



New Launch

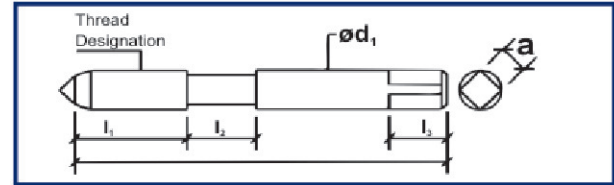
MIRANDA
EDGE

HIGH PERFORMANCE
PLATINUM CUT TAPS



HIGH PERFORMANCE PLATINUM CUT TAPS

ISO Metric HSS Ground Threads
Coarse and fine Pitch



HSS
M-2 /
M-35



Tolerance
4H / 6H

IS-6175
ISO-529
1993

Type	picture	Range	Series	Thread form	Blank Standard	Treatment	Material	Tapping type	Application
Straight Flute		M3-M12	MC 1	M	IS -6175/ISO 529	Bright	HSS-E	Blind/ Through	Medium to high tensile steel , Alloy steel , MS , general application
			MC2	M	IS -6175/ISO 529	TiN			
			MC3	M	IS -6175/ISO 529	TiAlN			
Straight Flute for cast Iron		M3-M12	CI MC 1	M	IS -6175/ISO 529	Bright	HSS-E	Blind/ Through	cast iron , SG iron , abrasive type steel
			CI MC 2	M	IS -6175/ISO 529	TiN			
			CI MC 3	M	IS -6175/ISO 529	TiAlN			
Spiral Point		M3-M12	MA 1	M	IS -6175/ISO 529	Bright	HSS-E	Through holes	Medium to high tensile steel , Alloy steel , MS , general application
			MA 2	M	IS -6175/ISO 529	TiN			
			MA3	M	IS -6175/ISO 529	TiAlN			
Spiral Flute		M3-M12	MB 1	M	IS -6175/ISO 529	Bright	HSS-E	Blind Holes	Medium to high tensile steel , Alloy steel , MS , general application
			MB2	M	IS -6175/ISO 529	TiN			
			MB3	M	IS -6175/ISO 529	TiAlN			

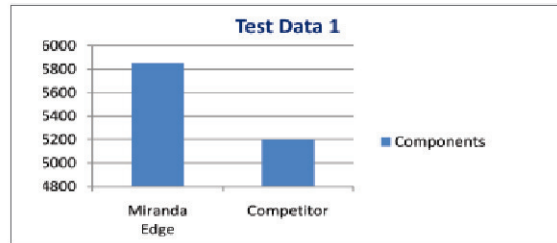
Thread Designation	Pitch	Shank Diameter (d ₁)	Thread Length (l ₁)	Recess Length (l ₂)	Overall Length (L)	Square		Tapping Drill dia
						Size (a)	Length (l ₃)	
M3	0.50	3.15	11.00	7.00	48.00	2.50	5.00	2.50
(M 3.5)	0.60	3.55	13.00	7.00	50.00	2.80	5.00	2.90
M4	0.70	4.00	13.00	8.00	53.00	3.15	6.00	3.30
M5	0.80	5.00	16.00	9.00	58.00	4.00	7.00	4.20
M6	1.00	6.30	19.00	11.00	66.00	5.00	8.00	5.00
(M8)	1.00	8.00	22.00	13.00	72.00	6.30	9.00	7.00
M8	1.25	8.00	22.00	13.00	72.00	6.30	9.00	6.80
(M10)	1.25	10.00	24.00	15.00	80.00	8.00	11.00	8.80
M10	1.50	10.00	24.00	15.00	80.00	8.00	11.00	8.50
M12	1.75	9.00	29.00	N.A.	89.00	7.10	10.00	10.30
M12	1.50	9.00	29.00	N.A.	89.00	7.10	10.00	10.50
M12	1.25	9.00	29.00	N.A.	89.00	7.10	10.00	10.80

Features :

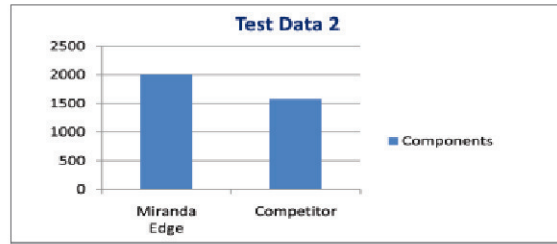
- General purpose high performance
- High performance new innovative design for excellent chip evacuation
- Increased static and dynamic strength of thread
- Excellent thread surface quality
- Premium grade steel - HSS-E for longer life
- Newly developed Surface treatment to withstand the high stress and high heat associated

Test Data

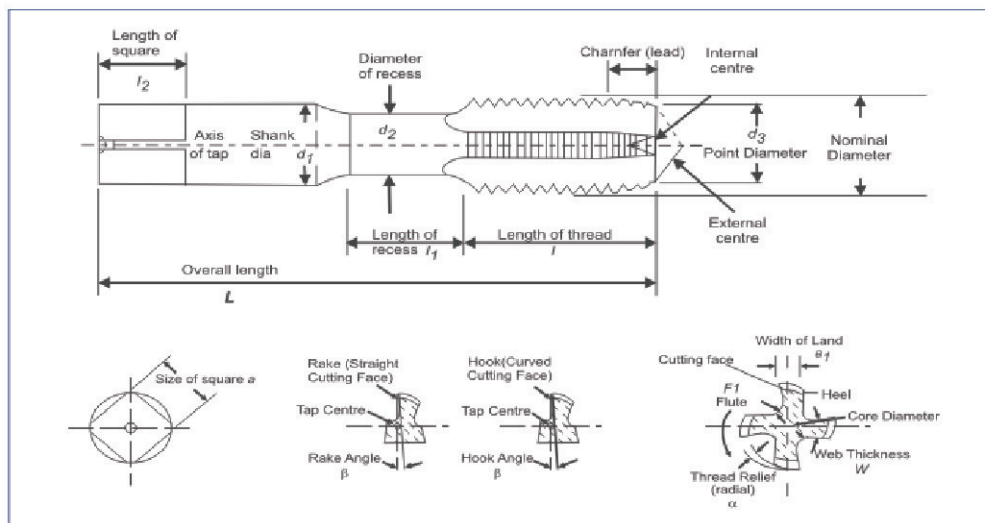
Tool Type	Platinum Cut Tap	Competitor
Components	5850	5200
Taps Size	M8x1.25 BTM CIMC 3	
Work Material	Cast Iron	
Components	Flywheel	
Operation	Tapping	
RPM	600	
Feed	750	
Machine	SPM	



Tool Type	Platinum Cut Tap	Competitor
Components	2000	1580
Taps Size	M8X1.25 SPIREX MB1	
Work Material	EN1A	
Components	SHAFT TRAVERS PIN	
Operation	TAPPING	
RPM	700	
Feed	875	
Machine	SPM	



TAP TERMINOLOGY



Recommended Parameter

Material	RC Value	HB value	Recommended Mtr / min	
			HSS-E	
			Uncoated	Coated
Structural steels, free-cutting steels Case hardened steels, heat-treatable steels	<20	<236	9-15	12-20
	<25	<256	9-13	11-18
	<30	<286	6-9	9-16
	<35	<326	5-8	6-10
	<38	<386	4-8	6-12
Stainless- and acid-resistant steels, sulphured austenitic martensitic	<25	<256	8-13	12-16
	<36	<286	6-9	9-12
	<35	<326	6-9	7-12
Alloyed case hardened steels Alloyed heat- treatable steels Alloyed tool steels High speed tool steels	<25	<256	3-6	6-9
	<36	<286	3-6	9-12
	<35	<326	8-10	9-15
	<38	<386	5-8	6-9
Cast iron Spheroidal graphite iron Malleable cast iron	<25	<186	3-5	4-9
	<35	<256	15-20	18-25
	<326	9-12	14-18	
Brass			5-10	6-12
			9-13	-
			9-15	-