



Being the best through innovation

**SPIRAL POINT TAPS
HSS-E & HSS**

**YG TAP
GENERAL**

- For General Purpose Through and Blind Hole Applications

SELECTION GUIDE



THREADING TOOLS

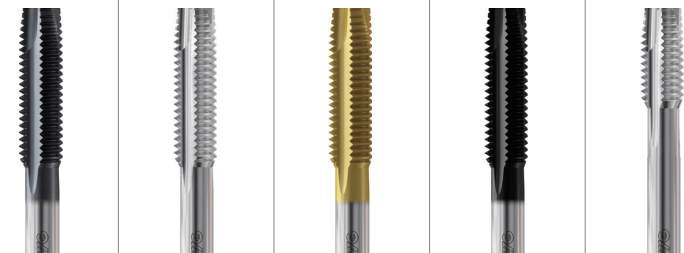
YG TAP GENERAL

HOLE TYPE		Max. 3.0xD Through Hole				
TOOL MATERIAL		HSS-E	HSS-E	HSS-E	HSS-E	HSS-E
FLUTE TYPE		Spiral Point				
SPIRAL FLUTE ANGLE		-	-	-	-	-
SERIES	M					
	M/MF					
	UNC					
	UNC/UNF	I9 (p.B243)	J0 (p.B243)	J1 (p.B243)	J7 (p.B243)	K9 (p.B245)
	UNC/UNF/UNS					
	UNC/UN8					
	NPT					
	NPTF					
NPS/NPSF						
SURFACE TREATMENT / COATING		Steam Oxide	Bright	TiN	HardSlick	Bright



Please visit globalyg1.com/mat for material search

⊙ : Excellent
○ : Good



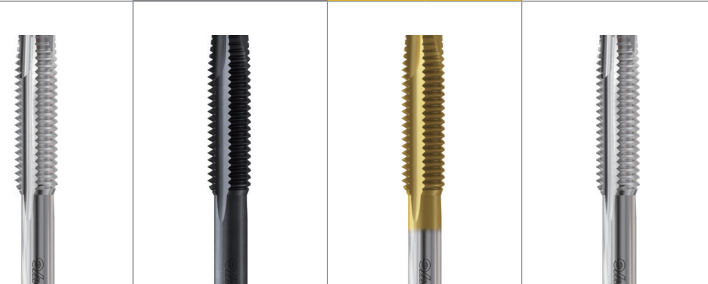
ISO	VDI 3323	Material Description	HB	HRC	Steam Oxide	Bright	TiN	HardSlick	Bright	
P	1	Non-alloy steel	125		⊙ 25-50	⊙ 25-50	⊙ 50-80	⊙ 50-80	⊙ 25-50	
	2		190	13	⊙ 25-50	⊙ 25-50	⊙ 50-80	⊙ 50-80	⊙ 25-50	
	3		250	25	⊙ 25-50	⊙ 25-50	⊙ 50-80	⊙ 50-80	⊙ 25-50	
	4		270	28	○ 6-30	○ 6-30	○ 10-35	○ 10-35	○ 6-30	
	5		300	32	○ 6-30	○ 6-30	○ 10-35	○ 10-35	○ 6-30	
	6	Low alloy steel	180	10	⊙ 6-30	⊙ 6-30	⊙ 10-35	⊙ 10-35	⊙ 6-30	
	7		275	29	○ 6-30	○ 6-30	○ 10-35	○ 10-35	○ 6-30	
	8		300	32	○ 6-30	○ 6-30	○ 10-35	○ 10-35	○ 6-30	
	9		350	38						
	10		High alloyed steel, and tool steel	200	15					
	11			325	35					
M	12	Stainless steel	200	15	○ 12-35	○ 12-35	○ 20-50	○ 20-50	○ 12-35	
	13		240	23	○ 12-35	○ 12-35	○ 20-50	○ 20-50	○ 12-35	
	14		180	10						
K	15	Grey cast iron	180	10						
	16		260	26						
	17	Nodular cast iron	160	3	○ 12-45	○ 12-45	○ 25-55	○ 25-55	○ 12-45	
	18		250	25	○ 12-45	○ 12-45	○ 25-55	○ 25-55	○ 12-45	
	19		Malleable cast iron	130						
20	230	21								
N	21	Aluminum-wrought alloy	60							
	22		100							
	23		75		○ 40-65	○ 40-65	○ 45-90	○ 45-90	○ 40-65	
	24	Aluminum-cast, alloyed	90		○ 40-65	○ 40-65	○ 45-90	○ 45-90	○ 40-65	
	25		130							
	26	Copper and Copper Alloys (Bronze / Brass)	110		○ 50-60	○ 50-60	○ 65-100	○ 65-100	○ 50-60	
	27		90		○ 30-65	○ 30-65	○ 30-65	○ 30-65	○ 30-65	
	28		100							
	29	Non Metallic Materials Duroplastic, Fiber Reinforced Plastic, Graphite, CFRP, GFRP, etc.								
	30									
S	31	Heat Resistant Super Alloys	200	15						
	32		280	30						
	33		250	25						
	34		350	38						
	35		320	34						
	36	Titanium Alloys	400 Rm							
	37		1050 Rm							
H	38	Hardened steel	550	55						
	39		630	60						
	40	Chilled Cast Iron	400	42						
	41	Hardened Cast Iron	550	55						

SELECTION GUIDE



THREADING TOOLS

		YG TAP GENERAL			
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TOOL MATERIAL		HSS	HSS	HSS	HSS
FLUTE TYPE		Spiral Point			
SPIRAL FLUTE ANGLE		-	-	-	-
SERIES	M				
	M/MF				
	UNC				
	UNC/UNF	T7216 (p.B250)	T6216 (p.B250)	T8216 (p.B250)	T7C16 (p.B254)
	UNC/UNF/UNS				
	UNC/UN8				
	NPT				
	NPTF				
NPS/NPSF					
SURFACE TREATMENT / COATING		Bright	Steam Oxide	TiN	Bright



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