

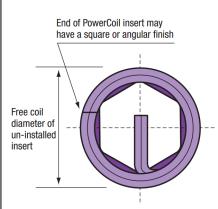
Insert Part Number		3520-20.00X1.0DSL
Insert Thread Form		Metric Coarse
Nominal Thread Size		M20 X 2.5
Insert Length Q (installed)	D	1.0D
Insert Length Q (installed)	mm	20.000
Insert Material		304 Stainless Steel
Insert Coating/Plating		-
Military Standard	#	MA3329-124
National Aerospace Standard	#	
Federal Stock	#	-
National Stock / NATO	#	-

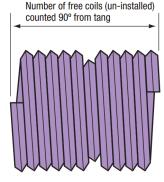
Optimum thread performance with Wire Thread Inserts is achieved when the inserts are installed 1/2 to 1 pitch below the surface of the tapped hole. This means that the actual length of an installed insert is equal to dimension Q less 1/2 to 1 pitch. Dimensions S and T allow for tap end clearance of intermediate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

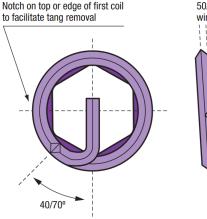
COMPATIBLE POWERCOIL INSTALLATION	AND REMOVAL TOOLS
TOOL TYPE	Part #
Hand Installation Tool	-
Tang Break Tool	-
Removal Tool	3500-RT3
Machine Installation Tool	-
Mandrel Installation Tool	3520-20.00HIP
Captive Prewinder Tool	-
Non-Captive Prewinder Tool	-
Spring Loaded tang Break Tool	-
Pneumatic Front end assembly (FEA)	-
FEA Mandrel	-
FEA Nozzle	-
Pneumatic Tool	-

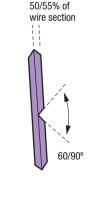
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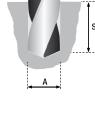


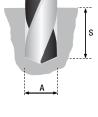


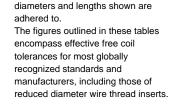




DRILLED HOLE DIMENSIONS INTERMEDIATE/PLUG TAP			
Drill Size	mm	20.80	
Drill Part Number		-	
Drill Size inch	inch	13/16	
Drill Part Number inch		2651-13/16	
A Minor Diameter inimum	mm	20.541	
A Minor Diameter maximum	mm	20.896	
S Drilling Depth minimum	mm	31.25	







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

shown are recommendations only and

PowerCoil would strongly suggest that

independent testing be performed for

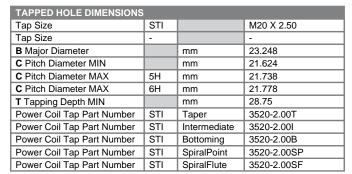
When using wire thread inserts it is

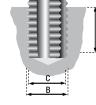
important that the drilling and tapping

specific and critical applications.

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.

