

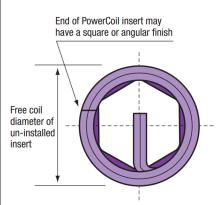
Insert Part Number		3534-7/16X1.0DSL	
Insert Thread Form		Unified National Fine - UNF	
Nominal Thread Size		7/16 X 20	
Insert Length Q (installed)	D	1.0D	
Insert Length Q (installed)	inch	0.4380	
Insert Material		304 Stainless Steel	
Insert Coating/Plating		-	
Military Standard	#	MS21209-F7-10	
National Aerospace Standard	#	NASM21209-F7-10	
Federal Stock	#	5340-716-9148	
National Stock / NATO	#	5325-00-716-9148	

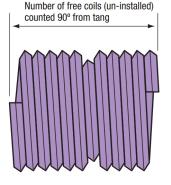
Optimum thread performance with Wire Thread Inserts is achieved when the inserts are installed 1/2 to 1 pitch below the surface of the tapped hole. This means that the actual length of an installed insert is equal to dimension Q less 1/2 to 1 pitch. Dimensions S and T allow for tap end clearance of intermediate 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.

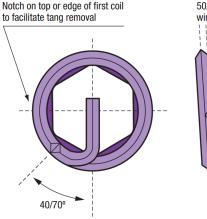
COMPATIBLE POWERCOIL INSTALLATION	AND REMOVAL TOOLS	
TOOL TYPE	Part #	
Hand Installation Tool	-	
Tang Break Tool	3500-TB14	
Removal Tool	3500-RT3	
Machine Installation Tool	3534-7/16MIT	
Mandrel Installation Tool	-	
Captive Prewinder Tool	3534-7/16HIP	
Non-Captive Prewinder Tool	-	
Spring Loaded tang Break Tool	3500-STB11	
Pneumatic Front end assembly (FEA)	3534-7/16MIP	
FEA Mandrel	3534-7/16MIPM	
FEA Nozzle	3534-7/16MIPN	
Pneumatic Tool	3500-MIP2	

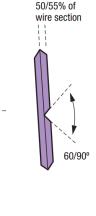
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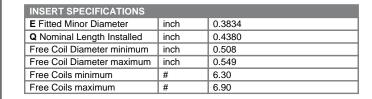


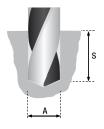


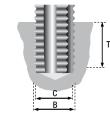


DRILLED HOLE DIMENSIONS INTERMEDIATE/PLUG TAP					
Drill Size	mm	11.50			
Drill Part Number		2007-11.50			
Drill Size inch	inch	29/64			
Drill Part Number inch		2006-29/64			
A Minor Diameter inimum	inch	0.448			
A Minor Diameter maximum	inch	0.456			
S Drilling Depth minimum	inch	0.662			

Т	TAPPED HOLE DIMENSIONS						
T	ap Size	STI		UNF 7/16 X 20			
Т	ap Size	-		-			
Е	3 Major Diameter		inch	0.5025			
C	Pitch Diameter MIN		inch	0.4700			
C	Pitch Diameter MAX	2B	inch	0.4731			
C	Pitch Diameter MAX	1B	inch	0.474			
T	Tapping Depth MIN		inch	0.612			
F	Power Coil Tap Part Number	STI	Taper	3534-7/16T			
F	Power Coil Tap Part Number	STI	Intermediate	3534-7/16I			
F	Power Coil Tap Part Number	STI	Bottoming	3534-7/16B			
F	Power Coil Tap Part Number	STI	SpiralPoint	3534-7/16SP			
F	Power Coil Tap Part Number	STI	SpiralFlute	3534-7/16SF			







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.

