

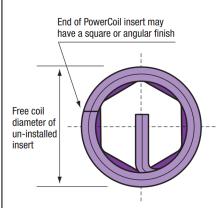
Insert Part Number		3534-8GX1.5DSL
Insert Thread Form		Unified National Fine - UNF
Nominal Thread Size		8 X 36
Insert Length Q (installed)	D	1.5D
Insert Length Q (installed)	inch	0.2460
Insert Material		304 Stainless Steel
Insert Coating/Plating		-
Military Standard	#	MS21209-F0815
National Aerospace Standard	#	NASM21209-F0815
Federal Stock	#	-
National Stock / NATO	#	5325-00-324-9146

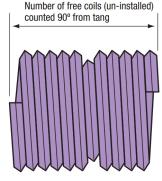
Optimum thread performance with Wire Thread Inserts is achieved when the inserts are installed 1/2 to 1 pitch below the surface of the tapped hole. This means that the actual length of an installed insert is equal to dimension Q less 1/2 to 1 pitch. Dimensions S and T allow for tap end clearance of intermediate taps. When using Bottoming and Spiral Flute Taps these dimensions maybe reduced by an amount equal to 2 thread pitches. Any countersink depths must be added to these dimensions.

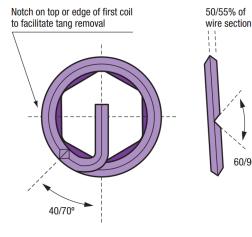
COMPATIBLE POWERCOIL INSTALLATION AND REMOVAL TOOLS				
TOOL TYPE	Part #			
Hand Installation Tool	-			
Tang Break Tool	3500-TB6			
Removal Tool	3500-RT1			
Machine Installation Tool	3534-8GMIT			
Mandrel Installation Tool	-			
Captive Prewinder Tool	3534-8GHIP			
Non-Captive Prewinder Tool	-			
Spring Loaded tang Break Tool	3500-STB5			
Pneumatic Front end assembly (FEA)	3534-8GMIP			
FEA Mandrel	3534-8GMIPM			
FEA Nozzle	3534-8GMIPN			
Pneumatic Tool	3500-MIP1			

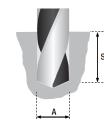
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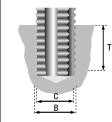
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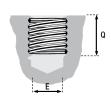




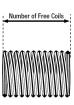
IMPORTANT The success of any drilling and tapping operation is dependant upon many factors -type of material being cut, cutting speed, coolant, equipment being used - and it is not possible to give specific drill sizes for each material. Drill sizes shown are recommendations only and PowerCoil would strongly suggest that independent testing be performed for specific and critical applications. When using wire thread inserts it is important that the drilling and tapping diameters and lengths shown are adhered to.

The figures outlined in these tables encompass effective free coil tolerances for most globally recognized standards and manufacturers, including those of reduced diameter wire thread inserts.

Number of Free Coils – the number of coils on an un-installed insert counted along the insert length 90° from the tang.







DRILLED HOLE DIMENSIONS INTERMEDIATE/PLUG TAP				
Drill Size	mm	4.40		
Drill Part Number		2007-4.40		
Drill Size inch	inch	11/64		
Drill Part Number inch		2006-11/64		
A Minor Diameter minimum	inch	0.170		
A Minor Diameter maximum	inch	0.175		
S Drilling Depth minimum	inch	0.371		

TAPPED HOLE DIMENSIONS					
STI		UNF 8 X 36			
-		-			
	inch	0.2001			
	inch	0.1820			
2B	inch	0.1839			
1B	inch	0.185			
	inch	0.343			
STI	Taper	3534-8GT			
STI	Intermediate	3534-8GI			
STI	Bottoming	3534-8GB			
STI	SpiralPoint	3534-8GSP			
STI	SpiralFlute	3534-8GSF			
	STI - 2B 1B STI STI STI STI	STI - inch inch 2B inch 1B inch inch STI Taper STI Intermediate STI Bottoming STI SpiralPoint			

INSERT SPECIFICATIONS	ERT SPECIFICATIONS			
E Fitted Minor Diameter	inch	0.1340		
Q Nominal Length Installed	inch	0.2460		
Free Coil Diameter minimum	inch	0.202		
Free Coil Diameter maximum	inch	0.224		
Free Coils minimum	#	6.10		
Free Coils maximum	#	6.90		