



WIDIA GTD



High-Performance Spiral-Point Taps

- Right-hand thread direction
- Plug chamfer

High-performance spiral-point taps create internal threads in through holes and are harder and more wear-resistant than general purpose spiral-point taps. They provide better precision and accuracy than general purpose spiral-point taps when used for threading holes in designated materials.



Nickel & Titanium Tapping,
Bright (Uncoated)
UNC, 2 Flutes
4GT93

Threading Notes in Designated Materials.																							
Thread Size	Thread Length	Overall Length	Thread Limit / Class of Fit	Brand	Item No.	Thread Size	Thread Length	Overall Length	Thread Limit / Class of Fit	Brand	Item No.	Thread Size	Thread Length	Overall Length	Thread Limit / Class of Fit	Brand	Item No.						
Multiple Materials Tapping, Black Oxide						Nickel & Titanium Tapping, Bright (Uncoated) (Cont.)						Steel Tapping, Unified Thread Standard, Bright (Uncoated) (Cont.)											
Metric Coarse, 3 Flutes						UNC, 3 Flutes						Metric Fine, 5 Flutes											
M3x0.5	6.00 mm	49.00 mm	D3 / JIS 2	OSG	2PJ55	3/8"-16	1 1/4 in	2 1/8 in	H2 / 2B	Widia GTD	46V02	M25x1.5	26.00 mm	140.00 mm	6H / H3	Walter Prototyp	428X52						
M4x0.7	8.00 mm	54.00 mm	D4 / JIS 2	OSG	2PJ53	1/2"-14	1 1/2 in	3 3/8 in	H2 / H3	Widia GTD	46V04	M30x2	26.00 mm	150.00 mm	6H	Walter Prototyp	428X60						
M5x0.8	9.00 mm	60.00 mm	D4	OSG	2PJ03	1/2"-13	1 1/2 in	3 3/8 in	H2 / JIS 2	Widia GTD	46V06	M32x2	26.00 mm	150.00 mm	6H / H3	Walter Prototyp	428X62						
M6x1	11.00 mm	63.00 mm	D5	OSG	2PJ07	3/4"-11	1 3/4 in	3 1/8 in	H2 / 2B	Widia GTD	46V08	M33x2	28.00 mm	160.00 mm	6H	Walter Prototyp	428X64						
M8x1.25	15.00 mm	69.00 mm	D5 / H3	OSG	2PJ08	3/4"-10	1 3/4 in	4 1/4 in	H2 / 2B	Widia GTD	46V10	M36x3	39.00 mm	200.00 mm	D7, D8	Walter Prototyp	428X68						
M10x1.5	18.00 mm	74.00 mm	D6 / 6H	OSG	2PJF9	UNF, 2 Flutes						M39x2	28.00 mm	170.00 mm	6H	Walter Prototyp	428X70						
M12x1.75	21.00 mm	85.00 mm	D6 / 6H	OSG	2PJF3	#10-32	1/2 in	2 1/2 in	H2 / H3	Widia GTD	46T94	M42x3	42.00 mm	200.00 mm	D7, D8	Walter Prototyp	428X75						
M16x2	24.00 mm	96.00 mm	D7 / 2B	OSG	2PJC3	1/4"-28	1 in	2 1/2 in	H2 / 6H	Widia GTD	46T98	M48x3	45.00 mm	225.00 mm	6H / H3	Walter Prototyp	428X78						
M22x2.5	30.00 mm	119.00 mm	D8	OSG	2PJC5	1/4"-24	1 1/8 in	2 3/8 in	H2 / H3	Widia GTD	46V01	Metric Fine, 5 Flutes											
Metric Coarse, 4 Flutes						UNF, 3 Flutes						Metric Fine, 5 Flutes											
M24x3	36.00 mm	124.00 mm	D8 / JIS 2	OSG	2PJ01	3/8"-24	1 1/4 in	2 1/8 in	H2 / 6H	Widia GTD	46V03	M38x1.5	28.00 mm	170.00 mm	6H / H3	Walter Prototyp	428X69						
M30x3.5	42.00 mm	138.00 mm	D9	OSG	2PJ09	1/2"-20	1 1/2 in	3 3/8 in	H2 / 6H	Widia GTD	46V05	M42x1.5	28.00 mm	170.00 mm	6H / H3	Walter Prototyp	428X73						
Metric Fine, 3 Flutes						BSW, 3 Flutes						Metric Fine, 5 Flutes											
M8x1	15.00 mm	69.00 mm	D5 / 6H	OSG	2PJ04	1/2"-12	1 1/2 in	4 5/8 in	—	Walter Prototyp	429C46	M38x1.5	28.00 mm	170.00 mm	6H / H3	Walter Prototyp	428X69						
M8x1	17.50 mm	68.70 mm	D5 / 6H	Widia GTD	2XTH9	UNF, 4 Flutes						M42x1.5	28.00 mm	170.00 mm	6H / H3	Walter Prototyp	428X73						
M8x1.25	17.50 mm	68.90 mm	D5 / H3	Widia GTD	2XTJ1	1"-8	36.00 mm	160.00 mm	—	Walter Prototyp	429C45	M45x1.5	28.00 mm	180.00 mm	6H / H3	Walter Prototyp	428X76						
M10x1.25	18.90 mm	74.10 mm	D5 / JIS 2	Widia GTD	2XTJ2	Metric, 2 Flutes						UNC, 3 Flutes											
M10x1.5	19.10 mm	74.30 mm	D6 / 6H	Widia GTD	2XTJ3	M2x0.4	11.11 mm	44.45 mm	JIS 2	Widia GTD	1C779	1/4"-20	15.00 mm	80.00 mm	H5, H6 / H3	Walter Prototyp	428Z17						
M12x1.25	23.90 mm	85.80 mm	D6 / 6H	Widia GTD	2XTJ4	M3x0.5	15.88 mm	49.21 mm	JIS 2	Widia GTD	1C783	5/16"-18	18.00 mm	90.00 mm	H4, H5 / H3	Walter Prototyp	428Z24						
M12x1.5	23.90 mm	85.90 mm	D6 / 6H	Widia GTD	2XTJ5	M4x0.7	19.05 mm	53.98 mm	JIS 2	Widia GTD	1C787	3/8"-16	20.00 mm	100.00 mm	H4, H5 / JIS 2	Walter Prototyp	428Z21						
M14x1.5	25.40 mm	91.20 mm	D6	Widia GTD	2XTJ6	M5x0.8	22.23 mm	60.33 mm	D4	Widia GTD	1C793	1/2"-13	23.00 mm	110.00 mm	H5, H6 / JIS 2	Walter Prototyp	428Z34						
M16x1.5	24.00 mm	96.00 mm	D6 / 2B	OSG	2PJF7	M6x1	25.40 mm	63.50 mm	D5	Widia GTD	1C795	5/8"-11	25.00 mm	110.00 mm	H5, H6 / 2B	Walter Prototyp	428Z36						
M16x1.5	27.70 mm	96.80 mm	D6 / 2B	Widia GTD	2XTJ8	M6.3x1	25.40 mm	63.50 mm	D5 / H3	Widia GTD	53MM66	3/4"-10	30.00 mm	125.00 mm	H6, H7 / 2B	Walter Prototyp	428Z35						
M16x2	27.70 mm	96.80 mm	D7 / 2B	Widia GTD	2XTJ9	M8x1.25	28.58 mm	69.06 mm	H3	Widia GTD	1C801	7/8"-9	30.00 mm	140.00 mm	H6, H7 / 2B	Walter Prototyp	428Z38						
M18x1.5	27.70 mm	102.40 mm	D6	Widia GTD	2XTK1	Metric, 3 Flutes						UNC, 4 Flutes											
M22x1.5	30.00 mm	119.00 mm	D6	OSG	2PJC2	M20x2.5	50.80 mm	113.54 mm	D7	Widia GTD	1C815	1 1/4"-6	48.00 mm	200.00 mm	2B / JIS 2	Walter Prototyp	428Z32						
M24x2	31.00 mm	124.70 mm	D7	Widia GTD	53NC51	M10x1.5	31.75 mm	74.61 mm	D6 / 6H	Widia GTD	1C803	1 1/2"-6	48.00 mm	200.00 mm	2B / JIS 2	Walter Prototyp	428Z31						
Metric Fine, 4 Flutes						M12x1.75	42.06 mm	85.85 mm	D6 / 6H	Widia GTD	1C805	UNC, UNJC, 2 Flutes											
M24x1.5	36.00 mm	124.00 mm	D6	OSG	2PJ02	M14x2	42.06 mm	91.19 mm	D7 / 6H	Widia GTD	1C807	#2-56	1/8 in	1 3/4 in	H2 / JIS 2	Widia GTD	4AKH2						
UNC, 2 Flutes						M16x2	46.05 mm	96.77 mm	D7 / 2B	Widia GTD	1C809	#3-48	1/2 in	1 1/4 in	H2 / JIS 2	Widia GTD	4AKH3						
#6-32	3/8 in	2 in	H3 / H3	OSG	2PHU8	Metric Coarse, 3 Flutes						#4-40	3/8 in	1 1/2 in	H2 / JIS 2	Widia GTD	4AKH4						
#6-32	3/8 in	1 3/8 in	H3 / H3	Widia GTD	1W182	M10x1.5	20.00 mm	100.00 mm	D4, D5 / 6H	Walter Prototyp	428R92	#5-40	3/8 in	1 1/4 in	H2 / H3	Widia GTD	4AKH5						
#8-32	3/8 in	2 3/8 in	H3 / JIS 2	Widia GTD	1W184	Metric Coarse, 4 Flutes						#6-32	1/2 in	2 in	H3 / H3	Widia GTD	4AKH6						
UNC, 3 Flutes						M27x3	36.00 mm	160.00 mm	D7, D8	Walter Prototyp	428U69	#6-32	1/2 in	2 in	H2 / H3	Widia GTD	4CPJ1						
#8-32	3/8 in	2 3/8 in	H3 / JIS 2	OSG	2PHW4	M30x3.5	35.00 mm	180.00 mm	D8, D9	Walter Prototyp	428U71	#8-32	3/4 in	2 1/8 in	H3 / JIS 2	Widia GTD	4AKH7						
#10-24	3/8 in	2 1/2 in	H3 / H3	OSG	2PHW7	M33x3.5	42.00 mm	180.00 mm	D8, D9	Walter Prototyp	428U72	#8-32	3/4 in	2 1/8 in	H2 / JIS 2	Widia GTD	4CPJ3						
1/4"-20	3/8 in	2 1/2 in	H5 / H3	OSG	2PHR8	M36x4	48.00 mm	200.00 mm	D8, D9	Walter Prototyp	428U73	#10-24	7/8 in	2 3/8 in	H3 / H3	Widia GTD	4AKH8						
1/4"-20	3/8 in	2 1/2 in	H3 / H3	Widia GTD	1W188	M39x4	48.00 mm	200.00 mm	D8, D9	Walter Prototyp	428U74	#10-24	7/8 in	2 3/8 in	H2 / H3	Widia GTD	4CPJ5						
1/4"-20	3/8 in	2 1/2 in	H5 / H3	Widia GTD	1W1558	M42x4.5	54.00 mm	200.00 mm	D8, D9	Walter Prototyp	428U76	#12-24	1 1/8 in	2 3/8 in	H3	Widia GTD	4CPJ7						
1/4"-20	3/8 in	2 1/2 in	H3 / H3	Widia GTD	53NP61	M45x4.5	54.00 mm	220.00 mm	D8, D9 / H3	Walter Prototyp	428U77	1/4"-20	1 in	2 1/2 in	H3 / H3	Widia GTD	4AKK0						
5/8"-18	3/4 in	2 3/8 in	H3 / H3	OSG	2PHP9	M48x5	60.00 mm	250.00 mm	D10, D9 / H3	Walter Prototyp	428U78	1/4"-20	1 in	2 1/2 in	H5 / H3	Widia GTD	4CPK1						
3/4"-16	3/4 in	2 3/8 in	H3 / H3	OSG	2PHP6	M56x5.5	66.00 mm	250.00 mm	6H / H3	Walter Prototyp	428U81	1/4"-20	1 in	2 1/2 in	H2 / H3	Widia GTD	4CPJ8						
3/4"-16	3/4 in	2 1/8 in	H3	Widia GTD	1W196	Metric Fine, 3 Flutes						1/4"-20	1 in	2 1/2 in	H1 / H3	Widia GTD	53MM96						
3/4"-16	3/4 in	2 3/8 in	H5	OSG	2PJ2A	5/8"-11	1 1/8 in	3 1/8 in	H3 / 2B	Widia GTD	1C771	1/4"-20	1 in	2 1/2 in	H3 / H3	Widia GTD	2XTW4						
3/4"-16	3/4 in	6 in	H3	Widia GTD	53NP65	3/4"-10	2 in	4 1/4 in	H3	Widia GTD	1C775	5/8"-18	1 1/8 in	2 3/8 in	H3 / H3	Widia GTD	4AKK2						
1/2"-14	7/8 in	3 3/8 in	H3 / H3	Widia GTD	1W200	M10x1	20.00 mm	90.00 mm	6G / 6H	Walter Prototyp	428X94	5/8"-18	1 1/8 in	2 3/8 in	H1 / H3	Widia GTD	53MM89						
1/2"-13	7/8 in	3 1/8 in	H3 / JIS 2	OSG	2PHT6	Metric Fine, 4 Flutes						5/8"-18	1 1/8 in	2 3/8 in	H2 / H3	Widia GTD	53MM88						
1/2"-13	1 1/8 in	3 3/8 in	H3 / JIS 2	Widia GTD	1W204	M12x0.5	21.00 mm	100.00 mm	6H / H3	Walter Prototyp	428X31	5/8"-18	1 1/8 in	6 in	H3 / H3	Widia GTD	2XTW6						
9/16"-12	1 in	3 3/8 in	H3	Widia GTD	1W216	M12x1.5	21.00 mm	100.00 mm	D5, D6 / 6H	Walter Prototyp	428W99	UNC, UNJC, 3 Flutes											
5/8"-11	1 1/8 in	3 3/8 in	H3 / 2B	OSG	2PHU4	M14x1	21.00 mm	100.00 mm	6H / H3	Walter Prototyp	428X35	1/4"-20	1 in	2 1/2 in	H3 / H3	Widia GTD	4CPJ9						
5/8"-11	1 1/8 in	3 3/8 in	H3 / 2B	Widia GTD	1W208	M14x1.25	21.00 mm	100.00 mm	D4, D5 / H3	Walter Prototyp	428X36	3/8"-16	1 1/4 in	2 1/8 in	H3	Widia GTD	4AKK4						
3/4"-10	1 3/8 in	4 1/4 in	H3	OSG	2PHU1	M18x1	24.00 mm	110.00 mm	6H / H3	Walter Prototyp	428X40	3/8"-16	1 1/4 in	2 1/8 in	H2	Widia GTD	53MM80						
7/8"-9	1 3/8 in	4 3/8 in	H5	OSG	2PHX3	M18x1.5	24.00 mm	110.00 mm	6H	Walter Prototyp	428X04	3/8"-16	1 1/4 in	2 1/8 in	H1	Widia GTD	53MM81						
UNC, 4 Flutes						Metric Fine, 3 Flutes						UNC, UNJC, 3 Flutes											
1"-8	1 1/2 in	5 3/8 in	H5	OSG	2PHX9	5/8"-11	1 1/8 in	3 1/8 in	H3 / 2B	Widia GTD	1C771	1/4"-20	1 in	2 1/2 in	H3 / H3	Widia GTD	4CPJ9						
2"-4-1/2	2 1/2 in	7 3/8 in	H7 / JIS 2	Widia GTD	53NC36	3/4"-10	2 in	4 1/4 in	H3	Widia GTD	1C775	3/8"-16	1 1/4 in	2 1/8 in	H3	Widia GTD	4AKK4						
UNF, 2 Flutes						M10x1	20.00 mm	90.00 mm	6G / 6H	Walter Prototyp	428X94	3/8"-16	1 1/4 in	2 1/8 in	H2	Widia GTD	53MM80						
#10-32	1/2 in	2 1/8 in	H3 / H3	Widia GTD	1W186	Metric Fine, 4 Flutes						3/8"-16	1 1/4 in	2 1/8 in	H1	Widia GTD	53MM81						
#10-32	1/2 in	6 in	H3 / H3	Widia GTD	53NP60	M12x0.5	21.00 mm	100.00 mm	6H / H3	Walter Prototyp	428X31	3/8"-16	1 1/4 in	2 1/8 in	H2	Widia GTD	53MM80						
UNF, 3 Flutes						M12x1.5	21.00 mm	100.00 mm	D5, D6 / 6H	Walter Prototyp	428W99	3/8"-16	1 1/4 in	2 1/8 in	H1	Widia GTD	53MM81						
#10-32	1/2 in	2 1/8 in	H3 / H3	OSG	2PHX2	M14x1	21.00 mm	100.00 mm	6H / H3	Walter Prototyp	428X35	3/8"-16	1 1/4 in	6 in	3B, H3 / 2B	Widia GTD	2XTW8						
3/8"-24	1 1/8 in	2 3/8 in	H3 / H3	Widia GTD	1W194	M14x1.25	21.00 mm	100.00 mm	D4, D5 / H3	Walter Prototyp	428X36	1/4"-14	1 1/8 in	3 3/8 in	H3 / H3	Widia GTD	4AKK6						
1/2"-20	1 1/2 in	3 1/8 in	H3 / 6H	OSG	2PHT7	M18x1	24.00 mm	110.00 mm	6H / H3	Walter Prototyp	428X40	1/2"-13	1 1/2 in	3 3/8 in	H3 / JIS 2	Widia GTD	4AKK8						
9/16"-18	1 in	3 3/8 in	H3 / 2B	OSG	2PHY6	M18x1.5	24.00 mm	110.00 mm	6H	Walter Prototyp	428X04	UNEF, 3 Flutes											
3/8"-18	1 1/8 in	3 3/8 in	H3 / 2B	OSG	2PHT8	M18x2	30.00 mm	125.00 mm	D6, D7 / H3	Walter Prototyp	428X42	1/2"-32	18.00 mm	90.00 mm	2B / H3	Walter Prototyp	429A23						
3/4"-18	1 3/8 in	4 1/4 in	H3	Widia GTD	1W214	M20x1.5	24.00 mm	125.00 mm	D5, D6	Walter Prototyp	428X05	UNEF, 4 Flutes											
3/4"-16	1 3/8 in	4 1/4 in	H3	OSG	2PHU2	M20x1.5	24.00 mm	125.00 mm	D5, D6	Walter Prototyp	428X44	5/8"-24	21.00 mm	100.00 mm	2B / 2B	Walter Prototyp	429A18						
3/4"-16	1 3/8 in	4 1/4 in	H4	Widia GTD	1W1536	M24x1.5	26.00 mm	140.00 mm	D5, D6	Walter Prototyp	428X50	5/8"-24	21.00 mm	100.00 mm	2B / 2B	Walter Prototyp	429A24						
UNF, 4 Flutes						Metric Fine, 3 Flutes						UNF, 2 Flutes											
1"-12	1 1/2 in	5 3/8 in	H4	OSG	2PHT2	5/8"-11	1 1/8 in	3 1/8 in	H3 / 2B	Widia GTD	1C771	#10-32	13.00 mm	70.00 mm	H2, H3 / H3	Walter Prototyp	428Z96						
1 1/4"-12	1 1/2 in	5 3/8 in	H5 / JIS 2	Widia GTD	53NC29	3/4"-10	2 in	4 1/4 in	H3	Widia GTD	1C775	UNC, 2 Flutes											
1 1/4"-12	2 1/8 in	5 3/8 in	H5	OSG	2PHX6	Nickel & Titanium Tapping, Bright (Uncoated)						UNC, 2 Flutes											
UNC, 2 Flutes						UNC, 2 Flutes						UNC, 2 Flutes											
#4-40	3/8 in	1 1/2 in	H2 / JIS 2	Widia GTD	4GT84	M2x0.4	11.11 mm	44.45 mm	JIS 2	Widia GTD	1C779	1/4"-20	15.00 mm	80.00 mm	H5, H6 / H3	Walter Prototyp	428Z17						
#6-32	1/2 in	2 in	H2 / H3	Widia GTD	4GT89	M3x0.5	15.88 mm	49.21 mm	JIS 2	Widia GTD	1C783	5/16"-18	18.00 mm	90.00 mm	H4, H5 / H3	Walter Prototyp	428Z24						
#8-32	3/4 in	2 1/2 in	H2 / JIS 2	Widia GTD	4GT91	M4x0.7	19.05 mm	53.98 mm	JIS 2														