

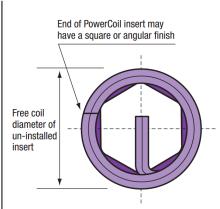
Insert Part Number		3521-12.00X2.5DSL
Insert Thread Form		Metric Fine
Nominal Thread Size		M12 X 1.50
Insert Length Q (installed)	D	2.5D
Insert Length Q (installed)	mm	30.000
Insert Material		304 Stainless Steel
Insert Coating/Plating		-
Military Standard	#	MA3329-263
National Aerospace Standard	#	
Federal Stock	#	-
National Stock / NATO	#	-

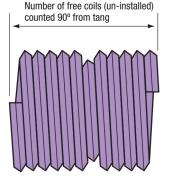
Optimum thread performance with Wire Thread Inserts is achieved when the inserts are installed 1/2 to 1 pitch below the surface of the tapped hole. This means that the actual length of an installed insert is equal to dimension Q less 1/2 to 1 pitch. Dimensions S and T allow for tap end clearance of intermediate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

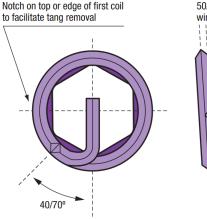
COMPATIBLE POWERCOIL INSTALLATION	AND REMOVAL TOOLS
TOOL TYPE	Part #
Hand Installation Tool	-
Tang Break Tool	3500-TB15
Removal Tool	3500-RT3
Machine Installation Tool	3521-12.00MIT
Mandrel Installation Tool	-
Captive Prewinder Tool	3521-12.00HIP
Non-Captive Prewinder Tool	-
Spring Loaded tang Break Tool	3500-STB12
Pneumatic Front end assembly (FEA)	-
FEA Mandrel	-
FEA Nozzle	-
Pneumatic Tool	-

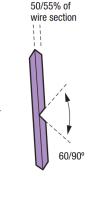
## powercoil.com.au

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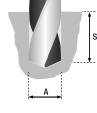


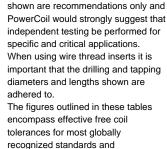




DRILLED HOLE DIMENSIONS INTERMEDIATE/PLUG TAP			
Drill Size	mm	12.40	
Drill Part Number		2007-12.40	
Drill Size inch	inch	31/64	
Drill Part Number inch		2006-31/64	
A Minor Diameter minimum	mm	12.325	
A Minor Diameter maximum	mm	12.561	
S Drilling Depth minimum	mm	36.75	





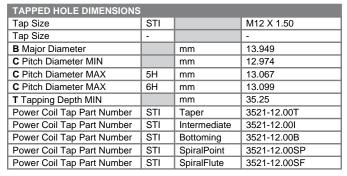


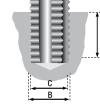
**IMPORTANT** The success of any drilling and tapping operation is dependant upon many factors -type of material being cut, cutting speed,

coolant, equipment being used - and it

is not possible to give specific drill

sizes for each material. Drill sizes





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

manufacturers, including those of

reduced diameter wire thread inserts.

