

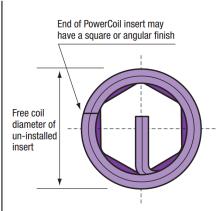
Insert Part Number		3534-5/8X3.0DSL
Insert Thread Form		Unified National Fine - UNF
Nominal Thread Size		5/8 X 18
Insert Length Q (installed)	D	3.0D
Insert Length Q (installed)	inch	1.8750
Insert Material		304 Stainless Steel
Insert Coating/Plating		-
Military Standard	#	MS21209-F1030
National Aerospace Standard	#	NASM21209-F1030
Federal Stock	#	-
National Stock / NATO	#	-

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	-
Removal Tool	3500-RT3
Machine Installation Tool	-
Mandrel Installation Tool	-
Captive Prewinder Tool	-
Non-Captive Prewinder Tool	3534-5/8HIP
Spring Loaded tang Break Tool	-
Pneumatic Front end assembly (FEA)	-
FEA Mandrel	-
FEA Nozzle	-
Pneumatic Tool	-

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**TAPPED HOLE DIMENSIONS** 

Tap Size

Tap Size

**B** Major Diameter

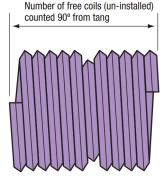
C Pitch Diameter MIN

C Pitch Diameter MAX

C Pitch Diameter MAX

T Tapping Depth MIN

Power Coil Tap Part Number



UNF 5/8 X 18

0.6972

0.6611

0.6646

0.666

2.069

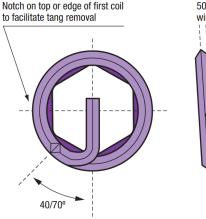
3534-5/8T

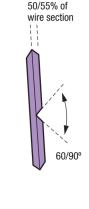
3534-5/81

3534-5/8B

3534-5/8SP

3534-5/8SF





DRILLED HOLE DIMENSIONS INTERMEDIATE/PLUG TAP			
Drill Size	mm	16.30	
Drill Part Number		-	
Drill Size inch	inch	41/64	
Drill Part Number inch		2651-41/64	
A Minor Diameter inimum	inch	0.637	
A Minor Diameter maximum	inch	0.645	
S Drilling Depth minimum	inch	2.124	

inch

inch

inch

inch

inch

Taper

Intermediate

**Bottoming** 

SpiralPoint

SpiralFlute

STI

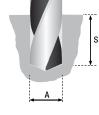
1B

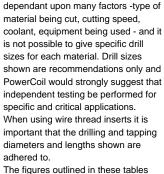
STI

STI

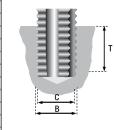
STI







**IMPORTANT** The success of any drilling and tapping operation is



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.

