	7	5.5	8	4	8.5
7/16	20 UNF	T7509549	20	70	32	8	6.2	9	4	9.9
1/2	20 UNF	T7509589	20	70	32	9	7	10	4	11.5
9/16	18 UNF	T7509629	20	70	32	11	9	12	4	12.9
5/8	18 UNF	T7509669	20	70	32	12	9	12	4	14.5
3/4	16 UNF	T7509729	22	80	38	14	11	14	4	17.5
7/8	14 UNF	T7509769	22	80	38	18	14.5	17	4	20.5
1	12 UNF	T7509809	22	90	40	18	14.5	17	4	23.25
1-1/8	12 UNF	T7509849	22	90	40	22	18	21	4	26.5

◎ : Excellent ○ : Good

ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	○	○	○	○		○	○										○	○		

ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400Rm	1050Rm	550	630	400	550
Recommended					○	○	○														

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