powercoil®

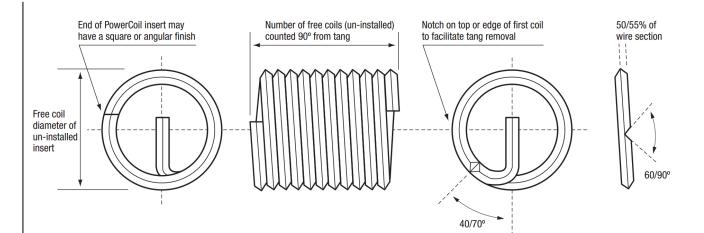
Insert Part Number		3532-6GX3.0D
Insert Thread Form		Unified National Coarse -
		UNC
Nominal Thread Size		6 X 32
Insert Length Q (installed)	D	3.0D
Insert Length Q (installed)	inch	0.414
Insert Material		304 Stainless Steel
Insert Coating/Plating		-
Military Standard	#	MS122238
National Aerospace Standard	#	NASM122238
Federal Stock	#	
National Stock / NATO	#	5325-00-061-4793

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	3500-HIT5
Tang Break Tool	3500-TB5
Removal Tool	3500-RT1
Machine Installation Tool	3532-6GMIT
Mandrel Installation Tool	-
Captive Prewinder Tool	3532-6GHIP
Non-Captive Prewinder Tool	-
Spring Loaded tang Break Tool	3500-STB4
Pneumatic Front end assembly (FEA)	-
FEA Mandrel	-
FEA Nozzle	-
Pneumatic Tool	-

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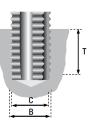


DRILLED HOLE DIMENSIONS INTERMEDIATE/PLUG TAP				
Drill Size	mm	3.70		
Drill Part Number		2007-3.70		
Drill Size inch	inch	#25		
Drill Part Number inch		2013-25		
A Minor Diameter inimum	inch	0.145		
A Minor Diameter maximum	inch	0.150		
S Drilling Depth minimum	inch	0.555		

STI		UNC 6 X 32
-		-
	inch	0.179
	inch	0.158
2B	inch	0.160
1B	inch	0.161
	inch	0.523
STI	Taper	3532-6GT
STI	Intermediate	3532-6GI
STI	Bottoming	3532-6GB
STI	SpiralPoint	3532-6GSP
STI	SpiralFlute	3532-6GSF
	- 2B 1B STI STI STI STI	- inch inch 2B inch 1B inch STI Taper STI Intermediate STI Bottoming STI SpiralPoint

INSERT SPECIFICATIONS		
E Fitted Minor Diameter	inch	0.1040
Q Nominal Length Installed	inch	0.414
Free Coil Diameter minimum	inch	0.18
Free Coil Diameter maximum	inch	0.19
Free Coils minimum	#	10.10
Free Coils maximum	#	11.20

s



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.

