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**THREADED INSERTS
& THREAD RESTORATION
BUYER'S GUIDE 09/2021**



powercoil® wire thread insert system



PowerCoil Wire Thread Inserts strengthen tapped threads in light weight parent materials such as aluminium. They are helically wound inserts made from high quality chromium nickel stainless steel with a diamond shaped cross section.

PowerCoil inserts are used in OEM applications in a wide range of industry sectors including aerospace, automotive, military and electronics. They are inexpensive when compared to other inserts and simple to install, yet are extremely tough, wear resistant and corrosion resistant.

Most importantly, PowerCoil inserts allow the stress loading from the bolt or similar threaded part to be more evenly distributed over the threads in the parent material.

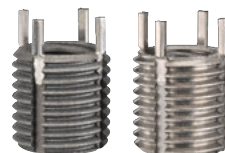
In addition to PowerCoil standard 'free running' inserts, 'screw locking' inserts are also available. These inserts have polygonal grip coils

within the length of the insert which exert radial pressure on the male thread, thereby gripping the bolt and preventing it from loosening under vibration or impact.

In addition to stainless steel, PowerCoil inserts can be made from Phosphor Bronze, Inconel or Nimonic 90 depending on the application. They can also be supplied with different surface finishes and coatings including cadmium, silver and zinc plating and dry film lubricant.

A complete range of Screw Thread Insert (STI) taps are available as well as low, medium and high volume installation tools and a wide range of individual and workshop repair kits. For further information we recommend you consult the technical pages in this guide, the PowerCoil website: www.powercoil.com.au or call your customer service representative.

loksert®



Loksert solid keylocking inserts are an easily installed thread assembly that is ideal for replacing damaged or worn threads in virtually any material – ferrous, non-ferrous and non-metallic.

They are constructed from high quality carbon steel or extremely hard wearing stainless steel. One piece loksert inserts are supplied with the dove-tailed locking keys pre-assembled. Lokserts are suitable for repairing and creating threads in a wide range of applications including forgings and castings and are especially suited to situations that experience heavy wear and vibration - such as mining, construction and earthmoving equipment.

Features and Benefits

- Solid bushing utilising locking keys provides positive mechanical lock against rotation
- High strength and reliability provides maximum pullout strength
- Installed using standard drills and taps
- Simple installation - no special skills required
- Suitable for use in a wide range of parent materials
- Impossible to cross thread during installation
- Simple removal process if required
- No tang to break and remove
- Available in metric sizes, inch sizes and spark plug sizes
- Available in Miniature, Thinwall, Heavy Duty, Extra Heavy Duty and Solid. Stainless steel inserts are also available in wide range of internal thread locking sizes.

tapsert®



Tapsert self cutting threaded inserts feature both external and internal threads. They are driven into a pre-formed or pre-drilled retaining hole and the cutting slots (or cutting bores) effectively tap the hole as the insert is wound into the parent material.

Tapsert inserts are available in case hardened steel or stainless steel.

Tapsert inserts are ideal for use in low shear strength materials (such as alloys, plastics and castings) which require threaded seats with high load capacity and wear resistance.

Tapsert inserts feature:

- High pull-out strength
- High loading capacity in low shear strength materials
- Wear free, vibration resistant screw joint
- Pre-cast or pre-drilled holes with standard tolerance
- No requirement for thread tapping tools
- Retains and captures chips from installation in chipping reservoirs.

bondsert®



Bondsert inserts provide a stronger fastener assembly in soft materials such as aluminum, magnesium and even cast iron. They can be used for repairing stripped threads, and for use in creating stronger threads in original equipment. They are available in carbon steel and 303 stainless steel.

Bondsert external threads are manufactured with standard size and pitch to permit the use of standard drills and taps. Bondsert inserts

can be installed with a screwdriver, bolt/jam nut, or optional power drive tool.

Bondsert inserts are vibration resistant. Immediately upon installation, micro-encapsulated adhesive begins to set, and the newly installed inserts are fastener-ready in 3-5 minutes and will not back out.

The adhesive seals against liquids and gases up to 6,000 psi when fully cured after 72 hours.



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wire thread insert system

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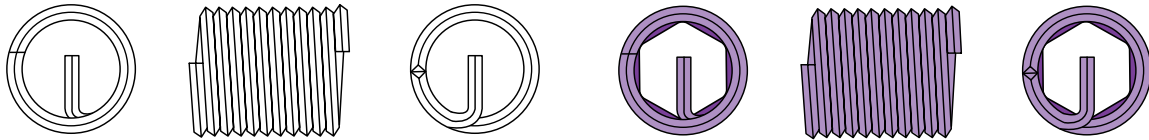
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Manufactured from high quality chromium nickel stainless steel, PowerCoil Wire Thread Inserts provide high strength internal threads that resist the effects of temperature and corrosion. Their unique design ensures superior threads whose compound performance cannot be reproduced by any other single fastening method. Available in two basic forms, free running or screw locking, they are much lighter and less expensive than any other equivalent type of thread insert and because of their compact size they can generally be incorporated into existing designs where no previous provision has been made.

FREE RUNNING

Produced from precision profiled austenitic stainless steel wire wound into a helical spiral, PowerCoil free running inserts have a spring like appearance. When installed, using any one of a variety of manual or automatic tools, they provide strong permanent internal threads which resist heat and corrosion. Once fitted, their position is maintained by the action of radial pressure between their coils and the flanks of the tapped hole. This pressure exists because their free diameter is larger by a calculated amount, than their installed diameter.

SCREW LOCKING

Screw locking (or prevailing torque) inserts are of particular value in applications subject to the effects of cyclic vibration or impact. In addition to the benefits afforded by free running inserts, PowerCoil screw locking inserts offer the additional security of prevailing locking torque. This is achieved by the action of one or more polygonal grip coils positioned within the insert's length, which exert radial pressure on the male thread. Each grip coil consists of a number of tangential locking chords which protrude inside the minor diameter of the normal free running coils. As the male thread passes through these grip coils, the locking flats are displaced thus exerting radial pressure or prevailing torque on the male thread. On removal of the male thread, the locking coils relax to their original form permitting repeated assembly whilst retaining a measurable level of prevailing torque.

Note: It is recommended that only close fit plated or lubricated bolts or screws are used with screw locking inserts.

FEATURES & BENEFITS

For many years, helically coiled wire thread inserts have been vastly underestimated. The popular misconception that they were designed for the repair of damaged threads has given this unique fastener a false image.

They are much lighter and less expensive than any other equivalent type of thread insert and because of their compact size, can generally be introduced into existing designs where no previous provision has been made. Unlike many other economic measures, their introduction increases quality and performance whilst reducing overall product cost. Their introduction may result in the use of thinner sections or lighter parent materials without sacrificing thread strength.

They protect tapped threads against failures due to stripping, seizing, corrosion and wear. PowerCoil wire thread inserts are produced from austenitic stainless steel wire which is work hardened to a tensile strength above 200,000psi and a hardness of Rc43-50. The inserts have an exceedingly smooth surface finish which virtually eliminates friction-induced thread erosion.

The continuous helically coiled design negates the need for thick wall structures to support the internal and external threads - the diamond profile wire coil is the thread. PowerCoil wire thread inserts can be installed in reduced size bosses or flanges

and within constricted areas – saving space and weight while providing high strength.

A boss radius equal to the nominal bolt diameter is usually sufficient.

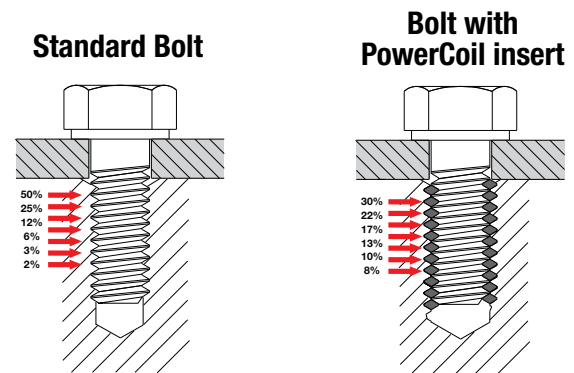
A complete range of installation tools are available to suit specific production techniques. A range of hand tools exist for small runs and repairs; electric and pneumatic tools are available for high volume production requirements.

STRENGTH

Due to their flexibility, wire thread inserts create internal threads which have a much improved distribution of residual stress loading when compared with conventional tapped holes, where 75% of the shearing forces are carried by the first three threads in the tapped hole. The flexibility of wire thread inserts helps to compensate for pitch and flank angle errors, inherent in normal tapped holes, and significantly enhances the load bearing capacity by deflecting the residual forces into a helical hoop stress which is dispersed into the wall of the tapped hole. This enables the design to be confidently based on the bolt strength utilising smaller and shorter threads even when used in low strength materials.

The high tensile coils of a wire thread insert undergo a diameter reduction during installation. The outward spring-like force of the coils "locks" the insert into place.

Each coil can flex independently to contact the greatest amount of parent material thread surface. Both static and dynamic load bearing capabilities are improved.



ELIMINATE STRESS

Virtually no stress is introduced into the parent material because there is no staking, locking, swaging or keying in place. The outward "spring action" of the insert holds it in place.

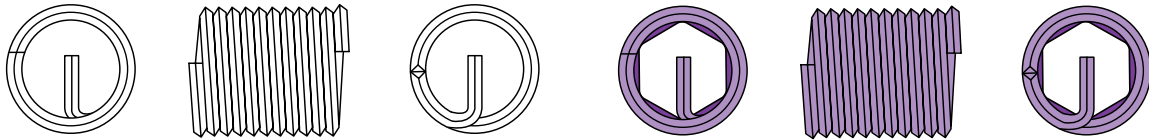
WEAR RESISTANCE

The combination of material hardness and the brilliant surface finish of wire thread inserts creates internal threads in which wear due to thread friction is virtually eliminated. This is of particular value in applications requiring repeated assembly and disassembly. The low frictional coefficient ensures that virtually all of the applied assembly torque is converted into clamping load. Thus providing threads that stay tight.

CORROSION PROTECTION

The 18/8 austenitic stainless steel wire used in PowerCoil inserts resists corrosion under normal environmental conditions. Galvanic action within the thread assembly is reduced, increasing the life of the fastening assembly.

Galvanic corrosion is most significant form of corrosion affecting



inserts and fasteners. Galvanic corrosion occurs when dissimilar metals are in contact in the presence of an electrolytic solution. All metals exhibit different degrees of “activity” or “nobility” and can be arranged in a galvanic series of increasing activity. Gold and platinum are most noble while zinc and magnesium are most active. The most common electrolytic solution encountered is ordinary water. Seawater or salt spray is more damaging because of high concentrations of dissolved salts.

The best way to preclude galvanic corrosion is to use similar potential metals and eliminate the electrolyte conductor. The active stainless steel of PowerCoil wire thread inserts are not passivated. This minimizes the possibility of galvanic corrosion occurring when they are installed in aluminum or magnesium parent materials.

Some additional precautions for reducing galvanic corrosion are:

1. Isolate the fasteners from the electrolyte. This can be done through gasketing or sealing.
2. Specify cadmium plated inserts. The cadmium plate provides a sacrificial barrier against corrosion. In addition, the cadmium plate has lubricating properties that minimize galling when stainless steel screws are used.
3. Apply corrosion inhibiting pastes or compounds to the screw. These include zinc chromate primer (MIL-P-8585) and strontium chromate primer (MIL-P-23377). Note: Pastes applied to the PowerCoil Thread Insert can become trapped between the wire and the hole and cause loss of proper tolerance. It is therefore recommended to apply the paste only to the screw, not the insert. If zinc chromate primer is applied to the tapped hole it should be thinned and applied sparingly. The insert should be installed while the primer is still wet.
4. Specify a dry film lubricant such as molybdenum disulphide on the inserts. This provides a secondary barrier against corrosion.
5. Where practical or where it will not interfere with the completed assembly, the external joint should be coated with a suitable paint.

MATERIALS

PowerCoil standard inserts are manufactured from fully certified, aircraft quality, 304 (18/8) austenitic stainless steel in accordance with DTD 734A. Alternative materials include 316 stainless steel and a variety of application specific surface coatings.

ALTERNATIVE MATERIALS

Phosphor Bronze

Non ferrous copper/tin alloy in accordance with BS2783 PB 102 EH – is suitable for operation in temperatures ranging from -200°C to +300°C.

Inconel X-750

Heat resisting precipitation hardenable nickel base alloy (equivalent specifications SAE AS 7246, DIN/NF 3018, W.NR 2.4669, UNS N07750). Inconel X-750 is suitable for operation in temperatures ranging from -200°C to +550°C.

Nimonic 90

Heat resisting precipitation hardenable nickel base alloy in accordance with BS2 HR 501 (equivalent specifications W.NR 2.4632, UNS N07090).

Nimonic 90 is suitable for operation in temperatures ranging from -100°C to +650°C.

Insert Material	Max. Temp. Peak	Max. Temp. Cont.	Typical Applications	Coatings
Stainless 304	425°C	315°C	Most general applications in all materials	FL, AG, CD
Stainless 316	425°C	315°C	Increased corrosion resistance for salt water applications	FL, AG, CD
Phosphor Bronze	300°C	235°C	Copper parts, non-magnetic, low permeability applications	AG, CD
Inconel X-750	650°C	550°C	Aerospace, turbines, corrosive environments, high temp. use	AG
Nimonic 90	650°C	550°C	Aerospace and turbine applications	AG

ALTERNATIVE FINISHES & COATINGS

Cadmium Plate

Electro-deposited Cadmium in accordance with DTD 904/Def Stan 03-19 (equivalent specifications FED. QQ-P-416, LN 9368). Cadmium plating provides an excellent barrier between dissimilar metals dramatically reducing the effects of galvanic corrosion, its high lubricity and excellent corrosion resistance prevents seizure and galling between threaded components. Cadmium plate is suitable for operation in temperatures ranging from -200°C to +235°C.

Cadmium plated parts must not be

- subjected to temperatures exceeding 235°C (455°F)
- come into contact with fuel or hot oil
- come into contact with food or drinking water
- be used with titanium components (either directly or indirectly). At elevated temperatures embrittlement and subsequent component failure may occur.
- Cadmium is highly toxic – consequently extreme care must be taken when shipping, handling and installing.

Zinc Plate

Electrolytically deposited zinc in accordance with BS 3382. Electro-deposited zinc is the most widely applied electroplated finish in industry. Zinc is suitable for operation in temperatures ranging from -200°C to +250°C.

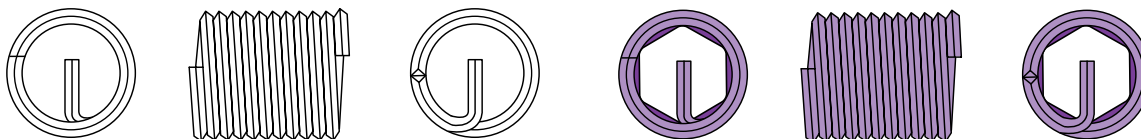
Silver Plate

Electrolytically deposited silver in accordance with DTD 939. Silver plating is used to prevent seizure and galling between thread components in high temperature applications and is most commonly applied to aero-engine fasteners. Silver plate is suitable for operation in temperatures ranging from -200°C to +650°C. Silver plated wire inserts may be installed in various materials including aluminium alloys, magnesium alloys, corrosion and heat resistant materials etc.

Silver plated inserts are not recommended for installation in titanium alloy which may exceed a service temperature of 300°C (570°F). Stress corrosion as a result of the combination of silver and titanium may occur in the housing material.

Dry Film Lubricant

Solid film heat cured molybdenum disulphide dry film lubricant coating in accordance with MIL-L-0046010 provides a low frictional coefficient coating with excellent load bearing capabilities. Dry film lubricant prevents seizing and galling between threaded components and is particularly effective in screw locking insert applications. Dry film lubricant is suitable for operation in temperatures ranging from -100°C to +250°C.



Plating / Finish	Part No. Suffix	Applicable Process Specification
Silver Plating	AG	DTD 939
Cadmium Plating	CD	QQP-416 or DEF STD 03-19
Dry Film Lubricant	FL	MIL-L-8937 or MIL-L-46010
Red Dye	—	Applied to locking inserts for identification purposes*

* other colour dyes may also be utilised for specific identification purposes

SELECTION OF CORRECT INSERT LENGTH

PowerCoil wire thread inserts are available in all popular thread types. Five insert lengths are available for each thread size. It is important to select the correct insert length in order to balance the bolt tensile strength against the shear strength of the parent material. The five insert lengths (recommended thread engagement of the PowerCoil wire thread insert), 1D, 1.5D, 2D, 2.5D and 3D are shown in the shaded area of the table below. These are calculated numbers since the inserts cannot be measured in the free (un-installed) state. The numbers are multiples of the nominal thread size, or diameter, of the insert. The actual insert lengths in the installed position are listed in the insert selection tables. There they represent the actual installed length plus 1/2 pitch. Using the table below, an insert length can be selected which will produce a thread system strong enough to fracture a bolt before it will strip or damage either the parent material or the insert.

Recommended Nominal Insert lengths Based on Parent Material Versus Bolt Material Strengths

UNIFIED (source BS7752 Part 1:1994)

Shear Strength of Parent Material (KSI)	Bolt Material Minimum Ultimate Tensile Strength (KSI)								
	54	75	96	108	125	132	160	180	220
10	2.0	2.5	3.0	3.0	—	—	—	—	—
15	1.5	1.5	2.0	2.5	2.5	3.0	—	—	—
20	1.0	1.5	1.5	2.0	2.0	2.0	2.5	3.0	3.0
25	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.5	2.5
30	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.5
40	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0
50	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5

EXAMPLE: If parent material shear strength is 10KSI and the bolt tensile strength is 54 KSI, the correct insert length is 2.0 diameters (2D).

METRIC

Shear Strength of Parent Material (MPa)	Bolt Material Minimum Ultimate Tensile Strength (MPa)								
	300	400	500	600	800	1000	1200	1400	
70	1.5	2.0	2.5	2.5	—	—	—	—	—
100	1.0	1.5	1.5	2.0	2.5	3.0	—	—	—
150	1.0	1.0	1.5	1.5	2.0	2.0	2.5	3.0	
200	1.0	1.0	1.0	1.0	1.5	1.5	2.0	2.5	
250	1.0	1.0	1.0	1.0	1.0	1.5	1.5	2.0	
300	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	
350	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	

EXAMPLE: If parent material shear strength is 150Mpa and the bolt tensile strength is 600Mpa, the correct insert length is 1.5 diameters (1.5D).

BOLT PROJECTION

PowerCoil wire thread inserts are designed to be used with standard, readily available bolts and screws that require no special hardware.

The bolt must engage the entire insert length to achieve maximum assembly strength. To ensure against partial engagement, it is recommended that the tang always be removed. This will also guarantee that the locking coil(s) will be engaged by the full threads of the bolt. If design parameters prevent this, contact PowerCoil for assistance.

NOTES:

1. Bolt tensile strengths are specified minimums. When choosing an insert length, consideration should be given the maximum tensile strength allowed by the bolt drawing or procurement specification.
2. Service temperatures can cause significant variations in strength values, therefore compensation should be allowed.
3. The importance of shear values should be kept in mind because the parent material is subject to shearing stress near the major diameter of the tapped threads.
4. When the strength values fall between two values in the tables, use next lower material shear value, or the next higher bolt tensile strength value.
5. To achieve maximum strength, bolt length and thread length as well as full tapped thread depth must be sufficient to assure full thread engagement over the entire length of the insert.

SCREW LOCKING (PREVAILING TORQUE) INSERTS

Screw Locking PowerCoil wire thread inserts are designed for applications subject to the effects of cyclic vibration or impact. The screw locking insert exerts a prevailing torque on male threaded fasteners to prevent loosening due to vibration or impact. They eliminate the need for other, less desirable and costly locking mechanisms. They are excellent in "adjusting screw" applications by preventing the male fastener from creeping.

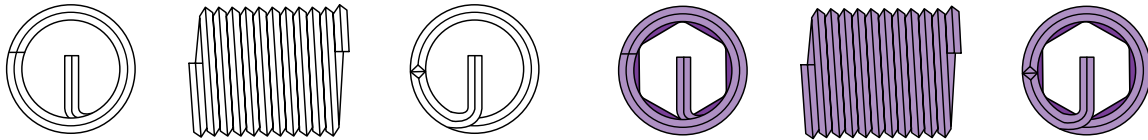
HOW SCREW LOCKING INSERTS WORK

PowerCoil Screw Locking inserts offer the additional security of prevailing locking torque. This is achieved by the action of one or more polygonal grip coils positioned within the insert's length, which exert radial pressure on the male thread. Each grip coil consists of a number of tangential locking chords that protrude inside the minor diameter of the normal free running coils. As the male thread passes through these grip coils, the locking flats are displaced and exert radial pressure (prevailing torque) on the male thread.

On removal of the male thread, the locking coils relax to their original form permitting repeated assembly whilst retaining a measurable level of prevailing torque.

Please note:

It is recommended that only close fit plated or lubricated bolts or screws are used with screw locking PowerCoil wire thread inserts. When using heat treated unplated or stainless steel bolts, an anti-seize compound, e.g., molybdenum disulfide, must be used in order to minimize galling and assure maximum cycle life. Wear life of screw or bolt using PowerCoil screw locking wire thread inserts can also be improved by specifying dry film lubrication or cadmium plating.



LOCATION OF LOCKING COILS

For 1D, 1.5D, and 2D diameter lengths: The center of the locking coil (or coils) equals 1/2 the number of free coils. For 2.5D and 3D diameter lengths: The locking coil is located the same distance from the tang as 2D length inserts.

Screw locking inserts are dyed red for easy identification purposes only. It is alcohol soluble and can be removed if desired.

RED DYE COATING

PowerCoil screw locking inserts are generally colour coded with an organic red dye for identification purposes. The dye does not affect the installation or performance of the insert and does not need to be removed (in most situations). In situations requiring extreme cleanliness (such as assembly of precision instruments in clean room conditions) the dye may be removed by soaking the inserts in a denatured alcohol solution prior to installation.

POWERCOIL LOCKING INSERT TORQUE VALUES

METRIC COARSE

Thread mm x mm	Torque Max (Nm)	Torque Min (Nm)
M2.2x0.45	0.14	0.02
M2.5x0.45	0.23	0.05
M3.0x0.50	0.45	0.10
M3.5x0.60	0.68	0.12
M4.0x0.70	0.90	0.15
M5.0x0.80	1.60	0.30
M6.0x1.00	3.00	0.40
M7.0x1.00	4.50	0.60
M8.0x1.25	6.00	0.80
M10.0x1.50	10.50	1.40
M12.0x1.75	15.50	2.10
M14.0x2.00	23.50	3.00
M16.0x2.00	31.50	4.20
M18.0x2.50	42.00	5.50
M20.0x2.50	54.00	7.00
M22.0x2.50	67.50	9.00
M24.0x3.00	80.00	10.50
M27.0x3.00	94.00	12.00
M30.0x3.50	108.00	14.00
M33.0x3.50	122.00	15.50
M36.0x4.00	136.00	17.50
M39.0x4.00	150.00	19.50

METRIC FINE

Thread mm x mm	Torque Max (Nm)	Torque Min (Nm)
M8.0x1.00	6.00	0.80
M10.0x1.00	10.50	1.40
M10.0x1.25	10.50	1.40
M12.0x1.25	15.50	2.10
M12.0x1.50	15.50	2.10
M14.0x1.50	23.50	3.00
M16.0x1.50	31.50	4.20
M18.0x1.50	42.00	5.50
M20.0x1.50	54.00	7.00
M22.0x1.50	67.50	9.00
M18.0x2.00	42.00	5.50
M20.0x2.00	54.00	7.00
M22.0x2.00	67.50	9.00
M24.0x2.00	80.00	10.50
M27.0x2.00	94.00	12.00
M30.0x2.00	108.00	14.00
M33.0x2.00	122.00	15.50
M36.0x2.00	136.00	17.50
M39.0x2.00	150.00	19.50
M36.0x3.00	136.00	17.50
Locking torque values conform to MP3329, MP3330, MP3331		

UNIFIED NATIONAL COARSE – UNC

Thread inch x tpi	Torque Max (lb in)	Torque Min (lb in)
2x56	1.25	0.19
3x48	2.00	0.44
4x40	3.00	0.63
5x40	4.69	0.81
6x32	6.00	1.00
8x32	9.00	1.50
10x24	13.00	2.00
12x24	24.00	3.00
1/4x20	30.00	4.50
5/16x18	60.00	7.50
3/8x18	80.00	12.00
7/16x14	100.00	16.50
1/2x13	150.00	24.00
9/16x12	200.00	30.00
5/8x11	300.00	40.00
3/4x10	400.00	60.00
7/8x9	600.00	82.00
1x8	800.00	110.00
11/8x7	900.00	137.00
11/4x7	1000.00	165.00
13/8x6	1150.00	185.00
11/2x6	1350.00	210.00

UNIFIED NATIONAL FINE – UNF

Thread inch x tpi	Torque Max (lb in)	Torque Min (lb in)
3x56	0.13	0.44
4x48	0.19	0.63
6x40	6.00	1.00
8x36	9.00	1.50
10x32	13.00	2.00
1/4x28	30.00	3.50
5/16x24	60.00	6.50
3/8x24	80.00	9.50
7/16x20	100.00	14.00
1/2x20	150.00	18.00
9/16x18	200.00	24.00
5/8x18	300.00	32.00
3/4x16	400.00	50.00
7/8x14	600.00	70.00
1x12	800.00	90.00
11/8x12	900.00	117.00
11/4x12	1000.00	143.00
13/8x12	1150.00	165.00
11/2x12	1350.00	190.00
Locking torque values conform to NASM8846		

Note: It is also essential that the bolt fully engages all insert coils for maximum strength.

PowerCoil screw locking inserts can be designed to suit a customer's specific needs. In certain instances and applications prevailing torque can be lessened or increased to cater for a specific application. In these situations please contact your PowerCoil representative to discuss your specific requirements.

Please Note: Installation of PowerCoil screw locking inserts requires the use of a pre-winder tool. Please discuss other installation options with your PowerCoil agent.



GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC COARSE

INSERT				INCLUDED IN KIT							TAPPING DRILL	
MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH	
2.00	0.40	1.5D 3.00MM	134.71	3520-2.00K	20	2.1	3520-2.00I	3500-HIT2	3500-TB1	2.1	#45*	
2.20	0.45	1.5D 3.30MM	128.98	3520-2.20K	20	2.3	3520-2.20I	3500-HIT2	3500-TB2	2.3	#42*	
2.50	0.45	1.5D 3.75MM	96.60	3520-2.50K	20	2.6	3520-2.50I	3500-HIT3	3500-TB3	2.6	#37*	
3.00	0.50	1.5D 4.50MM	96.45	3520-3.00K	20	3.2	3520-3.00I	3500-HIT4	3500-TB4	3.2	#1/8*	
3.50	0.60	1.5D 5.25MM	97.31	3520-3.50K	20	3.7	3520-3.50I	3500-HIT5	3500-TB5	3.7	#27*	
4.00	0.70	1.5D 6.00MM	79.89	3520-4.00K	20	4.2	3520-4.00I	3500-HIT6	3500-TB6	4.2	11/64*	
5.00	0.80	1.5D 7.50MM	69.30	3520-5.00K	20	5.2	3520-5.00I	3500-HIT8	3500-TB8	5.2	13/64*	
6.00	1.00	1.5D 9.00MM	71.00	3520-6.00K	20	6.3	3520-6.00I	3500-HIT9	3500-TB9	6.3	1/4*	
7.00	1.00	1.5D 10.50MM	87.58	3520-7.00K	20	7.3	3520-7.00I	3500-HIT10	3500-TB11	7.3	9/32*	
8.00	1.25	1.5D 12.00MM	85.83	3520-8.00K	20	8.3	3520-8.00I	3500-HIT11	3500-TB12	8.3	21/64*	
9.00	1.25	1.5D 13.50MM	101.55	3520-9.00K	15	9.4	3520-9.00I	3500-HIT13	3500-TB12	9.4	3/8*	
10.00	1.50	1.5D 15.00MM	108.56	3520-10.00K	15	10.4	3520-10.00I	3500-HIT13	3500-TB13	10.4	13/32*	
11.00	1.50	1.5D 16.50MM	135.84	3520-11.00K	10	11.4	3520-11.00I	3500-HIT14	3500-TB14	11.4	7/16*	
12.00	1.75	1.5D 18.00MM	141.53	3520-12.00K	10	12.4	3520-12.00I	3500-HIT15	3500-TB15	12.4	31/64*	
13.00	1.75	1.5D 19.50MM	128.98	3520-13.00K	10		3520-13.00I	3500-HIT15		13.5*	33/64*	
14.00	2.00	1.5D 21.00MM	145.95	3520-14.00K	10		3520-14.00I	3500-HIT16		14.5*	37/64*	
15.00	2.00	1.5D 22.50MM	157.64	3520-15.00K	10		3520-15.00I	3500-HIT16		15.5*	39/64*	
16.00	2.00	1.5D 24.00MM	169.98	3520-16.00K	10		3520-16.00I	3500-HIT18		16.5*	21/32*	
18.00	2.50	1.5D 27.00MM	229.30	3520-18.00K	5		3520-18.00I	3500-HIT20		18.5*	47/64*	
20.00	2.50	1.5D 30.00MM	272.29	3520-20.00K	5		3520-20.00I	3500-HIT21		20.8*	13/16*	
22.00	2.50	1.5D 33.00MM	322.45	3520-22.00K	5		3520-22.00I	3500-HIT22		22.8*	57/64*	
24.00	3.00	1.5D 36.00MM	408.44	3520-24.00K	5		3520-24.00I	3500-HIT23		25.0*	31/32*	
27.00	3.00	1.5D 40.50MM	503.53	3520-27.00K	5		3520-27.00I	3500-HIT24		28.0*	1.3/32*	
30.00	3.50	1.5D 45.00MM	627.57	3520-30.00K	5		3520-30.00I	3500-HIT25		31.0*	1.7/32*	
33.00	3.50	1.5D 49.50MM	669.53	3520-33.00K	5		3520-33.00I	3500-HIT26		34.0*	1.21/64*	
36.00	4.00	1.5D 54.00MM	671.70	3520-36.00K	5		3520-36.00I	3500-HIT28		37.0*	1.29/64*	
42.00	4.50	1.5D 63.00MM	1,026.77	3520-42.00K	3		3520-42.00I	3500-HIT28		43.0*	1.11/16*	

* Tapping drill size – not included in thread repair kit.



Some large repair kits over 24mm may be supplied with HIM tools (hex installation mandrels) in place of HIT tools (hand installation tools).

SPARK PLUG

INSERT				INCLUDED IN KIT						
MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	
10.00	1.00	1/2"	118.94	3522-10.00K	5		3522-10.00PN	3500-HIT13	3500-TB13	
		0.339"			5					
12.00	1.25	1/2"	137.58	3522-12.00K	5		3522-12.00PN	3500-HIT15	3500-TB15	
		3/4"			5					
14.00	1.25	3/8"	124.69	3522-14.00K	5		3522-14.00PN	3500-HIT17		
		1/2"			5					
		3/4"			5					
14.00	1.25	8.4MM	149.03	3522-14.00K1	5		3522-14.00PN	3500-HIT17		
		12.4MM			5					
		16.4MM			5					
18.00	1.50	1/2"	250.79	3522-18.00K	5		3522-18.00PN	3500-HIT20		

STI Pilot Nose Taps are used to repair damaged threads and do not require the drilling of a pilot hole.

These taps use the existing thread as a guide in tapping a straight hole. STI Pilot Nose Taps are most commonly used to tap holes for the repair of spark plug threads.



IMPORTANT

It is recommended that when repairing the thread on spark plug ports that you remove the head.

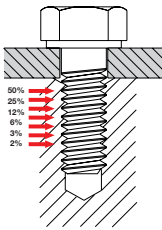
If you do not remove the head it is essential that you protect the engine from the ingress of chips and swarf generated by the tapping process.



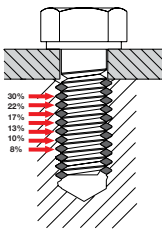


MF

Standard Bolt



**Bolt with
PowerCoil insert**

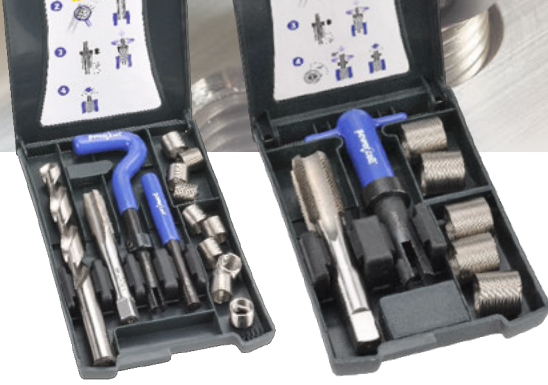


In a conventional threaded joint 75% of the load is placed on the first three threads.

The helical coil design of the PowerCoil Wire Thread Insert allows the shear loading to be transformed into a more desirable radial loading (hoop stress) over the entire length of the insert.

Use of a PowerCoil insert results in a far stronger thread than can be obtained by using conventional drilling or tapping. Improved strength allows designers to select fasteners based on minimum bolt strength and allows the use of smaller diameters and thread lengths - even in magnesium and aluminium alloys.

GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING



INSERT				INCLUDED IN KIT								TAPPING DRILL	
MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH		
8.00	1.00	1.5D	12.00MM	95.87	3521-8.00K	20	8.3	3521-8.00I	3500-HIT11	3500-TB12	8.3	21/64*	
10.00	1.25	1.5D	15.00MM	113.57	3521-10.00K	15	10.3	3521-10.00I	3500-HIT13	3500-TB13	10.3	13/32*	
10.00	1.00	1.5D	15.00MM	115.01	3523-10.00K	15	10.3	3523-10.00I	3500-HIT13	3500-TB13	10.3	13/32*	
11.00	1.25	1.5D	16.50MM	135.84	3521-11.00K	10	11.3	3521-11.00I	3500-HIT14	3500-TB14	11.3	7/16*	
11.00	1.00	1.5D	16.50MM	135.84	3523-11.00K	10	11.3	3523-11.00I	3500-HIT14	3500-TB14	11.3	7/16*	
12.00	1.50	1.5D	18.00MM	144.38	3521-12.00K	10	12.4	3521-12.00I	3500-HIT15	3500-TB15	12.4	31/64*	
12.00	1.25	1.5D	18.00MM	146.55	3523-12.00K	10	12.3	3523-12.00I	3500-HIT15	3500-TB15	12.3	31/64*	
12.00	1.00	1.5D	18.00MM	222.14	3524-12.00K	10	12.3	3524-12.00I	3500-HIT15	3500-TB15	12.3	31/64*	
13.00	1.50	1.5D	19.50MM	143.30	3521-13.00K	10		3521-13.00I	3500-HIT15		13.2*	33/64*	
13.00	1.25	1.5D	19.50MM	157.64	3523-13.00K	10		3523-13.00I	3500-HIT15		13.2*	33/64*	
14.00	1.50	1.5D	21.00MM	150.27	3521-14.00K	10		3521-14.00I	3500-HIT16		14.4*	9/16*	
14.00	1.25	1.5D	21.00MM	150.27	3523-14.00K	10		3523-14.00I	3500-HIT16		14.3*	9/16*	
14.00	1.00	1.5D	21.00MM	229.30	3524-14.00K	10		3524-14.00I	3500-HIT16		14.3*	9/16*	
15.00	1.50	1.5D	22.50MM	164.81	3521-15.00K	10		3521-15.00I	3500-HIT16		15.3*	39/64*	
16.00	1.50	1.5D	24.00MM	178.56	3521-16.00K	10		3521-16.00I	3500-HIT18		16.5*	21/32*	
18.00	2.00	1.5D	27.00MM	243.63	3521-18.00K	5		3521-18.00I	3500-HIT20		18.5*	23/32*	
18.00	1.50	1.5D	27.00MM	243.63	3523-18.00K	5		3523-18.00I	3500-HIT20		18.5*	23/32*	
20.00	2.00	1.5D	30.00MM	279.45	3521-20.00K	5		3521-20.00I	3500-HIT21		20.5*	13/16*	
20.00	1.50	1.5D	30.00MM	279.45	3523-20.00K	5		3523-20.00I	3500-HIT21		20.5*	13/16*	
22.00	2.00	1.5D	33.00MM	329.63	3521-22.00K	5		3521-22.00I	3500-HIT22		22.5*	57/64*	
22.00	1.50	1.5D	33.00MM	329.63	3523-22.00K	5		3523-22.00I	3500-HIT22		22.5*	57/64*	
24.00	2.00	1.5D	36.00MM	458.59	3521-24.00K	5		3521-24.00I	3500-HIT23		24.5*	21/64*	
24.00	1.50	1.5D	36.00MM	458.59	3523-24.00K	5		3523-24.00I	3500-HIT23		24.5*	31/32*	
26.00	1.50	1.5D	39.00MM	503.53	3523-26.00K	5		3523-26.00I	3500-HIT24		26.5*	1-1/32*	
27.00	2.00	1.5D	40.50MM	503.53	3521-27.00K	5		3521-27.00I	3500-HIT24		27.5*	1-5/64*	
27.00	1.50	1.5D	40.50MM	503.53	3523-27.00K	5		3523-27.00I	3500-HIT24		27.5*		
28.00	1.50	1.5D	42.00MM	616.77	3523-28.00K	5		3523-28.00I	3500-HIT24		28.5*		
30.00	2.00	1.5D	45.00MM	652.38	3521-30.00K	5		3521-30.00I	3500-HIT26		30.5*	1-3/16*	
30.00	1.50	1.5D	45.00MM	652.38	3523-30.00K	5		3523-30.00I	3500-HIT26		30.5*		
33.00	2.00	1.5D	49.50MM	669.53	3521-33.00K	5		3521-33.00I	3500-HIT26		33.5*	1-5/16*	
36.00	3.00	1.5D	54.00MM	671.70	3521-36.00K	3		3521-36.00I	3500-HIT28		37.0*	1-29/64*	
36.00	2.00	1.5D	54.00MM	671.70	3523-36.00K	3		3523-36.00I	3500-HIT28		36.5*		
36.00	1.50	1.5D	54.00MM	671.70	3524-36.00K	3		3524-36.00I	3500-HIT28		36.5*		

* Tapping drill not included in thread repair kit.



Some large repair kits over 24mm may be supplied with HIM tools (hex installation mandrels) in place of HIT tools (hand installation tools).



Bulk Free Running Inserts
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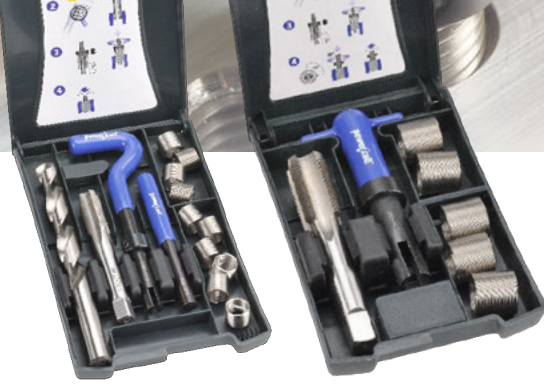
GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNC												
INSERT					INCLUDED IN KIT						TAPPING DRILL	
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH
2G	56	1.5D	0.13"	92.15	3532-2GK	20	2.4	3532-2GI	3500-HIT2	3500-TB2	2.4	#41*
3G	48	1.5D	0.15"	92.15	3532-3GK	20	2.7	3532-3GI	3500-HIT3	3500-TB3	2.7	#36*
4G	40	1.5D	0.17"	89.22	3532-4GK	20	3.1	3532-4GI	3500-HIT4	3500-TB4	3.1	#31*
5G	40	1.5D	0.19"	89.58	3532-5GK	20	3.4	3532-5GI	3500-HIT4	3500-TB4	3.4	#29*
6G	32	1.5D	0.21"	85.20	3532-6GK	20	3.8	3532-6GI	3500-HIT5	3500-TB5	3.8	#25*
8G	32	1.5D	0.25"	85.56	3532-8GK	20	4.4	3532-8GI	3500-HIT6	3500-TB6	4.4	11/64*
10G	24	1.5D	0.28"	79.26	3532-10GK	20	5.2	3532-10GI	3500-HIT7	3500-TB8	5.2	13/64*
12G	24	1.5D	0.33"	80.61	3532-12GK	20	5.8	3532-12GI	3500-HIT8	3500-TB8	5.8	15/64*
1/4	20	1.5D	0.38"	74.37	3532-1/4K	20	6.7	3532-1/4I	3500-HIT9	3500-TB9	6.7	17/64*
5/16	18	1.5D	0.47"	81.46	3532-5/16K	20	8.3	3532-5/16I	3500-HIT10	3500-TB12	8.3	21/64*
3/8	16	1.5D	0.56"	96.23	3532-3/8K	15	9.9	3532-3/8I	3500-HIT13	3500-TB12	9.9	25/64*
7/16	14	1.5D	0.66"	112.23	3532-7/16K	10	11.6	3532-7/16I	3500-HIT14	3500-TB14	11.6	29/64*
1/2	13	1.5D	0.75"	119.53	3532-1/2K	10	13.0	3532-1/2I	3500-HIT15	3500-TB15	13.0	33/64*
9/16	12	1.5D	0.84"	147.60	3532-9/16K	10		3532-9/16I	3500-HIT16		15.0*	19/32*
5/8	11	1.5D	0.94"	161.01	3532-5/8K	10		3532-5/8I	3500-HIT18		16.5*	21/32*
3/4	10	1.5D	1.13"	222.14	3532-3/4K	5		3532-3/4I	3500-HIT20		19.8*	25/32*
7/8	9	1.5D	1.31"	272.29	3532-7/8K	5		3532-7/8I	3500-HIT22		23.0*	29/32*
1	8	1.5D	1.50"	324.60	3532-1K	5		3532-1I	3500-HIT23		26.2*	1.1/32*
1-1/8	7	1.5D	1.69"	431.92	3532-1.1/8K	3		3532-1.1/8I	3500-HIT25		29.5*	1.5/32*
1-1/4	7	1.5D	1.88"	525.96	3532-1.1/4K	3		3532-1.1/4I	3500-HIT26		32.5*	1-9/32*
1-3/8	6	1.5D	2.06"	615.80	3532-1.3/8K	3		3532-1.3/8I	3500-HIT27		36.0*	1-13/32*
1-1/2	6	1.5D	2.25"	787.74	3532-1.1/2K	3		3532-1.1/2I	3500-HIT28		39.5*	1-35/64*
UNF												
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH
3G	56	1.5D	0.15"	92.15	3534-3GK	20	2.7	3534-3GI	3500-HIT3	3500-TB3	2.7	#37*
4G	48	1.5D	0.17"	89.22	3534-4GK	20	3.0	3534-4GI	3500-HIT4	3500-TB4	3.0	#31*
6G	40	1.5D	0.21"	141.10	3534-6GK	20	3.8	3534-6GI	3500-HIT5	3500-TB5	3.8	#30*
8G	36	1.5D	0.25"	141.44	3534-8GK	20	4.4	3534-8GI	3500-HIT6	3500-TB6	4.4	#26*
10G	32	1.5D	0.28"	78.97	3534-10GK	20	5.1	3534-10GI	3500-HIT8	3500-TB8	5.1	11/64*
12G	28	1.5D	0.32"	80.61	3534-12GK	20	5.7	3534-12GI	3500-HIT8	3500-TB8	5.7	13/64*
1/4	28	1.5D	0.38"	74.37	3534-1/4K	20	6.7	3534-1/4I	3500-HIT9	3500-TB9	6.7	15/64*
5/16	24	1.5D	0.47"	81.46	3534-5/16K	20	8.3	3534-5/16I	3500-HIT11	3500-TB12	8.3	17/64*
3/8	24	1.5D	0.56"	96.23	3534-3/8K	15	9.8	3534-3/8I	3500-HIT13	3500-TB13	9.8	21/64*
7/16	16	1.5D	0.66"	148.82	3534-7/16-16K	10	11.5	3534-7/16-16I	3500-HIT14	3500-TB14	11.5	25/64*
7/16	20	1.5D	0.66"	114.51	3534-7/16K	10	11.5	3534-7/16I	3500-HIT14	3500-TB14	11.5	29/64*
1/2	20	1.5D	0.75"	130.05	3534-1/2K	10	13.0	3534-1/2I	3500-HIT15	3500-TB15	13.0	33/64*
9/16	18	1.5D	0.84"	147.60	3534-9/16K	10		3534-9/16I	3500-HIT16		14.7*	37/64*
5/8	18	1.5D	0.94"	161.01	3534-5/8K	10		3534-5/8I	3500-HIT18		16.3*	41/64*
3/4	16	1.5D	1.13"	222.14	3534-3/4K	5		3534-3/4I	3500-HIT21		19.5*	49/64*
7/8	14	1.5D	1.31"	272.29	3534-7/8K	5		3534-7/8I	3500-HIT22		22.5*	57/64*
1	12	1.5D	1.50"	324.60	3534-1K	5		3534-1I	3500-HIT23		26.0*	1-1/64*
1	14	1.5D	1.50"	338.94	3535-1K	5		3535-1I	3500-HIT23		26.0*	1-1/64*
1-1/8	12	1.5D	1.69"	431.92	3534-1.1/8K	3		3534-1.1/8I	3500-HIT25		29.5*	1-5/32*
1-1/4	12	1.5D	1.88"	525.96	3534-1.1/4K	3		3534-1.1/4I	3500-HIT26		32.5*	1-9/32*
1-3/8	12	1.5D	2.06"	615.80	3534-1.3/8K	3		3534-1.3/8I	3500-HIT27		35.5*	1-13/32*
1-1/2	12	1.5D	2.25"	787.74	3534-1.1/2K	3		3534-1.1/2I	3500-HIT28		38.5*	1-17/32*

* Tapping drill not included in thread repair kit.



Some large repair kits over 1" may be supplied with HIM tools (hex installation mandrels) in place of HIT tools (hand installation tools).



**BSW
BSF
BSP**

GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSW				INSERT								INCLUDED IN KIT				TAPPING DRILL	
INCH	TPI	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	PART #	MM	INCH					
1/8	40	1.5D 0.19"	93.44	3528-1/8K	20	3.4	3528-1/8I	3500-HIT4	3500-TB4		3.4	#30*					
3/16	24	1.5D 0.28"	80.26	3528-3/16K	20	5.0	3528-3/16I	3500-HIT7	3500-TB8		5.0	13/64*					
1/4	20	1.5D 0.38"	78.67	3528-1/4K	20	6.7	3528-1/4I	3500-HIT9	3500-TB9		6.7	17/64*					
5/16	18	1.5D 0.47"	84.48	3528-5/16K	20	8.3	3528-5/16I	3500-HIT10	3500-TB11		8.3	21/64*					
3/8	16	1.5D 0.56"	99.09	3528-3/8K	15	9.9	3528-3/8I	3500-HIT11	3500-TB12		9.9	25/64*					
7/16	14	1.5D 0.66"	117.37	3528-7/16K	10	11.5	3528-7/16I	3500-HIT14	3500-TB14		11.5	29/64*					
1/2	12	1.5D 0.75"	131.56	3528-1/2K	10	13.0	3528-1/2I	3500-HIT15	3500-TB15		13.0	33/64*					
9/16	12	1.5D 0.84"	150.49	3528-9/16K	10		3528-9/16I	3500-HIT16			14.8*	37/64*					
5/8	11	1.5D 0.94"	167.68	3528-5/8K	10		3528-5/8I	3500-HIT18			16.7*	21/32*					
3/4	10	1.5D 1.13"	222.14	3528-3/4K	5		3528-3/4I	3500-HIT20			20.0*	25/32*					
7/8	9	1.5D 1.31"	270.84	3528-7/8K	5		3528-7/8I	3500-HIT22			23.2*	29/32*					
1	8	1.5D 1.50"	343.95	3528-1K	5		3528-1I	3500-HIT23			26.5*	1-1/32*					

BSF				INSERT								INCLUDED IN KIT				TAPPING DRILL	
INCH	TPI	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	PART #	MM	INCH					
3/16	32	1.5D 0.28"	108.99	3530-3/16K	20	5.0	3530-3/16I	3500-HIT8	3500-TB6		5.0	13/64*					
1/4	26	1.5D 0.38"	108.70	3530-1/4K	20	6.6	3530-1/4I	3500-HIT9	3500-TB9		6.6	17/64*					
5/16	22	1.5D 0.47"	116.10	3530-5/16K	20	8.3	3530-5/16I	3500-HIT11	3500-TB11		8.3	21/64*					
3/8	20	1.5D 0.56"	123.46	3530-3/8K	15	9.9	3530-3/8I	3500-HIT13	3500-TB12		9.9	25/64*					
7/16	18	1.5D 0.66"	142.66	3530-7/16K	10	11.5	3530-7/16I	3500-HIT14	3500-TB14		11.5	29/64*					
1/2	16	1.5D 0.75"	170.25	3530-1/2K	10	13.0	3530-1/2I	3500-HIT15	3500-TB15		13.0	33/64*					
9/16	16	1.5D 0.84"	179.14	3530-9/16K	10		3530-9/16I	3500-HIT16			14.8*	37/64*					
5/8	14	1.5D 0.94"	223.58	3530-5/8K	10		3530-5/8I	3500-HIT18			16.3*	41/64*					
3/4	12	1.5D 1.13"	328.17	3530-3/4K	5		3530-3/4I	3500-HIT20			19.5*	49/64*					
7/8	11	1.5D 1.31"	399.83	3530-7/8K	5		3530-7/8I	3500-HIT22			22.8*	57/64*					
1	10	1.5D 1.50"	460.75	3530-1K	5		3530-1I	3500-HIT23			26.2*	1-1/32*					

BSP				INSERT								INCLUDED IN KIT				TAPPING DRILL	
INCH	TPI	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	PART #	MM	INCH					
1/8	28	1.5D 0.19"	126.19	3546-1/8K	10		3546-1/8I	3500-HIT14			10.0*	25/64*					
1/4	19	1.5D 0.38"	164.29	3546-1/4K	10		3546-1/4I	3500-HIT16			13.6*	17/32*					
3/8	19	1.5D 0.56"	204.64	3546-3/8K	10		3546-3/8I	3500-HIT20			17.1*	43/64*					
1/2	14	1.5D 0.75"	342.17	3546-1/2K	10		3546-1/2I	3500-HIT23			21.5*	27/32*					
5/8	14	1.5D 0.94"	421.29	3546-5/8K	10		3546-5/8I	3500-HIT23			23.4*	59/64*					
3/4	14	1.5D 1.13"	473.12	3546-3/4K	10		3546-3/4I	3500-HIT24			27.0*	1.1/16*					
7/8	14	1.5D 1.31"	527.46	3546-7/8K	5		3546-7/8I	3500-HIT27			30.5*	1-13/64*					
1	11	1.5D 1.50"	559.89	3546-1K	5		3546-1I	3500-HIT27			33.7*	1-21/64*					

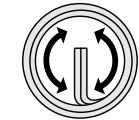
* Tapping drill not included in thread repair kit.



Some repair kits may be supplied with HIM tools (hex installation mandrels) in place of HIT tools (hand installation tools).



GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING



**NPT
8-UN
BSC
BA**

NPT												
INSERT					INCLUDED IN KIT					TAPPING DRILL		
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH
1/16	27	0.271"		157.64	3552-1/16K	10	19/64	3552-1/16I	3500-HIT10		7.5*	19/64
1/8	27	0.273"		157.64	3552-1/8K	10		3552-1/8I	3500-HIT13		9.8*	W*
1/4	18	0.394"		214.97	3552-1/4K	10		3552-1/4I	3500-HIT16		13.0*	33/64*
3/8	18	0.407"		300.94	3552-3/8K	10		3552-3/8I	3500-HIT18		16.7*	21/32*
1/2	14	0.534"		394.11	3552-1/2K	10		3552-1/2I	3500-HIT22		20.6*	13/16*
3/4	14	0.553"		537.41	3552-3/4K	10		3552-3/4I	3500-HIT24		25.8*	1-1/64*
1	11.5	0.661"		745.20	3552-1K	10		3552-1I	3500-HIT27		32.5*	1-9/32*



Some repair kits may be supplied with HIM tools (hex installation mandrels) in place of HIT tools (hand installation tools).

8-UN												
INSERT					INCLUDED IN KIT					TAPPING DRILL		
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH
1-1/8	8	1.5D	1.69"	615.45	3570-1.1/8K	3		3570-1.1/8I	3500-HIT25		28.5*	1-1/8*
1-1/4	8	1.5D	1.88"	730.88	3570-1.1/4K	3		3570-1.1/4I	3500-HIT26		32.0*	1-1/4*
1-3/8	8	1.5D	2.06"	904.19	3570-1.3/8K	3		3570-1.3/8I	3500-HIT27		35.0*	1-3/8*
1-1/2	8	1.5D	2.25"	753.71	3570-1.1/2K	3		3570-1.1/2I	3500-HIT28		38.0*	1-1/2*
1-5/8	8	1.5D	2.44"	1,129.40	3570-1.5/8K	3		3570-1.5/8I	3500-HIT28		41.0*	1-5/8*
1-3/4	8	1.5D	2.63"	1,248.46	3570-1.3/4K	3		3570-1.3/4I	3500-HIT28		44.5*	1-3/4*
1-7/8	8	1.5D	2.81"	1,471.69	3570-1.7/8K	3		3570-1.7/8I	3500-HIT30		47.5*	1-7/8*
2	8	1.5D	3.00"	1,574.21	3570-2K	3		3570-2I	3500-HIT30		50.8*	2

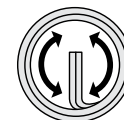


Some repair kits may be supplied with HIM tools (hex installation mandrels) in place of HIT tools (hand installation tools).

BSC												
INSERT					INCLUDED IN KIT					TAPPING DRILL		
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH
1/4	26	1.5D	0.38"	82.52	3560-1/4K	20	6.6	3560-1/4I	3500-HIT10	3500-TB9	6.6	17/64*
5/16	26	1.5D	0.47"	95.09	3560-5/16K	20	8.0	3560-5/16I	3500-HIT11	3500-TB12	8.0	5/16*
3/8	26	1.5D	0.56"	103.36	3560-3/8K	15	9.8	3560-3/8I	3500-HIT13	3500-TB13	9.8	25/64*
7/16	26	1.5D	0.66"	125.40	3560-7/16K	10	11.1	3560-7/16I	3500-HIT14	3500-TB14	11.1	7/16*
1/2	26	1.5D	0.75"	143.30	3560-1/2K	10	12.7	3560-1/2I	3500-HIT15	3500-TB15	12.7	1/2*

BA														
INSERT					INCLUDED IN KIT					TAPPING DRILL				
INCH	MM	INCH	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	MM	INCH	
0	0.236	6.0	0.0394	1.5D	0.35"	243.63	3544-0K	20	6.2	3544-0I	3500-HIT9	3500-TB11	6.2	C*
2	0.185	4.7	0.0319	1.5D	0.28"	121.80	3544-2K	20	4.9	3544-2I	3500-HIT7	3500-TB8	4.9	#10*
4	0.142	3.6	0.0260	1.5D	0.21"	121.80	3544-4K	20	3.8	3544-4I	3500-HIT5	3500-TB5	3.8	#25*
6	0.110	2.8	0.0209	1.5D	0.17"	186.31	3544-6K	20	2.9	3544-6I	3500-HIT3	3500-TB3	2.9	#33*

* Tapping drill not included in thread repair kit.



**MC
MF**

GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC COARSE M5-M12				INSERT							INCLUDED IN KIT			
MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	PART #	PART #	PART #		
5.00	0.80	1.5D	7.5MM	458.59	3520-WK1	25	5.2	3520-5.00I	3500-HIT8	3500-TB8				
6.00	1.00	1.5D	9.0MM			25	6.3	3520-6.00I	3500-HIT9	3500-TB9				
8.00	1.25	1.5D	12.0MM			25	8.3	3520-8.00I	3500-HIT11	3500-TB12				
10.00	1.50	1.5D	15.0MM			25	10.4	3520-10.00I	3500-HIT13	3500-TB13				
12.00	1.75	1.5D	18.0MM			10	12.4	3520-12.00I	3500-HIT15	3500-TB15				

METRIC COARSE M6-M12 + M14 SPARK PLUG				INSERT							INCLUDED IN KIT			
MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	PART #	PART #	PART #		
6.00	1.00	1.5D	9.0MM	551.75	3522-WK4	25	6.3	3520-6.00I	3500-HIT9	3500-TB9				
8.00	1.25	1.5D	12.0MM			25	8.3	3520-8.00I	3500-HIT11	3500-TB12				
10.00	1.50	1.5D	15.0MM			25	10.4	3520-10.00I	3500-HIT13	3500-TB13				
12.00	1.75	1.5D	18.0MM			10	12.4	3520-12.00I	3500-HIT15	3500-TB15				
14.00	1.25		8.4MM			5		3522-14.00PN	3500-HIT17					
14.00	1.25		12.4MM			5								
14.00	1.25		16.4MM			5								



SPARK PLUG				INSERT							INCLUDED IN KIT			
MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	PART #	PART #	PART #		
10.00	1.00	0.339"	448.96	3522-WK1	5			3522-10.00PN	3500-HIT13	3500-TB13				
		1/2"									5			
12.00	1.25	1/2"			5			3522-12.00PN	3500-HIT15	3500-TB15				
		3/4"									5			
		3/8"									5			
14.00	1.25	1/2"			5			3522-14.00PN	3500-HIT17					
		3/4"									5			
											5			





GROUP	PCRK
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNC 1/4" – UNC 1/2"

INSERT				INCLUDED IN KIT						
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	20	1.5D	0.38"	468.84	3532-WK1	25	6.7	3532-1/4I	3500-HIT9	3500-TB9
5/16	18	1.5D	0.47"			25	8.3	3532-5/16I	3500-HIT10	3500-TB12
3/8	16	1.5D	0.56"			25	9.9	3532-3/8I	3500-HIT13	3500-TB12
7/16	14	1.5D	0.66"			10	11.6	3532-7/16I	3500-HIT14	3500-TB14
1/2	13	1.5D	0.75"			10	13.0	3532-1/2I	3500-HIT15	3500-TB15

UNF 1/4" – UNF 1/2"

INSERT				INCLUDED IN KIT						
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	28	1.5D	0.38"	468.84	3534-WK1	25	6.7	3534-1/4I	3500-HIT9	3500-TB9
5/16	24	1.5D	0.47"			25	8.3	3534-5/16I	3500-HIT11	3500-TB12
3/8	24	1.5D	0.56"			25	9.8	3534-3/8I	3500-HIT13	3500-TB13
7/16	20	1.5D	0.66"			10	11.5	3534-7/16I	3500-HIT14	3500-TB14
1/2	20	1.5D	0.75"			10	13.0	3534-1/2I	3500-HIT15	3500-TB15

BSW 1/4" – BSW 1/2"

INSERT				INCLUDED IN KIT						
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	20	1.5D	0.38"	475.80	3528-WK1	25	6.7	3528-1/4I	3500-HIT9	3500-TB9
5/16	18	1.5D	0.47"			25	8.3	3528-5/16I	3500-HIT10	3500-TB11
3/8	16	1.5D	0.56"			25	9.9	3528-3/8I	3500-HIT11	3500-TB12
7/16	14	1.5D	0.66"			10	11.5	3528-7/16I	3500-HIT14	3500-TB14
1/2	12	1.5D	0.75"			10	13.0	3528-1/2I	3500-HIT15	3500-TB15

BSF 1/4" – BSF 1/2"

INSERT				INCLUDED IN KIT						
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	26	1.5D	0.38"	619.04	3530-WK1	25	6.6	3530-1/4I	3500-HIT9	3500-TB9
5/16	22	1.5D	0.47"			25	8.3	3530-5/16I	3500-HIT11	3500-TB11
3/8	20	1.5D	0.56"			25	9.9	3530-3/8I	3500-HIT13	3500-TB12
7/16	18	1.5D	0.66"			10	11.5	3530-7/16I	3500-HIT14	3500-TB14
1/2	16	1.5D	0.75"			10	13.0	3530-1/2I	3500-HIT15	3500-TB15



**UNC
UNF
BSW
BSF**



MC

GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC COARSE										
MM	MM	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
2.00	0.40	1.0D	2.00MM	10	10.22	3520-2.00X1.0DP				
2.00	0.40	1.5D	3.00MM	10			11.25	3520-2.00X1.5DP		
2.00	0.40	2.0D	4.00MM	10					11.95	3520-2.00X2.0DP
2.20	0.45	1.0D	2.20MM	10	9.21	3520-2.20X1.0DP				
2.20	0.45	1.5D	3.30MM	10			9.89	3520-2.20X1.5DP		
2.20	0.45	2.0D	4.40MM	10					10.22	3520-2.20X2.0DP
2.50	0.45	1.0D	2.50MM	10	8.35	3520-2.50X1.0DP				
2.50	0.45	1.5D	3.75MM	10			8.89	3520-2.50X1.5DP		
2.50	0.45	2.0D	5.00MM	10					9.36	3520-2.50X2.0DP
3.00	0.50	1.0D	3.00MM	10	8.35	3520-3.00X1.0DP				
3.00	0.50	1.5D	4.50MM	10			8.89	3520-3.00X1.5DP		
3.00	0.50	2.0D	6.00MM	10					9.36	3520-3.00X2.0DP
3.50	0.60	1.0D	3.50MM	10	8.86	3520-3.50X1.0DP				
3.50	0.60	1.5D	5.25MM	10			9.53	3520-3.50X1.5DP		
3.50	0.60	2.0D	7.00MM	10					10.22	3520-3.50X2.0DP
4.00	0.70	1.0D	4.00MM	10	8.35	3520-4.00X1.0DP				
4.00	0.70	1.5D	6.00MM	10			8.89	3520-4.00X1.5DP		
4.00	0.70	2.0D	8.00MM	10					9.36	3520-4.00X2.0DP
5.00	0.80	1.0D	5.00MM	10	8.35	3520-5.00X1.0DP				
5.00	0.80	1.5D	7.50MM	10			8.89	3520-5.00X1.5DP		
5.00	0.80	2.0D	10.00MM	10					9.36	3520-5.00X2.0DP
6.00	1.00	1.0D	6.00MM	10	9.15	3520-6.00X1.0DP				
6.00	1.00	1.5D	9.00MM	10			10.03	3520-6.00X1.5DP		
6.00	1.00	2.0D	12.00MM	10					10.58	3520-6.00X2.0DP
7.00	1.00	1.0D	7.00MM	10	9.36	3520-7.00X1.0DP				
7.00	1.00	1.5D	10.50MM	10			10.96	3520-7.00X1.5DP		
7.00	1.00	2.0D	14.00MM	10					12.07	3520-7.00X2.0DP
8.00	1.25	1.0D	8.00MM	10	9.67	3520-8.00X1.0DP				
8.00	1.25	1.5D	12.00MM	10			10.96	3520-8.00X1.5DP		
8.00	1.25	2.0D	16.00MM	10					12.07	3520-8.00X2.0DP
9.00	1.25	1.0D	9.00MM	10	13.61	3520-9.00X1.0DP				
9.00	1.25	1.5D	13.50MM	10			15.40	3520-9.00X1.5DP		
9.00	1.25	2.0D	18.00MM	10					17.57	3520-9.00X2.0DP
10.00	1.50	1.0D	10.00MM	10	13.61	3520-10.00X1.0DP				
10.00	1.50	1.5D	15.00MM	10			15.40	3520-10.00X1.5DP		
10.00	1.50	2.0D	20.00MM	10					17.57	3520-10.00X2.0DP
11.00	1.50	1.0D	11.00MM	10	19.88	3520-11.00X1.0DP				
11.00	1.50	1.5D	16.50MM	10			21.50	3520-11.00X1.5DP		
11.00	1.50	2.0D	22.00MM	10					25.08	3520-11.00X2.0DP
12.00	1.75	1.0D	12.00MM	10	19.88	3520-12.00X1.0DP				
12.00	1.75	1.5D	18.00MM	10			21.50	3520-12.00X1.5DP		
12.00	1.75	2.0D	24.00MM	10					25.08	3520-12.00X2.0DP
13.00	1.75	1.0D	13.00MM	5	19.91	3520-13.00X1.0DP				
13.00	1.75	1.5D	19.50MM	5			25.50	3520-13.00X1.5DP		
13.00	1.75	2.0D	26.00MM	5					31.92	3520-13.00X2.0DP
14.00	2.00	1.0D	14.00MM	5	13.28	3520-14.00X1.0DP				
14.00	2.00	1.5D	21.00MM	5			17.04	3520-14.00X1.5DP		
14.00	2.00	2.0D	28.00MM	5					21.28	3520-14.00X2.0DP
15.00	2.00	1.0D	15.00MM	5	17.04	3520-15.00X1.0DP				
15.00	2.00	1.5D	22.50MM	5			20.97	3520-15.00X1.5DP		
15.00	2.00	2.0D	30.00MM	5					26.87	3520-15.00X2.0DP



GROUP	PCRPR
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC COARSE										
MM	MM	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
16.00	2.00	1.0D	16.00MM	5	17.04	3520-16.00X1.0DP				
16.00	2.00	1.5D	24.00MM	5			20.97	3520-16.00X1.5DP		
16.00	2.00	2.0D	32.00MM	5					26.87	3520-16.00X2.0DP
18.00	2.50	1.0D	18.00MM	5	24.34	3520-18.00X1.0DP				
18.00	2.50	1.5D	27.00MM	5			28.64	3520-18.00X1.5DP		
18.00	2.50	2.0D	36.00MM	5					37.61	3520-18.00X2.0DP
20.00	2.50	1.0D	20.00MM	5	34.04	3520-20.00X1.0DP				
20.00	2.50	1.5D	30.00MM	5			39.42	3520-20.00X1.5DP		
20.00	2.50	2.0D	40.00MM	5					44.80	3520-20.00X2.0DP
22.00	2.50	1.0D	22.00MM	3	25.79	3520-22.00X1.0DP				
22.00	2.50	1.5D	33.00MM	3			29.57	3520-22.00X1.5DP		
22.00	2.50	2.0D	44.00MM	3					34.40	3520-22.00X2.0DP
24.00	3.00	1.0D	24.00MM	3	32.23	3520-24.00X1.0DP				
24.00	3.00	1.5D	36.00MM	3			36.54	3520-24.00X1.5DP		
24.00	3.00	2.0D	48.00MM	3					41.90	3520-24.00X2.0DP

METRIC COARSE										
MM	MM	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
3.00	0.50	2.5D	7.50MM	10	10.10	3520-3.00X2.5DP				
4.00	0.70	2.5D	10.00MM	10	10.10	3520-4.00X2.5DP				
4.00	0.70	3.0D	12.00MM	10			11.27	3520-4.00X3.0DP		
6.00	1.00	2.5D	15.00MM	10	11.41	3520-6.00X2.5DP				
6.00	1.00	3.0D	18.00MM	10			12.60	3520-6.00X3.0DP		
7.00	1.00	3.0D	21.00MM	10			16.24	3520-7.00X3.0DP		
8.00	1.25	2.5D	20.00MM	10	15.02	3520-8.00X2.5DP				
8.00	1.25	3.0D	24.00MM	10			15.07	3520-8.00X3.0DP		
9.00	1.25	3.0D	27.00MM	10			25.08	3520-9.00X3.0DP		
10.00	1.50	2.5D	25.00MM	10	23.54	3520-10.00X2.5DP				
10.00	1.50	3.0D	30.00MM	10			25.08	3520-10.00X3.0DP		
12.00	1.75	2.5D	30.00MM	10	30.12	3520-12.00X2.5DP				
12.00	1.75	3.0D	36.00MM	10			32.23	3520-12.00X3.0DP		
14.00	2.00	2.5D	35.00MM	5	26.43	3520-14.00X2.5DP				
14.00	2.00	3.0D	42.00MM	5			30.65	3520-14.00X3.0DP		
16.00	2.00	2.5D	40.00MM	5	32.23	3520-16.00X2.5DP				
24.00	3.00	2.5D	60.00MM	3	50.51	3520-24.00X2.5DP				



GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC FINE										
MM	MM	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	\$
6.00	0.75	1.0D	6.00MM	10	9.15	3521-6.00X1.0DP				
6.00	0.75	1.5D	9.00MM	10			10.03	3521-6.00X1.5DP		
6.00	0.75	2.0D	12.00MM	10					10.58	3521-6.00X2.0DP
8.00	1.00	1.0D	8.00MM	10	9.67	3521-8.00X1.0DP				
8.00	1.00	1.5D	12.00MM	10			10.96	3521-8.00X1.5DP		
8.00	1.00	2.0D	16.00MM	10					12.07	3521-8.00X2.0DP
8.00	0.75	1.0D	8.00MM	10	13.61	3523-8.00X1.0DP				
8.00	0.75	1.5D	12.00MM	10			15.40	3523-8.00X1.5DP		
8.00	0.75	2.0D	16.00MM	10					17.57	3523-8.00X2.0DP
9.00	1.00	1.0D	9.00MM	10	13.61	3521-9.00X1.0DP				
9.00	1.00	1.5D	13.50MM	10			15.40	3521-9.00X1.5DP		
9.00	1.00	2.0D	18.00MM	10					17.57	3521-9.00X2.0DP
10.00	1.25	1.0D	10.00MM	10	13.61	3521-10.00X1.0DP				
10.00	1.25	1.5D	15.00MM	10			15.40	3521-10.00X1.5DP		
10.00	1.25	2.0D	20.00MM	10					17.57	3521-10.00X2.0DP
10.00	1.00	1.0D	10.00MM	10	13.61	3523-10.00X1.0DP				
10.00	1.00	1.5D	15.00MM	10			15.40	3523-10.00X1.5DP		
10.00	1.00	2.0D	20.00MM	10					17.57	3523-10.00X2.0DP
11.00	1.25	1.0D	11.00MM	10	19.88	3521-11.00X1.0DP				
11.00	1.25	1.5D	16.50MM	10			21.50	3521-11.00X1.5DP		
11.00	1.25	2.0D	22.00MM	10					25.08	3521-11.00X2.0DP
11.00	1.00	1.0D	11.00MM	10	19.88	3523-11.00X1.0DP				
11.00	1.00	1.5D	16.50MM	10			21.50	3523-11.00X1.5DP		
11.00	1.00	2.0D	22.00MM	10					25.08	3523-11.00X2.0DP
12.00	1.50	1.0D	12.00MM	10	19.88	3521-12.00X1.0DP				
12.00	1.50	1.5D	18.00MM	10			21.50	3521-12.00X1.5DP		
12.00	1.50	2.0D	24.00MM	10					25.08	3521-12.00X2.0DP
12.00	1.25	1.0D	12.00MM	10	19.88	3523-12.00X1.0DP				
12.00	1.25	1.5D	18.00MM	10			21.50	3523-12.00X1.5DP		
12.00	1.25	2.0D	24.00MM	10					25.08	3523-12.00X2.0DP
12.00	1.00	1.0D	12.00MM	10	21.50	3524-12.00X1.0DP				
12.00	1.00	1.5D	18.00MM	10			30.10	3524-12.00X1.5DP		
12.00	1.00	2.0D	24.00MM	10					37.98	3524-12.00X2.0DP
13.00	1.50	1.0D	13.00MM	5	19.91	3521-13.00X1.0DP				
13.00	1.50	1.5D	19.50MM	5			25.50	3521-13.00X1.5DP		
13.00	1.50	2.0D	26.00MM	5					31.92	3521-13.00X2.0DP
13.00	1.25	1.0D	13.00MM	5	19.91	3523-13.00X1.0DP				
13.00	1.25	1.5D	19.50MM	5			25.50	3523-13.00X1.5DP		
13.00	1.25	2.0D	26.00MM	5					31.92	3523-13.00X2.0DP
14.00	1.50	1.0D	14.00MM	5	13.28	3521-14.00X1.0DP				
14.00	1.50	1.5D	21.00MM	5			17.04	3521-14.00X1.5DP		
14.00	1.50	2.0D	28.00MM	5					21.28	3521-14.00X2.0DP
14.00	1.25	1.0D	14.00MM	5	13.26	3523-14.00X1.0DP				
14.00	1.25	1.5D	21.00MM	5			17.04	3523-14.00X1.5DP		
14.00	1.25	2.0D	28.00MM	5					25.08	3523-14.00X2.0DP
14.00	1.00	1.0D	14.00MM	5	14.33	3524-14.00X1.0DP				
14.00	1.00	1.5D	21.00MM	5			16.12	3524-14.00X1.5DP		
14.00	1.00	2.0D	28.00MM	5					25.08	3524-14.00X2.0DP
15.00	1.50	1.0D	15.00MM	5	17.04	3521-15.00X1.0DP				
15.00	1.50	1.5D	22.50MM	5			20.97	3521-15.00X1.5DP		
15.00	1.50	2.0D	30.00MM	5					26.87	3521-15.00X2.0DP



MF



GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC FINE										
MM	MM	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
16.00	1.50	1.0D	16.00MM	5	17.04	3521-16.00X1.0DP				
16.00	1.50	1.5D	24.00MM	5			20.97	3521-16.00X1.5DP		
16.00	1.50	2.0D	32.00MM	5					26.87	3521-16.00X2.0DP
18.00	2.00	1.0D	18.00MM	5	24.34	3521-18.00X1.0DP				
18.00	2.00	1.5D	27.00MM	5			28.64	3521-18.00X1.5DP		
18.00	2.00	2.0D	36.00MM	5					37.61	3521-18.00X2.0DP
18.00	1.50	1.0D	18.00MM	5	24.34	3523-18.00X1.0DP				
18.00	1.50	1.5D	27.00MM	5			28.64	3523-18.00X1.5DP		
18.00	1.50	2.0D	36.00MM	5					37.61	3523-18.00X2.0DP
20.00	2.00	1.0D	20.00MM	5	34.04	3521-20.00X1.0DP				
20.00	2.00	1.5D	30.00MM	5			39.42	3521-20.00X1.5DP		
20.00	2.00	2.0D	40.00MM	5					44.80	3521-20.00X2.0DP
20.00	1.50	1.0D	20.00MM	5	34.04	3523-20.00X1.0DP				
20.00	1.50	1.5D	30.00MM	5			39.42	3523-20.00X1.5DP		
20.00	1.50	2.0D	40.00MM	5					44.80	3523-20.00X2.0DP
20.00	1.25	1.5D	30.00MM	5			49.28	3524-20.00X1.5DP		
22.00	2.00	1.0D	22.00MM	3	25.79	3521-22.00X1.0DP				
22.00	2.00	1.5D	33.00MM	3			29.57	3521-22.00X1.5DP		
22.00	2.00	2.0D	44.00MM	3					34.40	3521-22.00X2.0DP
22.00	1.50	1.0D	22.00MM	3	25.79	3523-22.00X1.0DP				
22.00	1.50	1.5D	33.00MM	3			29.57	3523-22.00X1.5DP		
22.00	1.50	2.0D	44.00MM	3					34.40	3523-22.00X2.0DP
24.00	2.00	1.0D	24.00MM	3	32.23	3521-24.00X1.0DP				
24.00	2.00	1.5D	36.00MM	3			36.54	3521-24.00X1.5DP		
24.00	2.00	2.0D	48.00MM	3					41.90	3521-24.00X2.0DP
24.00	1.50	1.0D	24.00MM	3	32.23	3523-24.00X1.0DP				
24.00	1.50	1.5D	36.00MM	3			36.54	3523-24.00X1.5DP		
24.00	1.50	2.0D	48.00MM	3					41.90	3523-24.00X2.0DP





GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

SPARK PLUG									
MM	MM	INST LENGTH	#	\$	PART #	\$	PART #	\$	PART #
10.00	1.00	0.339"	10	13.93	3522-10.00X.339P				
10.00	1.00	1/2"	10			15.75	3522-10.00X1/2P		
12.00	1.25	1/2"	10			20.28	3522-12.00X1/2P		
12.00	1.25	3/4"	10					21.50	3522-12.00X3/4P
18.00	1.50	1/2"	5			16.82	3522-18.00X1/2P		

SPARK PLUG									
MM	MM	INST LENGTH	#	\$	PART #	\$	PART #	\$	PART #
14.00	1.25	3/8"	10	11.88	3522-14.00X3/8P				
14.00	1.25	7/16"	10			15.19	3522-14.00X7/16P		
14.00	1.25	1/2"	10					15.19	3522-14.00X7/16P
14.00	1.25	3/4"	10					23.78	3522-14.00X3/4P

SPARK PLUG									
MM	MM	INST LENGTH	#	\$	PART #	\$	PART #	\$	PART #
14.00	1.25	8.4MM	10	12.07	3522-14.00X8.4P				
14.00	1.25	12.4MM	10			18.70	3522-14.00X12.4P		
14.00	1.25	16.4MM	10					25.59	3522-14.00X16.4P





UNC



GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNC											
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	\$	PART #
2G	56	1.0D	0.09"	10	10.73	3532-2GX1.0DP					
2G	56	1.5D	0.13"	10			11.66	3532-2GX1.5DP			
2G	56	2.0D	0.17"	10					12.18	3532-2GX2.0DP	
3G	48	1.0D	0.10"	10	17.92	3532-3GX1.0DP					
3G	48	1.5D	0.15"	10			19.33	3532-3GX1.5DP			
3G	48	2.0D	0.20"	10					20.43	3532-3GX2.0DP	
4G	40	1.0D	0.11"	10	8.25	3532-4GX1.0DP					
4G	40	1.5D	0.17"	10			8.77	3532-4GX1.5DP			
4G	40	2.0D	0.22"	10					9.33	3532-4GX2.0DP	
5G	40	1.0D	0.13"	10	8.25	3532-5GX1.0DP					
5G	40	1.5D	0.19"	10			8.77	3532-5GX1.5DP			
5G	40	2.0D	0.25"	10					9.33	3532-5GX2.0DP	
6G	32	1.0D	0.14"	10	8.25	3532-6GX1.0DP					
6G	32	1.5D	0.21"	10			8.77	3532-6GX1.5DP			
6G	32	2.0D	0.28"	10					9.33	3532-6GX2.0DP	
8G	32	1.0D	0.16"	10	8.25	3532-8GX1.0DP					
8G	32	1.5D	0.25"	10			8.77	3532-8GX1.5DP			
8G	32	2.0D	0.33"	10					9.33	3532-8GX2.0DP	
10G	24	1.0D	0.19"	10	8.25	3532-10GX1.0DP					
10G	24	1.5D	0.29"	10			8.77	3532-10GX1.5DP			
10G	24	2.0D	0.38"	10					9.33	3532-10GX2.0DP	
12G	24	1.0D	0.22"	10	9.51	3532-12GX1.0DP					
12G	24	1.5D	0.32"	10			9.87	3532-12GX1.5DP			
12G	24	2.0D	0.43"	10					11.10	3532-12GX2.0DP	
1/4	20	1.0D	0.25"	10	9.51	3532-1/4X1.0DP					
1/4	20	1.5D	0.38"	10			9.87	3532-1/4X1.5DP			
1/4	20	2.0D	0.50"	10					11.10	3532-1/4X2.0DP	
5/16	18	1.0D	0.31"	10	10.40	3532-5/16X1.0DP					
5/16	18	1.5D	0.47"	10			10.94	3532-5/16X1.5DP			
5/16	18	2.0D	0.63"	10					12.01	3532-5/16X2.0DP	
3/8	16	1.0D	0.38"	10	13.98	3532-3/8X1.0DP					
3/8	16	1.5D	0.56"	10			15.40	3532-3/8X1.5DP			
3/8	16	2.0D	0.75"	10					17.92	3532-3/8X2.0DP	
7/16	14	1.0D	0.44"	10	17.19	3532-7/16X1.0DP					
7/16	14	1.5D	0.66"	10			18.27	3532-7/16X1.5DP			
7/16	14	2.0D	0.88"	10					20.43	3532-7/16X2.0DP	
1/2	13	1.0D	0.50"	10	19.70	3532-1/2X1.0DP					
1/2	13	1.5D	0.75"	10			20.97	3532-1/2X1.5DP			
1/2	13	2.0D	1.00"	10					23.64	3532-1/2X2.0DP	
9/16	12	1.0D	0.56"	5	12.53	3532-9/16X1.0DP					
9/16	12	1.5D	0.84"	5			14.33	3532-9/16X1.5DP			
9/16	12	2.0D	1.13"	5					20.61	3532-9/16X2.0DP	
5/8	11	1.0D	0.63"	5	16.84	3532-5/8X1.0DP					
5/8	11	1.5D	0.94"	5			20.61	3532-5/8X1.5DP			
5/8	11	2.0D	1.25"	5					26.16	3532-5/8X2.0DP	
3/4	10	1.0D	0.75"	5	24.20	3532-3/4X1.0DP					
3/4	10	1.5D	1.13"	5			28.58	3532-3/4X1.5DP			
3/4	10	2.0D	1.50"	5					37.61	3532-3/4X2.0DP	
7/8	9	1.0D	0.88"	3	24.73	3532-7/8X1.0DP					
7/8	9	1.5D	1.31"	3			29.02	3532-7/8X1.5DP			
7/8	9	2.0D	1.75"	3					33.32	3532-7/8X2.0DP	
1	8	1.0D	1.00"	3	31.72	3532-1X1.0DP					
1	8	1.5D	1.50"	3			36.54	3532-1X1.5DP			
1	8	2.0D	2.00"	3					41.90	3532-1X2.0DP	





GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNF										
INCH	TPI	INSTALLED LENGTH		#	\$	PART #	\$	PART #	\$	PART #
3G	56	1.0D	0.10"	10	17.92	3534-3GX1.0DP				
3G	56	1.5D	0.15"	10			19.33	3534-3GX1.5DP		
3G	56	2.0D	0.20"	10					20.43	3534-3GX2.0DP
4G	48	1.0D	0.11"	10	8.25	3534-4GX1.0DP				
4G	48	1.5D	0.17"	10			8.77	3534-4GX1.5DP		
4G	48	2.0D	0.22"	10					9.33	3534-4GX2.0DP
6G	40	1.0D	0.14"	10	8.25	3534-6GX1.0DP				
6G	40	1.5D	0.21"	10			8.77	3534-6GX1.5DP		
6G	40	2.0D	0.28"	10					9.33	3534-6GX2.0DP
8G	36	1.0D	0.16"	10	8.25	3534-8GX1.0DP				
8G	36	1.5D	0.25"	10			8.77	3534-8GX1.5DP		
8G	36	2.0D	0.33"	10					9.33	3534-8GX2.0DP
10G	32	1.0D	0.19"	10	8.25	3534-10GX1.0DP				
10G	32	1.5D	0.29"	10			8.77	3534-10GX1.5DP		
10G	32	2.0D	0.38"	10					9.33	3534-10GX2.0DP
12G	28	1.0D	0.22"	10	9.51	3534-12GX1.0DP				
12G	28	1.5D	0.32"	10			9.87	3534-12GX1.5DP		
12G	28	2.0D	0.43"	10					11.10	3534-12GX2.0DP
1/4	32	1.5D	0.38"	10			12.06	3535-1/4X1.5DP		
1/4	28	1.0D	0.25"	10	9.51	3534-1/4X1.0DP				
1/4	28	1.5D	0.38"	10			9.87	3534-1/4X1.5DP		
1/4	28	2.0D	0.50"	10					11.10	3534-1/4X2.0DP
5/16	24	1.0D	0.31"	10	10.40	3534-5/16X1.0DP				
5/16	24	1.5D	0.47"	10			10.94	3534-5/16X1.5DP		
5/16	24	2.0D	0.62"	10					12.01	3534-5/16X2.0DP
3/8	24	1.0D	0.38"	10	13.98	3534-3/8X1.0DP				
3/8	24	1.5D	0.57"	10			15.40	3534-3/8X1.5DP		
3/8	24	2.0D	0.76"	10					17.92	3534-3/8X2.0DP
7/16	20	1.0D	0.44"	10	17.19	3534-7/16X1.0DP				
7/16	20	1.5D	0.66"	10			18.27	3534-7/16X1.5DP		
7/16	20	2.0D	0.88"	10					20.43	3534-7/16X2.0DP
1/2	20	1.0D	0.50"	10	19.70	3534-1/2X1.0DP				
1/2	20	1.5D	0.75"	10			20.97	3534-1/2X1.5DP		
1/2	20	2.0D	1.00"	10					23.64	3534-1/2X2.0DP
9/16	18	1.0D	0.56"	5	12.53	3534-9/16X1.0DP				
9/16	18	1.5D	0.84"	5			14.33	3534-9/16X1.5DP		
9/16	18	2.0D	1.12"	5					20.61	3534-9/16X2.0DP
5/8	18	1.0D	0.63"	5	16.84	3534-5/8X1.0DP				
5/8	18	1.5D	0.95"	5			20.61	3534-5/8X1.5DP		
5/8	18	2.0D	1.26"	5					26.16	3534-5/8X2.0DP
3/4	16	1.0D	0.75"	5	24.20	3534-3/4X1.0DP				
3/4	16	1.5D	1.13"	5			28.58	3534-3/4X1.5DP		
3/4	16	2.0D	1.50"	5					37.61	3534-3/4X2.0DP
7/8	14	1.0D	0.88"	3	24.73	3534-7/8X1.0DP				
7/8	14	1.5D	1.32"	3			29.02	3534-7/8X1.5DP		
7/8	14	2.0D	1.76"	3					33.32	3534-7/8X2.0DP
1	14	1.0D	1.00"	3	31.72	3535-1X1.0DP				
1	14	1.5D	1.50"	3			36.54	3535-1X1.5DP		
1	14	2.0D	2.00"	3					41.90	3535-1X2.0DP
1	12	1.0D	1.00"	3	31.72	3534-1X1.0DP				
1	12	1.5D	1.50"	3			36.54	3534-1X1.5DP		
1	12	2.0D	2.00"	3					41.90	3534-1X2.0DP





GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSW										
					1.0D		1.5D		2.0D	
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
1/8	40	1.0D	0.13"	10	9.67	3528-1/8X1.0DP				
1/8	40	1.5D	0.20"	10			10.03	3528-1/8X1.5DP		
1/8	40	2.0D	0.26"	10					10.73	3528-1/8X2.0DP
3/16	24	1.0D	0.19"	10	8.35	3528-3/16X1.0DP				
3/16	24	1.5D	0.29"	10			8.86	3528-3/16X1.5DP		
3/16	24	2.0D	0.38"	10					9.36	3528-3/16X2.0DP
1/4	20	1.0D	0.25"	10	9.51	3528-1/4X1.0DP				
1/4	20	1.5D	0.38"	10			9.87	3528-1/4X1.5DP		
1/4	20	2.0D	0.50"	10					11.10	3528-1/4X2.0DP
5/16	18	1.0D	0.31"	10	9.67	3528-5/16X1.0DP				
5/16	18	1.5D	0.47"	10			11.10	3528-5/16X1.5DP		
5/16	18	2.0D	0.62"	10					13.26	3528-5/16X2.0DP
3/8	16	1.0D	0.38"	10	13.61	3528-3/8X1.0DP				
3/8	16	1.5D	0.57"	10			15.40	3528-3/8X1.5DP		
3/8	16	2.0D	0.76"	10					17.57	3528-3/8X2.0DP
7/16	14	1.0D	0.44"	10	16.84	3528-7/16X1.0DP				
7/16	14	1.5D	0.66"	10			18.27	3528-7/16X1.5DP		
7/16	14	2.0D	0.88"	10					20.06	3528-7/16X2.0DP
1/2	12	1.0D	0.50"	10	19.88	3528-1/2X1.0DP				
1/2	12	1.5D	0.75"	10			21.14	3528-1/2X1.5DP		
1/2	12	2.0D	1.00"	10					25.08	3528-1/2X2.0DP
9/16	12	1.0D	0.56"	5	12.53	3528-9/16X1.0DP				
9/16	12	1.5D	0.84"	5			14.33	3528-9/16X1.5DP		
9/16	12	2.0D	1.12"	5					20.61	3528-9/16X2.0DP
5/8	11	1.0D	0.63"	5	16.84	3528-5/8X1.0DP				
5/8	11	1.5D	0.95"	5			21.50	3528-5/8X1.5DP		
5/8	11	2.0D	1.26"	5					26.87	3528-5/8X2.0DP
3/4	10	1.0D	0.75"	5	24.20	3528-3/4X1.0DP				
3/4	10	1.5D	1.13"	5			28.64	3528-3/4X1.5DP		
3/4	10	2.0D	1.50"	5					37.61	3528-3/4X2.0DP
7/8	9	1.0D	0.88"	3	24.73	3528-7/8X1.0DP				
7/8	9	1.5D	1.32"	3			29.02	3528-7/8X1.5DP		
7/8	9	2.0D	1.76"	3					33.32	3528-7/8X2.0DP
1	8	1.0D	1.00"	3	32.23	3528-1X1.0DP				
1	8	1.5D	1.50"	3			36.54	3528-1X1.5DP		
1	8	2.0D	2.00"	3					41.90	3528-1X2.0DP



GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSF											
INCH	TPI	INSTALLED LENGTH		#	\$	PART #	\$	PART #	\$	PART #	
3/16	32	1.0D	0.19"	10	8.35	3530-3/16X1.0DP					
3/16	32	1.5D	0.29"	10			8.86	3530-3/16X1.5DP			
3/16	32	2.0D	0.38"	10					9.36	3530-3/16X2.0DP	
1/4	26	1.0D	0.25"	10	9.51	3530-1/4X1.0DP					
1/4	26	1.5D	0.38"	10			9.87	3530-1/4X1.5DP			
1/4	26	2.0D	0.50"	10					11.10	3530-1/4X2.0DP	
5/16	22	1.0D	0.31"	10	9.67	3530-5/16X1.0DP					
5/16	22	1.5D	0.47"	10			11.10	3530-5/16X1.5DP			
5/16	22	2.0D	0.62"	10					13.26	3530-5/16X2.0DP	
3/8	20	1.0D	0.38"	10	13.61	3530-3/8X1.0DP					
3/8	20	1.5D	0.57"	10			15.40	3530-3/8X1.5DP			
3/8	20	2.0D	0.76"	10					17.57	3530-3/8X2.0DP	
7/16	18	1.0D	0.44"	10	16.84	3530-7/16X1.0DP					
7/16	18	1.5D	0.66"	10			18.27	3530-7/16X1.5DP			
7/16	18	2.0D	0.88"	10					20.06	3530-7/16X2.0DP	
1/2	16	1.0D	0.50"	10	19.88	3530-1/2X1.0DP					
1/2	16	1.5D	0.75"	10			21.14	3530-1/2X1.5DP			
1/2	16	2.0D	1.00"	10					25.08	3530-1/2X2.0DP	
9/16	16	1.0D	0.56"	5	12.53	3530-9/16X1.0DP					
9/16	16	1.5D	0.84"	5			14.33	3530-9/16X1.5DP			
9/16	16	2.0D	1.12"	5					20.61	3530-9/16X2.0DP	
5/8	14	1.0D	0.63"	5	16.84	3530-5/8X1.0DP					
5/8	14	1.5D	0.95"	5			21.50	3530-5/8X1.5DP			
5/8	14	2.0D	1.26"	5					26.87	3530-5/8X2.0DP	
3/4	12	1.0D	0.75"	5	24.20	3530-3/4X1.0DP					
3/4	12	1.5D	1.13"	5			28.64	3530-3/4X1.5DP			
3/4	12	2.0D	1.50"	5					37.61	3530-3/4X2.0DP	
7/8	11	1.0D	0.88"	3	24.73	3530-7/8X1.0DP					
7/8	11	1.5D	1.32"	3			29.02	3530-7/8X1.5DP			
7/8	11	2.0D	1.76"	3					33.32	3530-7/8X2.0DP	
1	10	1.0D	1.00"	3	32.23	3530-1X1.0DP					
1	10	1.5D	1.50"	3			36.54	3530-1X1.5DP			
1	10	2.0D	2.00"	3					41.90	3530-1X2.0DP	





GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSC										
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
1/4	26	1.5D 0.38"	10			13.07	3560-1/4X1.5DP			
5/16	26	1.5D 0.47"	10			17.09	3560-5/16X1.5DP			
3/8	26	1.5D 0.56"	10			19.84	3560-3/8X1.5DP			
7/16	26	1.5D 0.66"	10			27.56	3560-7/16X1.5DP			
1/2	26	1.5D 0.75"	10			44.10	3560-1/2X1.5DP			




BSP										
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
1/8	28	1.5D 0.19"	10			23.50	3546-1/8X1.5DP			
1/4	19	1.5D 0.38"	10			34.40	3546-1/4X1.5DP			
1/4	19	2.0D 0.50"	10					45.91	3546-1/4X2.0DP	
3/8	19	1.5D 0.56"	10			43.00	3546-3/8X1.5DP			
1/2	14	1.5D 0.75"	5			35.11	3546-1/2X1.5DP			
5/8	14	1.5D 0.94"	5			50.16	3546-5/8X1.5DP			
5/8	14	2.0D 1.25"	5					63.04	3546-5/8X2.0DP	
3/4	14	1.0D 0.75"	5	43.00	3546-3/4X1.0DP					
3/4	14	1.5D 1.13"	5			51.60	3546-3/4X1.5DP			
7/8	14	1.5D 1.32"	3			32.23	3546-7/8X1.5DP			
1	11	1.5D 1.50"	3			40.84	3546-1X1.5DP			

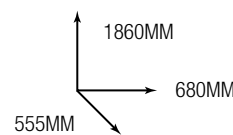
NPT										
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
1/16	27	0.271"	10	23.50	3552-1/16X.271P					
1/8	27	0.273"	10	23.50	3552-1/8X.273P					
1/4	18	0.394"	10	34.40	3552-1/4X.394P					
3/8	18	0.407"	10	43.00	3552-3/8X.407P					
1/2	14	0.534"	5	35.11	3552-1/2X.534P					
3/4	14	0.553"	5	51.60	3552-3/4X.553P					
1	11.5	0.661"	3	40.84	3552-1X.661P					



GROUP	-
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

MERCHANDISER	\$	PART #
POWERCOIL HANG SELL MERCHANDISER	3,257.43	3500-D1

CONTENTS			
			
#	MM / INCH	PART #	PART #
METRIC COARSE			
1	4 x 0.7	3520-4.00K	3520-4.00 x 1.5DP
1	5 x 0.8	3520-5.00K	3520-5.00 x 1.5DP
1	6 x 1.0	3520-6.00K	3520-6.00 x 1.5DP
1	6 x 1.0	-	3520-6.00 x 2.0DP
1	8 x 1.25	3520-8.00K	3520-8.00 x 1.5DP
1	8 x 1.25	-	3520-8.00 x 2.0DP
1	10 x 1.5	3520-10.00K	3520-10.00 x 1.5DP
1	12 x 1.75	3520-12.00K	3520-12.00 x 1.5DP
1	12 x 1.75	-	3520-12.00 x 2.0DP
1	16 x 2.0	3520-16.00K	3520-16.00 x 1.5DP
1	10 x 1.25	3521-10.00K	3521-10.00 x 1.5DP
1	12 x 1.5	3521-12.00K	3521-12.00 x 1.5DP
SPARK PLUG			
1	12 x 1.25	3522-12.00K	3522-12.00 x 1/2P
1	12 x 1.25	-	3522-12.00 x 3/4P
1	14 x 1.25	3522-14.00K	3522-14.00 x 3/8P
1	14 x 1.25	-	3522-14.00 x 1/2P
1	14 x 1.25	-	3522-14.00 x 3/4P
UNC			
1	1/4 x 20	3532-1/4K	3532-1/4 x 1.5DP
1	5/16 x 18	3532-5/16K	3532-5/16 x 1.5DP
1	3/8 x 16	3532-3/8K	3532-3/8 x 1.5DP
1	3/8 x 16	-	3532-3/8 x 2.0DP
1	7/16 x 14	3532-7/16K	3532-7/16 x 1.5DP
1	1/2 x 13	3532-1/2K	3532-1/2 x 1.5DP
1	5/8 x 11	3532-5/8K	3532-5/8 x 1.5DP
1	3/4 x 10	3532-3/4K	3532-3/4 x 1.5DP
UNF			
1	1/4 x 28	3534-1/4K	3534-1/4 x 1.5DP
1	5/16 x 24	3534-5/16K	3534-5/16 x 1.5DP
1	3/8 x 24	3534-3/8K	3534-3/8 x 1.5DP
1	7/16 x 20	3534-7/16K	3534-7/16 x 1.5DP
1	1/2 x 20	3534-1/2K	3534-1/2 x 1.5DP
BSW			
1	1/2 x 12	3528-1/2K	3528-1/2 x 1.5DP



Picture is representative of merchandiser appearance.
Actual contents as listed.



MC



GROUP	-	
INSERT TYPE	WIRE THREAD	
INSERT MATERIAL	304 STAINLESS STEEL	
STYLE	FREE RUNNING	

MERCHANDISER	\$	PART #
POWERCOIL BENCH MERCHANDISER	971.45	3500-CS1

CONTENTS			
#	MM / INCH	PART #	PART #
	METRIC COARSE		
1	5 x 0.8	3520-5.00K	3520-5.00 x 1.5DP
1	6 x 1.0	3520-6.00K	3520-6.00 x 1.0DP
1	6 x 1.0	-	3520-6.00 x 1.5DP
1	6 x 1.0	-	3520-6.00 x 2.0DP
1	8 x 1.25	3520-8.00K	3520-8.00 x 1.0DP
1	8 x 1.25	-	3520-8.00 x 1.5DP
1	8 x 1.25	-	3520-8.00 x 2.0DP
1	10 x 1.5	3520-10.00K	3520-10.00 x 1.5DP
1	10 x 1.5	-	3520-10.00 x 2.0DP
1	12 x 1.75	3520-12.00K	3520-12.00 x 1.5DP
1	16 x 2.0	3520-16.00K	3520-16.00 x 1.5DP
	SPARK PLUG		
1	14 x 1.25	3522-14.00K	3522-14.00 x 3/8P
1	14 x 1.25	-	3522-14.00 x 1/2P
1	14 x 1.25	-	3522-14.00 x 3/4P

MERCHANDISER	\$	PART #
POWERCOIL HANG SELL MERCHANDISER	952.97	3500-CS2

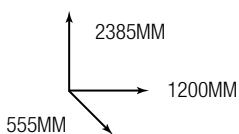
CONTENTS			
#	MM / INCH	PART #	PART #
	METRIC COARSE		
1	6 x 1.0	3520-6.00K	3520-6.00 x 1.0DP
1	6 x 1.0	-	3520-6.00 x 1.5DP
1	6 x 1.0	-	3520-6.00 x 2.0DP
1	8 x 1.25	3520-8.00K	3520-8.00 x 1.0DP
1	8 x 1.25	-	3520-8.00 x 1.5DP
1	8 x 1.25	-	3520-8.00 x 2.0DP
1	10 x 1.5	3520-10.00K	3520-10.00 x 1.5DP
1	12 x 1.75	3520-12.00K	3520-12.00 x 1.5DP
	UNC		
1	1/4 x 20	3532-1/4K	3532-1/4 x 1.5DP
1	5/16 x 18	3532-5/16K	3532-5/16 x 1.5DP
1	3/8 x 16	3532-3/8K	3532-3/8 x 1.5DP
1	3/8 x 16	-	3532-3/8 x 2.0DP
1	1/2 x 13	3532-1/2K	3532-1/2 x 1.5DP

PowerCoil bench merchandisers are double sided units that display thread repair kits on one side and replacement insert packets on the other.





**MC
UNC**



Picture is representative of merchandiser appearance.
Actual contents as listed.

GROUP	—
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

MERCHANDISER	\$	PART #
POWERCOIL DISPLAY BAY MERCHANDISER	8,716.61	3500-FD1

CONTENTS			
#	MM / INCH	PART #	PART #
	METRIC COARSE		
1	2.5 x 0.45	3520-2.50K	3520-2.50X1.5DP
1	3 x 0.5	3520-3.00K	3520-3.00X1.5DP
1	4 x 0.7	3520-4.00K	3520-4.00X1.5DP
1	5 x 0.8	3520-5.00K	3520-5.00X1.5DP
1	6 x 1.0	3520-6.00K	3520-6.00X1.0DP
1	6 x 1.0	—	3520-6.00X1.5DP
1	6 x 1.0	—	3520-6.00X2.0DP
1	7 x 1.0	3520-7.00K	3520-7.00X1.5DP
1	8 x 1.25	3520-8.00K	3520-8.00X1.0DP
1	8 x 1.25	—	3520-8.00X1.5DP
1	8 x 1.25	—	3520-8.00X2.0DP
1	9 x 1.25	3520-9.00K	—
1	10 x 1.5	3520-10.00K	3520-10.00X1.0DP
1	10 x 1.5	—	3520-10.00X1.5DP
1	10 x 1.5	—	3520-10.00X2.0DP
1	11 x 1.5	3520-11.00K	—
1	12 x 1.75	3520-12.00K	3520-12.00X1.0DP
1	12 x 1.75	—	3520-12.00X1.5DP
1	12 x 1.75	—	3520-12.00X2.0DP
1	14 x 2.0	3520-14.00K	3520-14.00X1.5DP
1	16 x 2.0	3520-16.00K	3520-16.00X1.5DP
1	18 x 2.5	3520-18.00K	3520-18.00X1.5DP
1	20 x 2.5	3520-20.00K	3520-20.00X1.5DP
1	24 x 3.0	3520-24.00K	3520-24.00X1.5DP
	METRIC FINE		
1	8 x 1.0	3521-8.00K	3521-8.00X1.5DP
1	10 x 1.25	3521-10.00K	3521-10.00X1.5DP
1	10 x 1.0	3523-10.00K	3523-10.00X1.5DP
1	12 x 1.5	3521-12.00K	3521-12.00X1.5DP
1	12 x 1.25	3523-12.00K	3523-12.00X1.5DP
1	14 x 1.5	3521-14.00K	3521-14.00X1.5DP
1	16 x 1.5	3521-16.00K	3521-16.00X1.5DP
1	18 x 1.5	3523-18.00K	3523-18.00X1.5DP
1	20 x 1.5	3523-20.00K	3523-20.00X1.5DP
	SPARK PLUG		
1	12 x 1.25	3522-12.00K	3522-12.00 x 1/2P
1	12 x 1.25	—	3522-12.00 x 3/4P
1	14 x 1.25	3522-14.00K	3522-14.00 x 3/8P
1	14 x 1.25	—	3522-14.00 x 1/2P
1	14 x 1.25	—	3522-14.00 x 3/4P
	UNC		
1	4G x 40	3532-4GK	3532-4GX1.5DP
1	6G x 32	3532-6GK	3532-6GX1.5DP
1	8G x 32	3532-8GK	3532-8GX1.5DP
1	10G x 24	3532-10GK	3532-10GX1.5DP
1	12G x 24	3532-12GK	3532-12GX1.5DP
1	1/4 x 20	3532-1/4K	3532-1/4X1.5DP
1	5/16 x 18	3532-5/16K	3532-5/16X1.5DP
1	3/8 x 16	3532-3/8K	3532-3/8X1.5DP
1	7/16 x 14	3532-7/16K	3532-7/16X1.5DP
1	1/2 x 13	3532-1/2K	3532-1/2X1.5DP
1	9/16 x 12	3532-9/16K	3532-9/16X1.5DP
1	5/8 x 11	3532-5/8K	3532-5/8X1.5DP
1	3/4 x 10	3532-3/4K	3532-3/4X1.5DP
1	7/8 x 9	3532-7/8K	3532-7/8X1.5DP
1	1 x 8	3532-1K	3532-1X1.5DP
	UNF		
1	10G x 32	3534-10GK	3534-10GX1.5DP
1	1/4 x 28	3534-1/4K	3534-1/4X1.5DP
1	5/16 x 24	3534-5/16K	3534-5/16X1.5DP
1	3/8 x 24	3534-3/8K	3534-3/8X1.5DP
1	7/16 x 20	3534-7/16K	3534-7/16X1.5DP
1	1/2 x 20	3534-1/2K	3534-1/2X1.5DP
1	9/16 x 18	3534-9/16K	3534-9/16X1.5DP
1	5/8 x 18	3534-5/8K	3534-5/8X1.5DP
1	3/4 x 16	3534-3/4K	3534-3/4X1.5DP
	BSW		
1	1/2 x 12	3528-1/2K	3528-1/2 x 1.5DP
	BSP		
1	1/8 x 28	3546-1/8K	3546-1/8X1.5DP
1	1/4 x 19	3546-1/4K	3546-1/4X1.5DP



METRIC COARSE
1.0D, 1.5D



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC COARSE – 1.0D BULK INSERTS

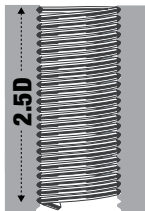
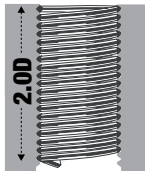
D	MM	MM	MM	PART #	1.0D													
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
MM	MM	MM	MM	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
2.00	0.40	2.00	3520-2.00X1.0D						1.021	1.021	1.021	0.714	0.714	0.714	0.511	0.408	0.408	0.307
2.20	0.45	2.20	3520-2.20X1.0D						0.918	0.918	0.918	0.647	0.647	0.647	0.465	0.363	0.363	0.272
2.50	0.45	2.50	3520-2.50X1.0D						0.839	0.839	0.839	0.590	0.590	0.590	0.420	0.329	0.329	0.250
3.00	0.50	3.00	3520-3.00X1.0D						0.839	0.839	0.839	0.590	0.590	0.590	0.420	0.329	0.329	0.250
3.50	0.60	3.50	3520-3.50X1.0D						0.885	0.885	0.885	0.624	0.624	0.624	0.442	0.352	0.352	0.261
4.00	0.70	4.00	3520-4.00X1.0D						0.839	0.839	0.839	0.590	0.590	0.590	0.420	0.329	0.329	0.250
5.00	0.80	5.00	3520-5.00X1.0D						0.839	0.839	0.839	0.590	0.590	0.590	0.420	0.329	0.329	0.250
6.00	1.00	6.00	3520-6.00X1.0D						0.918	0.918	0.918	0.635	0.635	0.635	0.454	0.363	0.363	0.272
7.00	1.00	7.00	3520-7.00X1.0D						0.941	0.941	0.941	0.658	0.658	0.658	0.465	0.374	0.374	0.283
8.00	1.25	8.00	3520-8.00X1.0D						0.965	0.965	0.965	0.680	0.680	0.680	0.488	0.386	0.386	0.295
9.00	1.25	9.00	3520-9.00X1.0D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408
10.00	1.50	10.00	3520-10.00X1.0D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408
11.00	1.50	11.00	3520-11.00X1.0D						1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
12.00	1.75	12.00	3520-12.00X1.0D						1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
13.00	1.75	13.00	3520-13.00X1.0D					3.982	3.982	3.982	2.790	2.790	2.790	1.985	1.588	1.588	1.191	1.191
14.00	2.00	14.00	3520-14.00X1.0D					2.654	2.654	2.654	1.861	1.861	1.861	1.327	1.066	1.066	0.794	0.794
15.00	2.00	15.00	3520-15.00X1.0D					3.414	3.414	3.414	2.393	2.393	2.393	1.702	1.361	1.361	1.021	1.021
16.00	2.00	16.00	3520-16.00X1.0D					3.403	3.403	3.403	2.383	2.383	2.383	1.702	1.361	1.361	1.021	1.021
18.00	2.50	18.00	3520-18.00X1.0D					4.866	4.866	4.866	3.414	3.414	3.414	2.439	1.951	1.951	1.463	1.463
20.00	2.50	20.00	3520-20.00X1.0D					6.806	6.806	4.764	4.764	4.764	3.403	2.723	2.723	2.042	2.042	2.042
22.00	2.50	22.00	3520-22.00X1.0D					8.599	8.599	6.024	6.024	6.024	4.299	3.437	3.437	2.575	2.575	2.575
24.00	3.00	24.00	3520-24.00X1.0D					10.743	10.743	7.520	7.520	7.520	5.377	4.299	4.299	3.221	3.221	3.221

METRIC COARSE – 1.5D BULK INSERTS

D	MM	MM	MM	PART #	1.5D													
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
MM	MM	MM	MM	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
2.00	0.40	3.00	3520-2.00X1.5D						1.123	1.123	1.123	0.783	0.783	0.783	0.568	0.454	0.454	0.341
2.20	0.45	3.30	3520-2.20X1.5D						0.987	0.987	0.987	0.693	0.693	0.693	0.499	0.397	0.397	0.295
2.50	0.45	3.75	3520-2.50X1.5D						0.885	0.885	0.885	0.624	0.624	0.624	0.442	0.352	0.352	0.261
3.00	0.50	4.50	3520-3.00X1.5D						0.885	0.885	0.885	0.624	0.624	0.624	0.442	0.352	0.352	0.261
3.50	0.60	5.25	3520-3.50X1.5D						0.953	0.953	0.953	0.669	0.669	0.669	0.476	0.386	0.386	0.283
4.00	0.70	6.00	3520-4.00X1.5D						0.885	0.885	0.885	0.624	0.624	0.624	0.442	0.352	0.352	0.261
5.00	0.80	7.50	3520-5.00X1.5D						0.885	0.885	0.885	0.624	0.624	0.624	0.442	0.352	0.352	0.261
6.00	1.00	9.00	3520-6.00X1.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307
7.00	1.00	10.50	3520-7.00X1.5D						1.100	1.100	1.100	0.772	0.772	0.772	0.545	0.442	0.442	0.329
8.00	1.25	12.00	3520-8.00X1.5D						1.100	1.100	1.100	0.772	0.772	0.772	0.545	0.442	0.442	0.329
9.00	1.25	13.50	3520-9.00X1.5D						1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465
10.00	1.50	15.00	3520-10.00X1.5D						1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465
11.00	1.50	16.50	3520-11.00X1.5D						2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647
12.00	1.75	18.00	3520-12.00X1.5D						2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647
13.00	1.75	19.50	3520-13.00X1.5D					5.093	5.093	5.093	3.572	3.572	3.572	2.552	2.042	2.042	1.531	1.531
14.00	2.00	21.00	3520-14.00X1.5D					3.403	3.403	3.403	2.383	2.383	2.383	1.702	1.361	1.361	1.021	1.021
15.00	2.00	22.50	3520-15.00X1.5D					4.196	4.196	4.196	2.938	2.938	2.938	2.099	1.679	1.679	1.259	1.259
16.00	2.00	24.00	3520-16.00X1.5D					4.186	4.186	4.186	2.938	2.938	2.938	2.099	1.679	1.679	1.259	1.259
18.00	2.50	27.00	3520-18.00X1.5D					5.728	5.728	5.728	4.016	4.016	4.016	2.869	2.292	2.292	1.724	1.724
20.00	2.50	30.00	3520-20.00X1.5D					7.884	7.884	5.513	5.513	5.513	3.936	3.154	3.154	2.359	2.359	2.359
22.00	2.50	33.00	3520-22.00X1.5D					9.847	9.847	6.896	6.896	6.896	4.923	3.936	3.936	2.961	2.961	2.961
24.00	3.00	36.00	3520-24.00X1.5D					12.183	12.183	8.530	8.530	8.530	6.092	4.879	4.879	3.652	3.652	3.652
27.00	3.00	40.50	3520-27.00X1.5D					18.377	18.377	12.864	12.864	9.188	7.351	7.351	5.513	5.513	5.513	5.513
30.00	3.50	45.00	3520-30.00X1.5D					20.418	20.418	14.293	14.293	10.210	8.168	8.168	6.126	6.126	6.126	6.126
33.00	3.50	49.50	3520-33.00X1.5D					23.289	23.289	16.301	16.301	11.639	9.313	9.313	6.988	6.988	6.988	6.988
36.00	4.00	54.00	3520-36.00X1.5D					25.081	25.081	17.560	17.560	12.534	10.028	10.028	7.520	7.520	7.520	7.520
42.00	4.50	63.00	3520-42.00X1.5D	31.79	31.79	31.79	31.79	31.79	31.79	31.79	31.79	25.22	25.22	25.22	25.22	18.89	18.89	18.89



MC



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC COARSE – 2.0D BULK INSERTS																		
				2.0D	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
MM	MM	MM	PART #		1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
2.00	0.40	4.00	3520-2.00X2.0D						1.191	1.191	1.191	0.839	0.839	0.839	0.601	0.476	0.476	0.363
2.20	0.45	4.40	3520-2.20X2.0D						1.021	1.021	1.021	0.714	0.714	0.714	0.511	0.408	0.408	0.307
2.50	0.45	5.00	3520-2.50X2.0D						0.941	0.941	0.941	0.658	0.658	0.658	0.465	0.374	0.374	0.283
3.00	0.50	6.00	3520-3.00X2.0D						0.941	0.941	0.941	0.658	0.658	0.658	0.465	0.374	0.374	0.283
3.50	0.60	7.00	3520-3.50X2.0D						1.021	1.021	1.021	0.714	0.714	0.714	0.511	0.408	0.408	0.307
4.00	0.70	8.00	3520-4.00X2.0D						0.941	0.941	0.941	0.658	0.658	0.658	0.465	0.374	0.374	0.283
5.00	0.80	10.00	3520-5.00X2.0D						0.941	0.941	0.941	0.658	0.658	0.658	0.465	0.374	0.374	0.283
6.00	1.00	12.00	3520-6.00X2.0D						1.055	1.055	1.055	0.737	0.737	0.737	0.534	0.420	0.420	0.317
7.00	1.00	14.00	3520-7.00X2.0D						1.202	1.202	1.202	0.839	0.839	0.839	0.601	0.488	0.488	0.363
8.00	1.25	16.00	3520-8.00X2.0D						1.202	1.202	1.202	0.839	0.839	0.839	0.601	0.488	0.488	0.363
9.00	1.25	18.00	3520-9.00X2.0D						1.759	1.759	1.759	1.225	1.225	1.225	0.874	0.703	0.703	0.534
10.00	1.50	20.00	3520-10.00X2.0D						1.759	1.759	1.759	1.225	1.225	1.225	0.874	0.703	0.703	0.534
11.00	1.50	22.00	3520-11.00X2.0D						2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749
12.00	1.75	24.00	3520-12.00X2.0D						2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749
13.00	1.75	26.00	3520-13.00X2.0D					6.387	6.387	6.387	4.469	4.469	4.469	3.187	2.552	2.552	1.917	1.917
14.00	2.00	28.00	3520-14.00X2.0D					4.255	4.255	4.255	2.983	2.983	2.983	2.133	1.702	1.702	1.282	1.282
15.00	2.00	30.00	3520-15.00X2.0D					5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611	1.611
16.00	2.00	32.00	3520-16.00X2.0D					5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611	1.611
18.00	2.50	36.00	3520-18.00X2.0D					7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258	2.258
20.00	2.50	40.00	3520-20.00X2.0D					8.962	8.962	8.962	6.272	6.272	6.272	4.481	3.585	3.585	2.688	2.688
22.00	2.50	44.00	3520-22.00X2.0D					11.468	11.468	8.031	8.031	8.031	5.728	4.582	4.582	3.437	3.437	3.437
24.00	3.00	48.00	3520-24.00X2.0D					13.976	13.976	9.778	9.778	9.778	6.988	5.592	5.592	4.186	4.186	4.186

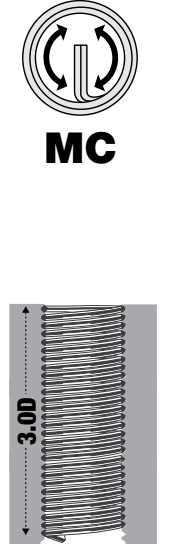
METRIC COARSE – 2.5D BULK INSERTS																		
				2.5D	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
MM	MM	MM	PART #		1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
2.00	0.40	5.00	3520-2.00X2.5D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408
2.20	0.45	5.50	3520-2.20X2.5D						1.123	1.123	1.123	0.783	0.783	0.783	0.568	0.454	0.454	0.341
2.50	0.45	6.25	3520-2.50X2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307
3.00	0.50	7.50	3520-3.00X2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307
3.50	0.60	8.75	3520-3.50X2.5D						1.123	1.123	1.123	0.783	0.783	0.783	0.568	0.454	0.454	0.341
4.00	0.70	10.00	3520-4.00X2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307
5.00	0.80	12.50	3520-5.00X2.5D						1.055	1.055	1.055	0.737	0.737	0.737	0.534	0.420	0.420	0.317
6.00	1.00	15.00	3520-6.00X2.5D						1.145	1.145	1.145	0.806	0.806	0.806	0.568	0.454	0.454	0.341
7.00	1.00	17.50	3520-7.00X2.5D						1.497	1.497	1.497	1.055	1.055	1.055	0.749	0.601	0.601	0.454
8.00	1.25	20.00	3520-8.00X2.5D						1.497	1.497	1.497	1.055	1.055	1.055	0.749	0.601	0.601	0.454
9.00	1.25	22.50	3520-9.00X2.5D						2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635
10.00	1.50	25.00	3520-10.00X2.5D						2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635
11.00	1.50	27.50	3520-11.00X2.5D						3.221	3.221	3.221	2.258	2.258	2.258	1.611	1.293	1.293	0.965
12.00	1.75	30.00	3520-12.00X2.5D						3.221	3.221	3.221	2.258	2.258	2.258	1.611	1.293	1.293	0.965
14.00	2.00	35.00	3520-14.00X2.5D					5.275	5.275	5.275	3.698	3.698	3.698	2.644	2.110	2.110	1.588	1.588
16.00	2.00	40.00	3520-16.00X2.5D					6.454	6.454	6.454	4.515	4.515	4.515	3.221	2.575	2.575	1.941	1.941
18.00	2.50	45.00	3520-18.00X2.5D					9.313	9.313	9.313	6.523	6.523	6.523	4.662	3.721	3.721	2.790	2.790
20.00	2.50	50.00	3520-20.00X2.5D					9.869	9.869	9.869	6.909	6.909	6.909	4.935	3.948	3.948	2.961	2.961
22.00	2.50	55.00	3520-22.00X2.5D					13.443	13.443	9.415	9.415	9.415	6.727	5.377	5.377	4.038	4.038	4.038
24.00	3.00	60.00	3520-24.00X2.5D					16.833	16.833	11.785	11.785	11.785	8.417	6.738	6.738	5.048	5.048	5.048



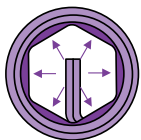
GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC COARSE – 3.0D BULK INSERTS

D	MM	MM	MM	PART #	\$ EACH														
					1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000	
2.00	0.40	6.00	3520-2.00X3.0D						1.702	1.702	1.702	1.191	1.191	1.191	0.851	0.680	0.680	0.511	
2.20	0.45	6.60	3520-2.20X3.0D						1.225	1.225	1.225	0.862	0.862	0.862	0.613	0.488	0.488	0.363	
2.50	0.45	7.50	3520-2.50X3.0D						1.123	1.123	1.123	0.783	0.783	0.783	0.568	0.454	0.454	0.341	
3.00	0.50	9.00	3520-3.00X3.0D						1.123	1.123	1.123	0.783	0.783	0.783	0.568	0.454	0.454	0.341	
3.50	0.60	10.50	3520-3.50X3.0D						1.225	1.225	1.225	0.862	0.862	0.862	0.613	0.488	0.488	0.363	
4.00	0.70	12.00	3520-4.00X3.0D						1.123	1.123	1.123	0.783	0.783	0.783	0.568	0.454	0.454	0.341	
5.00	0.80	15.00	3520-5.00X3.0D						1.191	1.191	1.191	0.839	0.839	0.839	0.601	0.476	0.476	0.363	
6.00	1.00	18.00	3520-6.00X3.0D						1.259	1.259	1.259	0.874	0.874	0.874	0.624	0.499	0.499	0.374	
7.00	1.00	21.00	3520-7.00X3.0D						1.793	1.793	1.793	1.259	1.259	1.259	0.896	0.714	0.714	0.534	
8.00	1.25	24.00	3520-8.00X3.0D						1.793	1.793	1.793	1.259	1.259	1.259	0.896	0.714	0.714	0.534	
9.00	1.25	27.00	3520-9.00X3.0D						2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749	
10.00	1.50	30.00	3520-10.00X3.0D						2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749	
11.00	1.50	33.00	3520-11.00X3.0D						3.585	3.585	3.585	2.506	2.506	2.506	1.793	1.430	1.430	1.078	
12.00	1.75	36.00	3520-12.00X3.0D						3.585	3.585	3.585	2.506	2.506	2.506	1.793	1.430	1.430	1.078	
14.00	2.00	42.00	3520-14.00X3.0D						6.126	6.126	6.126	4.288	4.288	4.288	3.063	2.450	2.450	1.838	
16.00	2.00	48.00	3520-16.00X3.0D						7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258	
18.00	2.50	54.00	3520-18.00X3.0D						11.105	11.105	11.105	7.771	7.771	7.771	5.559	4.447	4.447	3.335	
20.00	2.50	60.00	3520-20.00X3.0D						11.571	11.571	11.571	8.100	8.100	8.100	5.786	4.628	4.628	3.472	
22.00	2.50	66.00	3520-22.00X3.0D						15.654	15.654	10.957	10.957	10.957	7.827	6.262	6.262	4.697	4.697	
24.00	3.00	72.00	3520-24.00X3.0D						18.989	18.989	13.295	13.295	13.295	9.495	7.600	7.600	5.695	5.695	



Screw Locking Wire Thread Inserts



Screw locking (or prevailing torque) inserts are of particular value in applications subject to the effects of cyclic vibration or impact. In addition to the benefits afforded by free running inserts, PowerCoil screw locking inserts offer the additional security of prevailing locking torque. This is achieved by the action of one or more polygonal grip coils positioned within the insert's length, which exert radial pressure on the male thread. Each grip coil consists of a number of tangential locking chords that protrude inside the minor diameter of the normal free running coils. As the male thread passes through these grip coils, the locking flats are displaced thus exerting radial pressure or prevailing torque on the male thread. On removal of the male thread, the locking coils relax to their original form permitting repeated assembly whilst retaining a measurable level of prevailing torque.

Note: It is recommended that only close fit plated or lubricated bolts or screws are used with screw locking inserts.

Call for the latest pricing and availability.







MF



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC FINE – 1.0D BULK INSERTS

				1.0D	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
MM	MM	MM	PART #		1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
6.00	0.75	6.00	3521-6.00X1.0D						0.918	0.918	0.918	0.635	0.635	0.635	0.454	0.363	0.363	0.272
8.00	1.00	8.00	3521-8.00X1.0D						0.965	0.965	0.965	0.680	0.680	0.680	0.488	0.386	0.386	0.295
8.00	0.75	8.00	3523-8.00X1.0D						1.373	1.373	1.373	0.953	0.953	0.953	0.680	0.545	0.545	0.408
9.00	1.00	9.00	3521-9.00X1.0D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408
10.00	1.25	10.00	3521-10.00X1.0D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408
10.00	1.00	10.00	3523-10.00X1.0D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408
11.00	1.25	11.00	3521-11.00X1.0D						1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
11.00	1.00	11.00	3523-11.00X1.0D						1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
12.00	1.50	12.00	3521-12.00X1.0D						1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
12.00	1.25	12.00	3523-12.00X1.0D						1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
12.00	1.00	12.00	3524-12.00X1.0D						2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647
13.00	1.50	13.00	3521-13.00X1.0D						3.982	3.982	3.982	2.790	2.790	2.790	1.985	1.588	1.588	1.191
13.00	1.25	13.00	3523-13.00X1.0D						3.982	3.982	3.982	2.790	2.790	2.790	1.985	1.588	1.588	1.191
14.00	1.50	14.00	3521-14.00X1.0D						2.654	2.654	2.654	1.861	1.861	1.861	1.327	1.066	1.066	0.794
14.00	1.25	14.00	3523-14.00X1.0D						2.654	2.654	2.654	1.861	1.861	1.861	1.327	1.066	1.066	0.794
14.00	1.00	14.00	3524-14.00X1.0D						2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862
15.00	1.50	15.00	3521-15.00X1.0D						3.414	3.414	3.414	2.393	2.393	2.393	1.702	1.361	1.361	1.021
16.00	1.50	16.00	3521-16.00X1.0D						3.403	3.403	3.403	2.383	2.383	2.383	1.702	1.361	1.361	1.021
18.00	2.00	18.00	3521-18.00X1.0D						4.866	4.866	4.866	3.414	3.414	3.414	2.439	1.951	1.951	1.463
18.00	1.50	18.00	3523-18.00X1.0D						4.866	4.866	4.866	3.414	3.414	3.414	2.439	1.951	1.951	1.463
20.00	2.00	20.00	3521-20.00X1.0D						6.806	6.806	4.764	4.764	4.764	3.403	2.723	2.723	2.042	2.042
20.00	1.50	20.00	3523-20.00X1.0D						6.806	6.806	4.764	4.764	4.764	3.403	2.723	2.723	2.042	2.042
22.00	2.00	22.00	3521-22.00X1.0D						8.599	8.599	6.024	6.024	6.024	4.299	3.437	3.437	2.575	2.575
22.00	1.50	22.00	3523-22.00X1.0D						8.599	8.599	6.024	6.024	6.024	4.299	3.437	3.437	2.575	2.575
24.00	2.00	24.00	3521-24.00X1.0D						10.743	10.743	7.520	7.520	7.520	5.377	4.299	4.299	3.221	3.221
24.00	1.50	24.00	3523-24.00X1.0D						10.743	10.743	7.520	7.520	7.520	5.377	4.299	4.299	3.221	3.221



Strip Feed
Free Running Inserts
Page 46



METRIC FINE

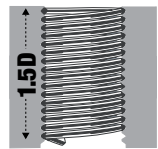
1.5D



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

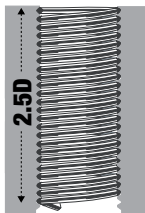
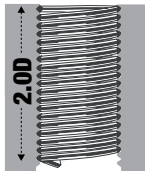
METRIC FINE – 1.5D BULK INSERTS

D	MM	MM	MM	PART #	1.5D															
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH		
1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000							
6.00	0.75	9.00	3521-6.00X1.5D					0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307			
8.00	1.00	12.00	3521-8.00X1.5D					1.100	1.100	1.100	0.772	0.772	0.772	0.545	0.442	0.442	0.329			
8.00	0.75	12.00	3523-8.00X1.5D					1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465			
9.00	1.00	13.50	3521-9.00X1.5D					1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465			
10.00	1.25	15.00	3521-10.00X1.5D					1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465			
10.00	1.00	15.00	3523-10.00X1.5D					1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465			
11.00	1.25	16.50	3521-11.00X1.5D					2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647			
11.00	1.00	16.50	3523-11.00X1.5D					2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647			
12.00	1.50	18.00	3521-12.00X1.5D					2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647			
12.00	1.25	18.00	3523-12.00X1.5D					2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647			
12.00	1.00	18.00	3524-12.00X1.5D					3.007	3.007	3.007	2.110	2.110	2.110	1.509	1.202	1.202	0.907			
13.00	1.50	19.50	3521-13.00X1.5D					5.093	5.093	5.093	3.572	3.572	3.572	2.552	2.042	2.042	1.531	1.531		
13.00	1.25	19.50	3523-13.00X1.5D					5.093	5.093	5.093	3.572	3.572	3.572	2.552	2.042	2.042	1.531	1.531		
14.00	1.50	21.00	3521-14.00X1.5D					3.403	3.403	3.403	2.383	2.383	2.383	1.702	1.361	1.361	1.021	1.021		
14.00	1.25	21.00	3523-14.00X1.5D					3.403	3.403	3.403	2.383	2.383	2.383	1.702	1.361	1.361	1.021	1.021		
14.00	1.00	21.00	3524-14.00X1.5D					3.221	3.221	3.221	2.258	2.258	2.258	1.611	1.293	1.293	0.965	0.965		
15.00	1.50	22.50	3521-15.00X1.5D					4.196	4.196	4.196	2.938	2.938	2.938	2.099	1.679	1.679	1.259	1.259		
16.00	1.50	24.00	3521-16.00X1.5D					4.186	4.186	4.186	2.938	2.938	2.938	2.099	1.679	1.679	1.259	1.259		
18.00	2.00	27.00	3521-18.00X1.5D					5.728	5.728	5.728	4.016	4.016	4.016	2.869	2.292	2.292	1.724	1.724		
18.00	1.50	27.00	3523-18.00X1.5D					5.728	5.728	5.728	4.016	4.016	4.016	2.869	2.292	2.292	1.724	1.724		
20.00	2.00	30.00	3521-20.00X1.5D					7.884	7.884	5.513	5.513	5.513	3.936	3.154	3.154	2.359	2.359	2.359		
20.00	1.50	30.00	3523-20.00X1.5D					7.884	7.884	5.513	5.513	5.513	3.936	3.154	3.154	2.359	2.359	2.359		
22.00	2.00	33.00	3521-22.00X1.5D					9.847	9.847	6.896	6.896	6.896	4.923	3.936	3.936	2.961	2.961	2.961		
22.00	1.50	33.00	3523-22.00X1.5D					9.847	9.847	6.896	6.896	6.896	4.923	3.936	3.936	2.961	2.961	2.961		
24.00	2.00	36.00	3521-24.00X1.5D					12.183	12.183	8.530	8.530	8.530	6.092	4.879	4.879	3.652	3.652	3.652		
24.00	1.50	36.00	3523-24.00X1.5D					12.183	12.183	8.530	8.530	8.530	6.092	4.879	4.879	3.652	3.652	3.652		
26.00	1.50	39.00	3523-26.00X1.5D					18.377	18.377	12.864	12.864	9.188	7.351	7.351	5.513	5.513	5.513	5.513		
27.00	2.00	40.50	3521-27.00X1.5D					18.377	18.377	12.864	12.864	9.188	7.351	7.351	5.513	5.513	5.513	5.513		
27.00	1.50	40.50	3523-27.00X1.5D					18.377	18.377	12.864	12.864	9.188	7.351	7.351	5.513	5.513	5.513	5.513		
28.00	1.50	42.00	3523-28.00X1.5D					18.626	18.626	13.046	13.046	9.313	7.454	7.454	5.592	5.592	5.592	5.592		
30.00	2.00	45.00	3521-30.00X1.5D					20.418	20.418	14.293	14.293	10.210	8.168	8.168	6.126	6.126	6.126	6.126		
30.00	1.50	45.00	3523-30.00X1.5D					20.418	20.418	14.293	14.293	10.210	8.168	8.168	6.126	6.126	6.126	6.126		
33.00	2.00	49.50	3521-33.00X1.5D					23.289	23.289	16.301	16.301	11.639	9.313	9.313	6.988	6.988	6.988	6.988		
36.00	3.00	54.00	3521-36.00X1.5D					25.081	25.081	17.560	17.560	12.534	10.028	10.028	7.520	7.520	7.520	7.520		
36.00	2.00	54.00	3523-36.00X1.5D					25.081	25.081	17.560	17.560	12.534	10.028	10.028	7.520	7.520	7.520	7.520		
36.00	1.50	54.00	3524-36.00X1.5D					25.081	25.081	17.560	17.560	12.534	10.028	10.028	7.520	7.520	7.520	7.520		










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





GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC FINE – 2.0D BULK INSERTS

				2.0D															
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
MM	MM	MM	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
6.00	0.75	12.00	3521-6.00X2.0D					1.055	1.055	1.055	0.737	0.737	0.737	0.534	0.420	0.420	0.317		
8.00	1.00	16.00	3521-8.00X2.0D					1.202	1.202	1.202	0.839	0.839	0.839	0.601	0.488	0.488	0.363		
8.00	0.75	16.00	3523-8.00X2.0D					1.747	1.747	1.747	1.225	1.225	1.225	0.874	0.703	0.703	0.521		
9.00	1.00	18.00	3521-9.00X2.0D					1.759	1.759	1.759	1.225	1.225	1.225	0.874	0.703	0.703	0.534		
10.00	1.25	20.00	3521-10.00X2.0D					1.759	1.759	1.759	1.225	1.225	1.225	0.874	0.703	0.703	0.534		
10.00	1.00	20.00	3523-10.00X2.0D					1.759	1.759	1.759	1.225	1.225	1.225	0.874	0.703	0.703	0.534		
11.00	1.25	22.00	3521-11.00X2.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
11.00	1.00	22.00	3523-11.00X2.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
12.00	1.50	24.00	3521-12.00X2.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
12.00	1.25	24.00	3523-12.00X2.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
12.00	1.00	24.00	3524-12.00X2.0D					3.800	3.800	3.800	2.654	2.654	2.654	1.894	1.520	1.520	1.135		
13.00	1.50	26.00	3521-13.00X2.0D					6.387	6.387	6.387	4.469	4.469	4.469	3.187	2.552	2.552	1.917		
13.00	1.25	26.00	3523-13.00X2.0D					6.387	6.387	6.387	4.469	4.469	4.469	3.187	2.552	2.552	1.917		
14.00	1.50	28.00	3521-14.00X2.0D					4.255	4.255	4.255	2.983	2.983	2.983	2.133	1.702	1.702	1.282		
14.00	1.25	28.00	3523-14.00X2.0D					5.014	5.014	5.014	3.516	3.516	3.516	2.506	2.007	2.007	1.509		
14.00	1.00	28.00	3524-14.00X2.0D					5.014	5.014	5.014	3.516	3.516	3.516	2.506	2.007	2.007	1.509		
15.00	1.50	30.00	3521-15.00X2.0D					5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611		
16.00	1.50	32.00	3521-16.00X2.0D					5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611		
18.00	2.00	36.00	3521-18.00X2.0D					7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258		
18.00	1.50	36.00	3523-18.00X2.0D					7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258		
20.00	2.00	40.00	3523-20.00X2.0D					8.962	8.962	6.272	6.272	6.272	4.481	3.585	3.585	2.688	2.688		
20.00	1.50	40.00	3521-20.00X2.0D					8.962	8.962	6.272	6.272	6.272	4.481	3.585	3.585	2.688	2.688		
22.00	2.00	44.00	3521-22.00X2.0D					11.468	11.468	8.031	8.031	8.031	5.728	4.582	4.582	3.437	3.437		
22.00	1.50	44.00	3523-22.00X2.0D					11.468	11.468	8.031	8.031	8.031	5.728	4.582	4.582	3.437	3.437		
24.00	2.00	48.00	3521-24.00X2.0D					13.976	13.976	9.778	9.778	9.778	6.988	5.592	5.592	4.186	4.186		
24.00	1.50	48.00	3523-24.00X2.0D					13.976	13.976	9.778	9.778	9.778	6.988	5.592	5.592	4.186	4.186		

METRIC FINE – 2.5D BULK INSERTS

				2.5D															
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
MM	MM	MM	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
6.00	0.75	15.00	3521-6.00X2.5D					1.145	1.145	1.145	0.806	0.806	0.806	0.568	0.454	0.454	0.341		
8.00	1.00	20.00	3521-8.00X2.5D					1.497	1.497	1.497	1.055	1.055	1.055	0.749	0.601	0.601	0.454		
8.00	0.75	20.00	3523-8.00X2.5D					2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635		
9.00	1.00	22.50	3521-9.00X2.5D					2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635		
10.00	1.25	25.00	3521-10.00X2.5D					2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635		
10.00	1.00	25.00	3523-10.00X2.5D					2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635		
11.00	1.25	27.50	3521-11.00X2.5D					3.221	3.221	3.221	2.258	2.258	2.258	1.611	1.293	1.293	0.965		
11.00	1.00	27.50	3523-11.00X2.5D					3.221	3.221	3.221	2.258	2.258	2.258	1.611	1.293	1.293	0.965		
12.00	1.50	30.00	3521-12.00X2.5D					3.221	3.221	3.221	2.258	2.258	2.258	1.611	1.293	1.293	0.965		
12.00	1.25	30.00	3523-12.00X2.5D					3.221	3.221	3.221	2.258	2.258	2.258	1.611	1.293	1.293	0.965		
12.00	1.00	30.00	3524-12.00X2.5D					4.515	4.515	4.515	3.154	3.154	3.154	2.258	1.803	1.803	1.351		
14.00	1.50	35.00	3521-14.00X2.5D					5.275	5.275	3.698	3.698	3.698	2.644	2.110	2.110	1.588	1.588		
14.00	1.25	35.00	3523-14.00X2.5D					5.728	5.728	4.016	4.016	4.016	2.869	2.292	2.292	1.724	1.724		
14.00	1.00	35.00	3524-14.00X2.5D					5.728	5.728	4.016	4.016	4.016	2.869	2.292	2.292	1.724	1.724		
16.00	1.50	40.00	3521-16.00X2.5D					6.454	6.454	4.515	4.515	4.515	3.221	2.575	2.575	1.941	1.941		
18.00	2.00	45.00	3521-18.00X2.5D					9.313	9.313	6.523	6.523	6.523	4.662	3.721	3.721	2.790	2.790		
18.00	1.50	45.00	3523-18.00X2.5D					9.313	9.313	6.523	6.523	6.523	4.662	3.721	3.721	2.790	2.790		
20.00	2.00	50.00	3521-20.00X2.5D					9.869	9.869	6.909	6.909	6.909	4.935	3.948	3.948	2.961	2.961		
20.00	1.50	50.00	3523-20.00X2.5D					9.869	9.869	6.909	6.909	6.909	4.935	3.948	3.948	2.961	2.961		
22.00	2.00	55.00	3521-22.00X2.5D					13.443	13.443	9.415	9.415	9.415	6.727	5.377	5.377	4.038	4.038		
22.00	1.50	55.00	3523-22.00X2.5D					13.443	13.443	9.415	9.415	9.415	6.727	5.377	5.377	4.038	4.038		
24.00	2.00	60.00	3521-24.00X2.5D					16.833	16.833	11.785	11.785	11.785	8.417	6.738	6.738	5.048	5.048		
24.00	1.50	60.00	3523-24.00X2.5D					16.833	16.833	11.785	11.785	11.785	8.417	6.738	6.738	5.048	5.048		



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC FINE – 3.0D BULK INSERTS

D	MM	MM	MM	PART #	\$ EACH													
					1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
MF	6.00	0.75	18.00	3521-6.00X3.0D					1.259	1.259	1.259	0.874	0.874	0.874	0.624	0.499	0.499	0.374
	8.00	1.00	24.00	3521-8.00X3.0D					1.793	1.793	1.793	1.259	1.259	1.259	0.896	0.714	0.714	0.534
	8.00	0.75	24.00	3523-8.00X3.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749
	9.00	1.00	27.00	3521-9.00X3.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749
	10.00	1.25	30.00	3521-10.00X3.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749
	10.00	1.00	30.00	3523-10.00X3.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749
	11.00	1.25	33.00	3521-11.00X3.0D					3.585	3.585	3.585	2.506	2.506	2.506	1.793	1.430	1.430	1.078
	11.00	1.00	33.00	3523-11.00X3.0D					3.585	3.585	3.585	2.506	2.506	2.506	1.793	1.430	1.430	1.078
	12.00	1.50	36.00	3521-12.00X3.0D					3.585	3.585	3.585	2.506	2.506	2.506	1.793	1.430	1.430	1.078
	12.00	1.25	36.00	3523-12.00X3.0D					3.585	3.585	3.585	2.506	2.506	2.506	1.793	1.430	1.430	1.078
	12.00	1.00	36.00	3524-12.00X3.0D					5.014	5.014	5.014	3.516	3.516	3.516	2.506	2.007	2.007	1.509
	14.00	1.50	42.00	3521-14.00X3.0D				6.126	6.126	6.126	4.288	4.288	4.288	3.063	2.450	2.450	1.838	1.838
	14.00	1.25	42.00	3523-14.00X3.0D				6.806	6.806	6.806	4.764	4.764	4.764	3.403	2.723	2.723	2.042	2.042
	14.00	1.00	42.00	3524-14.00X3.0D				6.806	6.806	6.806	4.764	4.764	4.764	3.403	2.723	2.723	2.042	2.042
	16.00	1.50	48.00	3521-16.00X3.0D				7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258	2.258
	18.00	2.00	54.00	3521-18.00X3.0D				11.105	11.105	11.105	7.771	7.771	7.771	5.559	4.447	4.447	3.335	3.335
	18.00	1.50	54.00	3523-18.00X3.0D				11.105	11.105	11.105	7.771	7.771	7.771	5.559	4.447	4.447	3.335	3.335
	20.00	2.00	60.00	3521-20.00X3.0D				11.571	11.571	8.100	8.100	8.100	5.786	4.628	4.628	3.472	3.472	3.472
	20.00	1.50	60.00	3523-20.00X3.0D				11.571	11.571	8.100	8.100	8.100	5.786	4.628	4.628	3.472	3.472	3.472
	22.00	2.00	66.00	3521-22.00X3.0D				15.654	15.654	10.957	10.957	10.957	7.827	6.262	6.262	4.697	4.697	4.697
	22.00	1.50	66.00	3523-22.00X3.0D				15.654	15.654	10.957	10.957	10.957	7.827	6.262	6.262	4.697	4.697	4.697
	24.00	2.00	72.00	3521-24.00X3.0D				18.989	18.989	13.295	13.295	13.295	9.495	7.600	7.600	5.695	5.695	5.695
	24.00	1.50	72.00	3523-24.00X3.0D				18.989	18.989	13.295	13.295	13.295	9.495	7.600	7.600	5.695	5.695	5.695

SPARK PLUG – BULK INSERTS

D	MM	MM	PART #	\$ EACH														
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000	
	IMPERIAL LENGTH																	
	10.00	1.00	0.339"	3522-10.00X.339					1.396	1.396	1.396	0.976	0.976	0.976	0.693	0.555	0.555	0.420
	10.00	1.00	1/2"	3522-10.00X1/2					1.577	1.577	1.577	1.100	1.100	1.100	0.783	0.635	0.635	0.476
	12.00	1.25	1/2"	3522-12.00X1/2					1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
	12.00	1.25	3/4"	3522-12.00X3/4					2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647
	14.00	1.25	3/8"	3522-14.00X3/8					1.520	1.520	1.520	1.066	1.066	1.066	0.759	0.601	0.601	0.454
	14.00	1.25	7/16"	3522-14.00X7/16					1.191	1.191	1.191	0.828	0.828	0.828	0.590	0.476	0.476	0.352
	14.00	1.25	1/2"	3522-14.00X1/2					1.815	1.815	1.815	1.270	1.270	1.270	0.907	0.727	0.727	0.545
	14.00	1.25	3/4"	3522-14.00X3/4					2.383	2.383	2.383	1.668	1.668	1.668	1.191	0.953	0.953	0.714
	18.00	1.50	1/2"	3522-18.00X1/2					3.369	3.369	3.369	2.348	2.348	2.348	1.679	1.351	1.351	1.010
	METRIC LENGTH																	
	14.00	1.25	8.4MM	3522-14.00X8.4					1.202	1.202	1.202	0.839	0.839	0.839	0.601	0.488	0.488	0.363
	14.00	1.25	12.4MM	3522-14.00X12.4					1.861	1.861	1.861	1.304	1.304	1.304	0.931	0.749	0.749	0.555
	14.00	1.25	16.4MM	3522-14.00X16.4					2.565	2.565	2.565	1.793	1.793	1.793	1.282	1.021	1.021	0.772



UNC

2.0D, 2.5D



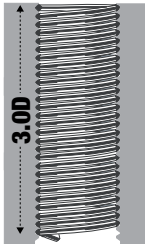
GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNC – 2.0D BULK INSERTS

INCH	TPI	INCH	PART #	2.0D															
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
2G	56	0.18	3532-2GX2.0D						1.214	1.214	1.214	0.851	0.851	0.851	0.613	0.488	0.488	0.363	
3G	48	0.20	3532-3GX2.0D						2.042	2.042	2.042	1.430	1.430	1.430	1.021	0.816	0.816	0.613	
4G	40	0.22	3532-4GX2.0D						0.931	0.931	0.931	0.658	0.658	0.658	0.465	0.374	0.374	0.283	
5G	40	0.26	3532-5GX2.0D						0.931	0.931	0.931	0.658	0.658	0.658	0.465	0.374	0.374	0.283	
6G	32	0.28	3532-6GX2.0D						0.931	0.931	0.931	0.658	0.658	0.658	0.465	0.374	0.374	0.283	
8G	32	0.32	3532-8GX2.0D						0.931	0.931	0.931	0.658	0.658	0.658	0.465	0.374	0.374	0.283	
10G	24	0.38	3532-10GX2.0D						0.931	0.931	0.931	0.658	0.658	0.658	0.465	0.374	0.374	0.283	
12G	24	0.44	3532-12GX2.0D						1.111	1.111	1.111	0.772	0.772	0.772	0.555	0.442	0.442	0.329	
1/4	20	0.50	3532-1/4X2.0D						1.111	1.111	1.111	0.772	0.772	0.772	0.555	0.442	0.442	0.329	
5/16	18	0.62	3532-5/16X2.0D						1.202	1.202	1.202	0.839	0.839	0.839	0.601	0.476	0.476	0.363	
3/8	16	0.76	3532-3/8X2.0D						1.793	1.793	1.793	1.259	1.259	1.259	0.896	0.714	0.714	0.534	
7/16	14	0.88	3532-7/16X2.0D						2.042	2.042	2.042	1.430	1.430	1.430	1.021	0.816	0.816	0.613	
1/2	13	1.00	3532-1/2X2.0D						2.359	2.359	2.359	1.656	1.656	1.656	1.179	0.941	0.941	0.714	
9/16	12	1.12	3532-9/16X2.0D						4.117	4.117	4.117	2.882	2.882	2.882	2.064	1.645	1.645	1.237	
5/8	11	1.26	3532-5/8X2.0D						5.230	5.230	5.230	3.664	3.664	3.664	2.621	2.087	2.087	1.565	
3/4	10	1.50	3532-3/4X2.0D						7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258	
7/8	9	1.76	3532-7/8X2.0D						11.105	11.105	7.771	7.771	7.771	5.559	4.447	4.447	3.335	3.335	
1	8	2.00	3532-1X2.0D						13.976	13.976	9.778	9.778	9.778	6.988	5.592	5.592	4.186	4.186	

UNC – 2.5D BULK INSERTS

INCH	TPI	INCH	PART #	2.5D															
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH		
2G	56	0.23	3532-2GX2.5D						1.293	1.293	1.293	0.907	0.907	0.907	0.647	0.521	0.521	0.386	
4G	48	0.25	3532-4GX2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307	
5G	40	0.28	3532-5GX2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307	
6G	40	0.33	3532-6GX2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307	
8G	32	0.35	3532-8GX2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307	
10G	32	0.40	3532-10GX2.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307	
12G	24	0.48	3532-12GX2.5D						1.179	1.179	1.179	0.828	0.828	0.828	0.590	0.476	0.476	0.352	
1/4	20	0.55	3532-1/4X2.5D						1.179	1.179	1.179	0.828	0.828	0.828	0.590	0.476	0.476	0.352	
5/16	18	0.63	3532-5/16X2.5D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408	
3/8	16	0.78	3532-3/8X2.5D						2.042	2.042	2.042	1.430	1.430	1.430	1.021	0.816	0.816	0.613	
7/16	14	0.95	3532-7/16X2.5D						2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749	
1/2	13	1.10	3532-1/2X2.5D						2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862	
9/16	12	1.25	3532-9/16X2.5D						5.196	5.196	5.196	3.641	3.641	3.641	2.597	2.076	2.076	1.555	
5/8	11	1.40	3532-5/8X2.5D						6.307	6.307	6.307	4.413	4.413	4.413	3.154	2.518	2.518	1.894	
3/4	10	1.58	3532-3/4X2.5D						9.166	9.166	9.166	6.420	6.420	6.420	4.582	3.675	3.675	2.756	
7/8	9	1.88	3532-7/8X2.5D						12.534	12.534	8.780	8.780	8.780	6.272	5.014	5.014	3.766	3.766	
1	8	2.50	3532-1X2.5D						16.482	16.482	11.537	11.537	11.537	8.236	6.590	6.590	4.945	4.945	



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNC – 3.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
2G	56	0.27	3532-2GX3.0D					1.418	1.418	1.418	0.987	0.987	0.987	0.703	0.568	0.568	0.420		
4G	40	0.33	3532-4GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
5G	40	0.39	3532-5GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
6G	32	0.42	3532-6GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
8G	32	0.48	3532-8GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
10G	24	0.57	3532-10GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
12G	24	0.66	3532-12GX3.0D					1.293	1.293	1.293	0.907	0.907	0.907	0.647	0.521	0.521	0.386		
1/4	20	0.75	3532-1/4X3.0D					1.293	1.293	1.293	0.907	0.907	0.907	0.647	0.521	0.521	0.386		
5/16	18	0.93	3532-5/16X3.0D					1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465		
3/8	16	1.14	3532-3/8X3.0D					2.325	2.325	2.325	1.634	1.634	1.634	1.169	0.931	0.931	0.703		
7/16	14	1.32	3532-7/16X3.0D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862		
1/2	13	1.50	3532-1/2X3.0D					3.403	3.403	3.403	2.383	2.383	2.383	1.702	1.361	1.361	1.021		
9/16	12	1.68	3532-9/16X3.0D					6.272	6.272	6.272	4.390	4.390	4.390	3.142	2.506	2.506	1.882		
5/8	11	1.89	3532-5/8X3.0D					7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258		
3/4	10	2.25	3532-3/4X3.0D					10.743	10.743	10.743	7.520	7.520	7.520	5.377	4.299	4.299	3.221		
7/8	9	2.64	3532-7/8X3.0D					14.327	14.327	10.028	10.028	10.028	7.169	5.728	5.728	4.299	4.299		
1	8	3.00	3532-1X3.0D					18.626	18.626	13.046	13.046	13.046	9.313	7.454	7.454	5.592	5.592		

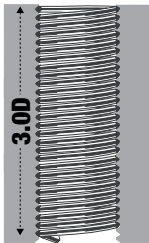
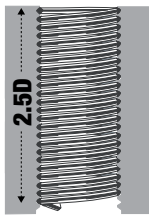


UNF – 1.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
3G	56	0.10	3534-3GX1.0D					1.793	1.793	1.793	1.259	1.259	1.259	0.896	0.714	0.714	0.534		
4G	48	0.11	3534-4GX1.0D					0.828	0.828	0.828	0.579	0.579	0.579	0.408	0.329	0.329	0.250		
6G	40	0.14	3534-6GX1.0D					0.828	0.828	0.828	0.579	0.579	0.579	0.408	0.329	0.329	0.250		
8G	36	0.16	3534-8GX1.0D					0.828	0.828	0.828	0.579	0.579	0.579	0.408	0.329	0.329	0.250		
10G	32	0.19	3534-10GX1.0D					0.828	0.828	0.828	0.579	0.579	0.579	0.408	0.329	0.329	0.250		
12G	28	0.22	3534-12GX1.0D					0.953	0.953	0.953	0.669	0.669	0.669	0.476	0.374	0.374	0.283		
1/4	28	0.25	3534-1/4X1.0D					0.953	0.953	0.953	0.669	0.669	0.669	0.476	0.374	0.374	0.283		
5/16	24	0.31	3534-5/16X1.0D					1.044	1.044	1.044	0.727	0.727	0.727	0.521	0.420	0.420	0.307		
3/8	24	0.38	3534-3/8X1.0D					1.396	1.396	1.396	0.976	0.976	0.976	0.703	0.555	0.555	0.420		
7/16	16	0.44	3534-7/16-16X1.0D					1.782	1.782	1.782	1.248	1.248	1.248	0.885	0.714	0.714	0.534		
7/16	20	0.44	3534-7/16X1.0D					1.724	1.724	1.724	1.202	1.202	1.202	0.862	0.693	0.693	0.521		
1/2	20	0.50	3534-1/2X1.0D					1.973	1.973	1.973	1.383	1.383	1.383	0.987	0.794	0.794	0.590		
9/16	18	0.56	3534-9/16X1.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
5/8	18	0.63	3534-5/8X1.0D					3.369	3.369	3.369	2.359	2.359	2.359	1.679	1.351	1.351	1.010		
3/4	16	0.75	3534-3/4X1.0D					4.833	4.833	4.833	3.392	3.392	3.392	2.417	1.941	1.941	1.452		
7/8	14	0.88	3534-7/8X1.0D					8.236	8.236	5.774	5.774	5.774	4.117	3.301	3.301	2.473	2.473		
1	12	1.00	3534-1X1.0D					10.572	10.572	7.396	7.396	7.396	5.286	4.231	4.231	3.176	3.176		
1-1/8	12	1.13	3534-1.1/8X1.0D					15.110	15.110	15.110	15.110	15.110	15.110	10.577	10.577	10.577	10.577		
1-1/4	12	1.25	3534-1.1/4X1.0D					16.610	16.610	16.610	16.610	16.610	16.610	11.627	11.627	11.627	11.627		
1-3/8	12	1.38	3534-1.3/8X1.0D					18.120	18.120	18.120	18.120	18.120	18.120	12.684	12.684	12.684	12.684		
1-1/2	12	1.50	3534-1.1/2X1.0D					21.140	21.140	21.140	21.140	21.140	21.140	14.798	14.798	14.798	14.798		



UNF



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNF – 2.5D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
4G	48	0.28	3534-4GX2.5D					0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307		
6G	40	0.35	3534-6GX2.5D					0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307		
8G	36	0.40	3534-8GX2.5D					0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307		
10G	32	0.48	3534-10GX2.5D					0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307		
12G	28	0.54	3534-12GX2.5D					1.179	1.179	1.179	0.828	0.828	0.828	0.590	0.476	0.476	0.352		
1/4	28	0.63	3534-1/4X2.5D					1.179	1.179	1.179	0.828	0.828	0.828	0.590	0.476	0.476	0.352		
5/16	24	0.78	3534-5/16X2.5D					1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408		
3/8	24	0.95	3534-3/8X2.5D					2.042	2.042	2.042	1.430	1.430	1.430	1.021	0.816	0.816	0.613		
7/16	20	1.10	3534-7/16X2.5D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
1/2	20	1.25	3534-1/2X2.5D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862		
9/16	18	1.40	3534-9/16X2.5D					5.196	5.196	5.196	3.641	3.641	3.641	2.597	2.076	2.076	1.555		
5/8	18	1.58	3534-5/8X2.5D					6.307	6.307	6.307	4.413	4.413	4.413	3.154	2.518	2.518	1.894		
3/4	16	1.88	3534-3/4X2.5D					9.166	9.166	9.166	6.420	6.420	6.420	4.582	3.675	3.675	2.756		
7/8	14	2.20	3534-7/8X2.5D					12.534	12.534	8.780	8.780	8.780	6.272	5.014	5.014	3.766	3.766		
1	12	2.50	3534-1X2.5D					16.482	16.482	11.537	11.537	11.537	8.236	6.590	6.590	4.945	4.945		
1-1/8	12	2.81	3534-1.1/8X2.5D					24.170	24.170	24.170	24.170	24.170	24.170	16.919	16.919	16.919	16.919		
1-1/4	12	3.13	3534-1.1/4X2.5D					27.200	27.200	27.200	27.200	27.200	27.200	19.040	19.040	19.040	19.040		
1-3/8	12	3.44	3534-1.3/8X2.5D					33.230	33.230	33.230	33.230	33.230	33.230	23.261	23.261	23.261	23.261		
1-1/2	12	3.75	3534-1.1/2X2.5D					42.280	42.280	42.280	42.280	42.280	42.280	29.596	29.596	29.596	29.596		

UNF – 3.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
4G	48	0.33	3534-4GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
6G	40	0.42	3534-6GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
8G	36	0.48	3534-8GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
10G	32	0.57	3534-10GX3.0D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
12G	28	0.65	3534-12GX3.0D					1.293	1.293	1.293	0.907	0.907	0.907	0.647	0.521	0.521	0.386		
1/4	28	0.75	3534-1/4X3.0D					1.293	1.293	1.293	0.907	0.907	0.907	0.647	0.521	0.521	0.386		
5/16	24	0.93	3534-5/16X3.0D					1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465		
3/8	24	1.14	3534-3/8X3.0D					2.325	2.325	2.325	1.634	1.634	1.634	1.169	0.931	0.931	0.703		
7/16	20	1.32	3534-7/16X3.0D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862		
1/2	20	1.50	3534-1/2X3.0D					3.403	3.403	3.403	2.383	2.383	2.383	1.702	1.361	1.361	1.021		
9/16	18	1.68	3534-9/16X3.0D					6.272	6.272	6.272	4.390	4.390	4.390	3.142	2.506	2.506	1.882		
5/8	18	1.89	3534-5/8X3.0D					7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258		
3/4	16	2.25	3534-3/4X3.0D					10.743	10.743	10.743	7.520	7.520	7.520	5.377	4.299	4.299	3.221		
7/8	14	2.64	3534-7/8X3.0D					14.327	14.327	10.028	10.028	10.028	7.169	5.728	5.728	4.299	4.299		
1	12	3.00	3534-1X3.0D					18.626	18.626	13.046	13.046	13.046	9.313	7.454	7.454	5.592	5.592		



BSW

1.0D, 1.5D, 2.0D



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSW – 1.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/8	40	0.13	3528-1/8X1.0D						0.965	0.965	0.965	0.680	0.680	0.680	0.488	0.386	0.386	0.295	
3/16	24	0.19	3528-3/16X1.0D						0.839	0.839	0.839	0.590	0.590	0.590	0.420	0.329	0.329	0.250	
1/4	20	0.25	3528-1/4X1.0D						0.953	0.953	0.953	0.669	0.669	0.669	0.476	0.374	0.374	0.283	
5/16	18	0.31	3528-5/16X1.0D						0.965	0.965	0.965	0.680	0.680	0.680	0.488	0.386	0.386	0.295	
3/8	16	0.38	3528-3/8X1.0D						1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408	
7/16	14	0.44	3528-7/16X1.0D						1.679	1.679	1.679	1.179	1.179	1.179	0.839	0.669	0.669	0.511	
1/2	12	0.50	3528-1/2X1.0D						1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601	
9/16	12	0.56	3528-9/16X1.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749	0.749	
5/8	11	0.63	3528-5/8X1.0D					3.369	3.369	3.369	2.359	2.359	2.359	1.679	1.351	1.351	1.010	1.010	
3/4	10	0.75	3528-3/4X1.0D					4.833	4.833	4.833	3.392	3.392	3.392	2.417	1.941	1.941	1.452	1.452	
7/8	9	0.88	3528-7/8X1.0D					8.236	8.236	5.774	5.774	5.774	4.117	3.301	3.301	2.473	2.473	2.473	
1	8	1.00	3528-1X1.0D					10.743	10.743	7.520	7.520	7.520	5.377	4.299	4.299	3.221	3.221	3.221	

BSW – 1.5D BULK INSERTS

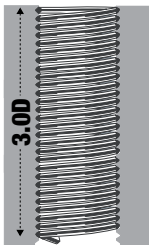
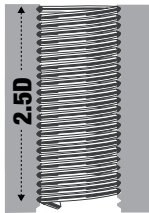
INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/8	40	0.20	3528-1/8X1.5D						0.998	0.998	0.998	0.703	0.703	0.703	0.499	0.397	0.397	0.307	
3/16	24	0.29	3528-3/16X1.5D						0.885	0.885	0.885	0.624	0.624	0.624	0.442	0.352	0.352	0.261	
1/4	20	0.38	3528-1/4X1.5D						0.987	0.987	0.987	0.693	0.693	0.693	0.488	0.397	0.397	0.295	
5/16	18	0.47	3528-5/16X1.5D						1.111	1.111	1.111	0.772	0.772	0.772	0.555	0.442	0.442	0.329	
3/8	16	0.57	3528-3/8X1.5D						1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465	
7/16	14	0.66	3528-7/16X1.5D						1.826	1.826	1.826	1.282	1.282	1.282	0.918	0.727	0.727	0.545	
1/2	12	0.75	3528-1/2X1.5D						2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635	
9/16	12	0.84	3528-9/16X1.5D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862	0.862	
5/8	11	0.95	3528-5/8X1.5D					4.299	4.299	4.299	3.007	3.007	3.007	2.155	1.724	1.724	1.293	1.293	
3/4	10	1.13	3528-3/4X1.5D					5.728	5.728	5.728	4.016	4.016	4.016	2.869	2.292	2.292	1.724	1.724	
7/8	9	1.32	3528-7/8X1.5D					9.676	9.676	6.772	6.772	6.772	4.833	3.869	3.869	2.904	2.904	2.904	
1	8	1.50	3528-1X1.5D					12.183	12.183	8.530	8.530	8.530	6.092	4.879	4.879	3.652	3.652	3.652	

BSW – 2.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/8	40	0.26	3528-1/8X2.0D						1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329	
3/16	24	0.38	3528-3/16X2.0D						0.941	0.941	0.941	0.658	0.658	0.658	0.465	0.374	0.374	0.283	
1/4	20	0.50	3528-1/4X2.0D						1.111	1.111	1.111	0.772	0.772	0.772	0.555	0.442	0.442	0.329	
5/16	18	0.62	3528-5/16X2.0D						1.327	1.327	1.327	0.931	0.931	0.931	0.658	0.534	0.534	0.397	
3/8	16	0.76	3528-3/8X2.0D						1.759	1.759	1.759	1.225	1.225	1.225	0.874	0.703	0.703	0.534	
7/16	14	0.88	3528-7/16X2.0D						2.007	2.007	2.007	1.407	1.407	1.407	0.998	0.806	0.806	0.601	
1/2	12	1.00	3528-1/2X2.0D						2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749	
9/16	12	1.12	3528-9/16X2.0D					4.117	4.117	4.117	2.882	2.882	2.882	2.064	1.645	1.645	1.237	1.237	
5/8	11	1.26	3528-5/8X2.0D					5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611	1.611	
3/4	10	1.50	3528-3/4X2.0D					7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258	2.258	
7/8	9	1.76	3528-7/8X2.0D					11.105	11.105	7.771	7.771	7.771	5.559	4.447	4.447	3.335	3.335	3.335	
1	8	2.00	3528-1X2.0D					13.976	13.976	9.778	9.778	9.778	6.988	5.592	5.592	4.186	4.186	4.186	



BSW



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSW – 2.5D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/8	40	0.33	3528-1/8X2.5D					1.293	1.293	1.293	0.907	0.907	0.907	0.647	0.521	0.521	0.386		
3/16	24	0.48	3528-3/16X2.5D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
1/4	20	0.63	3528-1/4X2.5D					1.169	1.169	1.169	0.816	0.816	0.816	0.579	0.465	0.465	0.352		
5/16	18	0.78	3528-5/16X2.5D					1.611	1.611	1.611	1.135	1.135	1.135	0.806	0.647	0.647	0.488		
3/8	16	0.95	3528-3/8X2.5D					2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647		
7/16	14	1.10	3528-7/16X2.5D					2.325	2.325	2.325	1.634	1.634	1.634	1.169	0.931	0.931	0.703		
1/2	12	1.25	3528-1/2X2.5D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862		
9/16	12	1.40	3528-9/16X2.5D					5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611	1.611	
5/8	11	1.58	3528-5/8X2.5D					6.806	6.806	6.806	4.764	4.764	4.764	3.403	2.723	2.723	2.042	2.042	
3/4	10	1.88	3528-3/4X2.5D					9.676	9.676	9.676	6.772	6.772	6.772	4.833	3.869	3.869	2.904	2.904	
7/8	9	2.20	3528-7/8X2.5D					13.261	13.261	9.279	9.279	9.279	6.625	5.309	5.309	3.982	3.982	3.982	
1	8	2.50	3528-1X2.5D					17.197	17.197	12.036	12.036	12.036	8.599	6.874	6.874	5.162	5.162	5.162	

BSW – 3.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/8	40	0.39	3528-1/8X3.0D					1.430	1.430	1.430	0.998	0.998	0.998	0.714	0.568	0.568	0.431		
3/16	24	0.57	3528-3/16X3.0D					1.214	1.214	1.214	0.851	0.851	0.851	0.613	0.488	0.488	0.363		
1/4	20	0.75	3528-1/4X3.0D					1.327	1.327	1.327	0.931	0.931	0.931	0.658	0.534	0.534	0.397		
5/16	18	0.93	3528-5/16X3.0D					1.793	1.793	1.793	1.259	1.259	1.259	0.896	0.714	0.714	0.534		
3/8	16	1.14	3528-3/8X3.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
7/16	14	1.32	3528-7/16X3.0D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862		
1/2	12	1.50	3528-1/2X3.0D					3.936	3.936	3.936	2.756	2.756	2.756	1.973	1.577	1.577	1.179		
9/16	12	1.68	3528-9/16X3.0D					6.454	6.454	6.454	4.515	4.515	4.515	3.221	2.575	2.575	1.941	1.941	
5/8	11	1.89	3528-5/8X3.0D					8.236	8.236	8.236	5.774	5.774	5.774	4.117	3.301	3.301	2.473	2.473	
3/4	10	2.25	3528-3/4X3.0D					11.468	11.468	11.468	8.031	8.031	8.031	5.728	4.582	4.582	3.437	3.437	
7/8	9	2.64	3528-7/8X3.0D					15.053	15.053	10.538	10.538	10.538	7.520	6.024	6.024	4.515	4.515	4.515	
1	8	3.00	3528-1X3.0D					19.704	19.704	13.795	13.795	13.795	9.847	7.884	7.884	5.910	5.910	5.910	



BSF
1.0D, 1.5D, 2.0D



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSF – 1.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
3/16	32	0.19	3530-3/16X1.0D					0.839	0.839	0.839	0.590	0.590	0.590	0.420	0.329	0.329	0.250		
1/4	26	0.25	3530-1/4X1.0D					0.953	0.953	0.953	0.669	0.669	0.669	0.476	0.374	0.374	0.283		
5/16	22	0.31	3530-5/16X1.0D					0.965	0.965	0.965	0.680	0.680	0.680	0.488	0.386	0.386	0.295		
3/8	20	0.38	3530-3/8X1.0D					1.361	1.361	1.361	0.953	0.953	0.953	0.680	0.545	0.545	0.408		
7/16	18	0.44	3530-7/16X1.0D					1.679	1.679	1.679	1.179	1.179	1.179	0.839	0.669	0.669	0.511		
1/2	16	0.50	3530-1/2X1.0D					1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601		
9/16	16	0.56	3530-9/16X1.0D				2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749	0.749		
5/8	14	0.63	3530-5/8X1.0D				3.369	3.369	3.369	2.359	2.359	2.359	1.679	1.351	1.351	1.010	1.010		
3/4	12	0.75	3530-3/4X1.0D				4.833	4.833	4.833	3.392	3.392	3.392	2.417	1.941	1.941	1.452	1.452		
7/8	11	0.88	3530-7/8X1.0D				8.236	8.236	5.774	5.774	5.774	4.117	3.301	3.301	2.473	2.473	2.473		
1	10	1.00	3530-1X1.0D				10.743	10.743	7.520	7.520	7.520	5.377	4.299	4.299	3.221	3.221	3.221		

BSF – 1.5D BULK INSERTS

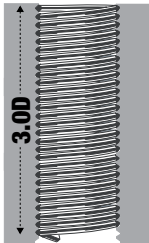
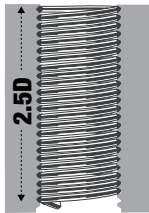
INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
3/16	32	0.29	3530-3/16X1.5D					0.885	0.885	0.885	0.624	0.624	0.624	0.442	0.352	0.352	0.261		
1/4	26	0.38	3530-1/4X1.5D					0.987	0.987	0.987	0.693	0.693	0.693	0.488	0.397	0.397	0.295		
5/16	22	0.47	3530-5/16X1.5D					1.111	1.111	1.111	0.772	0.772	0.772	0.555	0.442	0.442	0.329		
3/8	20	0.57	3530-3/8X1.5D					1.542	1.542	1.542	1.078	1.078	1.078	0.772	0.613	0.613	0.465		
7/16	18	0.66	3530-7/16X1.5D					1.826	1.826	1.826	1.282	1.282	1.282	0.918	0.727	0.727	0.545		
1/2	16	0.75	3530-1/2X1.5D					2.110	2.110	2.110	1.475	1.475	1.475	1.055	0.839	0.839	0.635		
9/16	16	0.84	3530-9/16X1.5D				2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862	0.862		
5/8	14	0.95	3530-5/8X1.5D				4.299	4.299	4.299	3.007	3.007	3.007	2.155	1.724	1.724	1.293	1.293		
3/4	12	1.13	3530-3/4X1.5D				5.728	5.728	5.728	4.016	4.016	4.016	2.869	2.292	2.292	1.724	1.724		
7/8	11	1.32	3530-7/8X1.5D				9.676	9.676	6.772	6.772	6.772	4.833	3.869	3.869	2.904	2.904	2.904		
1	10	1.50	3530-1X1.5D				12.183	12.183	8.530	8.530	8.530	6.092	4.879	4.879	3.652	3.652	3.652		

BSF – 2.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
3/16	32	0.38	3530-3/16X2.0D					0.941	0.941	0.941	0.658	0.658	0.658	0.465	0.374	0.374	0.283		
1/4	26	0.50	3530-1/4X2.0D					1.111	1.111	1.111	0.772	0.772	0.772	0.555	0.442	0.442	0.329		
5/16	22	0.62	3530-5/16X2.0D					1.327	1.327	1.327	0.931	0.931	0.931	0.658	0.534	0.534	0.397		
3/8	20	0.76	3530-3/8X2.0D					1.759	1.759	1.759	1.225	1.225	1.225	0.874	0.703	0.703	0.534		
7/16	18	0.88	3530-7/16X2.0D					2.007	2.007	2.007	1.407	1.407	1.407	0.998	0.806	0.806	0.601		
1/2	16	1.00	3530-1/2X2.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
9/16	16	1.12	3530-9/16X2.0D				4.117	4.117	4.117	2.882	2.882	2.882	2.064	1.645	1.645	1.237	1.237		
5/8	14	1.26	3530-5/8X2.0D				5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611	1.611		
3/4	12	1.50	3530-3/4X2.0D				7.520	7.520	7.520	5.264	5.264	5.264	3.766	3.007	3.007	2.258	2.258		
7/8	11	1.76	3530-7/8X2.0D				11.105	11.105	7.771	7.771	7.771	5.559	4.447	4.447	3.335	3.335	3.335		
1	10	2.00	3530-1X2.0D				13.976	13.976	9.778	9.778	9.778	6.988	5.592	5.592	4.186	4.186	4.186		



BSF



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BSF – 2.5D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
3/16	32	0.48	3530-3/16X2.5D					1.078	1.078	1.078	0.749	0.749	0.749	0.534	0.431	0.431	0.329		
1/4	26	0.63	3530-1/4X2.5D					1.169	1.169	1.169	0.816	0.816	0.816	0.579	0.465	0.465	0.352		
5/16	22	0.78	3530-5/16X2.5D					1.611	1.611	1.611	1.135	1.135	1.135	0.806	0.647	0.647	0.488		
3/8	20	0.95	3530-3/8X2.5D					2.155	2.155	2.155	1.509	1.509	1.509	1.078	0.862	0.862	0.647		
7/16	18	1.10	3530-7/16X2.5D					2.325	2.325	2.325	1.634	1.634	1.634	1.169	0.931	0.931	0.703		
1/2	16	1.25	3530-1/2X2.5D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862		
9/16	16	1.40	3530-9/16X2.5D					5.377	5.377	5.377	3.766	3.766	3.766	2.688	2.155	2.155	1.611		
5/8	14	1.58	3530-5/8X2.5D					6.806	6.806	6.806	4.764	4.764	4.764	3.403	2.723	2.723	2.042		
3/4	12	1.88	3530-3/4X2.5D					9.676	9.676	9.676	6.772	6.772	6.772	4.833	3.869	3.869	2.904		
7/8	11	2.20	3530-7/8X2.5D					13.261	13.261	9.279	9.279	9.279	6.625	5.309	5.309	3.982	3.982		
1	10	2.50	3530-1X2.5D					17.197	17.197	12.036	12.036	12.036	8.599	6.874	6.874	5.162	5.162		

BSF – 3.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
3/16	32	0.57	3530-3/16X3.0D					1.214	1.214	1.214	0.851	0.851	0.851	0.613	0.488	0.488	0.363		
1/4	26	0.75	3530-1/4X3.0D					1.327	1.327	1.327	0.931	0.931	0.931	0.658	0.534	0.534	0.397		
5/16	22	0.93	3530-5/16X3.0D					1.793	1.793	1.793	1.259	1.259	1.259	0.896	0.714	0.714	0.534		
3/8	20	1.14	3530-3/8X3.0D					2.506	2.506	2.506	1.759	1.759	1.759	1.259	0.998	0.998	0.749		
7/16	18	1.32	3530-7/16X3.0D					2.869	2.869	2.869	2.007	2.007	2.007	1.430	1.145	1.145	0.862		
1/2	16	1.50	3530-1/2X3.0D					3.936	3.936	3.936	2.756	2.756	2.756	1.973	1.577	1.577	1.179		
9/16	16	1.68	3530-9/16X3.0D					6.454	6.454	6.454	4.515	4.515	4.515	3.221	2.575	2.575	1.941		
5/8	14	1.89	3530-5/8X3.0D					8.236	8.236	8.236	5.774	5.774	5.774	4.117	3.301	3.301	2.473		
3/4	12	2.25	3530-3/4X3.0D					11.468	11.468	11.468	8.031	8.031	8.031	5.728	4.582	4.582	3.437		
7/8	11	2.64	3530-7/8X3.0D					15.053	15.053	10.538	10.538	10.538	7.520	6.024	6.024	4.515	4.515		
1	10	3.00	3530-1X3.0D					19.704	19.704	13.795	13.795	13.795	9.847	7.884	7.884	5.910	5.910		

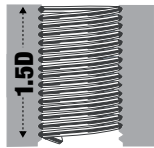


GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

NPT – BULK INSERTS																		
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
INCH	TPI	INCH	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000	
1/16	27	0.271	3552-1/16X.271					2.348	2.348	2.348	1.645	1.645	1.645	1.169	0.941	0.941	0.703	
1/8	27	0.273	3552-1/8X.273					2.348	2.348	2.348	1.645	1.645	1.645	1.169	0.941	0.941	0.703	
1/4	18	0.394	3552-1/4X.394					3.437	3.437	3.437	2.404	2.404	2.404	1.713	1.373	1.373	1.032	
3/8	18	0.407	3552-3/8X.407					4.299	4.299	4.299	3.007	3.007	3.007	2.155	1.724	1.724	1.293	
1/2	14	0.534	3552-1/2X.534				7.022	7.022	4.912	4.912	4.912	3.506	2.813	2.813	2.110	2.110	2.110	
3/4	14	0.553	3552-3/4X.553				10.323	10.323	7.226	7.226	7.226	5.162	4.130	4.130	3.097	3.097	3.097	
1	11.5	0.661	3552-1X.661				13.613	13.613	9.530	9.530	9.530	6.806	5.444	5.444	4.083	4.083	4.083	



**BA
BSC**



GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

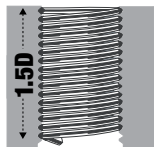
BA – 1.5D BULK INSERTS

				1.5D															
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
INCH	INCH	PART #			1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000	
0	0.0394	0.24	3544-0X1.5D							15.053	15.053	15.053	10.538	10.538	10.538	7.520	6.024	6.024	4.515
2	0.0319	0.19	3544-2X1.5D							1.577	1.577	1.577	1.100	1.100	1.100	0.794	0.635	0.635	0.476
4	0.0260	0.14	3544-4X1.5D							1.577	1.577	1.577	1.100	1.100	1.100	0.794	0.635	0.635	0.476
6	0.0209	0.11	3544-6X1.5D							10.028	10.028	10.028	7.022	7.022	7.022	5.014	4.016	4.016	3.007



BSC(B) – 1.5D BULK INSERTS

				1.5D															
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
INCH	TPI	INCH	PART #			1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
1/4	26	0.38	3560-1/4X1.5D							1.317	1.317	1.317	0.918	0.918	0.918	0.658	0.521	0.521	0.397
5/16	26	0.47	3560-5/16X1.5D							1.713	1.713	1.713	1.202	1.202	1.202	0.851	0.680	0.680	0.511
3/8	26	0.56	3560-3/8X1.5D							1.985	1.985	1.985	1.396	1.396	1.396	0.998	0.794	0.794	0.601
7/16	26	0.66	3560-7/16x1.5D							2.756	2.756	2.756	1.928	1.928	1.928	1.373	1.100	1.100	0.828
1/2	26	0.75	3560-1/2X1.5D							4.594	4.594	4.594	3.210	3.210	3.210	2.292	1.838	1.838	1.373





METRIC

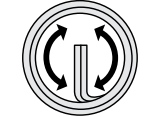
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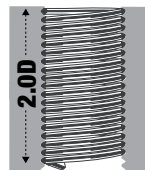
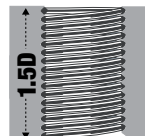
GROUP	PCIR
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC

D	MM	MM	INSTALLED LENGTH	#	\$	1.0D		1.5D		2.0D	
						\$	PART #	\$	PART #	\$	PART #
2.20	0.45	1.0D	2.20MM	1000	0.45	3520-2.20X1.0DIR					
2.20	0.45	1.5D	3.30MM	1000			0.50	3520-2.20X1.5DIR			
2.20	0.45	2.0D	4.40MM	1000					0.51	3520-2.20X2.0DIR	
2.50	0.45	1.0D	2.50MM	1000	0.42	3520-2.50X1.0DIR					
2.50	0.45	1.5D	3.75MM	1000			0.44	3520-2.50X1.5DIR			
2.50	0.45	2.0D	5.00MM	1000					0.48	3520-2.50X2.0DIR	
3.00	0.50	1.0D	3.00MM	1000	0.42	3520-3.00X1.0DIR					
3.00	0.50	1.5D	4.50MM	1000			0.44	3520-3.00X1.5DIR			
3.00	0.50	2.0D	6.00MM	1000					0.48	3520-3.00X2.0DIR	
4.00	0.70	1.0D	4.00MM	1000	0.42	3520-4.00X1.0DIR					
4.00	0.70	1.5D	6.00MM	1000			0.44	3520-4.00X1.5DIR			
4.00	0.70	2.0D	8.00MM	1000					0.48	3520-4.00X2.0DIR	
5.00	0.80	1.0D	5.00MM	1000	0.53	3520-5.00X1.0DIR					
5.00	0.80	1.5D	7.50MM	1000			0.55	3520-5.00X1.5DIR			
5.00	0.80	2.0D	10.00MM	1000					0.59	3520-5.00X2.0DIR	
6.00	1.00	1.0D	6.00MM	500	0.57	3520-6.00X1.0DIR					
6.00	1.00	1.5D	9.00MM	500			0.62	3520-6.00X1.5DIR			
6.00	1.00	2.0D	12.00MM	500					0.68	3520-6.00X2.0DIR	
8.00	1.00	1.0D	8.00MM	250	0.84	3521-8.00X1.0DIR					
8.00	1.00	1.5D	12.00MM	250			0.96	3521-8.00X1.5DIR			
8.00	1.00	2.0D	16.00MM	250					1.06	3521-8.00X2.0DIR	
8.00	1.25	1.0D	8.00MM	250	0.84	3520-8.00X1.0DIR					
8.00	1.25	1.5D	12.00MM	250			0.96	3520-8.00X1.5DIR			
8.00	1.25	2.0D	16.00MM	250					1.06	3520-8.00X2.0DIR	
10.00	1.50	1.0D	10.00MM	250	1.19	3520-10.00X1.0DIR					
10.00	1.50	1.5D	15.00MM	250			1.34	3520-10.00X1.5DIR			
10.00	1.50	2.0D	20.00MM	250					1.54	3520-10.00X2.0DIR	
12.00	1.75	1.0D	12.00MM	125	1.74	3520-12.00X1.0DIR					
12.00	1.75	1.5D	18.00MM	125			1.87	3520-12.00X1.5DIR			
12.00	1.75	2.0D	24.00MM	125					2.20	3520-12.00X2.0DIR	



**MC
MF**



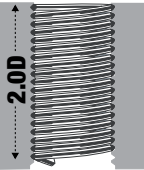
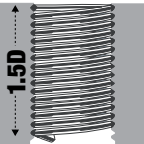
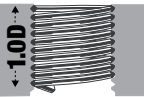
GROUP	PCIR
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING



UNC										
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
2G	56	1.0D	0.09"	1000	0.53	3532-2GX1.0DIR				
2G	56	1.5D	0.13"	1000			0.59	3532-2GX1.5DIR		
2G	56	2.0D	0.17"	1000					0.61	3532-2GX2.0DIR
4G	40	1.0D	0.11"	1000	0.41	3532-4GX1.0DIR				
4G	40	1.5D	0.17"	1000			0.43	3532-4GX1.5DIR		
4G	40	2.0D	0.22"	1000					0.48	3532-4GX2.0DIR
5G	40	1.0D	0.13"	1000	0.41	3532-5GX1.0DIR				
5G	40	1.5D	0.19"	1000			0.43	3532-5GX1.5DIR		
5G	40	2.0D	0.25"	1000					0.48	3532-5GX2.0DIR
6G	32	1.0D	0.14"	1000	0.41	3532-6GX1.0DIR				
6G	32	1.5D	0.21"	1000			0.43	3532-6GX1.5DIR		
6G	32	2.0D	0.28"	1000					0.48	3532-6GX2.0DIR
8G	32	1.0D	0.16"	1000	0.41	3532-8GX1.0DIR				
8G	32	1.5D	0.25"	1000			0.43	3532-8GX1.5DIR		
8G	32	2.0D	0.33"	1000					0.48	3532-8GX2.0DIR
10G	24	1.0D	0.19"	1000	0.41	3532-10GX1.0DIR				
10G	24	1.5D	0.29"	1000			0.54	3532-10GX1.5DIR		
10G	24	2.0D	0.38"	1000					0.59	3532-10GX2.0DIR
12G	24	1.0D	0.22"	500	0.51	3532-12GX1.0DIR				
12G	24	1.5D	0.32"	500			0.53	3532-12GX1.5DIR		
12G	24	2.0D	0.43"	500					0.55	3532-12GX2.0DIR
1/4	20	1.0D	0.25"	500	0.60	3532-1/4X1.0DIR				
1/4	20	1.5D	0.38"	500			0.61	3532-1/4X1.5DIR		
1/4	20	2.0D	0.50"	500					0.70	3532-1/4X2.0DIR
5/16	18	1.0D	0.31"	250	0.90	3532-5/16X1.0DIR				
5/16	18	1.5D	0.47"	250			0.96	3532-5/16X1.5DIR		
5/16	18	2.0D	0.62"	250					1.05	3532-5/16X2.0DIR
3/8	16	1.0D	0.38"	250	1.23	3532-3/8X1.0DIR				
3/8	16	1.5D	0.57"	250			1.34	3532-3/8X1.5DIR		
3/8	16	2.0D	0.76"	250					1.57	3532-3/8X2.0DIR
UNF										
4G	48	1.0D	0.11"	1000	0.41	3534-4GX1.0DIR				
4G	48	1.5D	0.17"	1000			0.43	3534-4GX1.5DIR		
4G	48	2.0D	0.22"	1000					0.48	3534-4GX2.0DIR
6G	40	1.0D	0.14"	1000	0.41	3534-6GX1.0DIR				
6G	40	1.5D	0.21"	1000			0.43	3534-6GX1.5DIR		
6G	40	2.0D	0.28"	1000					0.48	3534-6GX2.0DIR
8G	36	1.0D	0.16"	1000	0.41	3534-8GX1.0DIR				
8G	36	1.5D	0.25"	1000			0.43	3534-8GX1.5DIR		
8G	36	2.0D	0.33"	1000					0.48	3534-8GX2.0DIR
10G	32	1.0D	0.19"	1000	0.41	3534-10GX1.0DIR				
10G	32	1.5D	0.29"	1000			0.54	3534-10GX1.5DIR		
10G	32	2.0D	0.38"	1000					0.59	3534-10GX2.0DIR
1/4	28	1.0D	0.25"	500	0.60	3534-1/4X1.0DIR				
1/4	28	1.5D	0.38"	500			0.61	3534-1/4X1.5DIR		
1/4	28	2.0D	0.50"	500					0.70	3534-1/4X2.0DIR
5/16	24	1.0D	0.31"	250	0.90	3534-5/16X1.0DIR				
5/16	24	1.5D	0.47"	250			0.96	3534-5/16X1.5DIR		
5/16	24	2.0D	0.62"	250					1.05	3534-5/16X2.0DIR
3/8	24	1.0D	0.38"	250	1.23	3534-3/8X1.0DIR				
3/8	24	1.5D	0.57"	250			1.34	3534-3/8X1.5DIR		
3/8	24	2.0D	0.76"	250					1.55	3534-3/8X2.0DIR












**UNC
UNF**





GROUP	PCTP	PCTP
MATERIAL	HSS	HSSE
TOLERANCE	4H5H	4H5H
TYPE	STI	STI

METRIC COARSE – STI TAPS

									
								MM	MM
2.00	0.40	44.50	68.79	3520-2.00T	3520-2.00I	3520-2.00B	87.43	3520-2.00SP	3520-2.00SF
2.20	0.45	44.50	68.79	3520-2.20T	3520-2.20I	3520-2.20B	87.43	3520-2.20SP	3520-2.20SF
2.50	0.45	48.00	50.16	3520-2.50T	3520-2.50I	3520-2.50B	57.68	3520-2.50SP	3520-2.50SF
3.00	0.50	53.00	43.00	3520-3.00T	3520-3.00I	3520-3.00B	57.34	3520-3.00SP	3520-3.00SF
3.50	0.60	53.00	50.16	3520-3.50T	3520-3.50I	3520-3.50B	57.68	3520-3.50SP	3520-3.50SF
4.00	0.70	58.00	40.13	3520-4.00T	3520-4.00I	3520-4.00B	50.16	3520-4.00SP	3520-4.00SF
5.00	0.80	66.00	40.13	3520-5.00T	3520-5.00I	3520-5.00B	50.16	3520-5.00SP	3520-5.00SF
6.00	1.00	72.00	40.13	3520-6.00T	3520-6.00I	3520-6.00B	54.44	3520-6.00SP	3520-6.00SF
7.00	1.00	72.00	50.16	3520-7.00T	3520-7.00I	3520-7.00B	54.44	3520-7.00SP	3520-7.00SF
8.00	1.25	80.00	47.30	3520-8.00T	3520-8.00I	3520-8.00B	58.76	3520-8.00SP	3520-8.00SF
9.00	1.25	85.00	71.66	3520-9.00T	3520-9.00I	3520-9.00B			
10.00	1.50	89.00	57.34	3520-10.00T	3520-10.00I	3520-10.00B	64.49	3520-10.00SP	3520-10.00SF
11.00	1.50	89.00	78.83	3520-11.00T	3520-11.00I	3520-11.00B	94.59	3520-11.00SP	3520-11.00SF
12.00	1.75	95.00	78.83	3520-12.00T	3520-12.00I	3520-12.00B	93.15	3520-12.00SP	3520-12.00SF
13.00	1.75	95.00	128.98	3520-13.00T	3520-13.00I	3520-13.00B			
14.00	2.00	102.00	93.15	3520-14.00T	3520-14.00I	3520-14.00B	114.65	3520-14.00SP	3520-14.00SF
15.00	2.00	112.00	114.65	3520-15.00T	3520-15.00I	3520-15.00B			
16.00	2.00	112.00	107.48	3520-16.00T	3520-16.00I	3520-16.00B	128.98	3520-16.00SP	3520-16.00SF
18.00	2.50	118.00	171.97	3520-18.00T	3520-18.00I	3520-18.00B	257.96	3520-18.00SP	3520-18.00SF
20.00	2.50	118.00	186.31	3520-20.00T	3520-20.00I	3520-20.00B	214.97	3520-20.00SP	3520-20.00SF
22.00	2.50	130.00	214.97	3520-22.00T	3520-22.00I	3520-22.00B	227.40	3520-22.00SP	3520-22.00SF
24.00	3.00	138.00	257.96	3520-24.00T	3520-24.00I	3520-24.00B	272.29	3520-24.00SP	3520-24.00SF
27.00	3.00	151.00	279.45		3520-27.00I				
30.00	3.50	162.00	372.60		3520-30.00I		415.59	3520-30.00SP	3520-30.00SF
33.00	3.50	162.00	372.60		3520-33.00I		497.60	3520-33.00SP	3520-33.00SF
36.00	4.00	170.00	415.59		3520-36.00I				
42.00	4.50	187.00	POA		3520-42.00I				

GROUP	PCTP	PCTP
MATERIAL	HSS	HSSE
TOLERANCE	4H5H	4H5H
TYPE	STI	STI

METRIC FINE – STI TAPS

MM	MM	MM	\$	PART #	PART #	PART #	\$	PART #	PART #		
8.00	1.00	80.00	50.16	3521-8.00T	3521-8.00I	3521-8.00B	57.34	3521-8.00SP	3521-8.00SF		
10.00	1.25	85.00	57.34	3521-10.00T	3521-10.00I	3521-10.00B	71.66	3521-10.00SP	3521-10.00SF		
10.00	1.00	85.00	64.49	3523-10.00T	3523-10.00I	3523-10.00B	71.66	3523-10.00SP	3523-10.00SF		
11.00	1.25	88.00	78.83	3521-11.00T	3521-11.00I	3521-11.00B					
11.00	1.00	88.00	100.31	3523-11.00T	3523-11.00I	3523-11.00B					
12.00	1.50	95.00	78.83	3521-12.00T	3521-12.00I	3521-12.00B	100.31	3521-12.00SP	3521-12.00SF		
12.00	1.25	95.00	85.98	3523-12.00T	3523-12.00I	3523-12.00B	100.31	3523-12.00SP	3523-12.00SF		
12.00	1.00	95.00	136.15	3524-12.00T	3524-12.00I	3524-12.00B					
13.00	1.25	95.00	128.98	3523-13.00T	3523-13.00I	3523-13.00B					
14.00	1.50	102.00	93.15	3521-14.00T	3521-14.00I	3521-14.00B	128.98	3521-14.00SP	3521-14.00SF		
14.00	1.25	102.00	97.46	3523-14.00T	3523-14.00I	3523-14.00B	128.98	3523-14.00SP	3523-14.00SF		
14.00	1.00	102.00	97.46	3524-14.00T	3524-14.00I	3524-14.00B					
15.00	1.50	104.00	128.98	3521-15.00T	3521-15.00I	3521-15.00B					
16.00	1.50	104.00	114.65	3521-16.00T	3521-16.00I	3521-16.00B					
18.00	2.00	104.00	186.31	3521-18.00T	3521-18.00I	3521-18.00B					
18.00	1.50	104.00	171.97	3523-18.00T	3523-18.00I	3523-18.00B					
20.00	2.00	113.00	200.63	3521-20.00T	3521-20.00I	3521-20.00B					
20.00	1.50	113.00	193.46	3523-20.00T	3523-20.00I	3523-20.00B					
22.00	2.00	120.00	229.30	3521-22.00T	3521-22.00I	3521-22.00B					
22.00	1.50	120.00	214.97	3523-22.00T	3523-22.00I	3523-22.00B					
24.00	2.00	127.00	272.29	3521-24.00T	3521-24.00I	3521-24.00B					
24.00	1.50	120.00	257.96	3523-24.00T	3523-24.00I	3523-24.00B					
26.00	1.50	127.00	279.45	3523-26.00T	3523-26.00I	3523-26.00B					
27.00	2.00	127.00	279.45	3521-27.00T	3521-27.00I	3521-27.00B					
27.00	1.50	127.00	279.45	3523-27.00T	3523-27.00I	3523-27.00B					
28.00	1.50	127.00	372.60	3523-28.00T	3523-28.00I	3523-28.00B					
30.00	2.00	137.00	372.60	3521-30.00T	3521-30.00I	3521-30.00B					
30.00	1.50	137.00	372.60	3523-30.00T	3523-30.00I	3523-30.00B					
33.00	2.00	144.00	372.60	3521-33.00T	3521-33.00I	3521-33.00B					
36.00	3.00	170.00	415.59	3521-36.00T	3521-36.00I	3521-36.00B					
36.00	2.00	150.00	415.59	3523-36.00T	3523-36.00I	3523-36.00B					
36.00	1.50	150.00	415.59	3524-36.00T	3524-36.00I	3524-36.00B					



SPARK PLUG – PILOT NOSE STI TAPS

MM	MM	MM	\$	PART #					
6.00	1.00	70.00	57.34	3520-6.00PN					
8.00	1.25	75.00	71.66	3520-8.00PN					
10.00	1.50	80.00	78.83	3520-10.00PN					
10.00	1.00	74.00	93.15	3522-10.00PN					
12.00	1.25	75.00	100.31	3522-12.00PN					
14.00	1.25	90.00	111.78	3522-14.00PN					
18.00	1.50	116.00	214.97	3522-18.00PN					





GROUP	PCTP	PCTP
MATERIAL	HSS	HSSE
TOLERANCE	3B	3B
TYPE	STI	STI

UNC – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #	\$	PART #	PART #		
2G	56	48.00	45.86	3532-2GT	3532-2GI	3532-2GB	54.44	3532-2GSP	3532-2GSF		
3G	48	48.00	71.66	3532-3GT	3532-3GI	3532-3GB	85.98	3532-3GSP	3532-3GSF		
4G	40	53.00	45.86	3532-4GT	3532-4GI	3532-4GB	54.44	3532-4GSP	3532-4GSF		
5G	40	53.00	50.16	3532-5GT	3532-5GI	3532-5GB	57.34	3532-5GSP	3532-5GSF		
6G	32	58.00	40.13	3532-6GT	3532-6GI	3532-6GB	50.16	3532-6GSP	3532-6GSF		
8G	32	62.00	43.00	3532-8GT	3532-8GI	3532-8GB	50.16	3532-8GSP	3532-8GSF		
10G	24	66.00	43.00	3532-10GT	3532-10GI	3532-10GB	50.16	3532-10GSP	3532-10GSF		
12G	24	66.00	45.86	3532-12GT	3532-12GI	3532-12GB	57.34	3532-12GSP	3532-12GSF		
1/4	20	72.00	43.00	3532-1/4T	3532-1/4I	3532-1/4B	54.44	3532-1/4SP	3532-1/4SF		
5/16	18	80.00	47.30	3532-5/16T	3532-5/16I	3532-5/16B	57.34	3532-5/16SP	3532-5/16SF		
3/8	16	85.00	51.60	3532-3/8T	3532-3/8I	3532-3/8B	64.49	3532-3/8SP	3532-3/8SF		
7/16	14	95.00	68.79	3532-7/16T	3532-7/16I	3532-7/16B	85.98	3532-7/16SP	3532-7/16SF		
1/2	13	102.00	77.39	3532-1/2T	3532-1/2I	3532-1/2B	96.01	3532-1/2SP	3532-1/2SF		
9/16	12	112.00	93.15	3532-9/16T	3532-9/16I	3532-9/16B					
5/8	11	112.00	107.48	3532-5/8T	3532-5/8I	3532-5/8B	128.98	3532-5/8SP	3532-5/8SF		
3/4	10	118.00	164.81	3532-3/4T	3532-3/4I	3532-3/4B	189.54	3532-3/4SP	3532-3/4SF		
7/8	9	130.00	207.79	3532-7/8T	3532-7/8I	3532-7/8B	257.96	3532-7/8SP	3532-7/8SF		
1	8	138.00	257.96	3532-1T	3532-1I	3532-1B	284.04	3532-1SP	3532-1SF		
1-1/8	7	151.00	257.96	3532-1.1/8T	3532-1.1/8I	3532-1.1/8B					
1-1/4	7	162.00	308.11	3532-1.1/4T	3532-1.1/4I	3532-1.1/4B					
1-3/8	6	170.00	379.78	3532-1.3/8T	3532-1.3/8I	3532-1.3/8B					
1-1/2	6	187.00	501.59	3532-1.1/2T	3532-1.1/2I	3532-1.1/2B					

UNF – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #	\$	PART #	PART #		
3G	56	48.00	71.66	3534-3GT	3534-3GI	3534-3GB	85.98	3534-3GSP	3534-3GSF		
4G	48	53.00	71.66	3534-4GT	3534-4GI	3534-4GB	85.98	3534-4GSP	3534-4GSF		
6G	40	53.00	71.66	3534-6GT	3534-6GI	3534-6GB	85.98	3534-6GSP	3534-6GSF		
8G	36	62.00	71.66	3534-8GT	3534-8GI	3534-8GB	85.98	3534-8GSP	3534-8GSF		
10G	32	66.00	43.00	3534-10GT	3534-10GI	3534-10GB	50.16	3534-10GSP	3534-10GSF		
12G	28	66.00	48.24	3534-12GT	3534-12GI	3534-12GB	68.89	3534-12GSP	3534-12GSF		
1/4	28	69.00	43.00	3534-1/4T	3534-1/4I	3534-1/4B	54.44	3534-1/4SP	3534-1/4SF		
5/16	24	76.00	47.30	3534-5/16T	3534-5/16I	3534-5/16B	57.34	3534-5/16SP	3534-5/16SF		
3/8	24	82.00	51.60	3534-3/8T	3534-3/8I	3534-3/8B	64.49	3534-3/8SP	3534-3/8SF		
7/16	20	84.00	68.79	3534-7/16T	3534-7/16I	3534-7/16B	85.98	3534-7/16SP	3534-7/16SF		
1/2	20	90.00	77.39	3534-1/2T	3534-1/2I	3534-1/2B	96.01	3534-1/2SP	3534-1/2SF		
9/16	18	104.00	93.15	3534-9/16T	3534-9/16I	3534-9/16B	112.79	3534-9/16SP	3534-9/16SF		
5/8	18	104.00	107.48	3534-5/8T	3534-5/8I	3534-5/8B	128.98	3534-5/8SP	3534-5/8SF		
3/4	16	104.00	164.81	3534-3/4T	3534-3/4I	3534-3/4B	192.41	3534-3/4SP	3534-3/4SF		
7/8	14	120.00	207.79	3534-7/8T	3534-7/8I	3534-7/8B	257.96	3534-7/8SP	3534-7/8SF		
1	12	127.00	257.96	3534-1T	3534-1I	3534-1B	284.04	3534-1SP	3534-1SF		
1	14	127.00	272.29	3535-1T	3535-1I	3535-1B	325.09	3535-1SP	3535-1SF		
1-1/8	12	137.00	257.96	3534-1.1/8T	3534-1.1/8I	3534-1.1/8B					
1-1/4	12	144.00	308.11	3534-1.1/4T	3534-1.1/4I	3534-1.1/4B					
1-3/8	12	150.00	379.78	3534-1.3/8T	3534-1.3/8I	3534-1.3/8B					
1-1/2	12	150.00	501.59	3534-1.1/2T	3534-1.1/2I	3534-1.1/2B					

GROUP	PCTP
MATERIAL	HSS
TOLERANCE	3B
TYPE	STI

BSW – STI TAPS						
INCH	TPI	MM	\$	PART #	PART #	PART #
1/8	40	53.00	71.66	3528-1/8T	3528-1/8I	3528-1/8B
3/16	24	56.00	50.16	3528-3/16T	3528-3/16I	3528-3/16B
1/4	20	72.00	47.30	3528-1/4T	3528-1/4I	3528-1/4B
5/16	18	80.00	50.16	3528-5/16T	3528-5/16I	3528-5/16B
3/8	16	85.00	57.34	3528-3/8T	3528-3/8I	3528-3/8B
7/16	14	95.00	74.54	3528-7/16T	3528-7/16I	3528-7/16B
1/2	12	102.00	83.13	3528-1/2T	3528-1/2I	3528-1/2B
9/16	12	102.00	107.48	3528-9/16T	3528-9/16I	3528-9/16B
5/8	11	112.00	121.80	3528-5/8T	3528-5/8I	3528-5/8B
11/16	11	112.00	137.80	3528-11/16T	3528-11/16I	3528-11/16B
3/4	10	118.00	179.14	3528-3/4T	3528-3/4I	3528-3/4B
7/8	9	130.00	222.14	3528-7/8T	3528-7/8I	3528-7/8B
1	8	138.00	286.62	3528-1T	3528-1I	3528-1B

BSF – STI TAPS						
INCH	TPI	MM	\$	PART #	PART #	PART #
3/16	32	66.00	64.49	3530-3/16T	3530-3/16I	3530-3/16B
1/4	26	72.00	64.49	3530-1/4T	3530-1/4I	3530-1/4B
5/16	22	80.00	68.79	3530-5/16T	3530-5/16I	3530-5/16B
3/8	20	85.00	78.83	3530-3/8T	3530-3/8I	3530-3/8B
7/16	18	89.00	107.48	3530-7/16T	3530-7/16I	3530-7/16B
1/2	16	95.00	114.65	3530-1/2T	3530-1/2I	3530-1/2B
9/16	16	102.00	128.98	3530-9/16T	3530-9/16I	3530-9/16B
5/8	14	112.00	157.64	3530-5/8T	3530-5/8I	3530-5/8B
11/16	14	112.00	192.92	3530-11/16T	3530-11/16I	3530-11/16B
3/4	12	118.00	243.63	3530-3/4T	3530-3/4I	3530-3/4B
7/8	11	130.00	265.13	3530-7/8T	3530-7/8I	3530-7/8B
1	10	138.00	365.44	3530-1T	3530-1I	3530-1B

BSP – STI TAPS						
INCH	TPI	MM	\$	PART #	PART #	PART #
1/8	28	59.00	64.49	3546-1/8T	3546-1/8I	3546-1/8B
1/4	19	67.00	82.41	3546-1/4T	3546-1/4I	3546-1/4B
3/8	19	75.00	107.48	3546-3/8T	3546-3/8I	3546-3/8B
1/2	14	87.00	164.81	3546-1/2T	3546-1/2I	3546-1/2B
5/8	14	91.00	200.63	3546-5/8T	3546-5/8I	3546-5/8B
3/4	14	96.00	222.14	3546-3/4T	3546-3/4I	3546-3/4B
7/8	14	96.00	316.94	3546-7/8T	3546-7/8I	3546-7/8B
1	11	109.00	329.63	3546-1T	3546-1I	3546-1B



NPT, 8-UN,

BSC, BA



GROUP	PCTP
MATERIAL	HSS
TOLERANCE	3B
TYPE	STI

NPT – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #
1/16	27	54.00	58.71		3552-1/16I	
1/8	27	54.00	64.49	3552-1/8T	3552-1/8I	3552-1/8B
1/4	18	62.00	82.41	3552-1/4T	3552-1/4I	3552-1/4B
3/8	18	65.00	107.48	3552-3/8T	3552-3/8I	3552-3/8B
1/2	14	80.00	164.81	3552-1/2T	3552-1/2I	3552-1/2B
3/4	14	83.00	222.14	3552-3/4T	3552-3/4I	3552-3/4B
1	11.5	95.00	329.63	3552-1T	3552-1I	3552-1B

8-UN – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #
1-1/8	8	151.00	413.40	3570-1.1/8T	3570-1.1/8I	3570-1.1/8B
1-1/4	8	162.00	482.29	3570-1.1/4T	3570-1.1/4I	3570-1.1/4B
1-3/8	8	170.00	620.09	3570-1.3/8T	3570-1.3/8I	3570-1.3/8B
1-1/2	8	170.00	482.29	3570-1.1/2T	3570-1.1/2I	3570-1.1/2B
1-5/8	8	187.00	744.11	3570-1.5/8T	3570-1.5/8I	3570-1.5/8B
1-3/4	8	187.00	826.79	3570-1.3/4T	3570-1.3/4I	3570-1.3/4B
1-7/8	8	200.00	964.59	3570-1.7/8T	3570-1.7/8I	3570-1.7/8B
2	8	200.00	1,033.49	3570-2T	3570-2I	3570-2B

BSC – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #
1/4	26	69.00	55.12	3560-1/4T	3560-1/4I	3560-1/4B
5/16	26	76.00	68.89	3560-5/16T	3560-5/16I	3560-5/16B
3/8	26	82.00	82.68	3560-3/8T	3560-3/8I	3560-3/8B
7/16	26	84.00	103.36	3560-7/16T	3560-7/16I	3560-7/16B
1/2	26	90.00	128.98	3560-1/2T	3560-1/2I	3560-1/2B

BA – STI TAPS

INCH	INCH	MM	\$	PART #	PART #	PART #
0	0.0394	66.00	85.98	3544-0T	3544-0I	3544-0B
2	0.0319	66.00	85.98	3544-2T	3544-2I	3544-2B
4	0.0260	53.00	85.98	3544-4T	3544-4I	3544-4B
6	0.0209	50.00	85.98	3544-6T	3544-6I	3544-6B



GROUP	PCIT
USAGE	GENERAL
INSERT TYPE	WIRE THREAD
INSERT STYLE	FREE RUNNING
APPLICATION	LOW VOLUME

HAND INSTALLATION TOOLS – HIT



MC	MF	SPARK	UNC	UNF	BSW	BSF	BA	BSC	NPT	BSP	UN-8	\$	PART #
2X0.40	-	-	-	-	-	-	-	-	-	-	-	22.93	3500-HIT2
2.20X0.45	-	-	2GX56	-	-	-	-	-	-	-	-	22.93	3500-HIT2
2.50X0.45	-	-	3GX48	3GX56	-	-	#6	-	-	-	-	22.93	3500-HIT3
3X0.50	-	-	4GX40	4GX48	1/8X40	-	-	-	-	-	-	22.93	3500-HIT4
-	-	-	5GX40	-	-	-	-	-	-	-	-	22.93	3500-HIT4
3.50X0.60	-	-	6GX32	6GX40	-	-	#4	-	-	-	-	22.93	3500-HIT5
4X0.70	-	-	8GX32	8GX36	-	-	-	-	-	-	-	15.78	3500-HIT6
-	-	-	10GX24	-	3/16X24	-	#2	-	-	-	-	15.78	3500-HIT7
5X0.80	-	-	12GX24	10GX32	-	3/16X32	-	-	-	-	-	15.78	3500-HIT8
-	-	-	-	12GX28	-	-	-	-	-	-	-	15.78	3500-HIT8
6X1.00	-	-	1/4X20	1/4X28	1/4X20	1/4X26	#0	1/4X26	-	-	-	15.78	3500-HIT9
7X1.00	-	-	5/16X18	-	5/16X18	-	-	-	1/16X27	-	-	15.78	3500-HIT10
8X1.25	8X1.00	-	-	5/16X24	3/8X16	5/16X22	-	5/16X26	-	-	-	15.78	3500-HIT11
9X1.25	10X1.25	10X1.00	3/8X16	3/8X24	-	3/8X20	-	3/8X26	-	-	-	15.78	3500-HIT13
9X1.00	10X1.00	-	-	-	-	-	-	-	-	-	-	15.78	3500-HIT13
10X1.50	-	-	-	-	-	-	-	-	1/8X27	-	-	15.78	3500-HIT13
11X1.50	11X1.25	-	7/16X14	7/16X20	7/16X14	7/16X18	-	7/16X26	-	1/8X28	-	17.19	3500-HIT14
-	11X1.00	-	-	7/16X14	-	-	-	-	-	-	-	17.19	3500-HIT14
12X1.75	12X1.50	10X1.25	1/2X13	1/2X20	1/2X12	1/2X16	-	1/2X26	-	-	-	18.63	3500-HIT15
12X1.00	12X1.25	-	-	-	-	-	-	-	-	-	-	18.63	3500-HIT15
14X2.00	14X1.00	-	9/16X12	9/16X18	9/16X12	9/16X16	-	-	-	1/4X19	-	20.06	3500-HIT16
15X2.00	14X1.50	-	-	-	-	-	-	-	1/4X18	-	-	20.06	3500-HIT16
-	-	14X1.25	-	-	-	-	-	-	-	-	-	20.06	3500-HIT17
16X2.00	16X1.50	-	5/8X11	5/8X18	5/8X11	5/8X14	-	-	3/8X18	-	-	20.06	3500-HIT18
18X2.50	18X2.00	18X1.50	3/4X10	-	3/4X10	3/4X12	-	-	-	3/8X19	-	20.06	3500-HIT20
-	18X1.50	-	-	-	-	-	-	-	-	-	-	20.06	3500-HIT20
20X2.50	20X2.00	-	-	3/4X16	-	-	-	-	-	-	-	25.79	3500-HIT21
-	20X1.50	-	-	-	-	-	-	-	-	-	-	25.79	3500-HIT21
22X2.50	22X2.00	-	7/8X9	7/8X14	7/8X9	7/8X11	-	-	1/2X14	-	-	28.64	3500-HIT22
-	22X1.50	-	-	-	-	-	-	-	-	-	-	28.64	3500-HIT22
24X3.00	24X2.00	-	1X8	1X12	1X8	1X10	-	-	-	1/2X14	-	50.16	3500-HIT23
-	24X1.50	-	-	1X14	-	-	-	-	-	5/8X14	-	50.16	3500-HIT23
27X3.00	26X1.50	-	-	-	-	-	-	-	3/4X14	3/4X14	-	48.24	3500-HIT24
30X3.00	-	-	1.1/8-7	1.1/8-12	-	-	-	-	-	-	1.1/8X8	48.24	3500-HIT25
33X3.50	30X2.00	-	1.1/4-7	1.1/4-12	-	-	-	-	-	-	1.1/4X8	68.89	3500-HIT26
-	-	-	1.3/8-6	1.3/8-12	-	-	-	-	1X11.5	7/8X14	1.3/8X8	68.89	3500-HIT27
-	-	-	-	-	-	-	-	-	-	1X11	-	68.89	3500-HIT27
36X4.00	36X2.00	-	1.1/2-6	1.1/2-12	-	-	-	-	-	-	1.1/2X8	68.89	3500-HIT28
42X4.50	-	-	-	-	-	-	-	-	-	-	1.5/8X8	68.89	3500-HIT28
-	-	-	-	-	-	-	-	-	-	-	1.3/4X8	68.89	3500-HIT28
-	-	-	-	-	-	-	-	-	-	-	1.7/8X8	96.46	3500-HIT30
-	-	-	-	-	-	-	-	-	-	-	2X8	96.46	3500-HIT30



GROUP	PCIT
USAGE	GENERAL
INSERT TYPE	WIRE THREAD
INSERT STYLE	ALL
APPLICATION	LOW VOLUME



TANG BREAK TOOLS – TB : INSERT REMOVAL TOOLS – RT

MC	MF	SPARK	UNC	UNF	BSW	BSF	BA	BSC	\$	PART #	\$	PART #
2X0.40	-	-	-	-	-	-	-	-	10.73	3500-TB1	24.13	3500-RT1
2.20X0.45	-	-	2GX56	-	-	-	-	-	10.73	3500-TB2	24.13	3500-RT1
2.50X0.45	-	-	3GX48	3GX56	-	-	#6	-	10.73	3500-TB3	24.13	3500-RT1
-	-	-	4GX40	4GX48	1/8X40	-	-	-	10.73	3500-TB4	24.13	3500-RT1
3X0.50	-	-	-	4GX48	-	-	-	-	10.73	3500-TB4	27.24	3500-RT2
-	-	-	5GX40	-	-	-	-	-	10.73	3500-TB4	24.13	3500-RT1
3.50X0.60	-	-	-	-	-	-	-	-	10.73	3500-TB5	27.24	3500-RT2
-	-	-	6GX32	6GX40	-	-	#4	-	10.73	3500-TB5	24.13	3500-RT1
4X0.70	-	-	-	-	-	3/16X32	-	-	10.73	3500-TB6	27.24	3500-RT2
-	-	-	8GX32	8GX36	-	-	-	-	10.73	3500-TB6	24.13	3500-RT1
5X0.80	-	-	10GX24	10GX32	3/16X24	-	#2	-	10.73	3500-TB8	27.24	3500-RT2
-	-	-	12GX24	12GX28	-	-	-	-	10.73	3500-TB8	27.24	3500-RT2
6X1.00	-	-	1/4X20	1/4X28	1/4X20	1/4X26	-	1/4X26	10.73	3500-TB9	27.24	3500-RT2
7X1.00	-	-	-	-	5/16X18	5/16X22	#0	-	12.11	3500-TB11	27.24	3500-RT2
8X1.25	8X1.00	-	5/16X18	5/16X24	-	-	-	5/16X26	12.11	3500-TB12	27.24	3500-RT2
9X1.25	9X1.00	10X1.00	-	-	-	-	-	-	12.11	3500-TB12	27.24	3500-RT2
-	-	-	3/8X16	-	3/8X16	3/8X20	-	-	12.11	3500-TB12	30.10	3500-RT3
10X1.50	10X1.25	-	-	-	-	-	-	-	12.11	3500-TB13	27.24	3500-RT2
-	-	-	-	3/8X24	-	-	-	3/8X26	12.11	3500-TB13	30.10	3500-RT3
-	10X1.00	-	-	-	-	-	-	-	12.11	3500-TB13	27.24	3500-RT2
11X1.50	11X1.25	-	7/16X14	7/16X20	7/16X14	7/16X18	-	7/16X26	14.61	3500-TB14	30.10	3500-RT3
-	11X1.00	-	-	-	-	-	-	-	14.61	3500-TB14	30.10	3500-RT3
12X1.75	12X1.50	10X1.25	1/2X13	1/2X20	1/2X12	1/2X16	-	1/2X26	14.61	3500-TB15	30.10	3500-RT3
-	12X1.00	12X1.25	-	-	-	-	-	-	14.61	3500-TB15	30.10	3500-RT3
13X1.75	13X1.50	-	-	-	-	-	-	-	14.61	3500-TB15	30.10	3500-RT3
-	13X1.25	-	-	-	-	-	-	-			30.10	3500-RT3
14X2.00	14X1.50	14X1.25	9/16X12	9/16X18	9/16X12	9/16X16	-	-			30.10	3500-RT3
-	14X1.00	-	-	-	-	-	-	-			30.10	3500-RT3
15X2.00	15X1.50	-	-	-	-	-	-	-			30.10	3500-RT3
16X2.00	16X1.50	-	5/8X11	5/8X18	5/8X11	5/8X14	-	-			30.10	3500-RT3
18X2.50	18X2.00	18X1.50	3/4X10	-	3/4X10	3/4X12	-	-			30.10	3500-RT3
20X2.50	20X2.00	-	-	3/4X16	-	-	-	-			30.10	3500-RT3
-	20X1.50	-	-	-	-	-	-	-			30.10	3500-RT3
22X2.50	22X2.00	-	7/8X9	7/8X14	7/8X9	7/8X11	-	-			30.10	3500-RT3
-	22X1.50	-	-	-	-	-	-	-			30.10	3500-RT3
24X3.00	24X2.00	-	1X8	1X12	1X8	1X10	-	-			30.10	3500-RT3
-	24X1.50	-	-	1X14	-	-	-	-			30.10	3500-RT3
-	26X1.50	-	-	-	-	-	-	-			71.66	3500-RT4
27X3.00	27X2.00	-	-	-	-	-	-	-			71.66	3500-RT4
-	27X1.50	-	-	-	-	-	-	-			71.66	3500-RT4
-	28X1.50	-	-	-	-	-	-	-			71.66	3500-RT4
30X3.50	30X2.00	-	1.1/8X7	1.1/8X12	-	-	-	-			71.66	3500-RT4
-	30X1.50	-	1.1/4X7	1.1/4X12	-	-	-	-			71.66	3500-RT4
33X3.50	33X2.00	-	1.3/8X6	1.3/8X12	-	-	-	-			71.66	3500-RT4
36X4.00	36X3.00	-	1.1/2X6	1.1/2X12	-	-	-	-			71.66	3500-RT4
42X4.50	36X2.00	-	-	-	-	-	-	-			71.66	3500-RT4
-	36X1.50	-	-	-	-	-	-	-			71.66	3500-RT4



Note: For larger insert sizes, where a TB (Tang Break) tool is not listed, the tang break operation is performed using the HIT (Hand Installation Tool).

GROUP	PCIT
USAGE	GENERAL
INSERT TYPE	WIRE THREAD
INSERT STYLE	ALL
APPLICATION	MED. VOLUME



MACHINE INSTALLATION TOOLS – MIT : PREWINDER TOOLS – HIP : SPRING LOADED TANG BREAK TOOLS – STB								
MC	MF	SPARK	\$	PART #	\$	PART #	\$	PART #
2X0.40	–	–	48.24	3520-2.00MIT	343.95	3520-2.00HIP	144.70	3500-STB1
2.20X0.45	–	–	48.24	3520-2.20MIT	343.95	3520-2.20HIP	144.70	3500-STB1
2.50X0.45	–	–	48.24	3520-2.50MIT	286.62	3520-2.50HIP	144.70	3500-STB2
3X0.50	–	–	35.83	3520-3.00MIT	286.62	3520-3.00HIP	144.70	3500-STB4
3.50X0.60	–	–	35.83	3520-3.50MIT	286.62	3520-3.50HIP	144.70	3500-STB4
4X0.70	–	–	35.83	3520-4.00MIT	286.62	3520-4.00HIP	144.70	3500-STB5
5X0.80	–	–	35.83	3520-5.00MIT	286.62	3520-5.00HIP	144.70	3500-STB6
6X1.00	–	–	35.83	3520-6.00MIT	286.62	3520-6.00HIP	144.70	3500-STB8
7X1.00	–	–	43.98	3520-7.00MIT	286.62	3520-7.00HIP		
8X1.25	–	–	43.98	3520-8.00MIT	286.62	3520-8.00HIP	220.49	3500-STB9
–	8X1.00	–	42.31	3521-8.00MIT	286.62	3521-8.00HIP	220.49	3500-STB9
10X1.50	–	–	48.52	3520-10.00MIT	286.62	3520-10.00HIP	220.49	3500-STB10
–	10X1.25	–	46.65	3521-10.00MIT	286.62	3521-10.00HIP	220.49	3500-STB10
–	10X1.00	–	46.65	3523-10.00MIT	286.62	3523-10.00HIP	220.49	3500-STB10
11X1.50	–	–	53.88	3520-11.00MIT	458.59	3520-11.00HIP		
12X1.75	–	–	53.88	3520-12.00MIT	286.62	3520-12.00HIP	303.15	3500-STB12
–	12X1.50	–	51.80	3521-12.00MIT	286.62	3521-12.00HIP	303.15	3500-STB12
–	–	12X1.25	51.80	3523-12.00MIT	286.62	3523-12.00HIP	303.15	3500-STB12
–	12X1.00	–					303.15	3500-STB12
14X2.00	–	–	62.02	3520-14.00MIT	458.59	3520-14.00HIP		
–	14X1.50	–	62.02	3521-14.00MIT	687.91	3521-14.00HIP		
–	–	14X1.25	62.02	3523-14.00MIT	458.59	3523-14.00HIP		
16X2.00	–	–	75.81	3520-16.00MIT	573.24	3520-16.00HIP		
–	16X1.50	–	75.81	3521-16.00MIT	745.20	3521-16.00HIP		

PowerCoil Installation and Extraction Tools

HIT Hand Installation Tool

The most flexible and cost effective installation tool for small volume applications – free running inserts only.

TB Tang Break Tool

Used to break the tang off inserts up to M13 or 1/2". Over these sizes and up to M24 or 1" the HIT tool is used to both install and break the tang.

RT Removal Tool

A quick and simple way to remove inserts up to M36 or 1.1/2" in diameter.

MIT Machine Installation Tool

1/4" hex shank tool suitable for use with electric and cordless tools. Ideal for medium volume installation using bulk free running and screw locking inserts.

HIP Hand Installation Prewinder Tool

For simplified installation of bulk free running and screw locking inserts in low to medium volume applications. HIP tools are ideal for installing MIL spec inserts.

STB Spring Loaded Tang Break Tool

Spring loaded tang break tools increase the efficiency of the tang break procedure in medium to high volume applications.

MIP Machine Installation (Front End Assemblies) – Pneumatic




The use of Front End Assemblies (nozzle and mandrel combination) with Pneumatic Tools provides maximum efficiency in high volume applications when using strip feed free running and screw locking inserts.



GROUP	PCIT
USAGE	GENERAL
INSERT TYPE	WIRE THREAD
INSERT STYLE	ALL
APPLICATION	MED. VOLUME



MACHINE INSTALLATION TOOLS – MIT : PREWINDER TOOLS – HIP : SPRING LOADED TANG BREAK TOOLS – STB

							
UNC	UNF	\$	PART #	\$	PART #	\$	PART #
2GX56	-	48.24	3532-2GMIT	343.95	3532-2GHIP	144.70	3500-STB1
3GX48	-			343.95	3532-3GHIP		
-	3GX56			252.22	3534-3GHIP		
4GX40	-	48.24	3532-4GMIT	229.30	3532-4GHIP	144.70	3500-STB3
-	4GX48	48.24	3534-4GMIT	252.22	3534-4GHIP	144.70	3500-STB3
5GX40	-	48.24	3532-5GMIT	229.30	3532-5GHIP	144.70	3500-STB3
6GX32	-	34.46	3532-6GMIT	229.30	3532-6GHIP	144.70	3500-STB4
-	6GX40	34.46	3534-6GMIT	252.22	3534-6GHIP	144.70	3500-STB4
8GX32	-	34.46	3532-8GMIT	229.30	3532-8GHIP	144.70	3500-STB5
-	8GX36	34.46	3534-8GMIT	252.22	3534-8GHIP	144.70	3500-STB5
10GX24	-	34.46	3532-10GMIT	229.30	3532-10GHIP	144.70	3500-STB6
-	10GX32	34.46	3534-10GMIT	252.22	3534-10GHIP	144.70	3500-STB6
12GX24	-	34.46	3532-12GMIT	229.30	3532-12GHIP	144.70	3500-STB7
-	12GX28			252.22	3534-12GHIP	144.70	3500-STB7
1/4X20	-	34.46	3532-1/4MIT	229.30	3532-1/4HIP	144.70	3500-STB8
-	1/4X28	34.46	3534-1/4MIT	252.22	3534-1/4HIP	144.70	3500-STB8
5/16X18	-	42.31	3532-5/16MIT	252.22	3532-5/16HIP	220.49	3500-STB9
-	5/16X24	42.31	3534-5/16MIT	252.22	3534-5/16HIP	220.49	3500-STB9
3/8X16	-	46.65	3532-3/8MIT	263.68	3532-3/8HIP	220.49	3500-STB10
-	3/8X24	46.65	3534-3/8MIT	252.22	3534-3/8HIP	220.49	3500-STB10
7/16X14	-	51.80	3532-7/16MIT	263.68	3532-7/16HIP	289.38	3500-STB11
-	7/16X20	51.80	3534-7/16MIT	286.62	3534-7/16HIP	289.38	3500-STB11
1/2X13	-	51.80	3532-1/2MIT	286.62	3532-1/2HIP	303.15	3500-STB12
-	1/2X20	51.80	3534-1/2MIT	286.62	3534-1/2HIP	303.15	3500-STB12

GROUP	PCIT
USAGE	GENERAL
INSERT TYPE	WIRE THREAD
INSERT STYLE	ALL
APPLICATION	HIGH VOLUME



PNEUMATIC TOOLS AND FRONT END ASSEMBLIES

MC	MF	\$	PART #	\$	PART #	\$	PART #	\$	PART #
2X0.40	-	513.13	3520-2.20MIP	179.07	3520-2.20MIPM	342.18	3520-2.20MIPN	2,170.31	3500-MIP1
2.50X0.45	-	513.13	3520-2.50MIP	179.07	3520-2.50MIPM	342.18	3520-2.50MIPN	2,170.31	3500-MIP1
3X0.50	-	493.37	3520-3.00MIP	179.07	3520-3.00MIPM	342.18	3520-3.00MIPN	2,170.31	3500-MIP1
3.50X0.60	-	493.37	3520-3.50MIP	179.07	3520-3.50MIPM	342.18	3520-3.50MIPN	2,170.31	3500-MIP1
4X0.70	-	493.37	3520-4.00MIP	179.07	3520-4.00MIPM	342.18	3520-4.00MIPN	2,170.31	3500-MIP1
5X0.80	-	513.13	3520-5.00MIP	179.07	3520-5.00MIPM	342.18	3520-5.00MIPN	2,170.31	3500-MIP1
6X1.00	-	493.37	3520-6.00MIP	179.07	3520-6.00MIPM	342.18	3520-6.00MIPN	2,170.31	3500-MIP1
8X1.25	-	837.69	3520-8.00MIP	318.30	3520-8.00MIPM	529.20	3520-8.00MIPN	2,532.06	3500-MIP2
-	8X1.00	847.52	3521-8.00MIP	318.30	3521-8.00MIPM	529.20	3521-8.00MIPN	2,532.06	3500-MIP2
10X1.50	-	837.69	3520-10.00MIP	318.30	3520-10.00MIPM	529.20	3520-10.00MIPN	2,532.06	3500-MIP2
-	10X1.25	847.52	3521-10.00MIP	318.30	3521-10.00MIPM	529.20	3521-10.00MIPN	2,532.06	3500-MIP2
-	10X1.00	881.41	3523-10.00MIP	318.30	3523-10.00MIPM	529.20	3523-10.00MIPN	2,532.06	3500-MIP2
12X1.75	-	837.69	3520-12.00MIP	318.30	3520-12.00MIPM	529.20	3520-12.00MIPN	2,532.06	3500-MIP2
-	12X1.50	883.33	3521-12.00MIP	366.06	3521-12.00MIPM	529.20	3521-12.00MIPN	2,532.06	3500-MIP2
-	12X1.25	883.33	3523-12.00MIP	366.06	3523-12.00MIPM	529.20	3523-12.00MIPN	2,532.06	3500-MIP2

PNEUMATIC TOOLS AND FRONT END ASSEMBLIES

UNC	UNF	\$	PART #	\$	PART #	\$	PART #	\$	PART #
2GX56	-	493.37	3532-2GMIP	179.07	3532-2GMIPM	331.93	3532-2GMIPN	2,170.31	3500-MIP1
4GX40	-	493.37	3532-4GMIP	179.07	3532-4GMIPM	331.93	3532-4GMIPN	2,170.31	3500-MIP1
5GX40	-	493.37	3532-5GMIP	179.07	3532-5GMIPM	331.93	3532-5GMIPN	2,170.31	3500-MIP1
6GX32	-	493.37	3532-6GMIP	179.07	3532-6GMIPM	331.93	3532-6GMIPN	2,170.31	3500-MIP1
-	6GX40	571.52	3534-6GMIP	251.69	3534-6GMIPM	331.93	3534-6GMIPN	2,170.31	3500-MIP1
8GX32	-	493.37	3532-8GMIP	179.07	3532-8GMIPM	331.93	3532-8GMIPN	2,170.31	3500-MIP1
-	8GX36	571.52	3534-8GMIP	251.69	3534-8GMIPM	331.93	3534-8GMIPN	2,170.31	3500-MIP1
10GX24	-	493.37	3532-10GMIP	179.07	3532-10GMIPM	331.93	3532-10GMIPN	2,170.31	3500-MIP1
-	10GX32	493.37	3534-10GMIP	173.93	3534-10GMIPM	331.93	3534-10GMIPN	2,170.31	3500-MIP1
12GX24	-	571.52	3532-12GMIP	318.30	3532-12GMIPM	342.18	3532-12GMIPN	2,170.31	3500-MIP1
1/4X20	-	571.52	3532-1/4MIP	318.30	3532-1/4MIPM	342.18	3532-1/4MIPN	2,170.31	3500-MIP1
-	1/4X28	513.13	3534-1/4MIP	189.87	3534-1/4MIPM	342.18	3534-1/4MIPN	2,170.31	3500-MIP1
5/16X18	-	571.52	3532-5/16MIP	318.30	3532-5/16MIPM	342.18	3532-5/16MIPN	2,532.06	3500-MIP2
-	5/16X24	571.52	3534-5/16MIP	318.30	3534-5/16MIPM	342.18	3534-5/16MIPN	2,532.06	3500-MIP2
3/8X16	-	571.52	3532-3/8MIP	318.30	3532-3/8MIPM	342.18	3532-3/8MIPN	2,532.06	3500-MIP2
-	3/8X24	571.52	3534-3/8MIP	318.30	3534-3/8MIPM	342.18	3534-3/8MIPN	2,532.06	3500-MIP2
7/16X14	-	847.52	3532-7/16MIP	325.02	3532-7/16MIPM	529.20	3532-7/16MIPN	2,532.06	3500-MIP2
-	7/16X20	847.52	3534-7/16MIP	325.02	3534-7/16MIPM	529.20	3534-7/16MIPN	2,532.06	3500-MIP2
1/2X13	-	847.52	3532-1/2MIP	325.02	3532-1/2MIPM	529.20	3532-1/2MIPN	2,532.06	3500-MIP2
-	1/2X20	847.52	3534-1/2MIP	325.02	3534-1/2MIPM	529.20	3534-1/2MIPN	2,532.06	3500-MIP2



Front End Assemblies (MIP) include the Mandrel (MIPM), Nozzle (MIPN), spacers to suit 1.0D, 1.5D and 2.0D inserts plus a set of shim washers for fine adjustment of installation depth.

Pneumatic Wire Thread Installation Tools and Front End Assemblies Overview

Detailed instructions are included with every Pneumatic Tool and Front End Assembly.

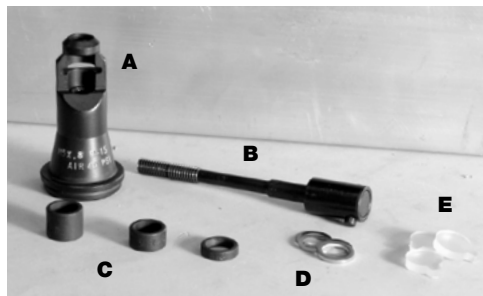
You will need

- A front-end assembly appropriate to the Wire Thread Inserts you wish to install and the applicable pneumatic tool.
- An air supply providing air pressure up to 100psi (7 bar) incorporating a filtered and lubricated air regulator. Your air supply should also incorporate an isolating switch to stop the air supply to the tool and connectors/couplings.
- PTFE tape should be wound around the threaded end of the air connector prior to screwing into air tool to ensure a good seal.
- If a tool is to be used with a work arm assembly please ensure that the instructions supplied with that equipment are read in conjunction with these instructions.

Front-end assembly

The front-end assembly is used in conjunction with the pneumatic installation tool to aid the installation of Wire Thread Inserts. The front-end assembly winds a mandrel through the insert (1.0D, 1.5D or 2.0D) and through the pre-winder nozzle. When the insert emerges from the nozzle the diameter has been reduced (pre-wound) to facilitate easy entry into the prepared and threaded hole in the parent material.

The front-end assembly consists of two main components • Nozzle • Mandrel



- A Nozzle
- B Mandrel
- C Thickness spacers
- D Shim washers
- E Cushions (for use in the adaptor of an ARO® brand pneumatic tool only)

Three different mandrel types are used depending on the size of the inserts being installed.

Check that the front-end assembly pack also contains 2 or 3 thickness spacers (to suit different length inserts) and at least 3 shim washers. Wire Thread Inserts should be installed 3/4 to 1-1/2 pitches below the surface of a countersunk hole or 1/4 to 1/2 coil below the surface of a flush hole. The Wire Thread Insert must be fully engaged with the thread in the hole throughout its length.

Separate mandrel from nozzle by rotating the mandrel anti-clockwise until the mandrel disengages. You can now assemble the correct combination of spacers and shims (if necessary) between the clutch seat and nozzle.

Identify the length of the insert to be installed and select spacers to adjust insertion depth eg: for 1.0D inserts select the longest spacer - the longer the insert the shorter the required spacer. Once the spacers and shims have been positioned on the shaft of the mandrel lubricate the mandrel thread with light machine oil and wind the mandrel through the nozzle. Locate the mandrel pin in the slot of the driving spline (inside the adaptor case) and slide the front end assembly into the case. Tighten the retaining ring (anti-clockwise) finger tight only - over tightening will restrict free movement of the mandrel, possibly resulting in damage. **The mandrel should always be wound through the nozzle so that the threaded section is fully disengaged prior to assembling the tool.**



Front end assembly with longest spacer to suit 1.0D insert.



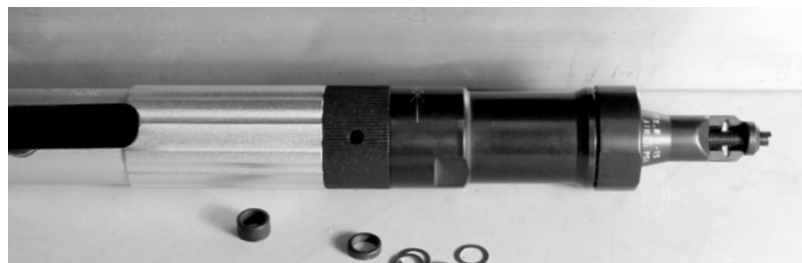
Front end assembly with longest spacer to suit 1.0D insert and shim washer.



Finished front end assembly with mandrel wound through the pre-winder nozzle.



Locate mandrel pin in the slot of the driving spline and slide the front end assembly into the case.



Ensure the front end assembly insert chamber opening is aligned with the trigger of the air motor. Final adjustments may still need to be made (using shim washers) to ensure that the inserts are installed to the optimum depth.

Recommended air pressures

Insert size – inch	#2	#3	#6	#8	#10	1/4"	5/16"	3/8"	7/16"	1/2"
Insert size – metric	M2.0-2.2	M2.5	M3.0	M3.5	M4.0-4.5	M6.0-7.0	M8.0	M10.0	M11.0	M12.0
Recommended pressure – psi	25	25-30	25-30	40	45	50-60	60	70	70-80	90
Recommended pressure – bar	1.7	1.7-2.0	1.7-2.0	2.8	3.0	3.5-4.1	4.1	4.8	4.8-5.5	6.2

Detailed usage manuals, instructions and exploded diagrams are available for download at powercoil.com.au

loksert[®]

SOLID
KEYLOCKING

 **BORDO**[®]
INDUSTRIAL TOOLS



GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	THIN WALL



METRIC – THIN WALL CARBON STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
6H	6g	MM	\$	PART #	#	MM	6H	PART #	MM
METRIC COARSE									
M5 X 0.8	M8 X 1.25	8.00	98.97	3620-5.00TWK	5	6.90	M8 X 1.25	3600-190T	8.25
M6 X 1	M10 X 1.25	10.00	131.86	3620-6.00TWK	5	8.80	M10 X 1.25	3600-250T	10.25
M8 X 1.25	M12 X 1.25	12.00	162.21	3620-8.00TWK	5	10.80	M12 X 1.25	3600-312T	12.25
M10 X 1.5	M14 X 1.5	14.00	207.23	3620-10.00TWK	5	12.80	M14 X 1.5	3600-375T	14.25
M12 X 1.75	M16 X 1.5	16.00	239.10	3620-12.00TWK	5	14.75	M16 X 1.5	3600-500T	16.25
METRIC FINE									
M8 X 1	M12 X 1.25	12.00	162.21	3621-8.00TWK	5	10.80	M12 X 1.25	3600-312T	12.25
M10 X 1.25	M14 X 1.5	14.00	207.23	3621-10.00TWK	5	12.80	M14 X 1.5	3600-375T	14.25
M12 X 1.25	M16 X 1.5	16.00	239.10	3621-12.00TWK	5	14.75	M16 X 1.5	3600-500T	16.25

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	HEAVY DUTY



METRIC – HEAVY DUTY CARBON STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
6H	6g	MM	\$	PART #	#	MM	6H	PART #	MM
METRIC COARSE									
M5 X 0.8	M10 X 1.25	10.00	125.81	3620-5.00HDK	5	8.80	M10 X 1.25	3600-190T	10.25
M6 X 1	M12 X 1.25	12.00	155.85	3620-6.00HDK	5	10.80	M12 X 1.25	3600-250T	12.25
M8 X 1.25	M14 X 1.5	14.00	191.89	3620-8.00HDK	5	12.80	M14 X 1.5	3600-312T	14.25
M10 X 1.5	M16 X 1.5	16.00	214.30	3620-10.00HDK	5	14.75	M16 X 1.5	3600-375T	16.25
M12 X 1.75	M18 X 1.5	18.00	339.19	3620-12.00HDK	5	16.75	M18 X 1.5	3600-500T	18.25
M16 X 2	M22 X 1.5	22.00	434.16	3620-16.00HDK	5	20.50	M22 X 1.5	3600-625T	22.25
METRIC FINE									
M8 X 1	M14 X 1.5	14.00	191.89	3621-8.00HDK	5	12.80	M14 X 1.5	3600-312T	14.25
M10 X 1.25	M16 X 1.5	16.00	214.30	3621-10.00HDK	5	14.75	M16 X 1.5	3600-375T	16.25
M12 X 1.25	M18 X 1.5	18.00	239.10	3621-12.00HDK	5	16.75	M18 X 1.5	3600-500T	18.25
M16 X 1.5	M22 X 1.5	22.00	466.35	3621-16.00HDK	5	20.50	M22 X 1.5	3600-625T	22.25



GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	THIN WALL

UN – THIN WALL CARBON STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
3B	2A	INCH	\$	PART #	#	INCH	2B	PART #	INCH
UNJC		UN							
10G X 24	5/16 X 18	0.312	80.92	3632-10GTWK	5	"I"	5/16 X 18	3600-190T	0.323
1/4 X 20	3/8 X 16	0.375	91.85	3632-1/4TWK	5	"Q"	3/8 X 16	3600-250T	0.385
5/16 X 18	7/16 X 14	0.437	111.53	3632-5/16TWK	5	"X"	7/16 X 14	3600-312T	0.447
3/8 X 16	1/2 X 13	0.500	127.37	3632-3/8TWK	5	29/64	1/2 X 13	3600-375T	0.510
7/16 X 14	9/16 X 12	0.562	176.18	3632-7/16TWK	5	33/64	9/16 X 12	3600-375T	0.572
1/2 X 13	5/8 X 11	0.625	204.22	3632-1/2TWK	5	37/64	5/8 X 11	3600-500T	0.635
UNJF		UN							
10G X 32	5/16 X 18	0.312	80.92	3634-10GTWK	5	"I"	5/16 X 18	3600-190T	0.323
1/4 X 28	3/8 X 16	0.375	91.85	3634-1/4TWK	5	"Q"	3/8 X 16	3600-250T	0.385
5/16 X 24	7/16 X 14	0.437	113.90	3634-5/16TWK	5	"X"	7/16 X 14	3600-312T	0.447
3/8 X 24	1/2 X 13	0.500	127.37	3634-3/8TWK	5	29/64	1/2 X 13	3600-375T	0.510
7/16 X 20	9/16 X 12	0.562	176.18	3634-7/16TWK	5	33/64	9/16 X 12	3600-375T	0.572
1/2 X 20	5/8 X 11	0.625	204.22	3634-1/2TWK	5	37/64	5/8 X 11	3600-500T	0.635

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	HEAVY DUTY


UN – HEAVY DUTY CARBON STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
3B	2A	INCH	\$	PART #	#	INCH	2B	PART #	INCH
UNJC		UN							
10G X 24	3/8 X 16	0.312	89.30	3632-10GHDK	5	"Q"	3/8 X 16	3600-190T	0.385
1/4 X 20	7/16 X 14	0.375	106.45	3632-1/4HDK	5	"X"	7/16 X 14	3600-250T	0.447
5/16 X 18	1/2 X 13	0.437	121.12	3632-5/16HDK	5	29/64	1/2 X 13	3600-312T	0.510
3/8 X 16	9/16 X 12	0.500	164.69	3632-3/8HDK	5	33/64	9/16 X 12	3600-375T	0.572
7/16 X 14	5/8 X 11	0.625	190.91	3632-7/16HDK	5	37/64	5/8 X 11	3600-375T	0.635
1/2 X 13	3/4 X 16	0.625	275.34	3632-1/2HDK	5	45/64	3/4 X 16	3600-500T	0.762
9/16 X 12	3/4 X 16	0.812	296.57	3632-9/16HDK	5	45/64	3/4 X 16	3600-500T	0.762
5/8 X 11	7/8 X 14	0.875	373.03	3632-5/8HDK	5	53/64	7/8 X 14	3600-625T	0.885
UNJF		UN							
10G X 32	3/8 X 16	0.312	89.30	3634-10GHDK	5	"Q"	3/8 X 16	3600-190T	0.385
1/4 X 28	7/16 X 14	0.375	106.45	3634-1/4HDK	5	"X"	7/16 X 14	3600-250T	0.447
5/16 X 24	1/2 X 13	0.437	121.12	3634-5/16HDK	5	29/64	1/2 X 13	3600-312T	0.510
3/8 X 24	9/16 X 12	0.500	164.69	3634-3/8HDK	5	33/64	9/16 X 12	3600-375T	0.572
7/16 X 20	5/8 X 11	0.625	190.91	3634-7/16HDK	5	37/64	5/8 X 11	3600-375T	0.635
1/2 X 20	3/4 X 16	0.625	275.34	3634-1/2HDK	5	45/64	3/4 X 16	3600-500T	0.762
9/16 X 18	3/4 X 16	0.812	296.57	3634-9/16HDK	5	45/64	3/4 X 16	3600-500T	0.762
5/8 X 18	7/8 X 14	0.875	373.03	3634-5/8HDK	5	53/64	7/8 X 14	3600-625T	0.885

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL



METRIC – THIN WALL STAINLESS STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
5H	4h	MM	\$	PART #	#	MM	6H	PART #	MM
METRIC COARSE									
M5 X 0.8	M8 X 1.25	8.00	151.74	3720-5.00TWK	5	6.90	M8 X 1.25	3600-190T	8.25
M6 X 1	M10 X 1.25	10.00	182.89	3720-6.00TWK	5	8.80	M10 X 1.25	3600-250T	10.25
M8 X 1.25	M12 X 1.25	12.00	211.13	3720-8.00TWK	5	10.80	M12 X 1.25	3600-312T	12.25
M10 X 1.5	M14 X 1.5	14.00	246.40	3720-10.00TWK	5	12.80	M14 X 1.5	3600-375T	14.25
M12 X 1.75	M16 X 1.5	16.00	270.09	3720-12.00TWK	5	14.75	M16 X 1.5	3600-500T	16.25
METRIC FINE									
M8 X 1	M12 X 1.25	12.00	211.13	3721-8.00TWK	5	10.80	M12 X 1.25	3600-312T	12.25
M10 X 1.25	M14 X 1.5	14.00	246.40	3721-10.00TWK	5	12.80	M14 X 1.5	3600-375T	14.25
M12 X 1.25	M16 X 1.5	16.00	270.09	3721-12.00TWK	5	14.75	M16 X 1.5	3600-500T	16.25

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	HEAVY DUTY



METRIC – HEAVY DUTY STAINLESS STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
5H	4h	MM	\$	PART #	#	MM	6H	PART #	MM
METRIC COARSE									
M5 X 0.8	M10 X 1.25	10.00	205.22	3720-5.00HDK	5	8.80	M10 X 1.25	3600-190T	10.25
M6 X 1	M12 X 1.25	12.00	237.02	3720-6.00HDK	5	10.80	M12 X 1.25	3600-250T	12.25
M8 X 1.25	M14 X 1.5	14.00	274.71	3720-8.00HDK	5	12.80	M14 X 1.5	3600-312T	14.25
M10 X 1.5	M16 X 1.5	16.00	291.04	3720-10.00HDK	5	14.75	M16 X 1.5	3600-375T	16.25
M12 X 1.75	M18 X 1.5	18.00	402.59	3720-12.00HDK	5	16.75	M18 X 1.5	3600-500T	18.25
M16 X 2	M22 X 1.5	22.00	531.33	3720-16.00HDK	5	20.50	M22 X 1.5	3600-625T	22.25
METRIC FINE									
M8 X 1	M14 X 1.5	14.00	274.71	3721-8.00HDK	5	12.80	M14 X 1.5	3600-312T	14.25
M10 X 1.25	M16 X 1.5	16.00	291.04	3721-10.00HDK	5	14.75	M16 X 1.5	3600-375T	16.25
M12 X 1.25	M18 X 1.5	18.00	302.49	3721-12.00HDK	5	16.75	M18 X 1.5	3600-500T	18.25
M16 X 1.5	M22 X 1.5	22.00	563.51	3721-16.00HDK	5	20.50	M22 X 1.5	3600-625T	22.25

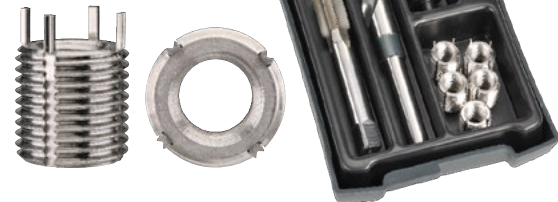


GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL

UN – THIN WALL STAINLESS STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
3B	2A	INCH	\$	PART #	#	INCH	2B	PART #	INCH
UNJC	UN								
10G X 24	5/16 X 18	0.312	99.81	3732-10GTWK	5	"I"	5/16 X 18	3600-190T	0.323
1/4 X 20	3/8 X 16	0.375	111.51	3732-1/4TWK	5	"Q"	3/8 X 16	3600-250T	0.385
5/16 X 18	7/16 X 14	0.437	159.63	3732-5/16TWK	5	"X"	7/16 X 14	3600-312T	0.447
3/8 X 16	1/2 X 13	0.500	190.91	3732-3/8TWK	5	29/64	1/2 X 13	3600-375T	0.510
7/16 X 14	9/16 X 12	0.562	277.10	3732-7/16TWK	5	33/64	9/16 X 12	3600-375T	0.572
1/2 X 13	5/8 X 11	0.625	307.00	3732-1/2TWK	5	37/64	5/8 X 11	3600-500T	0.635
UNJF	UN								
10G X 32	5/16 X 18	0.312	99.81	3734-10GTWK	5	"I"	5/16 X 18	3600-190T	0.323
1/4 X 28	3/8 X 16	0.375	111.51	3734-1/4TWK	5	"Q"	3/8 X 16	3600-250T	0.385
5/16 X 24	7/16 X 14	0.437	162.01	3734-5/16TWK	5	"X"	7/16 X 14	3600-312T	0.447
3/8 X 24	1/2 X 13	0.500	190.91	3734-3/8TWK	5	29/64	1/2 X 13	3600-375T	0.510
7/16 X 20	9/16 X 12	0.562	277.10	3734-7/16TWK	5	33/64	9/16 X 12	3600-375T	0.572
1/2 X 20	5/8 X 11	0.625	307.00	3734-1/2TWK	5	37/64	5/8 X 11	3600-500T	0.635

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	HEAVY DUTY


UN – HEAVY DUTY STAINLESS STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
3B	2A	INCH	\$	PART #	#	INCH	2B	PART #	INCH
UNJC	UN								
10G X 24	3/8 X 16	0.312	110.56	3732-10GHDK	5	"Q"	3/8 X 16	3600-190T	0.385
1/4 X 20	7/16 X 14	0.375	130.46	3732-1/4HDK	5	"X"	7/16 X 14	3600-250T	0.447
5/16 X 18	1/2 X 13	0.437	168.84	3732-5/16HDK	5	29/64	1/2 X 13	3600-312T	0.510
3/8 X 16	9/16 X 12	0.500	222.24	3732-3/8HDK	5	33/64	9/16 X 12	3600-375T	0.572
7/16 X 14	5/8 X 11	0.625	283.11	3732-7/16HDK	5	37/64	5/8 X 11	3600-375T	0.635
1/2 X 13	11/16 X 11NS	0.688	429.52	3733-1/2HDK	5	41/64	11/16 X 11NS	3600-500T	0.700
1/2 X 13	3/4 X 16	0.625	390.42	3732-1/2HDK	5	45/64	3/4 X 16	3600-500T	0.762
9/16 X 12	3/4 X 16	0.812	401.00	3732-9/16HDK	5	45/64	3/4 X 16	3600-500T	0.762
9/16 X 12	13/16 X 16	0.812	441.17	3733-9/16HDK	5	49/64	13/16 X 16	3600-500T	0.822
5/8 X 11	7/8 X 14	0.875	510.11	3732-5/8HDK	5	53/64	7/8 X 14	3600-625T	0.885
UNJF	UN								
10G X 32	3/8 X 16	0.312	110.56	3734-10GHDK	5	"Q"	3/8 X 16	3600-190T	0.385
1/4 X 28	7/16 X 14	0.375	130.46	3734-1/4HDK	5	"X"	7/16 X 14	3600-250T	0.447
5/16 X 24	1/2 X 13	0.437	168.84	3734-5/16HDK	5	29/64	1/2 X 13	3600-312T	0.510
3/8 X 24	9/16 X 12	0.500	222.24	3734-3/8HDK	5	33/64	9/16 X 12	3600-375T	0.572
7/16 X 20	5/8 X 11	0.625	283.11	3734-7/16HDK	5	37/64	5/8 X 11	3600-375T	0.635
1/2 X 20	11/16 X 11NS	0.688	429.52	3735-1/2HDK	5	41/64	11/16 X 11NS	3600-500T	0.700
1/2 X 20	3/4 X 16	0.625	390.42	3734-1/2HDK	5	45/64	3/4 X 16	3600-500T	0.762
9/16 X 18	3/4 X 16	0.812	401.00	3734-9/16HDK	5	45/64	3/4 X 16	3600-500T	0.762
9/16 X 18	13/16 X 16	0.812	441.17	3735-9/16HDK	5	49/64	13/16 X 16	3600-500T	0.822
5/8 X 18	7/8 X 14	0.875	510.11	3734-5/8HDK	5	53/64	7/8 X 14	3600-625T	0.885



GROUP	PSCI	PSSI
INSERT TYPE	SOLID KEYLOCKING	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215	STAINLESS STEEL AISI303
STYLE	THIN WALL	THIN WALL

METRIC – THIN WALL INSERTS RETAIL PACKETS

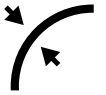
INSERT								INSTALLATION				
6H	6g	MM	#	\$	PART #	\$	PART #	MM	6H	MM	MM	PART #
METRIC COARSE												
M5 X 0.8	M8 X 1.25	8.00	5	46.16	3620-5.00TWP	98.86	3720-5.00TWP	6.90	M8 X 1.25	9.50	8.25	3600-190T
M6 X 1	M10 X 1.25	10.00	5	51.23	3620-6.00TWP	102.27	3720-6.00TWP	8.80	M10 X 1.25	11.50	10.25	3600-250T
M8 X 1.25	M12 X 1.25	12.00	5	56.40	3620-8.00TWP	105.33	3720-8.00TWP	10.80	M12 X 1.25	13.50	12.25	3600-312T
M10 X 1.5	M14 X 1.5	14.00	5	69.37	3620-10.00TWP	108.51	3720-10.00TWP	12.80	M14 X 1.5	15.50	14.25	3600-375T
M12 X 1.75	M16 X 1.5	16.00	5	89.50	3620-12.00TWP	120.53	3720-12.00TWP	14.75	M16 X 1.5	17.50	16.25	3600-500T
METRIC FINE												
M8 X 1	M12 X 1.25	12.00	5	56.40	3621-8.00TWP	105.33	3721-8.00TWP	10.80	M12 X 1.25	13.50	12.25	3600-312T
M10 X 1.25	M14 X 1.5	14.00	5	69.37	3621-10.00TWP	108.51	3721-10.00TWP	12.80	M14 X 1.5	15.50	14.25	3600-375T
M12 X 1.25	M16 X 1.5	16.00	5	89.50	3621-12.00TWP	120.53	3721-12.00TWP	14.75	M16 X 1.5	17.50	16.25	3600-500T



GROUP	PSCI	PSSI
INSERT TYPE	SOLID KEYLOCKING	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215	STAINLESS STEEL AISI303
STYLE	THIN WALL	THIN WALL

UN – THIN WALL INSERTS RETAIL PACKETS

INSERT								INSTALLATION				
3B	2A	INCH	#	\$	PART #	\$	PART #	INCH	2B	INCH	INCH	PART #
UNJC UN												
10G X 24	5/16 X 18	0.312	5	29.59	3632-10GTWP	48.50	3732-10GTWP	"I"	5/16 X 18	0.37	0.323	3600-190T
1/4 X 20	3/8 X 16	0.375	5	31.18	3632-1/4TWP	50.88	3732-1/4TWP	"Q"	3/8 X 16	0.43	0.385	3600-250T
5/16 X 18	7/16 X 14	0.437	5	35.11	3632-5/16TWP	83.21	3732-5/16TWP	"X"	7/16 X 14	0.50	0.447	3600-312T
3/8 X 16	1/2 X 13	0.500	5	38.63	3632-3/8TWP	102.09	3732-3/8TWP	29/64	1/2 X 13	0.56	0.510	3600-375T
7/16 X 14	9/16 X 12	0.562	5	50.10	3632-7/16TWP	150.99	3732-7/16TWP	33/64	9/16 X 12	0.62	0.572	3600-375T
1/2 X 13	5/8 X 11	0.625	5	57.96	3632-1/2TWP	160.80	3732-1/2TWP	37/64	5/8 X 11	0.68	0.635	3600-500T
UNJF UN												
10G X 32	5/16 X 18	0.312	5	29.59	3634-10GTWP	48.50	3734-10GTWP	"I"	5/16 X 18	0.37	0.323	3600-190T
1/4 X 28	3/8 X 16	0.375	5	31.18	3634-1/4TWP	50.88	3734-1/4TWP	"Q"	3/8 X 16	0.43	0.385	3600-250T
5/16 X 24	7/16 X 14	0.437	5	35.11	3634-5/16TWP	83.21	3734-5/16TWP	"X"	7/16 X 14	0.50	0.447	3600-312T
3/8 X 24	1/2 X 13	0.500	5	38.63	3634-3/8TWP	102.09	3734-3/8TWP	29/64	1/2 X 13	0.56	0.510	3600-375T
7/16 X 20	9/16 X 12	0.562	5	50.10	3634-7/16TWP	150.99	3734-7/16TWP	33/64	9/16 X 12	0.62	0.572	3600-375T
1/2 X 20	5/8 X 11	0.625	5	57.96	3634-1/2TWP	160.80	3734-1/2TWP	37/64	5/8 X 11	0.68	0.635	3600-500T



GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL
STYLE	THIN WALL


Loksert Features and Benefits

Solid bushing utilising locking keys provides positive mechanical lock against rotation.

High strength and reliability provides maximum pullout strength.

Installed using standard drills and taps.

Simple installation - no special skills required.

Suitable for use in a wide range of parent materials.

Impossible to cross thread during installation.

Simple removal process if required.

No tang to break and remove.

Available in metric sizes and inch sizes.

Available in Thin Wall and Heavy Duty.

MERCHANDISER					
	\$	PART #	#		PART #
LOKSERT HANG SELL MERCHANDISER	1,317.94	3600-D1	2	M6.00 X 1.00	3620-6.00TWP
			2	M8.00 X 1.25	3620-8.00TWP
			1	M10.00 X 1.50	3620-10.00TWP
			1	M12.00 X 1.75	3620-12.00TWP
			1	UNC 1/4 X 20	3632-1/4TWP
			1	UNC 5/16 X 18	3632-5/16TWP
			1	UNC 3/8 X 16	3632-3/8TWP
			1	UNC 1/2 X 13	3632-1/2TWP
			1	UNF 1/4 X 28	3634-1/4TWP
			1	UNF 3/8 X 24	3634-3/8TWP
			1	HSS DRILL 8.8mm	3620-8.8
			1	HSS DRILL 10.8mm	3620-10.8
			1	HSS DRILL 12.8mm	3620-12.8
			1	HSS DRILL 14.75mm	3620-14.75
			1	HSS DRILL Q (8.43/0.332)	3632-Q
			1	HSS DRILL X (10.0/0.397)	3632-X
			1	HSS DRILL 29/64	3632-29/64
			1	HSS DRILL 37/64	3632-37/64
			1	TAP INTER 10.00 X 1.25	3621-10.00I
			1	TAP INTER 12.00 X 1.25	3622-12.00I
			1	TAP INTER 14.00 X 1.5	3621-14.00I
			1	TAP INTER 16.00 X 1.5	3621-16.00I
			1	TAP INTER 3/8 X 16	3632-3/8I
			1	TAP INTER 7/16 X 14	3632-7/16I
			1	TAP INTER 1/2 X 13	3632-1/2I
			1	TAP INTER 5/8 X 11	3632-5/8I
			1	UNIVERSAL TOOL	3600-250T
			1	UNIVERSAL TOOL	3600-312T
			1	UNIVERSAL TOOL	3600-375T
			1	UNIVERSAL TOOL	3600-500T

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	THIN WALL



METRIC – THIN WALL CARBON STEEL BULK INSERTS

INSERT				MOQ AND QUANTITY PRICE BREAKS						
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6H	6g	MM	PART #	1	2	3	4	6	100	500
METRIC COARSE										
M5 X 0.8	M8 X 1.25	8.00	3620-5.00TW				9.234	7.385	6.648	6.307
M6 X 1	M10 X 1.25	10.00	3620-6.00TW				10.244	8.201	7.374	7.011
M8 X 1.25	M12 X 1.25	12.00	3620-8.00TW				11.276	9.029	8.122	7.714
M10 X 1.5	M14 X 1.5	14.00	3620-10.00TW				13.874	11.095	9.982	9.495
M12 X 1.75	M16 X 1.5	16.00	3620-12.00TW				17.900	14.316	12.886	12.240
METRIC FINE										
M8 X 1	M12 X 1.25	12.00	3621-8.00TW				11.276	9.029	8.122	7.714
M10 X 1.25	M14 X 1.5	14.00	3621-10.00TW				13.874	11.095	9.982	9.495
M12 X 1.25	M16 X 1.5	16.00	3621-12.00TW				17.900	14.316	12.886	12.240

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	THIN WALL



UN – THIN WALL CARBON STEEL BULK INSERTS

INSERT				MOQ AND QUANTITY PRICE BREAKS						
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	1	2	3	4	6	100	500
UNJC UN										
10G X 24	5/16 X 18	0.312	3632-10GTW				5.921	4.730	4.265	4.050
1/4 X 20	3/8 X 16	0.375	3632-1/4TW				6.240	4.980	4.493	4.265
5/16 X 18	7/16 X 14	0.437	3632-5/16TW				7.022	5.616	5.059	4.799
3/8 X 16	1/2 X 13	0.500	3632-3/8TW				7.724	6.182	5.559	5.286
7/16 X 14	9/16 X 12	0.562	3632-7/16TW				10.016	8.009	7.214	6.852
1/2 X 13	5/8 X 11	0.625	3632-1/2TW				11.593	9.279	8.348	7.930
UNJF UN										
10G X 32	5/16 X 18	0.312	3634-10GTW				5.921	4.730	4.265	4.050
1/4 X 28	3/8 X 16	0.375	3634-1/4TW				6.240	4.980	4.493	4.265
5/16 X 24	7/16 X 14	0.437	3634-5/16TW				7.022	5.616	5.059	4.799
3/8 X 24	1/2 X 13	0.500	3634-3/8TW				7.724	6.182	5.559	5.286
7/16 X 20	9/16 X 12	0.562	3634-7/16TW				10.016	8.009	7.214	6.852
1/2 X 20	5/8 X 11	0.625	3634-1/2TW				11.593	9.279	8.348	7.930

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	HEAVY DUTY


METRIC – HEAVY DUTY CARBON STEEL BULK INSERTS

INSERT				MOQ AND QUANTITY PRICE BREAKS							
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
6H	6g	MM	PART #	1	2	3	4	6	100	500	
METRIC COARSE											
M4 X 0.7	M8 X 1.25	8.00	3620-4.00HD					18.285	14.633	13.171	12.512
M5 X 0.8	M10 X 1.25	10.00	3620-5.00HD					9.234	7.385	6.648	6.307
M6 X 1	M12 X 1.25	12.00	3620-6.00HD					10.244	8.201	7.374	7.011
M8 X 1.25	M14 X 1.5	14.00	3620-8.00HD					11.276	9.029	8.122	7.714
M10 X 1.5	M16 X 1.5	16.00	3620-10.00HD					13.874	11.095	9.982	9.495
M12 X 1.75	M18 X 1.5	18.00	3620-12.00HD					17.900	14.316	12.886	12.240
M14 X 2	M20 X 1.5	20.00	3620-14.00HD			21.599	21.599	17.276	15.552	14.770	
M16 X 2	M22 X 1.5	22.00	3620-16.00HD			25.626	20.498	18.445	17.526	17.526	
M20 X 2.5	M30 X 2	30.00	3620-20.00HD		44.774	44.774	35.812	35.812	35.812	35.812	
M24 X 3	M33 X 2	33.00	3620-24.00HD	72.520	72.520	72.520	58.011	58.011	58.011	58.011	
METRIC FINE											
M8 X 1	M14 X 1.5	14.00	3621-8.00HD					11.276	9.029	8.122	7.714
M10 X 1.25	M16 X 1.5	16.00	3621-10.00HD					13.874	11.095	9.982	9.495
M12 X 1.25	M18 X 1.5	18.00	3621-12.00HD					17.900	14.316	12.886	12.240
M14 X 1.5	M20 X 1.5	20.00	3621-14.00HD			21.599	21.599	17.276	15.552	14.770	
M16 X 1.5	M22 X 1.5	22.00	3621-16.00HD			25.626	20.498	18.445	17.526	17.526	
M18 X 1.5	M24 X 1.5	24.00	3621-18.00HD		38.240	38.240	38.240	30.594	27.531	26.159	
M20 X 1.5	M30 X 2	30.00	3621-20.00HD		44.774	44.774	35.812	35.812	35.812	35.812	
M22 X 1.5	M32 X 2	32.00	3621-22.00HD	54.075	54.075	54.075	43.254	43.254	43.254	43.254	
M24 X 2	M33 X 2	33.00	3621-24.00HD	72.520	72.520	72.520	58.011	58.011	58.011	58.011	

UN – HEAVY DUTY CARBON STEEL BULK INSERTS

INSERT				MOQ AND QUANTITY PRICE BREAKS							
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
3B	2A	INCH	PART #	1	2	3	4	6	100	500	
UNJC UN											
8G X 32	5/16 X 18	0.312	3632-8GHD					9.858	7.884	7.102	6.738
10G X 24	3/8 X 16	0.312	3632-10GHD					5.921	4.730	4.265	4.050
1/4 X 20	7/16 X 14	0.375	3632-1/4HD					6.240	4.980	4.493	4.265
5/16 X 18	1/2 X 13	0.437	3632-5/16HD					6.931	5.547	4.992	4.741
3/8 X 16	9/16 X 12	0.500	3632-3/8HD					7.724	6.182	5.559	5.286
7/16 X 14	5/8 X 11	0.625	3632-7/16HD					9.858	7.884	7.102	6.738
1/2 X 13	3/4 X 16	0.625	3632-1/2HD					11.593	9.279	8.348	7.930
9/16 X 12	3/4 X 16	0.812	3632-9/16HD			15.848	15.848	12.682	11.412	10.844	
5/8 X 11	7/8 X 14	0.875	3632-5/8HD			18.684	18.684	14.951	13.453	12.785	
3/4 X 10	1-1/8 X 12	1.125	3632-3/4HD		26.646	26.646	26.646	21.315	19.182	18.219	
7/8 X 9	1-1/4 X 12	1.250	3632-7/8HD		34.837	34.837	34.837	27.872	25.081	23.833	
1 X 8	1-3/8 X 12	1.375	3632-1HD	70.626	70.626	70.626	70.626	56.502	50.854	48.302	
1-1/8 X 7	1-1/2 X 12	1.620	3632-1.1/8HD	170.258	170.258	170.258	170.258	136.204	136.204	136.204	
1-1/4 X 7	1-5/8 X 12	1.810	3632-1.1/4HD	209.121	209.121	209.121	209.121	167.296	167.296	167.296	
1-1/2 X 6	1-7/8 X 12	2.000	3632-1.1/2HD	402.621	402.621	402.621	402.621	402.621	402.621	402.621	
UNJF UN											
10G X 32	3/8 X 16	0.312	3634-10GHD					5.921	4.730	4.265	4.050
1/4 X 28	7/16 X 14	0.375	3634-1/4HD					6.240	4.980	4.493	4.265
5/16 X 24	1/2 X 13	0.437	3634-5/16HD					6.931	5.547	4.992	4.741
3/8 X 24	9/16 X 12	0.500	3634-3/8HD					7.724	6.182	5.559	5.286
7/16 X 20	5/8 X 11	0.625	3634-7/16HD					9.858	7.884	7.102	6.738
1/2 X 20	3/4 X 16	0.625	3634-1/2HD					11.593	9.279	8.348	7.930
9/16 X 18	3/4 X 16	0.812	3634-9/16HD			15.848	15.848	12.682	11.412	10.844	
5/8 X 18	7/8 X 14	0.875	3634-5/8HD			18.684	18.684	14.951	13.453	12.785	
3/4 X 16	1-1/8 X 12	1.125	3634-3/4HD		26.646	26.646	26.646	21.315	19.182	18.219	
7/8 X 14	1-1/4 X 12	1.250	3634-7/8HD		34.837	34.837	34.837	27.872	25.081	23.833	
1 X 12	1-3/8 X 12	1.375	3634-1HD	70.626	70.626	70.626	70.626	56.502	50.854	48.302	
1 X 14	1-3/8 X 12	1.375	3635-1HD	70.626	70.626	70.626	70.626	56.502	50.854	48.302	
1-1/8 X 12	1-1/2 X 12	1.620	3634-1.1/8HD	170.258	170.258	170.258	170.258	136.204	136.204	136.204	
1-1/4 X 12	1-5/8 X 12	1.810	3634-1.1/4HD	209.121	209.121	209.121	209.121	167.296	167.296	167.296	
1-1/2 X 12	1-7/8 X 12	2.000	3634-1.1/2HD	402.621	402.621	402.621	402.621	402.621	402.621	402.621	

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	EXTRA HEAVY DUTY



UN – EXTRA HEAVY DUTY CARBON STEEL BULK INSERTS

INSERT				MOQ AND QUANTITY PRICE BREAKS						
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	1	2	3	4	6	100	500
UNJC	UN									
6G X 32	5/16 X 18	0.310	3632-6GXHD		POA	POA	POA	POA	POA	POA
8G X 32	3/8 X 16	0.310	3632-8GXHD		POA	POA	POA	POA	POA	POA
10G X 24	7/16 X 14	0.312	3632-10GXHD		POA	POA	POA	POA	POA	POA
1/4 X 20	1/2 X 13	0.370	3632-1/4XHD		POA	POA	POA	POA	POA	POA
5/16 X 18	9/16 X 12	0.430	3632-5/16XHD		POA	POA	POA	POA	POA	POA
3/8 X 16	5/8 X 11	0.500	3632-3/8XHD		POA	POA	POA	POA	POA	POA
7/16 X 14	3/4 X 16	0.620	3632-7/16XHD		POA	POA	POA	POA	POA	POA
1/2 X 13	7/8 X 14	0.680	3632-1/2XHD		POA	POA	POA	POA	POA	POA
9/16 X 12	7/8 X 14	0.812	3632-9/16XHD		POA	POA	POA	POA	POA	POA
5/8 X 11	1 X 12	0.870	3632-5/8XHD		POA	POA	POA	POA	POA	POA
3/4 X 10	1-1/4 X 12	1.120	3632-3/4XHD		POA	POA	POA	POA	POA	POA
7/8 X 9	1-3/8 X 12	1.250	3632-7/8XHD		POA	POA	POA	POA	POA	POA
1 X 8	1-1/2 X 12	1.370	3632-1XHD		POA	POA	POA	POA	POA	POA
UNJF	UN									
10G X 32	7/16 X 14	0.312	3634-10GXHD		POA	POA	POA	POA	POA	POA
1/4 X 28	1/2 X 13	0.370	3634-1/4XHD		POA	POA	POA	POA	POA	POA
5/16 X 24	9/16 X 12	0.430	3634-5/16XHD		POA	POA	POA	POA	POA	POA
3/8 X 24	5/8 X 11	0.500	3634-3/8XHD		POA	POA	POA	POA	POA	POA
7/16 X 20	3/4 X 16	0.620	3634-7/16XHD		POA	POA	POA	POA	POA	POA
1/2 X 20	7/8 X 14	0.680	3634-1/2XHD		POA	POA	POA	POA	POA	POA
9/16 X 18	7/8 X 14	0.812	3634-9/16XHD		POA	POA	POA	POA	POA	POA
5/8 X 18	1 X 12	0.870	3634-5/8XHD		POA	POA	POA	POA	POA	POA
3/4 X 16	1-1/4 X 12	1.120	3634-3/4XHD		POA	POA	POA	POA	POA	POA
7/8 X 14	1-3/8 X 12	1.250	3634-7/8XHD		POA	POA	POA	POA	POA	POA
1 X 12	1-1/2 X 12	1.370	3634-1XHD		POA	POA	POA	POA	POA	POA



Products listed with POA pricing are not standard inventory items and lead times may apply.

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	SOLID



METRIC – SOLID CARBON STEEL BULK INSERTS			MOQ AND QUANTITY PRICE BREAKS						
INSERT									
			\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6g	MM	PART #	1	2	3	4	6	100	500
METRIC COARSE				POA	POA	POA	POA	POA	POA
M8 X 1.25	8.00	3620-8.00SOLID		POA	POA	POA	POA	POA	POA
METRIC FINE				POA	POA	POA	POA	POA	POA
M10 X 1.25	10.00	3621-10.00SOLID		POA	POA	POA	POA	POA	POA
M12 X 1.25	12.00	3621-12.00SOLID		POA	POA	POA	POA	POA	POA
M14 X 1.5	14.00	3621-14.00SOLID		POA	POA	POA	POA	POA	POA
M16 X 1.5	16.00	3621-16.00SOLID		POA	POA	POA	POA	POA	POA
M18 X 1.5	18.00	3621-18.00SOLID		POA	POA	POA	POA	POA	POA
M20 X 1.5	20.00	3621-20.00SOLID		POA	POA	POA	POA	POA	POA
M22 X 1.5	22.00	3621-22.00SOLID		POA	POA	POA	POA	POA	POA
M24 X 1.5	24.00	3621-24.00SOLID		POA	POA	POA	POA	POA	POA
M30 X 2.0	30.00	3621-30.00SOLID		POA	POA	POA	POA	POA	POA
M32 X 2.0	32.00	3621-32.00SOLID		POA	POA	POA	POA	POA	POA
M33 X 2.0	33.00	3621-33.00SOLID		POA	POA	POA	POA	POA	POA

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	CARBON STEEL C1215
STYLE	SOLID



UN – SOLID CARBON STEEL BULK INSERTS			MOQ AND QUANTITY PRICE BREAKS						
INSERT									
			\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
2A	INCH	PART #	1	2	3	4	6	100	500
UNC				POA	POA	POA	POA	POA	POA
5/16 X 18	0.310	3632-5/16SOLID		POA	POA	POA	POA	POA	POA
3/8 X 16	0.310	3632-3/8SOLID		POA	POA	POA	POA	POA	POA
7/16 X 14	0.370	3632-7/16SOLID		POA	POA	POA	POA	POA	POA
1/2 X 13	0.430	3632-1/2SOLID		POA	POA	POA	POA	POA	POA
9/16 X 12	0.500	3632-9/16SOLID		POA	POA	POA	POA	POA	POA
5/8 X 11	0.620	3632-5/8SOLID		POA	POA	POA	POA	POA	POA
UNF				POA	POA	POA	POA	POA	POA
3/4 X 16	0.680	3634-3/4SOLID		POA	POA	POA	POA	POA	POA
7/8 X 14	0.870	3634-7/8SOLID		POA	POA	POA	POA	POA	POA
1 X 12	0.870	3634-1SOLID		POA	POA	POA	POA	POA	POA
1-1/8 X 12	1.120	3634-1.1/8SOLID		POA	POA	POA	POA	POA	POA
1-1/4 X 12	1.250	3634-1.1/4SOLID		POA	POA	POA	POA	POA	POA
1-3/8 X 12	1.370	3634-1.3/8SOLID		POA	POA	POA	POA	POA	POA



Products listed with POA pricing are not standard inventory items and lead times may apply.



GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	MINIATURE



METRIC – MINIATURE STAINLESS STEEL BULK INSERTS

INSERT					MOQ AND QUANTITY PRICE BREAKS						
6H	6g	MM	PART #	MS #	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
					1	2	3	4	6	100	500
M2 X 0.4	M4 X 0.7	2.20	3720-2.00MTW			POA	POA	POA	POA	POA	POA
M2.5 X 0.45	M4.5 X 0.75	2.70	3720-2.50MTW			POA	POA	POA	POA	POA	POA
M3 X 0.5	M5 X 0.8	3.10	3720-3.00MTW			POA	POA	POA	POA	POA	POA
M4 X 0.7	M6 X 0.75	4.11	3720-4.00MTW			POA	POA	POA	POA	POA	POA

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	MINIATURE

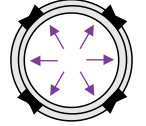
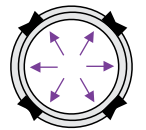


UN – MINIATURE STAINLESS STEEL BULK INSERTS

INSERT					MOQ AND QUANTITY PRICE BREAKS						
3B	2A	INCH	PART #	MS #	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
					1	2	3	4	6	100	500
2G X 56	8G X 32	0.120	3732-2GMTW	MS51830-101		POA	POA	POA	POA	POA	POA
4G X 40	10G X 32	0.170	3732-4GMTW	MS51830-102		POA	POA	POA	POA	POA	POA
6G X 32	12G X 28	0.170	3732-6GMTW	MS51830-103		POA	POA	POA	POA	POA	POA
8G X 32	1/4 X 28	0.220	3732-8GMTW	MS51830-104		POA	POA	POA	POA	POA	POA



Products listed with POA pricing are not standard inventory items and lead times may apply.


**INTERNAL
THREAD
LOCKING**

**INTERNAL
THREAD
LOCKING**

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	MINIATURE THREAD LOCKING



METRIC – MINIATURE STAINLESS STEEL INTERNAL THREAD LOCKING BULK INSERTS					MOQ AND QUANTITY PRICE BREAKS						
INTERNAL THREAD LOCKING INSERT											
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6H	6g	MM	PART #	MS #	1	2	3	4	6	100	500
METRIC	METRIC										
M2 X 0.4	M4 X 0.7	2.20	3720-2.00MTWL			POA	POA	POA	POA	POA	POA
M2.5 X 0.45	M4.5 X 0.75	2.70	3720-2.50MTWL			POA	POA	POA	POA	POA	POA
M3 X 0.5	M5 X 0.8	3.10	3720-3.00MTWL			POA	POA	POA	POA	POA	POA
M4 X 0.7	M6 X 0.75	4.11	3720-4.00MTWL			POA	POA	POA	POA	POA	POA

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	MINIATURE THREAD LOCKING



UN – MINIATURE STAINLESS STEEL INTERNAL THREAD LOCKING BULK INSERTS					MOQ AND QUANTITY PRICE BREAKS						
INTERNAL THREAD LOCKING INSERT											
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	MS #	1	2	3	4	6	100	500
UNJC	UN										
2G X 56	8G X 32	0.120	3732-2GMTWL			POA	POA	POA	POA	POA	POA
4G X 40	10G X 32	0.170	3732-4GMTWL			POA	POA	POA	POA	POA	POA
6G X 32	12G X 28	0.170	3732-6GMTWL			POA	POA	POA	POA	POA	POA
8G X 32	1/4 X 28	0.220	3732-8GMTWL			POA	POA	POA	POA	POA	POA



Products listed with POA pricing are not standard inventory items and lead times may apply.



GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL



METRIC – THIN WALL STAINLESS STEEL BULK INSERTS

INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6H	6g	MM	PART #	MS #	1	2	3	4	6	100	500
METRIC COARSE											
M5 X 0.8	M8 X 1.25	8.00	3720-5.00TW			19.771	19.771	16.812	14.293	12.864	12.864
M6 X 1	M10 X 1.25	10.00	3720-6.00TW			20.453	20.453	17.378	14.770	13.295	13.295
M8 X 1.25	M12 X 1.25	12.00	3720-8.00TW			21.066	21.066	17.912	15.224	13.703	13.703
M10 X 1.5	M14 X 1.5	14.00	3720-10.00TW			21.701	21.701	18.445	15.677	14.112	14.112
M12 X 1.75	M16 X 1.5	16.00	3720-12.00TW			24.105	24.105	20.487	17.413	15.677	15.677
METRIC FINE											
M8 X 1	M12 X 1.25	12.00	3721-8.00TW			21.066	21.066	17.912	15.224	13.703	13.703
M10 X 1.25	M14 X 1.5	14.00	3721-10.00TW			21.701	21.701	18.445	15.677	14.112	14.112
M12 X 1.25	M16 X 1.5	16.00	3721-12.00TW			24.105	24.105	20.487	17.413	15.677	15.677

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL



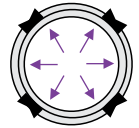
UN – THIN WALL STAINLESS STEEL BULK INSERTS

INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	MS #	1	2	3	4	6	100	500
UNJC UN											
10G X 24	5/16 X 18	0.312	3732-10GTW	MS51830-105				9.699	7.758	6.988	6.636
1/4 X 20	3/8 X 16	0.375	3732-1/4TW	MS51830-106				10.175	8.134	7.328	6.965
5/16 X 18	7/16 X 14	0.437	3732-5/16TW	MS51830-107			16.641	16.641	13.306	11.979	11.378
3/8 X 16	1/2 X 13	0.500	3732-3/8TW	MS51830-108			20.418	20.418	16.335	14.701	13.964
7/16 X 14	9/16 X 12	0.562	3732-7/16TW	MS51830-109		30.197	30.197	24.150	21.746	20.656	20.656
1/2 X 13	5/8 X 11	0.625	3732-1/2TW	MS51830-110		32.159	32.159	25.728	23.152	21.995	21.995
UNJF UN											
10G X 32	5/16 X 18	0.312	3734-10GTW	MS51830-201				9.699	7.758	6.988	6.636
1/4 X 28	3/8 X 16	0.375	3734-1/4TW	MS51830-202				10.175	8.134	7.328	6.965
5/16 X 24	7/16 X 14	0.437	3734-5/16TW	MS51830-203			16.641	16.641	13.306	11.979	11.378
3/8 X 24	1/2 X 13	0.500	3734-3/8TW	MS51830-204			20.418	20.418	16.335	14.701	13.964
7/16 X 20	9/16 X 12	0.562	3734-7/16TW	MS51830-205		30.197	30.197	24.150	21.746	20.656	20.656
1/2 X 20	5/8 X 11	0.625	3734-1/2TW	MS51830-206		32.159	32.159	25.728	23.152	21.995	21.995

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL THREAD LOCKING



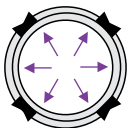
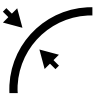
METRIC – THIN WALL STAINLESS STEEL INTERNAL THREAD LOCKING BULK INSERTS												
INTERNAL THREAD LOCKING INSERT					MOQ AND QUANTITY PRICE BREAKS							
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6H	6g	MM	PART #	MS #	1	2	3	4	6	100	500	
M5 X 0.8	M8 X 1.25	8.00	3720-5.00TWL			POA	POA	POA	POA	POA	POA	POA
M6 X 1	M10 X 1.25	10.00	3720-6.00TWL			POA	POA	POA	POA	POA	POA	POA
M8 X 1.25	M12 X 1.25	12.00	3720-8.00TWL			POA	POA	POA	POA	POA	POA	POA
M10 X 1.5	M14 X 1.5	14.00	3720-10.00TWL			POA	POA	POA	POA	POA	POA	POA
M12 X 1.75	M16 X 1.5	16.00	3720-12.00TWL			POA	POA	POA	POA	POA	POA	POA
METRIC FINE												
M8 X 1	M12 X 1.25	12.00	3721-8.00TWL			POA	POA	POA	POA	POA	POA	POA
M10 X 1.25	M14 X 1.5	14.00	3721-10.00TWL			POA	POA	POA	POA	POA	POA	POA
M12 X 1.25	M16 X 1.5	16.00	3721-12.00TWL			POA	POA	POA	POA	POA	POA	POA


INTERNAL THREAD LOCKING

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL THREAD LOCKING



UN – THIN WALL STAINLESS STEEL INTERNAL THREAD LOCKING BULK INSERTS												
INTERNAL THREAD LOCKING INSERT					MOQ AND QUANTITY PRICE BREAKS							
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	MS #	1	2	3	4	6	100	500	
10G X 24	5/16 X 18	0.310	3732-10GTWL			POA	POA	POA	POA	POA	POA	POA
1/4 X 20	3/8 X 16	0.370	3732-1/4TWL			POA	POA	POA	POA	POA	POA	POA
5/16 X 18	7/16 X 14	0.430	3732-5/16TWL			POA	POA	POA	POA	POA	POA	POA
3/8 X 16	1/2 X 13	0.500	3732-3/8TWL			POA	POA	POA	POA	POA	POA	POA
7/16 X 14	9/16 X 12	0.560	3732-7/16TWL			POA	POA	POA	POA	POA	POA	POA
1/2 X 13	5/8 X 11	0.620	3732-1/2TWL			POA	POA	POA	POA	POA	POA	POA
UNJF UN												
10G X 32	5/16 X 18	0.310	3734-10GTWL			POA	POA	POA	POA	POA	POA	POA
1/4 X 28	3/8 X 16	0.370	3734-1/4TWL			POA	POA	POA	POA	POA	POA	POA
5/16 X 24	7/16 X 14	0.430	3734-5/16TWL			POA	POA	POA	POA	POA	POA	POA
3/8 X 24	1/2 X 13	0.500	3734-3/8TWL			POA	POA	POA	POA	POA	POA	POA
7/16 X 20	9/16 X 12	0.560	3734-7/16TWL			POA	POA	POA	POA	POA	POA	POA
1/2 X 20	5/8 X 11	0.620	3734-1/2TWL			POA	POA	POA	POA	POA	POA	POA


INTERNAL THREAD LOCKING


Products listed with POA pricing are not standard inventory items and lead times may apply.



GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	HEAVY DUTY



METRIC – HEAVY DUTY STAINLESS STEEL BULK INSERTS

INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6H	6g	MM	PART #	MS #	1	2	3	4	6	100	500
METRIC COARSE											
M4 X 0.7	M8 X 1.25	8.00	3720-4.00HD			24.560	24.560	24.560	20.884	17.742	15.971
M5 X 0.8	M10 X 1.25	10.00	3720-5.00HD			25.104	25.104	25.104	21.337	18.139	16.323
M6 X 1	M12 X 1.25	12.00	3720-6.00HD			26.465	26.465	26.465	22.494	19.126	17.209
M8 X 1.25	M14 X 1.5	14.00	3720-8.00HD			27.849	27.849	27.849	23.663	20.113	18.104
M10 X 1.5	M16 X 1.5	16.00	3720-10.00HD			29.221	29.221	29.221	24.842	21.111	19.001
M12 X 1.75	M18 X 1.5	18.00	3720-12.00HD			30.583	30.583	30.583	26.000	22.098	19.885
M14 X 2	M20 X 1.5	20.00	3720-14.00HD		34.768	34.768	34.768	34.768	29.550	25.115	22.608
M16 X 2	M22 X 1.5	22.00	3720-16.00HD		45.057	45.057	45.057	45.057	38.296	32.556	29.301
M20 X 2.5	M30 X 2	30.00	3720-20.00HD		86.904	86.904	86.904	86.904	73.869	62.787	56.502
M24 X 3	M33 X 2	33.00	3720-24.00HD		93.336	93.336	93.336	93.336	79.337	67.438	60.689
METRIC FINE											
M8 X 1	M14 X 1.5	14.00	3721-8.00HD			27.849	27.849	27.849	23.663	20.113	18.104
M10 X 1.25	M16 X 1.5	16.00	3721-10.00HD			29.221	29.221	29.221	24.842	21.111	19.001
M12 X 1.25	M18 X 1.5	18.00	3721-12.00HD			30.583	30.583	30.583	26.000	22.098	19.885
M14 X 1.5	M20 X 1.5	20.00	3721-14.00HD			34.768	34.768	34.768	29.550	25.115	22.608
M16 X 1.5	M22 X 1.5	22.00	3721-16.00HD			45.057	45.057	45.057	38.296	32.556	29.301
M18 X 1.5	M24 X 1.5	24.00	3721-18.00HD			86.904	86.904	86.904	73.869	62.787	56.502
M20 X 1.5	M30 X 2	30.00	3721-20.00HD			86.904	86.904	86.904	73.869	62.787	56.502
M22 X 1.5	M32 X 2	32.00	3721-22.00HD			93.336	93.336	93.336	79.337	67.438	60.689
M24 X 2	M33 X 2	33.00	3721-24.00HD			138.348	138.348	138.348	117.600	99.961	89.967

UN – HEAVY DUTY STAINLESS STEEL BULK INSERTS

INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	MS #	1	2	3	4	6	100	500
UNJC UN											
8G X 32	5/16 X 18	0.312	3732-8GHD	–				9.234	7.385	6.648	6.307
10G X 24	3/8 X 16	0.312	3732-10GHD	MS51831-101				10.175	8.134	7.328	6.965
1/4 X 20	7/16 X 14	0.375	3732-1/4HD	MS51831-102				11.038	8.825	7.940	7.544
5/16 X 18	1/2 X 13	0.437	3732-5/16HD	MS51831-103				16.482	13.181	11.865	11.276
3/8 X 16	9/16 X 12	0.500	3732-3/8HD	MS51831-104				19.229	15.382	13.851	13.158
7/16 X 14	5/8 X 11	0.625	3732-7/16HD	MS51831-105				28.303	22.642	20.384	19.364
1/2 X 13	11/16 X 11NS	0.688	3733-1/2HD	MS51831-106				38.070	30.460	27.410	26.040
1/2 X 13	3/4 X 16	0.625	3732-1/2HD	–				34.610	27.690	24.922	23.675
9/16 X 12	3/4 X 16	0.812	3732-9/16HD	–			36.731	36.731	29.380	26.442	25.126
9/16 X 12	13/16 X 16	0.812	3733-9/16HD	MS51831-107				40.410	35.210	32.320	29.090
5/8 X 11	7/8 X 14	0.875	3732-5/8HD	MS51831-108				46.113	46.113	36.890	33.203
3/4 X 10	1-1/8 X 12	1.125	3732-3/4HD	MS51831-109		54.154	54.154	54.154	43.322	38.989	37.048
7/8 X 9	1-1/4 X 12	1.250	3732-7/8HD	MS51831-110		101.991	101.991	101.991	81.595	81.595	81.595
1 X 8	1-3/8 X 12	1.375	3732-1HD	MS51831-111	129.262	129.262	129.262	129.262	129.262	129.262	129.262
UNJF UN											
10G X 32	3/8 X 16	0.312	3734-10GHD	MS51831-201				10.175	10.175	8.134	7.328
1/4 X 28	7/16 X 14	0.375	3734-1/4HD	MS51831-202				10.175	10.175	8.134	7.328
5/16 X 24	1/2 X 13	0.437	3734-5/16HD	MS51831-203		16.482	16.482	16.482	13.181	11.865	11.276
3/8 X 24	9/16 X 12	0.500	3734-3/8HD	MS51831-204		19.229	19.229	19.229	15.382	13.851	13.158
7/16 X 20	5/8 X 11	0.625	3734-7/16HD	MS51831-205		28.303	28.303	28.303	22.642	20.384	19.364
1/2 X 20	11/16 X 11NS	0.688	3735-1/2HD	MS51831-206		38.070	38.070	38.070	30.460	27.410	26.040
1/2 X 20	3/4 X 16	0.625	3734-1/2HD	–		34.610	34.610	34.610	27.690	24.922	23.675
9/16 X 18	3/4 X 16	0.812	3734-9/16HD	–		36.731	36.731	36.731	29.380	26.442	25.126
9/16 X 18	13/16 X 16	0.812	3735-9/16HD	MS51831-207		40.410	40.410	40.410	32.320	29.090	27.640
5/8 X 18	7/8 X 14	0.875	3734-5/8HD	MS51831-208		46.113	46.113	46.113	36.890	33.203	31.546
3/4 X 16	1-1/8 X 12	1.125	3734-3/4HD	MS51831-209		54.154	54.154	54.154	43.322	38.989	37.048
7/8 X 14	1-1/4 X 12	1.250	3734-7/8HD	MS51831-210		101.991	101.991	101.991	81.595	81.595	81.595
1 X 12	1-3/8 X 12	1.375	3734-1HD	MS51831-211	129.262	129.262	129.262	129.262	129.262	129.262	129.262

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	HEAVY DUTY THREAD LOCKING


METRIC – HEAVY DUTY STAINLESS STEEL INTERNAL THREAD LOCKING BULK INSERTS

INTERNAL THREAD LOCKING INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6H	6g	MM	PART #	MS #	1	2	3	4	6	100	500
METRIC COARSE											
M4 X 0.7	M8 X 1.25	8.00	3720-4.00HDL			POA	POA	POA	POA	POA	POA
M5 X 0.8	M10 X 1.25	10.00	3720-5.00HDL			POA	POA	POA	POA	POA	POA
M6 X 1	M12 X 1.25	12.00	3720-6.00HDL			POA	POA	POA	POA	POA	POA
M8 X 1.25	M14 X 1.5	14.00	3720-8.00HDL			POA	POA	POA	POA	POA	POA
M10 X 1.5	M16 X 1.5	16.00	3720-10.00HDL			POA	POA	POA	POA	POA	POA
M12 X 1.75	M18 X 1.5	18.00	3720-12.00HDL			POA	POA	POA	POA	POA	POA
M14 X 2	M20 X 1.5	20.00	3720-14.00HDL			POA	POA	POA	POA	POA	POA
M16 X 2	M22 X 1.5	22.00	3720-16.00HDL			POA	POA	POA	POA	POA	POA
M20 X 2	M30 X 2	30.00	3720-20.00HDL			POA	POA	POA	POA	POA	POA
M24 X 3	M33 X 2	33.00	3720-24.00HDL			POA	POA	POA	POA	POA	POA
METRIC FINE											
M8 X 1	M14 X 1.5	8.00	3721-8.00HDL			POA	POA	POA	POA	POA	POA
M10 X 1.25	M16 X 1.5	16.00	3721-10.00HDL			POA	POA	POA	POA	POA	POA
M12 X 1.25	M18 X 1.5	18.00	3721-12.00HDL			POA	POA	POA	POA	POA	POA
M14 X 1.5	M20 X 1.5	20.00	3721-14.00HDL			POA	POA	POA	POA	POA	POA
M16 X 1.5	M22 X 1.5	22.00	3721-16.00HDL			POA	POA	POA	POA	POA	POA
M18 X 1.5	M24 X 1.5	24.00	3721-18.00HDL			POA	POA	POA	POA	POA	POA
M10 X 1.5	M30 X 2	30.00	3721-20.00HDL			POA	POA	POA	POA	POA	POA
M22 X 1.5	M32 X 2	32.00	3721-22.00HDL			POA	POA	POA	POA	POA	POA
M24 X 2	M33 X 2	33.00	3721-24.00HDL			POA	POA	POA	POA	POA	POA


INTERNAL THREAD LOCKING
UN – HEAVY DUTY STAINLESS STEEL INTERNAL THREAD LOCKING BULK INSERTS

INTERNAL THREAD LOCKING INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	MS #	1	2	3	4	6	100	500
UNJC UN											
8G X 32	5/16 X 18	0.310	3732-8GHDL			POA	POA	POA	POA	POA	POA
10G X 24	3/8 X 16	0.310	3732-10GHDL			POA	POA	POA	POA	POA	POA
1/4 X 20	7/16 X 14	0.370	3732-1/4HDL			POA	POA	POA	POA	POA	POA
5/16 X 18	1/2 X 13	0.430	3732-5/16HDL			POA	POA	POA	POA	POA	POA
3/8 X 16	9/16 X 12	0.500	3732-3/8HDL			POA	POA	POA	POA	POA	POA
7/16 X 14	5/8 X 11	0.620	3732-7/16HDL			POA	POA	POA	POA	POA	POA
1/2 X 13	11/16 X 11NS	0.688	3732-1/2HDL			POA	POA	POA	POA	POA	POA
9/16 X 12	13/16 X 16	0.812	3732-9/16HDL			POA	POA	POA	POA	POA	POA
5/8 X 11	7/8 X 14	0.870	3732-5/8HDL			POA	POA	POA	POA	POA	POA
3/4 X 10	1-1/8 X 12	1.120	3732-3/4HDL			POA	POA	POA	POA	POA	POA
7/8 X 9	1-1/4 X 12	1.250	3732-7/8HDL			POA	POA	POA	POA	POA	POA
1 X 8	1-3/8 X 12	1.370	3732-1HDL			POA	POA	POA	POA	POA	POA
UNJF UN											
10G X 32	3/8 X 16	0.310	3734-10GHDL			POA	POA	POA	POA	POA	POA
1/4 X 28	7/16 X 14	0.370	3734-1/4HDL			POA	POA	POA	POA	POA	POA
5/16 X 24	1/2 X 13	0.430	3734-5/16HDL			POA	POA	POA	POA	POA	POA
3/8 X 24	9/16 X 12	0.500	3734-3/8HDL			POA	POA	POA	POA	POA	POA
7/16 X 20	5/8 X 11	0.620	3734-7/16HDL			POA	POA	POA	POA	POA	POA
1/2 X 20	11/16 X 11NS	0.688	3734-1/2HDL			POA	POA	POA	POA	POA	POA
9/16 X 18	13/16 X 16	0.812	3734-9/16HDL			POA	POA	POA	POA	POA	POA
5/8 X 18	7/8 X 14	0.870	3734-5/8HDL			POA	POA	POA	POA	POA	POA
3/4 X 16	1-1/8 X 12	1.120	3734-3/4HDL			POA	POA	POA	POA	POA	POA
7/8 X 14	1-1/4 X 12	1.250	3734-7/8HDL			POA	POA	POA	POA	POA	POA
1 X 12	1-3/8 X 12	1.370	3734-1HDL			POA	POA	POA	POA	POA	POA


INTERNAL THREAD LOCKING


Products listed with POA pricing are not standard inventory items and lead times may apply.



GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	EXTRA HEAVY DUTY



UN – EXTRA HEAVY DUTY STAINLESS STEEL BULK INSERTS

INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	MS #	1	2	3	4	6	100	500
UNJC	UN										
10G X 24	7/16 X 14	0.312	3732-10GXHD	MS51832-101		POA	POA	POA	POA	POA	POA
1/4 X 20	1/2 X 13	0.375	3732-1/4XHD	MS51832-102		POA	POA	POA	POA	POA	POA
5/16 X 18	9/16 X 12	0.437	3732-5/16XHD	MS51832-103		POA	POA	POA	POA	POA	POA
3/8 X 16	5/8 X 11	0.500	3732-3/8XHD	MS51832-104		POA	POA	POA	POA	POA	POA
7/16 X 14	11/16 X 11NS	0.625	3732-7/16XHD	MS51832-105		POA	POA	POA	POA	POA	POA
1/2 X 13	13/16 X 16	0.688	3732-1/2XHD	MS51832-106		POA	POA	POA	POA	POA	POA
9/16 X 12	7/8 X 14	0.812	3732-9/16XHD	MS51832-107		POA	POA	POA	POA	POA	POA
5/8 X 11	1 X 12	0.875	3732-5/8XHD	MS51832-108		POA	POA	POA	POA	POA	POA
3/4 X 10	1-1/4 X 12	1.125	3732-3/4XHD	MS51832-109		POA	POA	POA	POA	POA	POA
7/8 X 9	1-3/8 X 12	1.250	3732-7/8XHD	MS51832-110		POA	POA	POA	POA	POA	POA
1 X 8	1-1/2 X 12	1.375	3732-1XHD	MS51832-111		POA	POA	POA	POA	POA	POA
UNJF	UN										
10G X 32	7/16 X 14	0.312	3734-10GXHD	MS51832-201		POA	POA	POA	POA	POA	POA
1/4 X 28	1/2 X 13	0.375	3734-1/4XHD	MS51832-202		POA	POA	POA	POA	POA	POA
5/16 X 24	9/16 X 12	0.437	3734-5/16XHD	MS51832-203		POA	POA	POA	POA	POA	POA
3/8 X 24	5/8 X 11	0.500	3734-3/8XHD	MS51832-204		POA	POA	POA	POA	POA	POA
7/16 X 20	11/16 X 11NS	0.625	3734-7/16XHD	MS51832-205		POA	POA	POA	POA	POA	POA
1/2 X 20	13/16 X 16	0.688	3734-1/2XHD	MS51832-206		POA	POA	POA	POA	POA	POA
9/16 X 18	7/8 X 14	0.812	3734-9/16XHD	MS51832-207		POA	POA	POA	POA	POA	POA
5/8 X 18	1 X 12	0.875	3734-5/8XHD	MS51832-208		POA	POA	POA	POA	POA	POA
3/4 X 16	1-1/4 X 12	1.250	3734-3/4XHD	MS51832-209		POA	POA	POA	POA	POA	POA
7/8 X 14	1-3/8 X 12	1.250	3734-7/8XHD	MS51832-210		POA	POA	POA	POA	POA	POA
1 X 12	1-1/2 X 12	1.500	3734-1XHD	MS51832-211		POA	POA	POA	POA	POA	POA



Products listed with POA pricing are not standard inventory items and lead times may apply.

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	SOLID



INSERT			MOQ AND QUANTITY PRICE BREAKS						
6g	MM	PART #	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
METRIC COARSE			1	2	3	4	6	100	500
M8 X 1.25	8.00	3720-8.00SOLID		POA	POA	POA	POA	POA	POA
METRIC FINE									
M10 X 1.25	10.00	3721-10.00SOLID		POA	POA	POA	POA	POA	POA
M12 X 1.25	12.00	3721-12.00SOLID		POA	POA	POA	POA	POA	POA
M14 X 1.5	14.00	3721-14.00SOLID		POA	POA	POA	POA	POA	POA
M16 X 1.5	16.00	3721-16.00SOLID		POA	POA	POA	POA	POA	POA
M18 X 1.5	18.00	3721-18.00SOLID		POA	POA	POA	POA	POA	POA
M20 X 1.5	20.00	3721-20.00SOLID		POA	POA	POA	POA	POA	POA
M22 X 1.5	22.00	3721-22.00SOLID		POA	POA	POA	POA	POA	POA
M24 X 1.5	24.00	3721-24.00SOLID		POA	POA	POA	POA	POA	POA
M30 X 2.0	30.00	3721-30.00SOLID		POA	POA	POA	POA	POA	POA
M32 X 2.0	32.00	3721-32.00SOLID		POA	POA	POA	POA	POA	POA
M33 X 2.0	33.00	3721-33.00SOLID		POA	POA	POA	POA	POA	POA

GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	SOLID



INSERT			MOQ AND QUANTITY PRICE BREAKS						
2A	INCH	PART #	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
UNC			1	2	3	4	6	100	500
5/16 X 18	0.310	3732-5/16SOLID		POA	POA	POA	POA	POA	POA
3/8 X 16	0.310	3732-3/8SOLID		POA	POA	POA	POA	POA	POA
7/16 X 14	0.370	3732-7/16SOLID		POA	POA	POA	POA	POA	POA
1/2 X 13	0.430	3732-1/2SOLID		POA	POA	POA	POA	POA	POA
9/16 X 12	0.500	3732-9/16SOLID		POA	POA	POA	POA	POA	POA
5/8 X 11	0.620	3732-5/8SOLID		POA	POA	POA	POA	POA	POA
11/16 X 11NS	0.680	3732-11/16-11SOLID		POA	POA	POA	POA	POA	POA
UNF									
3/4 X 16	0.680	3734-3/4SOLID		POA	POA	POA	POA	POA	POA
13/16 X 16	0.810	3734-13/16-16SOLID		POA	POA	POA	POA	POA	POA
7/8 X 14	0.870	3734-7/8SOLID		POA	POA	POA	POA	POA	POA
1 X 12	0.870	3734-1SOLID		POA	POA	POA	POA	POA	POA
1-1/8 X 12	1.120	3734-1.1/8SOLID		POA	POA	POA	POA	POA	POA
1-1/4 X 12	1.250	3734-1.1/4SOLID		POA	POA	POA	POA	POA	POA
1-3/8 X 12	1.370	3734-1.3/8SOLID		POA	POA	POA	POA	POA	POA



Products listed with POA pricing are not standard inventory items and lead times may apply.



GROUP PSTD PSTD



METRIC – MINIATURE INSERTS

INSERT		M2 HSS DRILL			HSS TAP – INTERMEDIATE LEAD				
		MM	\$	PART #	6H	MM	MM	\$	PART #
METRIC									
M2 X 0.4	M4 X 0.7	3.40	3.18	3620-3.4	M4 X 0.7	4.00	53.00	14.32	3720-4.00I
M2.5 X 0.45	M4.5 X 0.75	3.90	3.71	3620-3.9	M4.5 X 0.75	5.00	53.00	18.65	3720-4.50I
M3 X 0.5	M5 X 0.8	4.40	4.23	3620-4.4	M5 X 0.8	5.50	58.00	15.94	3720-5.00I
M4 X 0.7	M6 X 0.75	5.50	5.77	3620-5.5	M6 X 0.75	5.50	66.00	29.17	3721-6.00I

UN – MINIATURE INSERTS

UNJC		UNC		MM	\$	PART #	2B	INCH	MM	\$	PART #
2G X 56	8G X 32	3.40	3.18	3620-3.4	8G X 32	0.140	53.00	18.65	3732-8GI		
4G X 40	10G X 32	#20	8.68	3632-20	10G X 32	0.160	58.00	16.76	3734-10GI		
6G X 32	12G X 28	4.75	4.72	3620-4.75	12G X 28	0.160	62.00	20.82	3734-12GI		
8G X 32	1/4 X 28	#1	13.14	3632-1	1/4 X 28	0.210	66.00	15.94	3734-1/4I		

GROUP PSTD PSTD



METRIC – THIN WALL INSERTS

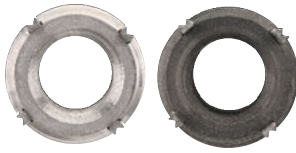
INSERT		M2 HSS DRILL			HSS TAP – INTERMEDIATE LEAD				
		MM	\$	PART #	6H	MM	MM	\$	PART #
METRIC COARSE									
M5 X 0.8	M8 X 1.25	6.90	9.66	3620-6.9	M8 X 1.25	9.50	72.00	13.61	3620-8.00I
M6 X 1	M10 X 1.25	8.80	15.51	3620-8.8	M10 X 1.25	11.50	76.00	34.62	3621-10.00I
M8 X 1.25	M12 X 1.25	10.80	34.36	3620-10.8	M12 X 1.25	13.50	84.00	39.77	3622-12.00I
M10 X 1.5	M14 X 1.5	12.80	49.96	3620-12.8	M14 X 1.5	15.50	95.00	53.87	3621-14.00I
M12 X 1.75	M16 X 1.5	14.75	52.23	3620-14.75*	M16 X 1.5	17.50	102.00	58.69	3621-16.00I
METRIC FINE									
M8 X 1	M12 X 1.25	10.80	34.36	3620-10.8	M12 X 1.25	13.50	84.00	39.77	3622-12.00I
M10 X 1.25	M14 X 1.5	12.80	49.96	3620-12.8	M14 X 1.5	15.50	95.00	53.87	3621-14.00I
M12 X 1.25	M16 X 1.5	14.75	52.23	3620-14.75*	M16 X 1.5	17.50	102.00	58.69	3621-16.00I

UN – THIN WALL INSERTS

UNJC		UN		INCH	\$	PART #	2B	INCH	MM	\$	PART #
10G X 24	5/16 X 18	"1"	8.14	3632-1	5/16 X 18	0.37	72.00	13.61	3632-5/16I		
1/4 X 20	3/8 X 16	"Q"	11.51	3632-Q	3/8 X 16	0.43	80.00	18.63	3632-3/8I		
5/16 X 18	7/16 X 14	"X"	19.67	3632-X	7/16 X 14	0.50	85.00	25.08	3632-7/16I		
3/8 X 16	1/2 X 13	29/64	27.13	3632-29/64	1/2 X 13	0.56	89.00	27.59	3632-1/2I		
7/16 X 14	9/16 X 12	33/64	52.23	3632-33/64*	9/16 X 12	0.62	95.00	39.84	3632-9/16I		
1/2 X 13	5/8 X 11	37/64	65.57	3632-37/64*	5/8 X 11	0.68	102.00	42.01	3632-5/8I		
UNJF											
10G X 32	5/16 X 18	"1"	8.14	3632-1	5/16 X 18	0.37	72.00	13.61	3632-5/16I		
1/4 X 28	3/8 X 16	"Q"	11.51	3632-Q	3/8 X 16	0.43	80.00	18.63	3632-3/8I		
5/16 X 24	7/16 X 14	"X"	19.67	3632-X	7/16 X 14	0.50	85.00	25.08	3632-7/16I		
3/8 X 24	1/2 X 13	29/64	27.13	3632-29/64	1/2 X 13	0.56	89.00	27.59	3632-1/2I		
7/16 X 20	9/16 X 12	33/64	52.23	3632-33/64*	9/16 X 12	0.62	95.00	39.84	3632-9/16I		
1/2 X 20	5/8 X 11	37/64	65.57	3632-37/64*	5/8 X 11	0.68	102.00	42.01	3632-5/8I		



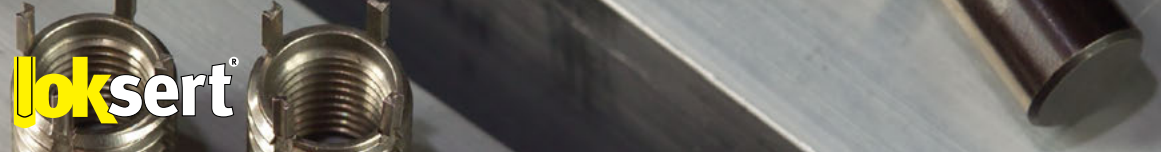
GROUP	PSTD	PSTD
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METRIC – HEAVY DUTY INSERTS

INSERT		M2 HSS DRILL			HSS TAP – INTERMEDIATE LEAD				
		MM	\$	PART #	6H	MM	MM	\$	PART #
METRIC COARSE									
M4 X 0.7	M8 X 1.25	6.90	9.66	3620-6.9	M8 X 1.25	9.50	72.00	13.61	3620-8.00I
M5 X 0.8	M10 X 1.25	8.80	15.51	3620-8.8	M10 X 1.25	12.50	76.00	34.62	3621-10.00I
M6 X 1	M12 X 1.25	10.80	34.36	3620-10.8	M12 X 1.25	14.50	84.00	39.77	3622-12.00I
M8 X 1.25	M14 X 1.5	12.80	49.96	3620-12.8	M14 X 1.5	16.50	95.00	53.87	3621-14.00I
M10 X 1.5	M16 X 1.5	14.75	52.23	3620-14.75*	M16 X 1.5	18.50	102.00	58.69	3621-16.00I
M12 X 1.75	M18 X 1.5	16.75	81.16	3620-16.75*	M18 X 1.5	20.50	104.00	129.84	3622-18.00I
M14 X 2	M20 X 1.5	18.75	83.04	3620-18.75*	M20 X 1.5	22.50	104.00	162.38	3623-20.00I
M16 X 2	M22 X 1.5	20.50	102.30	3620-20.50*	M22 X 1.5	24.50	113.00	194.54	3621-22.00I
M20 X 2.5	M30 X 2	28.00	183.87	3620-28.00*	M30 X 2	34.50	137.00	248.37	3621-30.00I
M24 X 3	M33 X 2	31.00	203.65	3620-31.00*	M33 X 2	37.50	137.00	364.23	3621-33.00I
METRIC FINE									
M8 X 1	M14 X 1.5	12.80	49.96	3620-12.8	M14 X 1.5	16.50	84.00	53.87	3621-14.00I
M10 X 1.25	M16 X 1.5	14.75	52.23	3620-14.75*	M16 X 1.5	18.50	95.00	58.69	3621-16.00I
M12 X 1.25	M18 X 1.5	16.75	81.16	3620-16.75*	M18 X 1.5	20.50	102.00	129.84	3622-18.00I
M14 X 1.5	M20 X 1.5	18.75	83.04	3620-18.75*	M20 X 1.5	22.50	104.00	162.38	3623-20.00I
M16 X 1.5	M22 X 1.5	20.50	102.30	3620-20.50*	M22 X 1.5	24.50	113.00	194.54	3621-22.00I
M18 X 1.5	M24 X 1.5	22.50	112.69	3620-22.50*	M24 X 1.5	26.50	120.00	202.27	3624-24.00I
M20 X 1.5	M30 X 2	28.00	183.87	3620-28.00*	M30 X 2	34.50	127.00	248.37	3621-30.00I
M22 X 1.5	M32 X 2	30.00	192.75	3620-30.00*	M32 X 2	36.50	137.00	364.23	3622-32.00I
M24 X 2	M33 X 2	31.00	203.65	3620-31.00*	M33 X 2	37.50	137.00	364.23	3621-33.00I

UN – HEAVY DUTY INSERTS

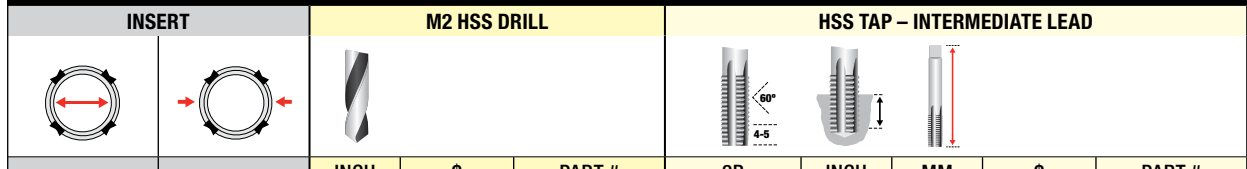
		INCH	\$	PART #	2B	INCH	MM	\$	PART #
UNJC		UN							
8G X 32	5/16 X 18	"1"	8.14	3632-I	5/16 X 18	0.37	72.00	13.61	3632-5/16I
10G X 24	3/8 X 16	"Q"	11.51	3632-Q	3/8 X 16	0.37	80.00	18.63	3632-3/8I
1/4 X 20	7/16 X 14	"X"	19.67	3632-X	7/16 X 14	0.43	85.00	25.08	3632-7/16I
5/16 X 18	1/2 X 13	29/64	27.13	3632-29/64	1/2 X 13	0.50	89.00	27.59	3632-1/2I
3/8 X 16	9/16 X 12	33/64	52.23	3632-33/64*	9/16 X 12	0.56	95.00	39.84	3632-9/16I
7/16 X 14	5/8 X 11	37/64	65.57	3632-37/64*	5/8 X 11	0.68	102.00	42.01	3632-5/8I
1/2 X 13	11/16 X 11NS	41/64	75.62	3632-41/64*	11/16 X 11NS	0.75	112.00	182.92	3632-11/16I
1/2 X 13	3/4 X 16	45/64	85.00	3632-45/64*	3/4 X 16	0.68	104.00	93.65	3632-3/4I
9/16 X 12	3/4 X 16	45/64	85.00	3632-45/64*	3/4 X 16	0.94	104.00	93.65	3632-3/4I
9/16 X 12	13/16 X 16	49/64	75.62	3632-49/64*	13/16 X 16	0.94	118.00	218.66	3632-13/16I
5/8 X 11	7/8 X 14	53/64	107.69	3632-53/64*	7/8 X 14	1.00	113.00	130.49	3632-7/8I
3/4 X 10	1-1/8 X 12	1-1/16	172.02	3632-1.1/16*	1-1/8 X 12	1.31	127.00	277.59	3632-1.1/8I
7/8 X 9	1-1/4 X 12	1-3/16	192.75	3632-1.3/16*	1-1/4 X 12	1.44	137.00	310.12	3632-1.1/4I
1 X 8	1-3/8 X 12	1-5/16	365.67	3632-1.5/16**	1-3/8 X 12	1.56	144.00	411.78	3632-1.3/8I
1-1/8 X 7	1-1/2 X 12	1-7/16	476.49	3632-1.7/16**	1-1/2 X 12	1.84	149.00	461.56	3632-1.1/2I
1-1/4 X 7	1-5/8 X 12	1-9/16	545.95	3632-1.9/16**	1-5/8 X 12	2.06	170.00	519.04	3632-1.5/8I
1-1/2 X 6	1-7/8 X 12	1-13/16	642.21	3632-1.13/16**	1-7/8 X 12	2.28	186.00	678.03	3632-1.7/8I
UNJF		UN							
10G X 32	3/8 X 16	"Q"	11.51	3632-Q	3/8 X 16	0.37	80.00	18.63	3632-3/8I
1/4 X 28	7/16 X 14	"X"	19.67	3632-X	7/16 X 14	0.43	85.00	25.08	3632-7/16I
5/16 X 24	1/2 X 13	29/64	27.13	3632-29/64	1/2 X 13	0.50	89.00	27.59	3632-1/2I
3/8 X 24	9/16 X 12	33/64	52.23	3632-33/64*	9/16 X 12	0.56	95.00	39.84	3632-9/16I
7/16 X 20	5/8 X 11	37/64	65.57	3632-37/64*	5/8 X 11	0.68	102.00	42.01	3632-5/8I
1/2 X 20	11/16 X 11NS	41/64	75.62	3632-41/64*	11/16 X 11NS	0.75	112.00	182.92	3632-11/16I
1/2 X 20	3/4 X 16	45/64	85.00	3632-45/64*	3/4 X 16	0.68	104.00	93.65	3632-3/4I
9/16 X 18	3/4 X 16	45/64	85.00	3632-45/64*	3/4 X 16	0.94	104.00	93.65	3632-3/4I
9/16 X 18	13/16 X 16	49/64	75.62	3632-49/64*	13/16 X 16	0.94	118.00	218.66	3632-13/16I
5/8 X 18	7/8 X 14	53/64	107.69	3632-53/64*	7/8 X 14	1.00	113.00	130.49	3632-7/8I
3/4 X 16	1-1/8 X 12	1-1/16	172.02	3632-1.1/16*	1-1/8 X 12	1.31	127.00	277.59	3632-1.1/8I
7/8 X 14	1-1/4 X 12	1-3/16	192.75	3632-1.3/16*	1-1/4 X 12	1.44	137.00	310.12	3632-1.1/4I
1 X 12	1-3/8 X 12	1-5/16	365.67	3632-1.5/16**	1-3/8 X 12	1.56	144.00	411.78	3632-1.3/8I
1 X 14	1-3/8 X 12	1-5/16	365.67	3632-1.5/16**	1-3/8 X 12	1.56	144.00	411.78	3632-1.3/8I
1-1/8 X 12	1-1/2 X 12	1-7/16	476.49	3632-1.7/16**	1-1/2 X 12	1.84	149.00	461.56	3632-1.1/2I
1-1/4 X 12	1-5/8 X 12	1-9/16	545.95	3632-1.9/16**	1-5/8 X 12	2.06	170.00	519.04	3632-1.5/8I
1-1/2 X 12	1-7/8 X 12	1-13/16	642.21	3632-1.13/16**	1-7/8 X 12	2.28	186.00	678.03	3632-1.7/8I



GROUP PSTD PSTD



UN – EXTRA HEAVY DUTY INSERTS



INSERT		M2 HSS DRILL			HSS TAP – INTERMEDIATE LEAD				
UNJC	UN	INCH	\$	PART #	2B	INCH	MM	\$	PART #
6G X 32	5/16 X 18	"I"	8.14	3632-I	5/16 X 18	0.37	72.00	13.61	3632-5/16I
8G X 32	3/8 X 16	"Q"	11.51	3632-Q	3/8 X 16	0.37	80.00	18.63	3632-3/8I
10G X 24	7/16 X 14	"X"	19.67	3632-X	7/16 X 14	0.37	85.00	25.08	3632-7/16I
1/4 X 20	1/2 X 13	29/64	27.13	3632-29/64	1/2 X 13	0.43	89.00	27.59	3632-1/2I
5/16 X 18	9/16 X 12	33/64	52.23	3632-33/64*	9/16 X 12	0.50	95.00	39.84	3632-9/16I
3/8 X 16	5/8 X 11	37/64	65.57	3632-37/64*	5/8 X 11	0.56	102.00	42.01	3632-5/8I
7/16 X 14	3/4 X 16	45/64	85.00	3632-45/64*	3/4 X 16	0.68	104.00	93.65	3632-3/4I
1/2 X 13	7/8 X 14	53/64	107.69	3632-53/64*	7/8 X 14	0.75	113.00	130.49	3632-7/8I
9/16 X 12	7/8 X 14	53/64	107.69	3632-53/64*	7/8 X 14	0.94	113.00	130.49	3632-7/8I
5/8 X 11	1 X 12	15/16	105.21	3632-15/16	1 X 12	1.00	120.00	125.36	3632-1I
3/4 X 10	1-1/4 X 12	1-3/16	192.75	3632-1.3/16*	1-1/4 X 12	1.31	137.00	310.12	3632-1.1/4I
7/8 X 9	1-3/8 X 12	1-5/16	365.67	3632-1.5/16**	1-3/8 X 12	1.44	144.00	411.78	3632-1.3/8I
1 X 8	1-1/2 X 12	1-7/16	476.49	3632-1.7/16**	1-1/2 X 12	1.56	149.00	461.56	3632-1.1/2I
UNJF	UN								
10G X 32	7/16 X 14	"X"	19.67	3632-X	7/16 X 14	0.37	85.00	25.08	3632-7/16I
1/4 X 28	1/2 X 13	29/64	27.13	3632-29/64	1/2 X 13	0.43	89.00	27.59	3632-1/2I
5/16 X 24	9/16 X 12	33/64	52.23	3632-33/64*	9/16 X 12	0.50	95.00	39.84	3632-9/16I
3/8 X 24	5/8 X 11	37/64	65.57	3632-37/64*	5/8 X 11	0.56	102.00	42.01	3632-5/8I
7/16 X 20	3/4 X 16	45/64	85.00	3632-45/64*	3/4 X 16	0.68	104.00	93.65	3632-3/4I
1/2 X 20	7/8 X 14	53/64	107.69	3632-53/64*	7/8 X 14	0.75	113.00	39.77	3622-12.00I
9/16 X 18	7/8 X 14	53/64	107.69	3632-53/64*	7/8 X 14	0.94	113.00	130.49	3632-7/8I
5/8 X 18	1 X 12	15/16	105.21	3632-15/16	1 X 12	1.00	120.00	125.36	3632-1I
3/4 X 16	1-1/4 X 12	1-3/16	192.75	3632-1.3/16*	1-1/4 X 12	1.31	137.00	310.12	3632-1.1/4I
7/8 X 14	1-3/8 X 12	1-5/16	365.67	3632-1.5/16**	1-3/8 X 12	1.44	144.00	411.78	3632-1.3/8I
1 X 12	1-1/2 X 12	1-7/16	476.49	3632-1.7/16**	1-1/2 X 12	1.56	149.00	461.56	3632-1.1/2I

* Supplied as Reduced Shank HSS 118° notched point drill.
 ** Supplied as Morse Taper Shank (MTS) HSS 118° notched point drill.





METRIC – SOLID INSERTS								
INSERT	M2 HSS DRILL			HSS TAP – INTERMEDIATE LEAD				
	MM	\$	PART #	6H	MM	MM	\$	PART #
METRIC COARSE								
M8 X 1.25	6.90	9.66	3620-6.9	M8 X 1.25	9.50	72.00	13.61	3620-8.00I
METRIC FINE								
M10 X 1.25	8.80	15.51	3620-8.8	M10 X 1.25	12.50	76.00	34.62	3621-10.00I
M12 X 1.25	10.80	34.36	3620-10.8	M12 X 1.25	14.50	84.00	39.77	3622-12.00I
M14 X 1.5	12.80	49.96	3620-12.8	M14 X 1.5	16.50	95.00	53.87	3621-14.00I
M16 X 1.5	14.75	52.23	3620-14.75*	M16 X 1.5	18.50	102.00	58.69	3621-16.00I
M18 X 1.5	16.75	81.16	3620-16.75*	M18 X 1.5	20.50	104.00	129.84	3622-18.00I
M20 X 1.5	18.75	83.04	3620-18.75*	M20 X 1.5	22.50	104.00	162.38	3623-20.00I
M22 X 1.5	20.50	102.30	3620-20.50*	M22 X 1.5	24.50	113.00	194.54	3621-22.00I
M24 X 1.5	22.50	112.69	3620-22.50*	M24 X 1.5	26.50	120.00	202.27	3624-24.00I
M30 X 2.0	28.00	183.87	3620-28.00*	M30 X 2.0	34.50	127.00	248.37	3621-30.00I
M32 X 2.0	30.00	192.75	3620-30.00*	M32 X 2.0	36.50	137.00	364.23	3622-32.00I
M33 X 2.0	31.00	203.65	3620-31.00*	M33 X 2.0	37.50	137.00	364.23	3621-33.00I

UN – SOLID INSERTS								
	INCH	\$	PART #	2B	INCH	MM	\$	PART #
UNC								
5/16 X 18	"1"	8.14	3632-1	5/16 X 18	0.37	72.00	13.61	3632-5/16I
3/8 X 16	"Q"	11.51	3632-Q	3/8 X 16	0.37	80.00	18.63	3632-3/8I
7/16 X 14	"X"	19.67	3632-X	7/16 X 14	0.37	85.00	25.08	3632-7/16I
1/2 X 13	29/64	27.13	3632-29/64	1/2 X 13	0.43	89.00	27.59	3632-1/2I
9/16 X 12	33/64	52.23	3632-33/64*	9/16 X 12	0.50	95.00	39.84	3632-9/16I
5/8 X 11	37/64	65.57	3632-37/64*	5/8 X 11	0.56	102.00	42.01	3632-5/8I
11/16 X 11NS	41/64	75.62	3632-41/64*	11/16 X 11NS	0.75	112.00	182.92	3632-11/16I
UNF								
3/4 X 16	45/64	85.00	3632-45/64*	3/4 X 16	0.75	104.00	93.65	3632-3/4I
13/16 X 16	49/64	75.62	3632-49/64*	13/16 X 16	0.94	118.00	218.66	3632-13/16I
7/8 X 14	53/64	107.69	3632-53/64*	7/8 X 14	1.00	113.00	130.49	3632-7/8I
1 X 12	15/16	105.21	3632-15/16	1 X 12	1.00	120.00	125.36	3632-1I
1-1/8 X 12	1-1/16	172.02	3632-1.1/16*	1-1/8 X 12	1.31	127.00	277.59	3632-1.1/8I
1-1/4 X 12	1-3/16	192.75	3632-1.3/16*	1-1/4 X 12	1.44	137.00	310.12	3632-1.1/4I
1-3/8 X 12	1-5/16	365.67	3632-1.5/16**	1-3/8 X 12	1.56	144.00	411.78	3632-1.3/8I



GROUP	PSIT	PSIT
TOOL TYPE	INSERT SPECIFIC	UNIVERSAL

MINIATURE INSERT INSTALLATION TOOLS

		\$	PART #		
METRIC	METRIC				
M2 X 0.4	M4 X 0.7	POA	3720-2.00MTWT		
M2.5 X 0.45	M4.5 X 0.75	POA	3720-2.50MTWT		
M3 X 0.5	M5 X 0.8	POA	3720-3.00MTWT		
M4 X 0.7	M6 X 0.75	POA	3720-M4.00MTWT		
UNJC	UN				
2G X 56	8G X 32	POA	3732-2GMTWT		
4G X 40	10G X 32	POA	3732-4GMTWT		
6G X 32	12G X 28	POA	3732-6GMTWT		
8G X 32	1/4 X 28	POA	3732-8GMTWT		



THIN WALL INSERT INSTALLATION TOOLS

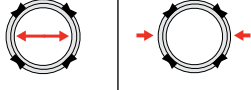
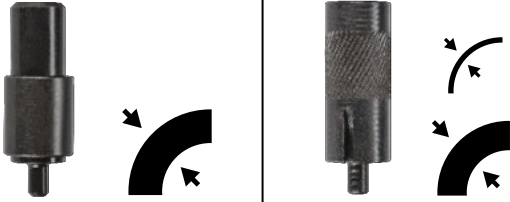
		\$	PART #	\$	PART #
METRIC COARSE					
M5 X 0.8	M8 X 1.25	49.28	3600-5.00TT	29.57	3600-190T
M6 X 1	M10 X 1.25	50.85	3600-6.00TT	30.50	3600-250T
M8 X 1.25	M12 X 1.25	52.80	3600-8.00TT	31.67	3600-312T
M10 X 1.5	M14 X 1.5	56.74	3600-10.00TT	34.05	3600-375T
M12 X 1.75	M16 X 1.5	60.92	3600-12.00TT	38.70	3600-500T
METRIC FINE					
M8 X 1	M12 X 1.25	52.80	3600-8.00TT	31.67	3600-312T
M10 X 1.25	M14 X 1.5	56.74	3600-10.00TT	34.05	3600-375T
M12 X 1.25	M16 X 1.5	60.92	3600-12.00TT	38.70	3600-500T
UNJC UN					
10G X 24	5/16 X 18	56.65	3600-10GTT	29.57	3600-190T
1/4 X 20	3/8 X 16	58.47	3600-1/4TT	30.50	3600-250T
5/16 X 18	7/16 X 14	62.21	3600-5/16TT	31.67	3600-312T
3/8 X 16	1/2 X 13	93.26	3600-3/8TT	34.05	3600-375T
7/16 X 14	9/16 X 12	93.64	3600-7/16TT	34.05	3600-375T
1/2 X 13	5/8 X 11	98.18	3600-1/2TT	38.70	3600-500T
UNJF UN					
10G X 32	5/16 X 18	56.65	3600-10GTT	29.57	3600-190T
1/4 X 28	3/8 X 16	58.47	3600-1/4TT	30.50	3600-250T
5/16 X 24	7/16 X 14	62.21	3600-5/16TT	31.67	3600-312T
3/8 X 24	1/2 X 13	93.26	3600-3/8TT	34.05	3600-375T
7/16 X 20	9/16 X 12	93.64	3600-7/16TT	34.05	3600-375T
1/2 X 20	5/8 X 11	98.18	3600-1/2TT	38.70	3600-500T



Products listed with POA pricing are not standard inventory items and lead times may apply.

GROUP	PSIT	PSIT
TOOL TYPE	INSERT SPECIFIC	UNIVERSAL


HEAVY DUTY INSERT INSTALLATION TOOLS

					
		\$	PART #	\$	PART #
METRIC COARSE					
M4 X 0.7	M8 X 1.25	48.01	3600-4.00HT		
M5 X 0.8	M10 X 1.25	49.28	3600-5.00HT	29.57	3600-190T
M6 X 1	M12 X 1.25	50.85	3600-6.00HT	30.50	3600-250T
M8 X 1.25	M14 X 1.5	52.80	3600-8.00HT	31.67	3600-312T
M10 X 1.5	M16 X 1.5	56.74	3600-10.00HT	34.05	3600-375T
M12 X 1.75	M18 X 1.5	60.92	3600-12.00HT	38.70	3600-500T
M14 X 2	M20 X 1.5	66.63	3600-14.00HT		
M16 X 2	M22 X 1.5	68.97	3600-16.00HT	41.39	3600-625T
M20 X 2.5	M30 X 2	78.83	3600-20.00HT	43.84	3600-875T
M24 X 3	M33 X 2	88.86	3600-24.00HT		
METRIC FINE					
M8 X 1	M14 X 1.5	52.80	3600-8.00HT	31.67	3600-312T
M10 X 1.25	M16 X 1.5	56.74	3600-10.00HT	34.05	3600-375T
M12 X 1.25	M18 X 1.5	60.92	3600-12.00HT	38.70	3600-500T
M14 X 1.5	M20 X 1.5	66.63	3600-14.00HT		
M16 X 1.5	M22 X 1.5	68.97	3600-16.00HT	41.39	3600-625T
M18 X 1.5	M24 X 1.5	75.24	3600-18.00HT		
M20 X 1.5	M30 X 2	78.83	3600-20.00HT	43.84	3600-875T
M22 X 1.5	M32 X 2	82.41	3600-22.00HT		
M24 X 2	M33 X 2	88.86	3600-24.00HT		

UNJC	UN				
8G X 32	5/16 X 18	85.98	3600-8GHT		
10G X 24	3/8 X 16	64.49	3600-10GHT	29.57	3600-190T
1/4 X 20	7/16 X 14	60.92	3600-1/4HT	30.50	3600-250T
5/16 X 18	1/2 X 13	63.27	3600-5/16HT	31.67	3600-312T
3/8 X 16	9/16 X 12	68.01	3600-3/8HT	34.05	3600-375T
7/16 X 14	5/8 X 11	73.02	3600-7/16HT	34.05	3600-375T
1/2 X 13	11/16 X 11NS	76.75	3600-1/2HT	38.70	3600-500T
1/2 X 13	3/4 X 16	POA	3600-1/2HT-3/4	38.70	3600-500T
9/16 X 12	3/4 X 16	POA	3600-9/16HT-3/4	38.70	3600-500T
9/16 X 12	13/16 X 16	81.23	3600-9/16HT		
5/8 X 11	7/8 X 14	85.42	3600-5/8HT	41.39	3600-625T
3/4 X 10	1-1/8 X 12	103.91	3600-3/4HT	43.84	3600-875T
7/8 X 9	1-1/4 X 12	113.43	3600-7/8HT	43.84	3600-875T
1 X 8	1-3/8 X 12	116.31	3600-1HT	53.94	3600-100T
1-1/8 X 7	1-1/2 X 12	311.12	3600-1.1/8HT		
1-1/4 X 7	1-5/8 X 12	337.07	3600-1.1/4HT		
1-1/2 X 6	1-7/8 X 12	406.64	3600-1.1/2HT		

UNJF	UN				
10G X 32	3/8 X 16	64.49	3600-10GHT	29.57	3600-190T
1/4 X 28	7/16 X 14	60.92	3600-1/4HT	30.50	3600-250T
5/16 X 24	1/2 X 13	63.27	3600-5/16HT	31.67	3600-312T
3/8 X 24	9/16 X 12	68.01	3600-3/8HT	34.05	3600-375T
7/16 X 20	5/8 X 11	73.02	3600-7/16HT	34.05	3600-375T
1/2 X 20	11/16 X 11NS	76.75	3600-1/2HT	38.70	3600-500T
1/2 X 20	3/4 X 16	POA	3600-1/2HT-3/4	38.70	3600-500T
9/16 X 18	3/4 X 16	POA	3600-9/16HT-3/4	38.70	3600-500T
9/16 X 18	13/16 X 16	81.23	3600-9/16HT		
5/8 X 18	7/8 X 14	85.42	3600-5/8HT	41.39	3600-625T
3/4 X 16	1-1/8 X 12	103.91	3600-3/4HT	43.84	3600-875T
7/8 X 14	1-1/4 X 12	113.43	3600-7/8HT	43.84	3600-875T
1 X 12	1-3/8 X 12	116.31	3600-1HT	53.94	3600-100T
1 X 14	1-3/8 X 12	116.31	3600-1HT	53.94	3600-100T
1-1/8 X 12	1-1/2 X 12	311.12	3600-1.1/8HT		
1-1/4 X 12	1-5/8 X 12	337.07	3600-1.1/4HT		
1-1/2 X 12	1-7/8 X 12	406.64	3600-1.1/2HT		

GROUP	PSIT	PSIT
TOOL TYPE	INSERT SPECIFIC	UNIVERSAL


SOLID INSERT INSTALLATION TOOLS


	\$	PART #	\$	PART #
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METRIC COARSE				
M8 X 1.25	POA	3620-8.00SOLIDT		
METRIC FINE				
M10 X 1.25	POA	3621-10.00SOLIDT		
M12 X 1.25	POA	3621-12.00SOLIDT		
M14 X 1.5	POA	3621-14.00SOLIDT		
M16 X 1.5	POA	3621-16.00SOLIDT		
M18 X 1.5	POA	3621-18.00SOLIDT		
M20 X 1.5	POA	3621-20.00SOLIDT		
M22 X 1.5	POA	3621-22.00SOLIDT		
M24 X 1.5	POA	3621-24.00SOLIDT		
M30 X 2.0	POA	3621-30.00SOLIDT		
M32 X 2.0	POA	3621-32.00SOLIDT		
M33 X 2.0	POA	3621-33.00SOLIDT		

UNC				
5/16 X 18	POA	3632-5/16SOLIDT		
3/8 X 16	POA	3632-3/8SOLIDT		
7/16 X 14	POA	3632-7/16SOLIDT		
1/2 X 13	POA	3632-1/2SOLIDT		
9/16 X 12	POA	3632-9/16SOLIDT		
5/8 X 11	POA	3632-5/8SOLIDT		
11/16 X 11NS	POA	3734-11/16SOLIDT		
UNF				
3/4 X 16	POA	3634-3/4SOLIDT		
13/16 X 16	POA	3634-13/16SOLIDT		
7/8 X 14	POA	3634-7/8SOLIDT		
1 X 12	POA	3634-1SOLIDT		
1-1/8 X 12	POA	3634-1.1/8SOLIDT		
1-1/4 X 12	POA	3634-1.1/4SOLIDT		
1-3/8 X 12	POA	3634-1.3/8SOLIDT		



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GROUP	PSIT	
TOOL TYPE	PNEUMATIC	
	\$	PART #
LOKSERT PNEUMATIC TOOL	4,680.00	3700-MIP1

GROUP	PSIT	PSIT
INSERT TYPE	THIN WALL	HEAVY DUTY

METRIC INSERT FEA PNEUMATIC INSTALLATION TOOLS

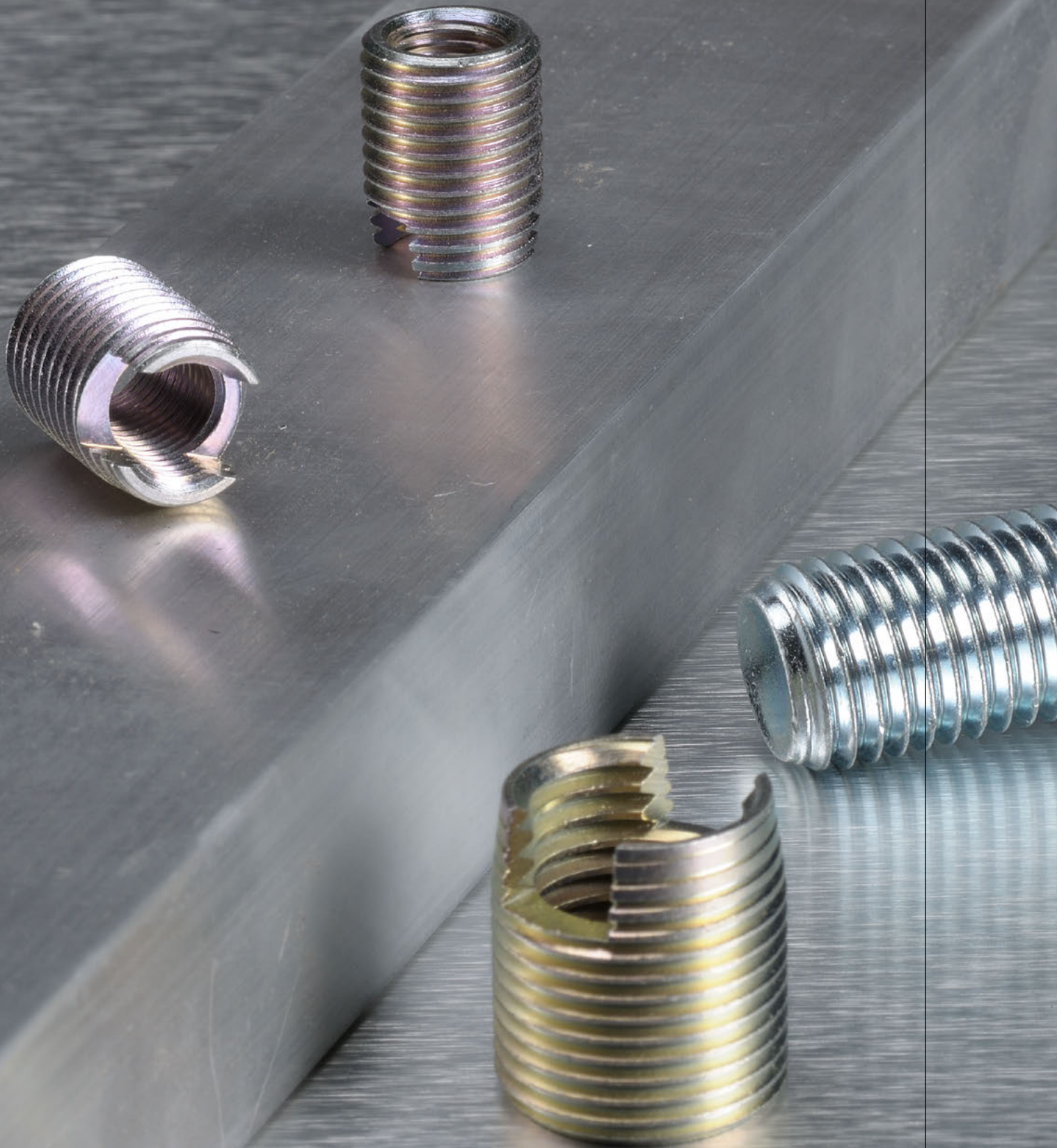
		\$	PART #	\$	PART #
THIN WALL					
M5 X 0.8	M8 X 1.25	243.76	3720-5.00TWMIP		
M6 X 1	M10 X 1.25	243.76	3720-6.00TWMIP		
M8 X 1.25	M12 X 1.25	243.76	3720-8.00TWMIP		
M10 X 1.5	M14 X 1.5	365.62	3720-10.00TWMIP		
M12 X 1.75	M16 X 1.5	365.62	3720-12.00TWMIP		
HEAVY DUTY					
M4 X 0.7	M8 X 1.25			243.76	3720-4.00HDMIP
M5 X 0.8	M10 X 1.25			243.76	3720-5.00HDMIP
M6 X 1	M12 X 1.25			243.76	3720-6.00HDMIP
M8 X 1.25	M14 X 1.5			243.76	3720-8.00HDMIP
M10 X 1.5	M16 X 1.5			365.62	3720-10.00HDMIP
M12 X 1.75	M18 X 1.5			365.62	3720-12.00HDMIP

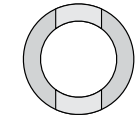
UN INSERT FEA PNEUMATIC INSTALLATION TOOLS

		\$	PART #	\$	PART #
THIN WALL					
10G X 24	5/16 X 18	243.76	3732-10GTWMIP		
10G X 32	5/16 X 18	243.76	3734-10GTWMIP		
1/4 X 20	3/8 X 16	243.76	3732-1/4TWMIP		
5/16 X 18	7/16 X 14	243.76	3732-5/16TWMIP		
3/8 X 16	1/2 X 13	365.62	3732-3/8TWMIP		
7/16 X 14	9/16 X 12	365.62	3732-7/16TWMIP		
1/2 X 13	5/8 X 11	365.62	3732-1/2TWMIP		
HEAVY DUTY					
10G X 24	3/8 X 16			243.76	3732-10GHDMIP
10G X 32	3/8 X 16			365.62	3734-10GHDMIP
1/4 X 20	7/16 X 14			243.76	3732-1/4HDMIP
5/16 X 18	1/2 X 13			243.76	3732-5/16HDMIP
3/8 X 16	9/16 X 12			365.62	3732-3/8HDMIP
7/16 X 14	5/8 X 11			365.62	3732-7/16HDMIP
1/2 X 13	3/4 X 16			365.62	3732-1/2HDMIP

tapsert 
®

 **BORDO**
INDUSTRIAL TOOLS





**MC
SPARK
UNC
UNF**

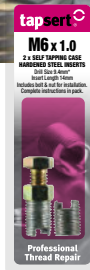
Tapserts

Tapserts are self cutting threaded inserts that feature both external and internal threads. They are driven into a pre-formed or pre-drilled retaining hole and the cutting slots (or cutting bores) effectively tap the hole as the insert is wound into the parent material.

Tapserts are ideal for use in low shear strength materials (such as alloys, plastics and castings) which require threaded seats with high load capacity and wear resistance.

Tapserts feature:

- High pull-out strength
- High loading capacity in low shear strength materials
- Wear free, vibration resistant screw joint
- Pre-cast or pre-drilled holes with standard tolerance
- No requirement for thread tapping tools
- Retains and captures chips from installation in chipping reservoirs.



GROUP	STSI
INSERT TYPE	SELF TAPPING
INSERT MATERIAL	CASE HARDENED STEEL
FINISH	YELLOW ZINC PASSIVATED

METRIC							
MM	MM	MM X MM	MM	\$	PART #	#	MM
2.50	0.45	4.50 X 0.50	6	14.58	3920-2.5X6P	2	4.3*
3.00	0.50	5.00 X 0.50	6	14.58	3920-3X6P	2	4.8*
4.00	0.70	6.50 X 0.75	8	13.27	3920-4X8P	2	6.2*
5.00	0.80	8.00 X 1.00	10	13.27	3920-5X10P	2	7.6*
6.00	1.00	10.00 X 1.50	14	13.27	3920-6X14P	2	9.4*
8.00	1.25	12.00 X 1.50	15	14.58	3920-8X15P	2	11.4*
10.00	1.50	14.00 X 1.50	18	15.92	3920-10X18P	2	13.4*
12.00	1.75	16.00 X 1.50	22	18.58	3920-12X22P	2	15.4*
14.00	2.00	18.00 X 1.50	24	19.43	3920-14X24P	2	17.4*
16.00	1.50	20.00 X 1.50	22	27.86	3921-16X22P	2	19.4*
16.00	2.00	20.00 X 1.50	22	27.86	3920-16X22P	2	19.4*

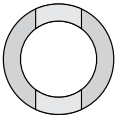
SPARK PLUG							
MM	MM	MM X MM	MM	\$	PART #	#	MM
14.00	1.25	17.70 X 1.25	9	23.21	3922-14X9P	2	17.4*
14.00	1.25	17.70 X 1.25	15	24.55	3922-14X15P	2	17.4*
14.00	1.25	17.70 X 1.25	9 & 15	24.55	3922-14CP	1 EACH	17.4*

UNC							
INCH	TPI	MM X MM	MM	\$	PART #	#	MM
4G	40	5.00 X 0.50	6	11.74	3932-4GX6P	2	4.8*
6G	32	6.00 X 0.75	8	11.74	3932-6GX8P	2	5.7*
8G	32	6.50 X 0.75	8	11.74	3932-8GX8P	2	6.2*
10G	24	8.00 X 1.00	10	11.74	3932-10GX10P	2	7.6*
1/4	20	10.00 X 1.50	14	13.27	3932-1/4X14P	2	9.4*
5/16	18	12.00 X 1.50	15	14.58	3932-5/16X15P	2	11.4*
3/8	16	14.00 X 1.50	18	15.92	3932-3/8X18P	2	13.4*
7/16	14	16.00 X 1.50	22	17.25	3932-7/16X22P	2	15.4*
1/2	13	18.00 X 1.50	22	18.58	3932-1/2X22P	2	17.4*
5/8	11	20.00 X 1.50	22	20.70	3932-5/8X22P	2	19.4*

UNF							
INCH	TPI	MM X MM	MM	\$	PART #	#	MM
10G	32	8.00 X 1.00	10	11.74	3934-10GX10P	2	7.6*
1/4	28	10.00 X 1.50	14	13.27	3934-1/4X14P	2	9.4*
5/16	24	12.00 X 1.50	15	14.58	3934-5/16X15P	2	11.4*
3/8	24	14.00 X 1.50	18	15.92	3934-3/8X18P	2	13.4*
7/16	20	16.00 X 1.50	22	17.25	3934-7/16X22P	2	15.4*
1/2	20	18.00 X 1.50	22	18.58	3934-1/2X22P	2	17.4*
5/8	18	20.00 X 1.50	22	20.70	3934-5/8X22P	2	19.4*

* Tapping drill not included in kit.

GROUP	STSI
INSERT TYPE	SELF TAPPING
INSERT MATERIAL	CASE HARDENED STEEL
FINISH	YELLOW ZINC PASSIVATED



MERCHANDISER				
	\$	PART #	#	PART #
TAPSERT HANG SELL MERCHANDISER	683.20	3900-D1	2	3920-3X6P
			2	3920-4X8P
			2	3920-5X10P
			2	3920-6X14P
			2	3920-8X15P
			2	3920-10X18P
			2	3920-12X22P
			2	3920-16X22P
			2	3921-16X22P
			2	3922-14X15P
			2	3922-14X9P
			2	3922-14CP
			2	3932-1/4X14P
			2	3932-5/16X15P
			2	3932-3/8X18P
			2	3932-7/16X22P
			2	3932-1/2X22P
			2	3934-5/16X15P
			2	3934-3/8X18P

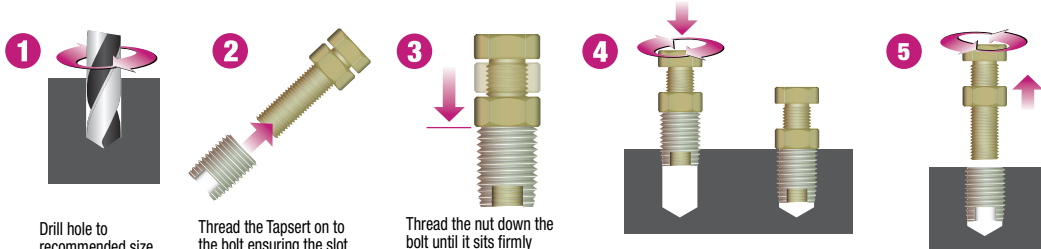
Tapserts

Tapserts are self cutting threaded inserts that feature both external and internal threads. They are driven into a pre-formed or pre-drilled retaining hole and the cutting slots (or cutting bores) effectively tap the hole as the insert is wound into the parent material. Tapserts are ideal for use in low shear strength materials (such as alloys, plastics and castings) which require threaded seats with high load capacity and wear resistance.

Tapserts feature:
 High pull-out strength
 High loading capacity in low shear strength materials
 Wear free, vibration resistant screw joint

Pre-cast or pre-drilled holes with standard tolerance
 No requirement for expensive thread tapping tools
 Retains and captures chips from installation in chipping reservoirs.

tapsert® **INSTALLATION**



1 Drill hole to recommended size as shown in the selection table.

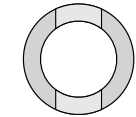
2 Thread the Tapsert on to the bolt ensuring the slot side is down. The insert should be flush with the end of the bolt.

3 Thread the nut down the bolt until it sits firmly against the top of the Tapsert.

4 To ensure the Tapsert installation is straight apply downward pressure on the assembly.
 If using an open ended wrench apply downward pressure to the bolt head whilst turning the nut to wind the Tapsert in. Alternatively if using a socket for installation apply downward pressure to the socket.
 The Tapsert is installed when the nut is flush with the top of the parent material.

5 Loosen the nut with an open ended wrench and wind the nut and bolt assembly out of the Tapsert.
 Congratulations – you have successfully created a new thread.

NOTE Tapping fluid should be used to aid installation.



**MC
SPARK
UNC
UNF**

Tapserts

Tapserts are self cutting threaded inserts that feature both external and internal threads. They are driven into a pre-formed or pre-drilled retaining hole and the cutting slots (or cutting bores) effectively tap the hole as the insert is wound into the parent material.

Tapserts are ideal for use in low shear strength materials (such as alloys, plastics and castings) which require threaded seats with high load capacity and wear resistance.

Tapserts feature:

- High pull-out strength
- High loading capacity in low shear strength materials
- Wear free, vibration resistant screw joint
- Pre-cast or pre-drilled holes with standard tolerance
- No requirement for expensive thread tapping tools
- Retains and captures chips from installation in chipping reservoirs.

GROUP	STSI	STSS
INSERT TYPE	SELF TAPPING	SELF TAPPING
INSERT MATERIAL	CASE HARDENED STEEL	STAINLESS STEEL
FINISH	YELLOW ZINC PASSIVATED	BRIGHT

METRIC COARSE								
MM	MM	MM X MM	MM	MM	\$	PART #	\$	PART #
2.50	0.45	4.50 X 0.50	6	4.3	0.54	3920-2.5X6	0.97	3920-2.5X6SS
3.00	0.50	5.00 X 0.50	6	4.8	0.53	3920-3X6	0.99	3920-3X6SS
4.00	0.70	6.50 X 0.75	8	6.2	0.73	3920-4X8	1.33	3920-4X8SS
5.00	0.80	8.00 X 1.00	10	7.6	0.96	3920-5X10	1.97	3920-5X10SS
6.00	1.00	10.00 X 1.50	14	9.4	1.34	3920-6X14	2.60	3920-6X14SS
8.00	1.25	12.00 X 1.50	15	11.4	1.78	3920-8X15	3.46	3920-8X15SS
10.00	1.50	14.00 X 1.50	18	13.4	2.50	3920-10X18	4.80	3920-10X18SS
12.00	1.75	16.00 X 1.50	22	15.4	3.66	3920-12X22	7.19	3920-12X22SS
14.00	2.00	18.00 X 1.50	24	17.4	4.31	3920-14X24	7.92	3920-14X24SS
16.00	1.50	20.00 X 1.50	22	19.4	4.86	3921-16X22		
16.00	2.00	20.00 X 1.50	22	19.4	4.86	3920-16X22	10.30	3920-16X22SS
18.00	2.50	22.00 X 1.50	24	21.4	5.66	3920-18X24	10.40	3920-18X24SS
20.00	2.50	26.00 X 1.50	27	25.4	6.65	3920-20X26	12.18	3920-20X26SS
22.00	2.50	26.00 X 1.50	30	25.4	7.59	3920-22X30	13.94	3920-22X30SS
24.00	3.00	30.00 X 1.50	30	29.4	8.72	3920-24X30	16.01	3920-24X30SS

SPARK PLUG								
MM	MM	MM X MM	MM	MM	\$	PART #	\$	PART #
14.00	1.25	17.70 X 1.25	9	17.4	3.01	3922-14X9	5.21	3922-14X9SS
14.00	1.25	17.70 X 1.25	15	17.4	4.02	3922-14X15	7.28	3922-14X15SS

UNC								
INCH	TPI	MM X MM	MM	MM	\$	PART #	\$	PART #
4G	40	5.00 X 0.50	6	4.8	0.55	3932-4GX6	1.04	3932-4GX6SS
6G	32	6.00 X 0.75	8	5.7	0.74	3932-6GX8	1.34	3932-6GX8SS
8G	32	6.50 X 0.75	8	6.2	0.96	3932-8GX8	1.78	3932-8GX8SS
10G	24	8.00 X 1.00	10	7.6	1.12	3932-10GX10	2.05	3932-10GX10SS
1/4	20	10.00 X 1.50	14	9.4	1.34	3932-1/4X14	2.60	3932-1/4X14SS
5/16	18	12.00 X 1.50	15	11.4	1.78	3932-5/16X15	3.46	3932-5/16X15SS
3/8	16	14.00 X 1.50	18	13.4	2.50	3932-3/8X18	4.95	3932-3/8X18SS
7/16	14	16.00 X 1.50	22	15.4	3.66	3932-7/16X22	7.19	3932-7/16X22SS
1/2	13	18.00 X 1.50	22	17.4	4.61	3932-1/2X22	9.60	3932-1/2X22SS
5/8	11	20.00 X 1.50	22	19.4	5.25	3932-5/8X22	9.61	3932-5/8X22SS

UNF								
INCH	TPI	MM X MM	MM	MM	\$	PART #	\$	PART #
10G	32	8.00 X 1.00	10	7.6	1.12	3934-10GX10	2.05	3934-10GX10SS
1/4	28	10.00 X 1.50	14	9.4	1.34	3934-1/4X14	2.60	3934-1/4X14SS
5/16	24	12.00 X 1.50	15	11.4	1.78	3934-5/16X15	3.46	3934-5/16X15SS
3/8	24	14.00 X 1.50	18	13.4	2.50	3934-3/8X18	4.95	3934-3/8X18SS
7/16	20	16.00 X 1.50	22	15.4	3.66	3934-7/16X22	7.19	3934-7/16X22SS
1/2	20	18.00 X 1.50	22	17.4	4.61	3934-1/2X22	9.60	3934-1/2X22SS
5/8	18	20.00 X 1.50	22	19.4	5.25	3934-5/8X22	9.61	3934-5/8X22SS

bondsert®





GROUP	EZST	EZST
INSERT TYPE	BONDSERT FOR METAL	BONDSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	THIN WALL	THIN WALL

Bondsert

Bondsert Threaded Inserts provide a stronger fastener assembly in soft materials such as aluminium, magnesium and even cast iron. They can be used for repairing stripped threads, and for use in creating stronger threads in original equipment.

External threads are manufactured with standard size and pitch to permit the use of standard drills and taps. The inserts can be installed with a screwdriver, bolt/jam nut, or power drive tool.

Bondsert inserts are vibration resistant. Immediately upon installation, micro-encapsulated adhesive begins to set, and the newly installed inserts are fastener-ready in 3-5 minutes and will not back out.

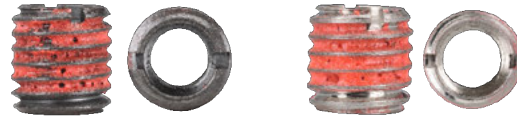
The adhesive seals against liquids and gases up to 6,000 psi when fully cured after 72 hours.

UNC / UNF SERIES

				INSERT				INCLUDED IN KIT			
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	#	DRILL	TAP	PART #
10G	24	5/16 X 18	0.312	83.62	3332-10GTWK			10	I	5/16 X 18	3300-2
10G	32	5/16 X 18	0.312	83.62	3334-10GTWK			10	I	5/16 X 18	3300-2
1/4	20	3/8 X 16	0.375	97.26	3332-1/4TWK			10	Q	3/8 X 16	3300-3
1/4	28	3/8 X 16	0.375	97.26	3334-1/4TWK			10	Q	3/8 X 16	3300-3
5/16	18	7/16 X 14	0.437	114.99	3332-5/16TWK			10	X	7/16 X 14	3300-4
5/16	24	7/16 X 14	0.437	114.99	3334-5/16TWK			10	X	7/16 X 14	3300-4
3/8	16	1/2 X 13	0.500	135.11	3332-3/8TWK			10	29/64	1/2 X 13	3300-5
3/8	24	1/2 X 13	0.500	135.11	3334-3/8TWK			10	29/64	1/2 X 13	3300-5
7/16	14	9/16 X 12	0.560	167.69	3332-7/16TWK			10	33/64	9/16 X 12	3300-6
7/16	20	9/16 X 12	0.560	167.69	3334-7/16TWK			10	33/64	9/16 X 12	3300-6
1/2	13	5/8 X 11	0.620	193.11	3332-1/2TWK			10	37/64	5/8 X 11	3300-7
1/2	20	5/8 X 11	0.620	193.11	3334-1/2TWK			10	37/64	5/8 X 11	3300-7

METRIC SERIES

				INSERT				INCLUDED IN KIT			
MM	MM	MM X MM	MM	\$	PART #	\$	PART #	#	DRILL	TAP	PART #
3.00	0.50	6.00 X 1.00	6.5	88.02	3320-3.00TWMK			10	5.1	M6 X 1.00	
4.00	0.70	8.00 X 1.25	7.5	88.02	3320-4.00TWMK			10	6.9	M8 X 1.25	3300-1
5.00	0.80	8.00 X 1.25	7.5	89.49	3320-5.00TWMK	133.39	3320-5.00TWMSSK	10	6.9	M8 X 1.25	3300-1
6.00	1.00	10.00 X 1.50	10.5	95.89	3320-6.00TWMK	149.54	3320-6.00TWMSSK	10	8.6	M10 X 1.5	3300-3
8.00	1.25	12.00 X 1.75	12.5	123.62	3320-8.00TWMK	175.13	3320-8.00TWMSSK	10	10.4	M12 X 1.75	3300-4
10.00	1.50	16.00 X 2.00	17.0	172.90	3320-10.00TWMK	256.51	3320-10.00TWMSSK	10	14.0	M16 X 2.0	3300-5
12.00	1.75	16.00 X 2.00	17.0	201.72	3320-12.00TWMK	275.56	3320-12.00TWMSSK	10	14.0	M16 X 2.0	3300-6
16.00	2.00	24.00 X 3.00	20.0	330.13	3320-16.00TWMK			5	21.0	M24 X 3.0	3300-8



GROUP	EZST	EZST
INSERT TYPE	BONDSSERT FOR METAL	BONDSSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	THIN WALL	THIN WALL

METRIC SERIES – RANGE KIT									
				INSERT				INCL.	
MM	MM	MM X MM	MM	\$	PART #	\$	PART #	#	
3.00	0.50	6.00 X 1.00	6.5	161.00	3320-WK0			10	
4.00	0.70	10.00 X 1.50	10.5					10	
5.00	0.80	12.00 X 1.75	12.5					10	
6.00	1.00	16.00 X 2.00	17.0					10	
8.00	1.25	16.00 X 2.00	17.0					10	

METRIC SERIES – RANGE KIT									
				INSERT				INCL.	
MM	MM	MM X MM	MM	\$	PART #	\$	PART #	#	
5.00	0.80	8.00 X 1.25	7.5	200.86	3320-WK2			10	
6.00	1.00	10.00 X 1.50	10.5					10	
8.00	1.25	12.00 X 1.75	12.5					10	
10.00	1.50	16.00 X 2.00	17.0					10	
12.00	1.75	16.00 X 2.00	17.0					6	

METRIC SERIES – RANGE KIT									
				INSERT				INCL.	
MM	MM	MM X MM	MM	\$	PART #	\$	PART #	#	
5.00	0.80	8.00 X 1.25	7.5			508.42	3320-SSWK1	10	
6.00	1.00	10.00 X 1.50	10.5					10	
8.00	1.25	12.00 X 1.75	12.5					10	
10.00	1.50	16.00 X 2.00	17.0					10	
12.00	1.75	16.00 X 2.00	17.0					8	

METRIC SERIES – RANGE KIT									
				INSERT				INCL.	
MM	MM	MM X MM	MM	\$	PART #	\$	PART #	#	
8.00	1.25	12.00 X 1.75	12.5	215.03	3320-WK1			10	
10.00	1.50	16.00 X 2.00	17.0					10	
12.00	1.75	16.00 X 2.00	17.0					8	
16.00	2.00	24.00 X 3.00	20.0					5	

Bondsert

Bondsert Threaded Inserts provide a stronger fastener assembly in soft materials such as aluminium, magnesium and even cast iron. They can be used for repairing stripped threads, and for use in creating stronger threads in original equipment.

External threads are manufactured with standard size and pitch to permit the use of standard drills and taps. The inserts can be installed with a screwdriver, bolt/jam nut, or power drive tool.

Bondsert inserts are vibration resistant. Immediately upon installation, micro-encapsulated adhesive begins to set, and the newly installed inserts are fastener-ready in 3-5 minutes and will not back out.

The adhesive seals against liquids and gases up to 6,000 psi when fully cured after 72 hours.



GROUP	EZST	EZST
INSERT TYPE	BONDSERT FOR METAL	BONDSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	HEAVY WALL	HEAVY WALL

Bondsert

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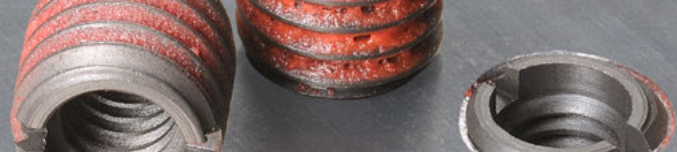
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UNC / UNF SERIES – RANGE KIT									
INSERT									
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	#	
10G	24	3/8 X 16	0.406	236.08	3332-WK0			10	
1/4	20	7/16 X 14	0.437					10	
5/16	18	1/2 X 13	0.484					10	
3/8	16	9/16 X 12	0.515					10	
7/16	14	5/8 X 11	0.656					8	

UNC / UNF SERIES – RANGE KIT									
INSERT									
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	#	
10G	24	3/8 X 16	0.406	226.56	3332-WK1	426.44	3332-SSWK1	10	
1/4	20	7/16 X 14	0.437					10	
5/16	18	1/2 X 13	0.484					10	
3/8	16	9/16 X 12	0.515					10	
1/2	13	3/4 X 10	0.656					6	

UNC / UNF SERIES – RANGE KIT									
INSERT									
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	#	
1/2	13	3/4 X 10	0.656	338.98	3332-WK2			6	
5/8	11	7/8 X 9	0.687					6	
3/4	10	1 X 8	0.781					5	
1	8	1.3/8 X 12	1.250					5	



GROUP	EZST	EZST
INSERT TYPE	BONDSSERT FOR METAL	BONDSSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	THIN WALL	THIN WALL

UNC / UNF SERIES											
INSERT								INSTALLATION			
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	DRILL INCH	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
10G	24	5/16 X 18	0.312	2.58	3332-10GTW			I	5/16 X 18	0.375	3300-2
10G	32	5/16 X 18	0.312	2.58	3334-10GTW			I	5/16 X 18	0.375	3300-2
1/4	20	3/8 X 16	0.375	3.05	3332-1/4TW			Q	3/8 X 16	0.437	3300-3
1/4	28	3/8 X 16	0.375	3.05	3334-1/4TW			Q	3/8 X 16	0.437	3300-3
5/16	18	7/16 X 14	0.437	3.32	3332-5/16TW			X	7/16 X 14	0.500	3300-4
3/8	16	1/2 X 13	0.500	5.31	3332-3/8TW			29/64	1/2 X 13	0.560	3300-5
1/2	13	5/8 X 11	0.620	6.62	3332-1/2TW			37/64	5/8 X 11	0.680	3300-7

METRIC SERIES											
INSERT								INSTALLATION			
MM	MM	MM X MM	MM	\$	PART #	\$	PART #	DRILL MM	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
3.00	0.50	6.00 X 1.00	6.5	3.11	3320-3.00TWM			5.1	M6 X 1.0	7.8	
4.00	0.70	8.00 X 1.25	7.5	2.84	3320-4.00TWM			6.9	M8 X 1.25	9.0	3300-1
5.00	0.80	8.00 X 1.25	7.5	3.00	3320-5.00TWM	7.38	3320-5.00TWMSS	6.9	M8 X 1.25	9.0	3300-2
6.00	1.00	10.00 X 1.50	10.5	3.14	3320-6.00TWM	8.51	3320-6.00TWMSS	8.6	M10 X 1.5	12.0	3300-3
8.00	1.25	12.00 X 1.75	12.5	4.01	3320-8.00TWM	9.16	3320-8.00TWMSS	10.4	M12 X 1.75	14.5	3300-4
10.00	1.50	16.00 X 2.00	17.0	5.13	3320-10.00TWM	13.48	3320-10.00TWMSS	14.0	M16 X 2.0	19.0	3300-5
12.00	1.75	16.00 X 2.00	17.0	8.01	3320-12.00TWM	15.39	3320-12.00TWMSS	14.0	M16 X 2.0	19.0	3300-6
16.00	2.00	24.00 X 3.00	20.0	11.91	3320-16.00TWM			21.0	M24 X 3.0	24.0	3300-8

Bondsert

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The inserts can be installed with a screwdriver, bolt/jam nut, or power drive tool.

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GROUP	EZST	EZST
INSERT TYPE	BONDSERT FOR METAL	BONDSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	HEAVY WALL	HEAVY WALL

Bondsert

Bondsert Threaded Inserts provide a stronger fastener assembly in soft materials such as aluminium, magnesium and even cast iron. They can be used for repairing stripped threads, and for use in creating stronger threads in original equipment.

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UNC / UNF SERIES											
INSERT								INSTALLATION			
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	DRILL INCH	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
6G	32	1/4 X 20	0.280	2.39	3332-6GHW			#7	1/4 X 20	0.344	3300-006
8G	32	5/16 X 18	0.290	2.59	3332-8GHW			F	5/16 X 18	0.438	3300-1
10G	24	3/8 X 16	0.406	3.26	3332-10GHW	7.60	3332-10GHWSS	5/16	3/8 X 16	0.469	3300-2
10G	32	3/8 X 16	0.406	3.26	3334-10GHW	7.60	3334-10GHWSS	5/16	3/8 X 16	0.469	3300-2
1/4	20	7/16 X 14	0.437	3.49	3332-1/4HW	8.07	3332-1/4HWSS	23/64	7/16 X 14	0.500	3300-3
1/4	28	7/16 X 14	0.437	3.49	3334-1/4HW			23/64	7/16 X 14	0.500	3300-3
5/16	18	1/2 X 13	0.484	4.96	3332-5/16HW	8.38	3332-5/16HWSS	27/64	1/2 X 13	0.563	3300-4
3/8	16	9/16 X 12	0.515	5.81	3332-3/8HW	9.45	3332-3/8HWSS	31/64	9/16 X 12	0.594	3300-5
7/16	14	5/8 X 11	0.656	7.61	3332-7/16HW			17/32	5/8 X 11	0.719	3300-6
1/2	13	3/4 X 10	0.656	8.56	3332-1/2HW	15.24	3332-1/2HWSS	21/32	3/4 X 10	0.750	3300-7
1/2	13	3/4 X 10	1.000	12.05	3332-1/2X1HW			21/32	3/4 X 10	1.125	3300-7
5/8	11	7/8 X 9	0.687	11.97	3332-5/8HW			49/64	7/8 X 9	0.813	3300-8
5/8	11	7/8 X 9	1.125	13.21	3332-5/8X1.125HW			49/64	7/8 X 9	1.250	3300-8
3/4	10	1 X 8	0.781	15.20	3332-3/4HW			7/8	1 X 8	0.875	3300-9
1	8	1.3/8 X 12	1.250	27.96	3332-1HW			1-9/32	1.3/8 X 12	1.375	



GROUP	EZST	EZST
INSERT TYPE	BONDSERT FOR METAL	BONDSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	HEAVY WALL	HEAVY WALL

METRIC INTERNAL UNC EXTERNAL SERIES											
INSERT								INSTALLATION			
MM	MM	INCH X TPI	INCH	\$	PART #	\$	PART #	DRILL INCH	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
6.00	1.00	3/8 X 16	0.406	3.53	3320-6.00HWF			5/16	3/8 X 16	0.469	3300-3
8.00	1.25	1/2 X 13	0.484	4.34	3320-8.00HWF			27/64	1/2 X 13	0.563	3300-4
10.00	1.50	9/16 X 12	0.515	4.96	3320-10.00HWF			31/64	9/16 X 12	0.594	3300-5
10.00	1.25	9/16 X 12	0.515	5.54	3321-10.00HWF			31/64	9/16 X 12	0.594	3300-5
12.00	1.75	3/4 X 10	0.656	6.38	3320-12.00HWF			21/32	3/4 X 10	0.750	3300-6
16.00	2.00	1 X 8	0.781	12.76	3320-16.00HWF			7/8	1 X 8	0.875	3300-8



GROUP	EZST	EZST
INSERT TYPE	BONDSERT FOR METAL	BONDSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	EXTRA HEAVY WALL	EXTRA HEAVY WALL

UNC SERIES											
INSERT							INSTALLATION				
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	DRILL INCH	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
1/4	20	1/2 X 13	0.484	4.27	3332-1/4XHW			27/64	1/2 X 13	0.563	3300-3
5/16	18	9/16 X 12	0.515	5.71	3332-5/16XHW			31/64	9/16 X 12	0.594	3300-4
3/8	16	5/8 X 11	0.656	7.05	3332-3/8XHW			17/32	5/8 X 11	0.719	3300-5
1/2	13	7/8 X 9	0.687	12.05	3332-1/2XHW			49/64	7/8 X 9	0.813	

Bondsert

Bondsert Threaded Inserts provide a stronger fastener assembly in soft materials such as aluminium, magnesium and even cast iron. They can be used for repairing stripped threads, and for use in creating stronger threads in original equipment.

External threads are manufactured with standard size and pitch to permit the use of standard drills and taps. The inserts can be installed with a screwdriver, bolt/jam nut, or power drive tool.

Bondsert inserts are vibration resistant. Immediately upon installation, micro-encapsulated adhesive begins to set, and the newly installed inserts are fastener-ready in 3-5 minutes and will not back out.

The adhesive seals against liquids and gases up to 6,000 psi when fully cured after 72 hours.



GROUP	EZST
TOOL TYPE	HEX SHANK

	\$	PART #
BONDSERT # 1 INSTALL TOOL	31.37	3300-1
BONDSERT # 2 INSTALL TOOL	31.37	3300-2
BONDSERT # 3 INSTALL TOOL	31.37	3300-3
BONDSERT # 4 INSTALL TOOL	31.37	3300-4
BONDSERT # 5 INSTALL TOOL	31.37	3300-5
BONDSERT # 6 INSTALL TOOL	31.37	3300-6
BONDSERT # 7 INSTALL TOOL	36.60	3300-7
BONDSERT # 8 INSTALL TOOL	36.60	3300-8
BONDSERT # 9 INSTALL TOOL	36.60	3300-9

Nes[®]

MINI KIT 1044

U.S. pat. No. 6,544,127
Patented in other countries
& PAT. PEND.

INTERNAL



1 Turn Knob (K) to retract blade (B) into housing (H). Insert ThreadMate into threaded hole to be repaired.



2 Turn Knob (K) to extend blade (B) into a thread groove below the damaged section and tighten - by hand only.



3 Rotate ThreadMate cross-rod as shown.

For internal aluminum threads plastic pads must be used.
Use the pads for threads bigger than 3.1mm (1/8")

See details and replacing instructions on www.threadmate.com



NES Threadmate

ThreadMate Kits are an economical option for internal M5 - M12 external M4 - M13 and are ideal for:

- Outdoor technicians
- Maintenance
- Workshops
- Garages
- Marine Repairs
- Agricultural Repairs
- Motorcycles
- Bicycles

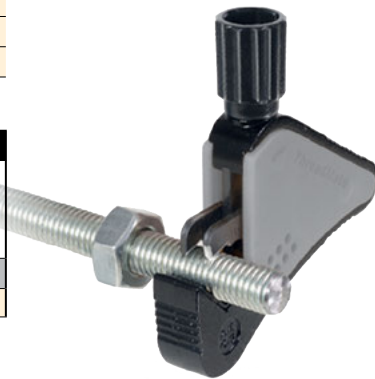
NES Threadmate tools are also available individually in convenient clam shell hang packs.

Spare blades are available in 60°, which are supplied as standard, and also 55° to suit BSW and BSF thread forms.

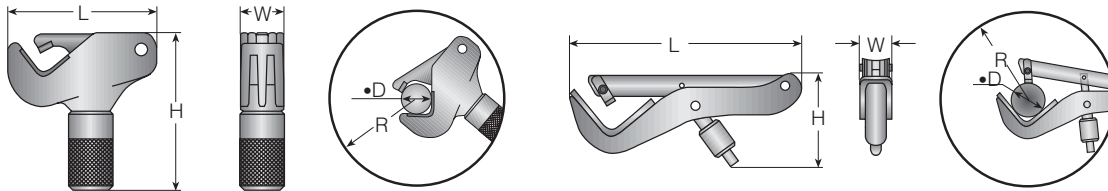
Threadmate kits include replaceable nylon pads to protect thread crests when restoring threads in soft metals and alloys.

GROUP	NESR
THREAD TYPE	EXTERNAL
THREAD ANGLE	60°
THREAD RANGE	4-13MM (5/32-1/2")

THREADMATE			
MM	INCH	\$	PART #
4.00-13.00	5/32-1/2	76.33	3507-06040



GROUP	NESR
THREAD TYPE	EXTERNAL
THREAD ANGLE	60°



Features and Benefits of NES Adjustable Thread Restoring Tools and Kits

One tool restores Metric, Imperial, Right Hand and Left Hand threads and replaces many taps and/or dies.

Does not require calibration.

Self adjusting to any size and pitch within tool range.

Hardened HSS cutting blades for long service life.

Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas.

Removes rust and burrs.

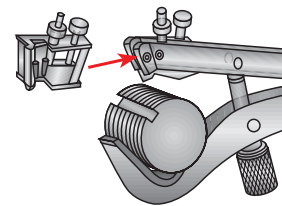
Quick to set up and simple to use.

Spare cutting blades are available in 60° and 55° flank angles.

Repairs a wide range of sizes
Internal 8mm to 108mm
External 4mm to 152mm

	EXTERNAL								
	MIN MAX	MIN MAX	MIN MAX						
	MM	INCH	PIPE	\$	PART #	L	W	H	R
NES 1A	4.00 – 18.00	5/32 – 11/16	up to 7/16"	150.99	3507-NES1A	61	23	62	68
NES 2	17.00 – 38.00	11/16 – 1-1/2	3/8" to 1-1/8"	220.07	3507-NES2	105	32	110	117
NES 3	32.00 – 152.00	1-1/4 – 6	1" to 5-1/2"	505.94	3507-NES3	305	44	130	250

KEYWAY SKIP ADAPTOR			
SUITS		\$	PART #
NES 3	PITCH ≥ 1.75MM OR 14TPI	152.92	3507-03101
NES 3	PITCH < 1.75MM OR 14TPI	262.25	3507-03103



REPLACEMENT BLADES					
		60°		55°	
SUITS		\$	PART #	\$	PART #
NES 1A	ALL PITCHES	56.89	3507-00010	56.89	3507-00020
NES 2	PITCH ≥ 1.5MM OR 17TPI	77.28	3507-00030	77.28	3507-00040
NES 2	PITCH < 1.5MM OR 17TPI	77.28	3507-00031F	77.28	3507-00041F
NES 3	1.75MM 14TPI ≤ PITCH ≤ 3.5MM 7TPI	109.32	3507-03010	109.32	3507-03020
NES 3	PITCH > 3.5MM OR 7TPI	109.32	3507-03011C	109.32	3507-03021C
NES 3	PITCH < 1.75MM OR 14TPI	109.32	3507-03010F		

Nylon Pads

Nylon pads are available for NES 21 through to NES 24 internal tools and are to be used during the repair of threads in aluminium and other soft metals. NES Nylon Pads are produced from top quality polyamide resins which provide superior toughness, resilience and outstanding mechanical properties over a wide range of operating environments.





Features and Benefits of NES Adjustable Thread Restoring Tools and Kits

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Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas.

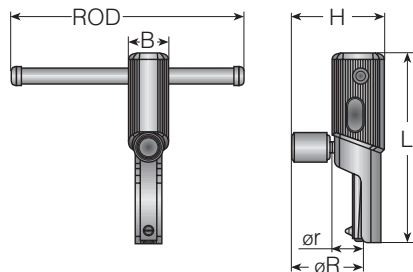
Removes rust and burrs.

Quick to set up and simple to use.

Spare cutting blades are available in 60° and 55° flank angles.

Repairs a wide range of sizes Internal 8mm to 108mm External 4mm to 152mm.

GROUP	NESR
THREAD TYPE	INTERNAL
THREAD ANGLE	60°



INTERNAL										
	MIN MAX	MIN MAX								
	MM	INCH	\$	PART #	L	B	H	ROD	ø r	ø R
NES 21	8.00 – 11.00	5/16 – 7/16	166.78	3507-NES21	109	18	45	136	16	38
NES 22	12.00 – 16.00	1/2 – 5/8	166.78	3507-NES22	109	18	45	136	17	39
NES 23	16.00 – 20.00	11/16 – 13/16	181.95	3507-NES23	111	21	53	146	20	45
NES 24	22.00 – 32.00	7/8 – 1-1/4	242.65	3507-NES24	136	27	64	161	27	54
NES 25	32.00 – 54.00	1-1/4 – 2-1/8	424.76	3507-NES25	163	38	81	192	35	62
NES 26	32.00 – 68.00	1-1/4 – 2-5/8	606.89	3507-NES26	163	50	92	192	41	70
NES 27	69.00 – 81.00	2-3/4 – 3-3/16	790.12	3507-NES27	163	50	103	192	48	76
NES 28	82.00 – 95.00	3-1/4 – 3-3/4	975.77	3507-NES28	163	50	118	192	54	82
NES 29	96.00 – 108.00	3-3/4 – 4-1/4	1,152.14	3507-NES29	163	50	132	192	61	88

ACCESSORIES						
	MIN MAX					
SUITS	NEW TOOL SIZE RANGE	QTY	\$	PART #	\$	PART #
NES 21	9-11MM, 3/8-1/2"	5	16.50	3507-07217		
NES 22	14-18MM, 9/16-11/16"	5	16.50	3507-07227		
NES 23	18-22MM, 11/16-7/8"	5	18.53	3507-07237		
NES 24	22-33MM, 7/8-1-5/16"	5	19.84	3507-07247		
NES 25	68MM, 2-5/8"	1			152.92	3507-07269

REPLACEMENT BLADES					
			60°	55°	
SUITS		\$	PART #	\$	PART #
NES 21	ALL PITCHES	40.15	3507-07216	40.15	3507-07215
NES 22	ALL PITCHES	36.49	3507-07226	36.49	3507-07225
NES 23	ALL PITCHES	37.72	3507-07236	37.72	3507-07235
NES 24	PITCH ≤ 2.5MM OR 10TPI	39.76	3507-07246F	39.76	3507-07245F
NES 24	PITCH > 2.5MM OR 10TPI	39.76	3507-07246C	39.76	3507-07245C
NES 25	PITCH ≤ 1.75MM OR 14TPI	45.88	3507-07256	45.88	3507-07255
NES 25	PITCH < 1.75MM OR 14TPI	45.92	3507-07256F	45.92	3507-07255F
NES 26	1.75MM 14TPI ≤ PITCH ≤ 3.5MM 7TPI	49.06	3507-07266	45.88	3507-07265
NES 26	PITCH < 1.75MM OR 14TPI	49.06	3507-07266F	45.88	3507-07265F
NES 26	PITCH > 3.5MM OR 7TPI			45.88	3507-07265C

GROUP	NESR
THREAD TYPE	INTERNAL & EXTERNAL
THREAD ANGLE	60°



MERCHANDISER				
	\$	PART #	PART #	PART #
NES HANG SELL MERCHANDISER	1,205.55	3507-D2	3507-NES21	3507-06040
			3507-NES22	3507-NES1A
			3507-NES23	3507-NES2
			3507-NES24	—





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Repairs a wide range of sizes
Internal 8mm to 108mm
External 4mm to 152mm.



GROUP	NESR
THREAD TYPE	INTERNAL
THREAD ANGLE	60°
INTERNAL THREAD RANGE	8 – 32MM (5/16 – 1-1/4")

INTERNAL KIT

	Nes				MIN	MAX
					←	→
	\$	PART #	PART #	QTY	MM	INCH
SET 1008	755.96	3507-01008	3507-NES21	1	8.00 – 11.00	5/16 – 7/16
			3507-NES22	1	12.00 – 16.00	1/2 – 5/8
			3507-NES23	1	16.00 – 20.00	11/16 – 13/16
			3507-NES24	1	22.00 – 32.00	7/8 – 1-1/4
			3507-07216	1	–	–
			3507-07226	1	–	–
			3507-07236	1	–	–
			3507-07246F	1	–	–



GROUP	NESR
THREAD TYPE	INTERNAL & EXTERNAL
THREAD ANGLE	60°
INTERNAL THREAD RANGE	8 – 32MM (5/16 – 1-1/4")
EXTERNAL THREAD RANGE	4 – 38MM (5/32 – 1-1/2")

COMBINATION KIT

	Nes				MIN	MAX	MIN	MAX	MIN	MAX
					←	→	←	→	←	→
	\$	PART #	PART #	QTY	MM	INCH	MM	INCH	MM	INCH
SET 1025	1,157.33	3507-01025	3507-NES1A	1	–	–	4.00 – 18.00	5/32 – 11/16	–	–
			3507-NES2	1	–	–	17.00 – 38.00	11/16 – 1-1/2	–	–
			3507-NES21	1	8.00 – 11.00	5/16 – 7/16	–	–	–	–
			3507-NES22	1	12.00 – 16.00	1/2 – 5/8	–	–	–	–
			3507-NES23	1	16.00 – 20.00	11/16 – 13/16	–	–	–	–
			3507-NES24	1	22.00 – 32.00	7/8 – 1-1/4	–	–	–	–
			3507-00010	1	–	–	–	–	–	–
			3507-00030	1	–	–	–	–	–	–
			3507-07216	1	–	–	–	–	–	–
			3507-07226	1	–	–	–	–	–	–
			3507-07236	1	–	–	–	–	–	–
			3507-07246F	1	–	–	–	–	–	–

GROUP	NESR
THREAD TYPE	EXTERNAL
THREAD ANGLE	60°
THREAD RANGE	4 – 38MM (5/32 – 1-1/2")



EXTERNAL KIT						
	\$	PART #	PART #	QTY	MM	INCH
SET 12	413.77	3507-01000	3507-NES1A	1	4.00 – 18.00	5/32 – 11/16
			3507-NES2	1	17.00 – 38.00	11/16 – 1-1/2
			3507-00010	1	–	–
			3507-00030	1	–	–

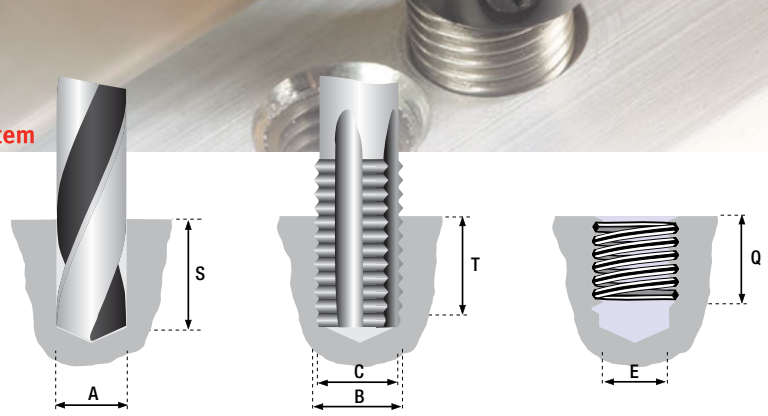
GROUP	NESR
THREAD TYPE	EXTERNAL
THREAD ANGLE	60°
THREAD RANGE	4 – 152MM (5/32 – 6")



EXTERNAL KIT						
	\$	PART #	PART #	QTY	MM	INCH
SET 123	1,015.93	3507-01300	3507-NES1A	1	4.00 – 18.00	5/32 – 11/16
			3507-NES2	1	17.00 – 38.00	11/16 – 1-1/2
			3507-NES3	1	32.00 – 152.00	1-1/4 – 6
			3507-00010	1	–	–
			3507-00030	1	–	–
			3507-03010	1	–	–
			CLEANER	1	–	–
			EXTENSION HANDLE	1	–	–

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 may be reduced by an amount equal to 2 thread pitches. Any countersink depths must be added to these dimensions.

* B Major Diameter is listed for tap identification only. Slight variance of this dimension is expected and has no bearing on correct fit and tolerance of the wire thread after installation.



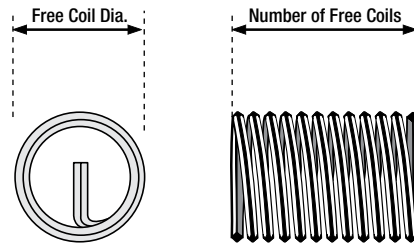
Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS									E Fitted Minor Dia.
	Drill		S Min. Drilling Depth Inter/Plug Tap						B Major Dia. *		C Pitch Diameter			T Minimum Tapping Depth						
	Size	A Minor Dia.	1D	1.5D	2D	2.5D	3D	Min			5H Max	6H Max	1D	1.5D	2D	2.5D	3D			
mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm					
M2 X 0.4	2.10	#45	2.087	2.177	3.80	4.80	5.80	6.80	7.80	M2 X 0.4	2.520	2.260	2.296	2.311	3.40	4.40	5.40	6.40	7.40	1.567
M2.2 X 0.45	2.30	#42	2.297	2.397	4.23	5.33	6.43	7.53	8.63	M2.2 X 0.45	2.785	2.492	2.532	2.547	3.78	4.88	5.98	7.08	8.18	1.713
M2.5 X 0.45	2.60	#37	2.597	2.697	4.53	5.78	7.03	8.28	9.53	M2.5 X 0.45	3.085	2.792	2.832	2.847	4.08	5.33	6.58	7.83	9.08	2.013
M3 X 0.5	3.20	1/8	3.108	3.220	5.25	6.75	8.25	9.75	11.25	M3 X 0.5	3.650	3.325	3.367	3.384	4.75	6.25	7.75	9.25	10.75	2.459
M3.5 X 0.6	3.70	#27	3.630	3.755	6.20	7.95	9.70	11.45	13.20	M3.5 X 0.6	4.279	3.890	3.940	3.959	5.60	7.35	9.10	10.85	12.60	2.850
M4 x 0.7	4.20	11/64	4.152	4.292	7.15	9.15	11.15	13.15	15.15	M4 x 0.7	4.909	4.455	4.509	4.529	6.45	8.45	10.45	12.45	14.45	3.242
M5 X 0.8	5.20	13/64	5.173	5.333	8.60	11.10	13.60	16.10	18.60	M5 X 0.8	6.039	5.520	5.577	5.597	7.80	10.30	12.80	15.30	17.80	4.134
M6 X 1	6.30	1/4	6.216	6.406	10.50	13.50	16.50	19.50	22.50	M6 X 1	7.299	6.650	6.719	6.742	9.50	12.50	15.50	18.50	21.50	4.917
M7 X 1	7.30	9/32	7.216	7.406	11.50	15.00	18.50	22.00	25.50	M7 X 1	8.299	7.650	7.719	7.742	10.50	14.00	17.50	21.00	24.50	5.917
M8 X 1.25	8.30	21/64	8.271	8.483	13.63	17.63	21.63	25.63	29.63	M8 X 1.25	9.624	8.812	8.886	8.912	12.38	16.38	20.38	24.38	28.38	6.647
M8 X 1	8.30	21/64	8.216	8.406	12.50	16.50	20.50	24.50	28.50	M8 X 1	9.299	8.650	8.719	8.742	11.50	15.50	19.50	23.50	27.50	6.917
M9 X 1.25	9.40	3/8	9.271	9.483	14.63	19.13	23.63	28.13	32.63	M9 X 1.25	10.624	9.812	9.886	9.912	13.38	17.88	22.38	26.88	31.38	7.647
M9 x 1	9.30	23/64	9.216	9.406	13.50	18.00	22.50	27.00	31.50	M9 x 1	10.299	9.650	9.719	9.742	12.50	17.00	21.50	26.00	30.50	7.917
M10 X 1.5	10.40	13/32	10.325	10.561	16.75	21.75	26.75	31.75	36.75	M10 X 1.5	11.949	10.974	11.061	11.089	15.25	20.25	25.25	30.25	35.25	8.376
M10 X 1.25	10.30	13/32	10.271	10.483	15.63	20.63	25.63	30.63	35.63	M10 X 1.25	11.624	10.812	10.886	10.912	14.38	19.38	24.38	29.38	34.38	8.647
M10 x 1	10.30	13/32	10.216	10.406	14.50	19.50	24.50	29.50	34.50	M10 x 1	11.299	10.650	10.724	10.742	13.50	18.50	23.50	28.50	33.50	8.917
M11 X 1.5	11.40	7/16	11.325	11.561	17.75	23.25	28.75	34.25	39.75	M11 X 1.5	12.949	11.974	12.061	12.089	16.25	21.75	27.25	32.75	38.25	9.376
M11 X 1.25	11.30	7/16	11.271	11.483	16.63	22.13	27.63	33.13	38.63	M11 X 1.25	12.624	11.812	11.886	11.912	15.38	20.88	26.38	31.88	37.38	9.647
M11 X 1	11.30	7/16	11.216	11.406	15.50	21.00	26.50	32.00	37.50	M11 X 1	12.299	11.650	11.724	11.742	14.50	20.00	25.50	31.00	36.50	9.917
M12 X 1.75	12.50	31/64	12.379	12.644	19.88	25.88	31.88	37.88	43.88	M12 X 1.75	14.273	13.137	13.236	13.271	18.13	24.13	30.13	36.13	42.13	10.106
M12 X 1.5	12.40	31/64	12.325	12.561	18.75	24.75	30.75	36.75	42.75	M12 X 1.5	13.949	12.974	13.067	13.099	17.25	23.25	29.25	35.25	41.25	10.376
M12 X 1.25	12.30	31/64	12.271	12.483	17.63	23.63	29.63	35.63	41.63	M12 X 1.25	13.624	12.812	12.886	12.912	16.38	22.38	28.38	34.38	40.38	10.647
M12 X 1	12.30	31/64	12.216	12.406	16.50	22.50	28.50	34.50	40.50	M12 X 1	13.299	12.649	12.724	12.749	15.50	21.50	27.50	33.50	39.50	10.917
M13 X 1.75	13.50	33/64	13.379	13.644	20.88	27.38	33.88	40.38	46.88	M13 X 1.75	15.273	14.137	14.236	14.271	19.13	25.63	32.13	38.63	45.13	11.106
M13 X 1.5	13.20	33/64	13.325	13.561	19.75	26.25	32.75	39.25	45.75	M13 X 1.5	14.949	13.974	14.067	14.099	18.25	24.75	31.25	37.75	44.25	11.376
M13 X 1.25	13.20	33/64	13.271	13.483	18.63	25.13	31.63	38.13	44.63	M13 X 1.25	14.624	13.812	13.886	13.912	17.38	23.88	30.38	36.88	43.38	11.647
M14 X 2	14.50	37/64	14.433	14.733	23.00	30.00	37.00	44.00	51.00	M14 X 2	16.598	15.299	15.406	15.444	21.00	28.00	35.00	42.00	49.00	11.835
M14 X 1.5	14.40	9/16	14.325	14.561	20.75	27.75	34.75	41.75	48.75	M14 X 1.5	15.949	14.974	15.067	15.099	19.25	26.25	33.25	40.25	47.25	12.376
M14 X 1.25	14.30	9/16	14.271	14.483	19.63	26.63	33.63	40.63	47.63	M14 X 1.25	15.624	14.812	14.886	14.912	18.38	25.38	32.38	39.38	46.38	12.674
M14 X 1	14.30	9/16	14.216	14.406	18.50	25.50	32.50	39.50	46.50	M14 X 1	15.299	14.649	14.724	14.749	17.50	24.50	31.50	38.50	45.50	12.917
M15 X 2	15.50	39/64	15.433	15.733	24.00	31.50	39.00	46.50	54.00	M15 X 2	17.598	16.299	16.406	16.444	22.00	29.50	37.00	44.50	52.00	12.835
M15 X 1.5	15.30	39/64	15.325	15.561	21.75	29.25	36.75	44.25	51.75	M15 X 1.5	16.949	15.974	16.067	16.099	20.25	27.75	35.25	42.75	50.25	13.376
M16 X 2	16.50	21/32	16.433	16.733	25.00	33.00	41.00	49.00	57.00	M16 X 2	18.598	17.299	17.406	17.444	23.00	31.00	39.00	47.00	55.00	13.835
M16 X 1.5	16.50	21/32	16.325	16.561	22.75	30.75	38.75	46.75	54.75	M16 X 1.5	17.949	16.974	17.067	17.099	21.25	29.25	37.25	45.25	53.25	14.376
M18 X 2.5	18.80	47/64	18.541	18.896	29.25	38.25	47.25	56.25	65.25	M18 X 2.5	21.248	19.624	19.738	19.778	26.75	35.75	44.75	53.75	62.75	15.294
M18 X 2	18.50	23/32	18.433	18.733	27.00	36.00	45.00	54.00	63.00	M18 X 2	20.598	19.299	19.406	19.444	25.00	34.00	43.00	52.00	61.00	15.835
M18 X 1.5	18.50	23/32	18.325	18.561	24.75	33.75	42.75	51.75	60.75	M18 X 1.5	19.949	18.974	19.067	19.099	23.25	32.25	41.25	50.25	59.25	16.376
M20 X 2.5	20.80	13/16	20.541	20.896	31.25	41.25	51.25	61.25	71.25	M20 X 2.5	23.248	21.624	21.738	21.778	28.75	38.75	48.75	58.75	68.75	17.294
M20 X 2	20.50	13/16	20.433	20.733	29.00	39.00	49.00	59.00	69.00	M20 X 2	22.598	21.299	21.406	21.444	27.00	37.00	47.00	57.00	67.00	17.835
M20 X 1.5	20.50	13/16	20.325	20.561	26.75	36.75	46.75	56.75	66.75	M20 X 1.5	21.949	20.974	21.067	21.099	25.25	35.25	45.25	55.25	65.25	18.376
M22 X 2.5	22.80	57/64	22.541	22.896	33.25	44.25	55.25	66.25	77.25	M22 X 2.5	25.248	23.624	23.738	23.778	30.75	41.75	52.75	63.75	74.75	19.294
M22 X 2	22.50	57/64	22.433	22.733	31.00	42.00	53.00	64.00	75.00	M22 X 2	24.598	23.299	23.406	23.444	29.00	40.00	51.00	62.00	73.00	19.835
M22 X 1.5	22.50	57/64	22.325	22.561	28.75	39.75	50.75	61.75	72.75	M22 X 1.5	23.949	22.974	23.067	23.099	27.25	38.25	49.25	60.25	71.25	20.376
M24 X 3	25.00	31/32	24.650	25.050	37.50	49.50	61.50	73.50	85.50	M24 X 3	27.897	25.948	26.093	26.135	34.50	46.50	58.50	70.50	82.50	20.752
M24 X 2	24.50	31/32	24.433	24.733	33.00	45.00	57.00	69.00	81.00	M24 X 2	26.598	25.299	25.414	25.454	31.00	43.00	55.00	67.00	79.00	21.835
M24 X 1.5	24.50	31/32	2																	

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 listed below 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.

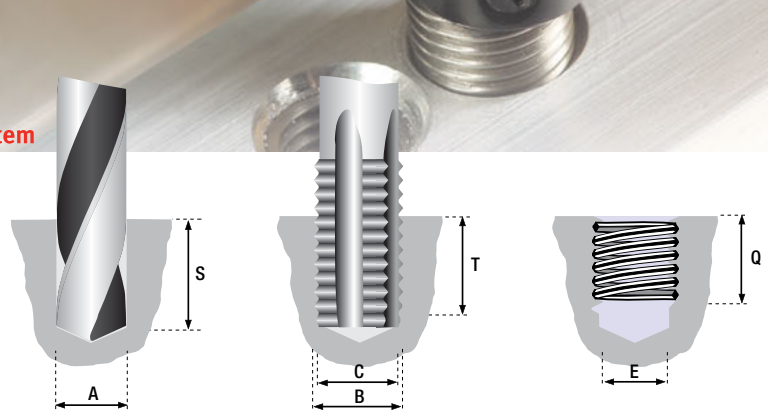
PowerCoil wire thread inserts can be manufactured to different standards upon request. Technical data on these standards can be obtained from our website – www.powercoil.com.au.



Nominal Thread Size	INSERT SPECIFICATIONS – FREE RUNNING – REDUCED DIAMETER																Nominal Thread Size	
	Q Nominal Length – installed					Free Coil Diameter		Number of Free Coils ± 1/4 coil counted 90° from Tang										
	1D	1.5D	2D	2.5D	3D	Min	Max	1D		1.5D		2D		2.5D		3D		
	mm	mm	mm	mm	mm	mm	mm	Min	Max	Min	Max	Min	Max	Min	Max	Min		Max
M2 X 0.4	2.00	3.00	4.00	5.00	6.00	2.49	2.70	3.00	3.30	5.20	5.70	7.40	8.10	9.60	10.50	11.80	13.00	M2 X 0.4
M2.2 X 0.45	2.20	3.30	4.40	5.50	6.60	2.76	3.00	2.90	3.20	5.00	5.50	7.10	7.90	9.30	10.30	11.40	12.60	M2.2 X 0.45
M2.5 X 0.45	2.50	3.75	5.00	6.25	7.50	3.05	3.70	3.10	3.80	5.20	6.50	7.40	9.20	9.50	11.90	11.70	14.60	M2.5 X 0.45
M3 X 0.5	3.00	4.50	6.00	7.50	9.00	3.61	4.35	3.40	4.30	5.80	7.20	8.20	10.10	10.50	13.10	12.90	16.00	M3 X 0.5
M3.5 X 0.6	3.50	5.25	7.00	8.75	10.50	4.24	4.95	3.40	4.10	5.80	7.00	8.20	9.80	10.50	12.60	12.90	15.50	M3.5 X 0.6
M4 x 0.7	4.00	6.00	8.00	10.00	12.00	4.86	5.60	3.40	4.00	5.70	6.80	8.10	9.60	10.50	12.30	12.80	15.10	M4 x 0.7
M5 X 0.8	5.00	7.50	10.00	12.50	15.00	5.98	6.80	3.90	4.50	6.50	7.60	9.20	10.60	11.80	13.70	14.40	16.70	M5 X 0.8
M6 X 1	6.00	9.00	12.00	15.00	18.00	7.23	7.95	3.80	4.30	6.40	7.20	9.10	10.10	11.70	13.10	14.30	16.00	M6 X 1
M7 X 1	7.00	10.50	14.00	17.50	21.00	8.22	9.20	4.60	5.30	7.70	8.70	10.70	12.10	13.70	15.60	16.70	19.00	M7 X 1
M8 X 1.25	8.00	12.00	16.00	20.00	24.00	9.53	10.35	4.20	4.70	7.10	7.80	9.90	10.90	12.80	14.10	15.60	17.20	M8 X 1.25
M8 X 1	8.00	12.00	16.00	20.00	24.00	9.39	10.25	5.60	6.10	9.10	10.00	12.50	13.80	16.00	17.70	19.50	21.50	M8 X 1
M9 X 1.25	9.00	13.50	18.00	22.50	27.00	10.52	11.16	5.10	5.50	8.40	9.00	11.70	12.50	15.00	16.10	18.30	19.60	M9 X 1.25
M9 x 1	9.00	13.50	18.00	22.50	27.00	10.40	11.23	6.50	7.10	10.50	11.50	14.50	15.80	18.50	20.20	22.50	24.50	M9 x 1
M10 X 1.5	10.00	15.00	20.00	25.00	30.00	11.83	12.50	4.60	4.90	7.70	8.20	10.80	11.50	13.80	14.70	16.90	18.00	M10 X 1.5
M10 X 1.25	10.00	15.00	20.00	25.00	30.00	11.74	12.65	5.60	6.10	9.20	10.00	12.70	13.80	16.30	17.70	19.80	21.50	M10 X 1.25
M10 x 1	10.00	15.00	20.00	25.00	30.00	11.41	12.50	7.30	8.10	11.70	12.90	16.10	17.80	20.50	22.60	24.90	27.50	M10 x 1
M11 X 1.5	11.00	16.50	22.00	27.50	33.00	12.82	13.59	5.20	5.60	8.60	9.20	12.00	12.80	15.40	16.40	18.70	20.00	M11 X 1.5
M11 X 1.25	11.00	16.50	22.00	27.50	33.00	12.75	13.76	6.40	6.90	10.30	11.20	14.20	15.40	18.10	19.70	22.00	23.90	M11 X 1.25
M11 X 1	11.00	16.50	22.00	27.50	33.00	12.42	13.41	8.40	9.10	13.30	14.40	18.20	19.80	23.10	25.10	28.00	30.40	M11 X 1
M12 X 1.75	12.00	18.00	24.00	30.00	36.00	14.13	15.00	4.80	5.10	7.90	8.50	11.10	11.90	14.20	15.20	17.30	18.60	M12 X 1.75
M12 X 1.5	12.00	18.00	24.00	30.00	36.00	14.09	15.20	5.60	6.10	9.20	10.00	12.70	13.80	16.20	17.70	19.80	21.50	M12 X 1.5
M12 X 1.25	12.00	18.00	24.00	30.00	36.00	13.76	15.00	7.00	7.70	11.20	12.40	15.50	17.00	19.70	21.60	23.90	26.30	M12 X 1.25
M12 X 1	12.00	18.00	24.00	30.00	36.00	13.43	14.49	9.30	10.10	14.70	15.90	20.00	21.70	25.40	27.60	30.80	33.40	M12 X 1
M13 X 1.75	13.00	19.50	26.00	32.50	39.00	15.12	16.04	5.30	5.70	8.70	9.40	12.20	13.00	15.60	16.70	19.00	20.30	M13 X 1.75
M13 X 1.5	13.00	19.50	26.00	32.50	39.00	15.10	16.29	6.20	6.80	10.10	11.00	13.90	15.20	17.80	19.30	21.60	23.50	M13 X 1.5
M13 X 1.25	13.00	19.50	26.00	32.50	39.00	14.77	15.94	7.80	8.50	12.50	13.50	17.10	18.60	21.70	23.60	26.40	28.70	M13 X 1.25
M14 X 2	14.00	21.00	28.00	35.00	42.00	16.43	17.35	5.00	5.30	8.20	8.70	11.40	12.10	14.60	15.60	17.90	19.00	M14 X 2
M14 X 1.5	14.00	21.00	28.00	35.00	42.00	16.11	17.25	6.90	7.50	11.10	12.00	15.30	16.50	19.40	21.00	23.60	25.50	M14 X 1.5
M14 X 1.25	14.00	21.00	28.00	35.00	42.00	15.78	17.03	8.60	9.30	13.60	14.70	18.60	20.20	23.60	25.60	28.60	31.00	M14 X 1.25
M14 X 1	14.00	21.00	28.00	35.00	42.00	15.45	16.68	11.10	12.10	17.40	18.90	23.70	25.70	30.00	32.50	36.20	39.30	M14 X 1
M15 X 2	15.00	22.50	30.00	37.50	45.00	17.42	18.48	5.40	5.80	8.80	9.50	12.30	13.10	15.70	16.80	19.20	20.50	M15 X 2
M15 X 1.5	15.00	22.50	30.00	37.50	45.00	17.12	18.47	7.50	8.10	11.90	12.90	16.40	17.80	20.80	22.60	25.30	27.50	M15 X 1.5
M16 X 2	16.00	24.00	32.00	40.00	48.00	18.41	19.60	5.90	6.30	9.50	10.20	13.20	14.20	16.90	18.10	20.50	22.00	M16 X 2
M16 X 1.5	16.00	24.00	32.00	40.00	48.00	18.13	19.60	8.00	8.80	12.80	13.90	17.50	19.10	22.30	24.30	27.00	29.40	M16 X 1.5
M18 X 2.5	18.00	27.00	36.00	45.00	54.00	21.04	22.00	5.20	5.50	8.60	9.00	11.90	12.50	15.30	16.10	18.60	19.60	M18 X 2.5
M18 X 2	18.00	27.00	36.00	45.00	54.00	20.80	21.85	6.70	7.10	10.90	11.50	15.00	15.80	19.10	20.20	23.20	24.50	M18 X 2
M18 X 1.5	18.00	27.00	36.00	45.00	54.00	20.15	21.75	9.30	10.10	14.60	15.90	20.00	21.70	25.40	27.60	30.70	33.40	M18 X 1.5
M20 X 2.5	20.00	30.00	40.00	50.00	60.00	23.02	24.40	5.90	6.30	9.60	10.20	13.30	14.20	16.90	18.10	20.60	22.00	M20 X 2.5
M20 X 2	20.00	30.00	40.00	50.00	60.00	22.82	24.05	7.70	8.10	12.20	12.90	16.80	17.80	21.40	22.60	25.90	27.50	M20 X 2
M20 X 1.5	20.00	30.00	40.00	50.00	60.00	22.17	24.00	10.50	11.40	16.40	17.90	22.40	24.40	28.30	30.90	34.30	37.40	M20 X 1.5
M22 X 2.5	22.00	33.00	44.00	55.00	66.00	25.00	26.90	6.50	7.10	10.50	11.40	14.50	15.80	18.50	20.10	22.50	24.50	M22 X 2.5
M22 X 2	22.00	33.00	44.00	55.00	66.00	24.84	26.50	8.50	9.10	13.40	14.40	18.40	19.80	23.40	25.10	28.40	30.40	M22 X 2
M22 X 1.5	22.00	33.00	44.00	55.00	66.00	24.19	26.45	11.60	12.70	18.10	19.90	24.60	27.00	31.10	34.20	37.60	41.30	M22 X 1.5
M24 X 3	24.00	36.00	48.00	60.00	72.00	27.62	29.00	5.90	6.30	9.70	10.20	13.40	14.20	17.10	18.10	20.90	22.00	M24 X 3
M24 X 2	24.00	36.00	48.00	60.00	72.00	26.86	29.10	9.20	10.10	14.60	15.90	19.90	21.70	25.30	27.60	30.60	33.40	M24 X 2
M24 X 1.5	24.00	36.00	48.00	60.00	72.00	26.21	28.28	12.90	14.00	20.10	21.80	27.30	29.70	34.50	37.50	41.70	45.30	M24 X 1.5
M26 X 1.5	26.00	39.00	52.00	65.00	78.00	28.23	30.46	14.20	15.40	22.00	23.80	29.80	32.30	37.60	40.80	45.40	49.20	M26 X 1.5
M27 X 3	27.00	40.50	54.00	67.50	81.00	30.59	32.40	6.80	7.30	11.00	11.70	15.20	16.20	19.30	20.60	23.50	25.10	M27 X 3
M27 X 2	27.00	40.50	54.00	67.50	81.00	29.89	32.30	10.60	11.60	16.70	18.10	22.70	24.70	28.80	31.30	34.80	37.90	M27 X 2
M30 X 3.5	30.00	45.00	60.00	75.00	90.00	34.20	35.81	6.50	6.90	10.50	11.10	14.50	15.30	18.60	19.50	22.60	23.80	M30 X 3.5
M30 X 3	30.00	45.00	60.00	75.00	90.00	34.24	36.10	7.60	8.10	12.20	12.90	16.80	17.80	21.30	22.60	25.90	27.50	M30 X 3
M30 X 2	30.00	45.00	60.00	75.00	90.00	32.92	35.70	12.00	13.00	18.70	20.40	25.40	27.70	32.10	35.00	38.80	42.30	M30 X 2
M33 X 3.5	33.00	49.50	66.00	82.50	99.00	37.17	38.80	7.40	7.70	11.80	12.40	16.20	17.00	20.70	21.70	25.10	26.40	M33 X 3.5
M33 X 3	33.00	49.50	66.00	82.50	99.00	37.27	39.50	8.50	9.10	13.50	14.40	18.50	19.80	23.60	25.10	28.60	30.40	M33 X 3
M33 X 2	33.00	49.50	66.00	82.50	99.00	35.95	39.20	13.30	14.50	20.60	22.60	28.00	30.60	35.30	38.70	42.70	46.80	M33 X 2
M36 X 4	36.00	54.00	72.00	90.00	108.00	40.78	42.67	6.90	7.30	11.20	11.70	15.40						

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 may be reduced by an amount equal to 2 thread pitches. Any countersink depths must be added to these dimensions.

* B Major Diameter is listed for tap identification only. Slight variance of this dimension is expected and has no bearing on correct fit and tolerance of the wire thread after installation.



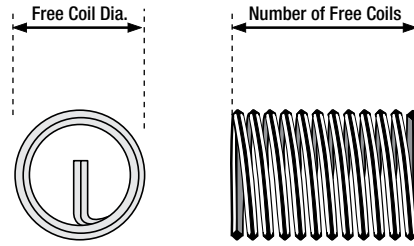
Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS									E Fitted Minor Dia.	
	Drill				S Min. Drilling Depth Inter/Plug Tap						B Major Dia. *	C Pitch Diameter			T Minimum Tapping Depth						
	Size	A Minor Dia.	1D	1.5D	2D	2.5D	3D	Min	2B Max			1B Max	1D	1.5D	2D	2.5D	3D				
mm	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch					
UNC											UNC										
2G X 56	2.40	#41	0.090	0.094	0.166	0.209	0.252	0.295	0.338	2G X 56	0.109	0.098	0.099	0.100	0.148	0.191	0.234	0.277	0.320	0.0667	
3G X 48	2.70	#36	0.104	0.108	0.193	0.242	0.292	0.341	0.391	3G X 48	0.126	0.113	0.114	0.115	0.172	0.221	0.271	0.320	0.370	0.0764	
4G X 40	3.00	#31	0.117	0.122	0.224	0.280	0.336	0.392	0.448	4G X 40	0.145	0.128	0.130	0.131	0.199	0.255	0.311	0.367	0.423	0.0849	
5G X 40	3.40	#29	0.130	0.135	0.237	0.300	0.362	0.425	0.487	5G X 40	0.158	0.141	0.143	0.144	0.212	0.275	0.337	0.400	0.462	0.0979	
6G X 32	3.70	#25	0.145	0.150	0.279	0.348	0.417	0.486	0.555	6G X 32	0.179	0.158	0.160	0.161	0.247	0.316	0.385	0.454	0.523	0.1040	
8G X 32	4.40	11/64	0.171	0.176	0.305	0.387	0.469	0.551	0.633	8G X 32	0.205	0.184	0.186	0.187	0.273	0.355	0.437	0.519	0.601	0.1300	
10G X 24	5.10	13/64	0.199	0.205	0.377	0.472	0.567	0.662	0.757	10G X 24	0.244	0.217	0.219	0.220	0.336	0.431	0.526	0.621	0.716	0.1450	
12G X 24	5.70	15/64	0.225	0.231	0.403	0.511	0.619	0.727	0.835	12G X 24	0.270	0.243	0.245	0.247	0.362	0.470	0.578	0.686	0.794	0.1710	
1/4 X 20	6.70	17/64	0.261	0.270	0.475	0.600	0.725	0.850	0.975	1/4 X 20	0.315	0.283	0.285	0.286	0.425	0.550	0.675	0.800	0.925	0.1959	
5/16 X 18	8.30	21/64	0.325	0.334	0.562	0.718	0.875	1.031	1.187	5/16 X 18	0.385	0.349	0.352	0.353	0.507	0.663	0.819	0.975	1.132	0.2524	
3/8 X 16	9.90	25/64	0.389	0.399	0.656	0.844	1.031	1.219	1.406	3/8 X 16	0.456	0.416	0.419	0.420	0.594	0.781	0.969	1.156	1.344	0.3073	
7/16 X 14	11.60	29/64	0.453	0.464	0.758	0.977	1.196	1.415	1.633	7/16 X 14	0.530	0.484	0.488	0.489	0.687	0.906	1.125	1.344	1.562	0.3602	
1/2 X 13	13.00	33/64	0.517	0.528	0.846	1.096	1.346	1.596	1.846	1/2 X 13	0.600	0.550	0.554	0.555	0.769	1.019	1.269	1.519	1.769	0.4167	
9/16 X 12	15.00	19/32	0.581	0.592	0.937	1.219	1.500	1.781	2.062	9/16 X 12	0.671	0.617	0.621	0.623	0.854	1.135	1.417	1.698	1.979	0.4723	
5/8 X 11	16.50	21/32	0.645	0.657	1.034	1.347	1.659	1.972	2.284	5/8 X 11	0.743	0.684	0.689	0.690	0.943	1.256	1.568	1.881	2.193	0.5266	
3/4 X 10	19.80	25/32	0.772	0.784	1.200	1.575	1.950	2.325	2.700	3/4 X 10	0.880	0.815	0.820	0.822	1.100	1.475	1.850	2.225	2.600	0.6417	
7/8 X 9	23.00	29/32	0.899	0.912	1.375	1.812	2.250	2.687	3.125	7/8 X 9	1.019	0.947	0.952	0.954	1.264	1.701	2.139	2.576	3.014	0.7547	
1 X 8	26.20	1.1/32	1.027	1.042	1.562	2.062	2.562	3.062	3.562	1 X 8	1.162	1.081	1.087	1.089	1.437	1.937	2.437	2.937	3.437	0.8647	
1.1/8 X 7	29.50	1.5/32	1.156	1.171	1.768	2.330	2.893	3.455	4.018	1.1/8 X 7	1.311	1.218	1.224	1.226	1.625	2.187	2.750	3.312	3.875	0.9704	
1.1/4 X 7	32.50	1.9/32	1.281	1.296	1.893	2.518	3.143	3.768	4.393	1.1/4 X 7	1.436	1.343	1.349	1.351	1.750	2.375	3.000	3.625	4.250	1.0954	
1.3/8 X 6	36.00	1.13/32	1.411	1.431	2.125	2.812	3.500	4.187	4.875	1.3/8 X 6	1.591	1.483	1.490	1.493	1.958	2.646	3.333	4.021	4.708	1.1946	
1.1/2 X 6	39.50	1.35/64	1.536	1.556	2.250	3.000	3.750	4.500	5.250	1.1/2 X 6	1.716	1.608	1.615	1.618	2.083	2.833	3.583	4.333	5.083	1.3196	
UNF											UNF										
2G X 64	2.30	3/32	0.089	0.093	0.156	0.199	0.242	0.285	0.328	2G X 64	0.106	0.096	0.097	0.098	0.141	0.184	0.227	0.270	0.313	0.0691	
3G X 56	2.70	#37	0.103	0.107	0.179	0.229	0.278	0.328	0.377	3G X 56	0.122	0.111	0.112	0.113	0.161	0.210	0.260	0.310	0.359	0.0797	
4G X 48	3.00	#31	0.117	0.121	0.206	0.262	0.318	0.374	0.430	4G X 48	0.139	0.126	0.127	0.128	0.185	0.241	0.297	0.353	0.409	0.0894	
5G X 44	3.40	#30	0.130	0.134	0.227	0.290	0.352	0.414	0.477	5G X 44	0.155	0.140	0.141	0.142	0.204	0.267	0.329	0.391	0.454	0.1004	
6G X 40	3.70	#26	0.143	0.148	0.250	0.319	0.388	0.457	0.526	6G X 40	0.171	0.154	0.156	0.157	0.225	0.294	0.363	0.432	0.501	0.1111	
8G X 36	4.40	11/64	0.170	0.175	0.289	0.371	0.453	0.535	0.617	8G X 36	0.200	0.182	0.184	0.185	0.261	0.343	0.425	0.507	0.589	0.134	
10G X 32	5.10	13/64	0.197	0.202	0.331	0.426	0.521	0.616	0.711	10G X 32	0.231	0.210	0.212	0.213	0.299	0.394	0.489	0.584	0.679	0.156	
12G X 28	5.70	15/64	0.222	0.229	0.377	0.485	0.593	0.701	0.809	12G X 28	0.263	0.239	0.242	0.243	0.341	0.449	0.557	0.665	0.773	0.177	
1/4 X 28	6.60	17/64	0.258	0.265	0.411	0.536	0.661	0.786	0.911	1/4 X 28	0.296	0.273	0.275	0.277	0.375	0.500	0.625	0.750	0.875	0.2113	
5/16 X 24	8.20	21/64	0.322	0.329	0.500	0.656	0.812	0.969	1.125	5/16 X 24	0.367	0.340	0.342	0.343	0.458	0.614	0.771	0.927	1.083	0.2674	
3/8 X 24	9.80	25/64	0.384	0.391	0.562	0.750	0.937	1.124	1.312	3/8 X 24	0.429	0.402	0.405	0.406	0.521	0.708	0.896	1.083	1.271	0.3299	
7/16 X 20	11.50	29/64	0.448	0.456	0.662	0.881	1.100	1.319	1.537	7/16 X 20	0.503	0.470	0.473	0.474	0.612	0.831	1.050	1.269	1.487	0.3834	
1/2 X 20	13.00	33/64	0.511	0.518	0.725	0.975	1.225	1.475	1.725	1/2 X 20	0.565	0.533	0.536	0.537	0.675	0.925	1.175	1.425	1.675	0.4459	
9/16 X 18	14.70	37/64	0.575	0.582	0.811	1.093	1.374	1.655	1.936	9/16 X 18	0.635	0.599	0.602	0.604	0.756	1.038	1.319	1.600	1.881	0.5024	
5/8 X 18	16.30	41/64	0.637	0.645	0.874	1.187	1.500	1.812	2.124	5/8 X 18	0.697	0.661	0.665	0.666	0.819	1.132	1.444	1.757	2.069	0.5649	
3/4 X 16	19.50	49/64	0.764	0.772	1.031	1.406	1.781	2.156	2.531	3/4 X 16	0.831	0.791	0.795	0.796	0.969	1.344	1.719	2.094	2.469	0.6823	
7/8 X 14	22.50	57/64	0.891	0.899	1.196	1.634	2.071	2.509	2.946	7/8 X 14	0.968	0.921	0.926	0.927	1.125	1.562	2.000	2.437	2.875	0.7977	
1 X 12	26.00	1.1/64	1.018	1.028	1.375	1.875	2.375	2.875	3.375	1 X 12	1.108	1.054	1.059	1.061	1.292	1.792	2.292	2.792	3.292	0.9098	
1 X 14	26.00	1.1/64	1.016	1.024	1.320	1.820	2.320	2.820	3.320	1 X 14	1.093	1.046	1.051	1.053	1.250	1.750	2.250	2.750	3.250	0.9277	
1.1/8 X 12	29.50	1.5/32	1.143	1.154	1.500	2.062	2.625	3.187	3.750	1.1/8 X 12	1.233	1.179	1.184	1.186	1.417	1.979	2.542	3.104	3.667	1.0348	
1.1/4 X 12	32.50	1.9/32	1.268	1.279	1.625	2.250	2.875	3.500	4.125	1.1/4 X 12	1.358	1.304	1.309	1.311	1.542	2.167	2.792	3.417	4.042	1.1598	
1.3/8 X 12	35.50	1.13/32	1.393	1.404	1.750	2.438	3.125	3.813	4.500	1.3/8 X 12	1.483	1.429	1.434	1.436	1.667	2.354	3.042	3.729	4.417	1.2848	
1.1/2 X 12	38.50	1.17/32	1.518	1.529	1.875	2.625	3.375	4.125	4.875	1.1/2 X 12	1.608	1.554	1.560	1.562	1.792	2.542	3.292	4.042	4.792	1.4098	

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 listed below 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.

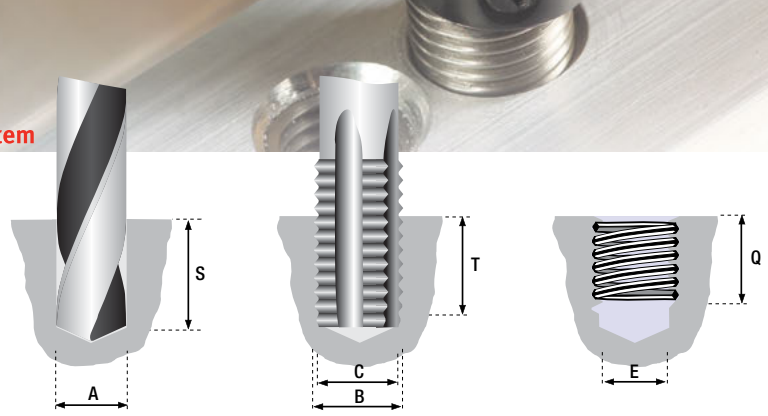
PowerCoil wire thread inserts can be manufactured to different standards upon request. Technical data on these standards can be obtained from our website – www.powercoil.com.au.



Nominal Thread Size	INSERT SPECIFICATIONS – FREE RUNNING – MIL SPEC																Nominal Thread Size	
	Q Nominal Length – installed					Free Coil Diameter		Number of Free Coils ± 1/4 coil counted 90° from Tang										
	1D	1.5D	2D	2.5D	3D	Min	Max	1D		1.5D		2D		2.5D		3D		
	inch	inch	inch	inch	inch	inch	inch	Min	Max	Min	Max	Min	Max	Min	Max	Min		Max
UNC																		
2G X 56	0.086	0.129	0.172	0.215	0.258	0.11	0.12	2.80	3.10	4.80	5.40	6.90	7.80	9.00	10.10	11.10	12.50	2G X 56
3G X 48	0.099	0.148	0.198	0.247	0.297	0.12	0.14	2.80	3.20	4.90	5.50	7.00	7.90	9.00	10.30	11.20	12.70	3G X 48
4G X 40	0.112	0.168	0.224	0.280	0.336	0.14	0.16	2.40	2.80	4.30	4.90	6.20	7.10	8.10	9.20	10.00	11.40	4G X 40
5G X 40	0.125	0.187	0.250	0.312	0.375	0.16	0.17	2.90	3.30	5.00	5.70	7.20	8.10	9.30	10.50	11.50	13.00	5G X 40
6G X 32	0.138	0.207	0.276	0.345	0.414	0.18	0.19	2.40	2.70	4.30	4.80	6.20	7.00	8.20	9.10	10.10	11.20	6G X 32
8G X 32	0.164	0.246	0.328	0.410	0.492	0.20	0.22	3.20	3.50	5.50	6.10	7.80	8.60	10.10	11.20	12.40	13.70	8G X 32
10G X 24	0.190	0.285	0.380	0.475	0.570	0.24	0.26	2.60	2.80	4.60	5.00	6.70	7.20	8.70	9.40	10.70	11.60	10G X 24
12G X 24	0.216	0.324	0.432	0.540	0.648	0.27	0.28	3.20	3.50	5.60	6.00	7.90	8.50	10.30	11.00	12.60	13.50	12G X 24
1/4 X 20	0.250	0.375	0.500	0.625	0.750	0.31	0.33	3.10	3.30	5.30	5.70	7.60	8.10	9.90	10.50	12.10	13.00	1/4 X 20
5/16 X 18	0.312	0.469	0.625	0.781	0.937	0.38	0.40	3.70	3.90	6.30	6.70	8.90	9.50	11.50	12.20	14.10	15.00	5/16 X 18
3/8 X 16	0.375	0.562	0.750	0.937	1.125	0.45	0.47	4.10	4.30	6.80	7.20	9.60	10.10	12.40	13.10	15.20	16.00	3/8 X 16
7/16 X 14	0.437	0.656	0.875	1.094	1.312	0.52	0.55	4.10	4.40	7.00	7.40	9.80	10.40	12.60	13.40	15.50	16.30	7/16 X 14
1/2 X 13	0.500	0.750	1.000	1.250	1.500	0.59	0.62	4.50	4.80	7.50	8.00	10.60	11.10	13.60	14.30	16.60	17.50	1/2 X 13
9/16 X 12	0.562	0.844	1.125	1.406	1.687	0.66	0.69	4.80	5.00	7.90	8.40	11.10	11.70	14.20	15.00	17.40	18.30	9/16 X 12
5/8 X 11	0.625	0.937	1.250	1.562	1.875	0.74	0.77	4.90	5.10	8.10	8.50	11.30	11.90	14.50	15.20	17.70	18.60	5/8 X 11
3/4 X 10	0.750	1.125	1.500	1.875	2.250	0.87	0.91	5.50	5.80	9.00	9.50	12.60	13.10	16.10	16.80	19.60	20.50	3/4 X 10
7/8 X 9	0.875	1.312	1.750	2.187	2.625	1.01	1.05	5.90	6.20	9.60	10.00	13.30	13.90	17.00	17.80	20.70	21.70	7/8 X 9
1 X 8	1.000	1.500	2.000	2.500	3.000	1.15	1.20	6.00	6.30	9.80	10.20	13.60	14.20	17.30	18.10	21.10	22.00	1 X 8
1.1/8 X 7	1.125	1.687	2.250	2.812	3.375	1.30	1.36	5.90	6.20	9.60	10.10	13.30	14.00	17.00	17.90	20.70	21.80	1.1/8 X 7
1.1/4 X 7	1.250	1.875	2.500	3.125	3.750	1.42	1.48	6.70	7.10	10.90	11.40	15.00	15.80	19.20	20.10	23.30	24.40	1.1/4 X 7
1.3/8 X 6	1.375	2.062	2.750	3.437	4.125	1.58	1.64	6.20	6.50	10.10	10.60	14.00	14.60	17.80	18.70	21.70	22.70	1.3/8 X 6
1.1/2 X 6	1.500	2.250	3.000	3.750	4.500	1.70	1.77	6.90	7.30	11.20	11.70	15.40	16.10	19.60	20.60	23.90	25.00	1.1/2 X 6
INSERT SPECIFICATIONS – FREE RUNNING – REDUCED DIAMETER																		
UNF																		
2G X 64	0.086	0.129	0.172	0.215	0.258	0.11	0.12	3.40	3.70	5.80	6.30	8.20	8.90	10.50	11.60	12.90	14.20	2G X 64
3G X 56	0.099	0.148	0.198	0.247	0.297	0.12	0.15	3.10	3.70	5.20	6.40	7.40	9.00	9.60	11.60	11.80	14.30	3G X 56
4G X 48	0.112	0.168	0.224	0.280	0.336	0.14	0.16	3.20	3.70	5.40	6.40	7.60	9.00	9.80	11.60	12.10	14.20	4G X 48
5G X 44	0.125	0.187	0.250	0.312	0.375	0.16	0.17	3.40	3.70	5.80	6.30	8.20	8.90	10.60	11.50	13.00	14.20	5G X 44
6G X 40	0.138	0.207	0.276	0.345	0.414	0.17	0.19	3.20	3.70	5.50	6.30	7.80	9.00	10.10	11.60	12.40	14.20	6G X 40
8G X 36	0.164	0.246	0.328	0.410	0.492	0.20	0.22	3.60	4.10	6.10	6.90	8.60	9.70	11.10	12.50	13.60	15.30	8G X 36
10G X 32	0.190	0.285	0.380	0.475	0.570	0.23	0.26	3.80	4.30	6.40	7.20	9.00	10.10	11.60	13.00	14.20	15.90	10G X 32
12G X 28	0.216	0.324	0.432	0.540	0.648	0.262	0.284	4.00	4.50	7.00	7.50	10.00	10.50	13.00	13.50	16.00	16.50	12G X 28
1/4 X 28	0.250	0.375	0.500	0.625	0.750	0.30	0.33	4.70	5.20	7.70	8.50	10.80	11.90	13.80	15.20	16.90	18.60	1/4 X 28
5/16 X 24	0.312	0.469	0.625	0.781	0.937	0.37	0.40	5.10	5.60	8.50	9.20	11.70	12.80	15.00	16.40	18.30	20.00	5/16 X 24
3/8 X 24	0.375	0.562	0.750	0.937	1.125	0.43	0.47	6.50	7.10	10.50	11.40	14.50	15.80	18.50	20.10	22.50	24.50	3/8 X 24
7/16 X 20	0.437	0.656	0.875	1.094	1.312	0.51	0.55	6.30	6.90	10.20	11.10	14.00	15.30	17.90	19.50	21.70	23.70	7/16 X 20
1/2 X 20	0.500	0.750	1.000	1.250	1.500	0.57	0.62	7.40	8.10	11.90	12.90	16.30	17.80	20.80	22.60	25.20	27.50	1/2 X 20
9/16 X 18	0.562	0.844	1.125	1.406	1.687	0.64	0.69	7.60	8.30	12.20	13.30	16.80	18.20	21.30	23.10	25.90	28.10	9/16 X 18
5/8 X 18	0.625	0.937	1.250	1.562	1.875	0.70	0.76	8.70	9.40	13.80	14.90	18.90	20.50	24.00	26.00	29.10	31.50	5/8 X 18
3/4 X 16	0.750	1.125	1.500	1.875	2.250	0.84	0.90	9.30	10.10	14.70	15.90	20.10	21.70	25.50	27.60	30.90	33.40	3/4 X 16
7/8 X 14	0.875	1.312	1.750	2.187	2.625	0.98	1.05	9.60	10.30	15.10	16.30	20.60	22.20	26.10	28.20	31.60	34.20	7/8 X 14
1 X 12	1.000	1.500	2.000	2.500	3.000	1.12	1.20	9.40	10.10	14.80	16.00	20.30	21.80	25.70	27.70	31.10	33.50	1 X 12
1 X 14	1.000	1.500	2.000	2.500	3.000	1.10	1.19	11.20	12.10	17.50	18.90	23.80	25.70	30.10	32.50	36.40	39.40	1 X 14
1.1/8 X 12	1.125	1.687	2.250	2.812	3.375	1.25	1.33	10.80	11.60	16.90	18.20	23.00	24.80	29.20	31.40	35.30	38.00	1.1/8 X 12
1.1/4 X 12	1.250	1.875	2.500	3.125	3.750	1.37	1.47	12.20	13.10	19.00	20.40	25.80	27.80	32.70	35.10	39.50	42.50	1.1/4 X 12
1.3/8 X 12	1.375	2.062	2.750	3.437	4.125	1.50	1.61	13.50	14.60	21.00	22.70	28.50	30.80	36.00	38.80	43.50	46.90	1.3/8 X 12
1.1/2 X 12	1.500	2.250	3.000	3.750	4.500	1.62	1.75	14.90	16.10	23.10	24.90	31.30	33.70	39.50	42.60	47.70	51.40	1.1/2 X 12

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 may be reduced by an amount equal to 2 thread pitches. Any countersink depths must be added to these dimensions.

* B Major Diameter is listed for tap identification only. Slight variance of this dimension is expected and has no bearing on correct fit and tolerance of the wire thread after installation.



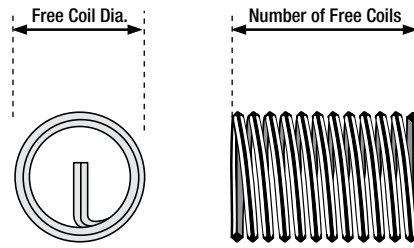
Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS										E Fitted Minor Dia.
	Drill				S Min. Drilling Depth Inter/Plug Tap						B Major Dia. *	C Pitch Diameter			T Minimum Tapping Depth						
	Size	A Minor Dia.	1D	1.5D	2D	2.5D	3D	Min	Close			Medium	1D	1.5D	2D	2.5D	3D				
mm	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch				
BSW										BSW											
1/8 X 40	3.40	#30	0.129	0.135	0.237	0.300	0.362	0.425	0.487	1/8 X 40	0.155	0.1410	0.1420	0.1430	0.212	0.275	0.337	0.400	0.462	0.0930	
3/16 X 24	5.00	13/64	0.196	0.202	0.375	0.469	0.562	0.656	0.750	3/16 X 24	0.237	0.2142	0.2154	0.2166	0.333	0.427	0.521	0.614	0.708	0.1341	
1/4 X 20	6.70	17/64	0.261	0.267	0.475	0.600	0.725	0.850	0.975	1/4 X 20	0.309	0.2820	0.2836	0.2849	0.425	0.550	0.675	0.800	0.925	0.1860	
5/16 X 18	8.30	21/64	0.328	0.334	0.562	0.718	0.875	1.031	1.187	5/16 X 18	0.378	0.3480	0.3498	0.3512	0.507	0.663	0.819	0.975	1.132	0.2413	
3/8 X 16	10.00	25/64	0.390	0.398	0.656	0.844	1.031	1.219	1.406	3/8 X 16	0.448	0.4150	0.4170	0.4185	0.594	0.781	0.969	1.156	1.344	0.2950	
7/16 X 14	11.60	29/64	0.453	0.463	0.758	0.977	1.196	1.415	1.633	7/16 X 14	0.521	0.4833	0.4855	0.4871	0.687	0.906	1.125	1.344	1.562	0.3461	
1/2 X 12	13.00	33/64	0.515	0.525	0.875	1.125	1.375	1.625	1.875	1/2 X 12	0.597	0.5533	0.5557	0.5575	0.792	1.042	1.292	1.542	1.792	0.3932	
9/16 X 12	14.80	37/64	0.578	0.588	0.937	1.219	1.500	1.781	2.062	9/16 X 12	0.660	0.6158	0.6184	0.6201	0.854	1.135	1.417	1.698	1.979	0.4557	
5/8 X 11	16.70	21/32	0.653	0.663	1.034	1.347	1.659	1.972	2.284	5/8 X 11	0.731	0.6832	0.6859	0.6878	0.943	1.256	1.568	1.881	2.193	0.5086	
3/4 X 10	20.00	25/32	0.781	0.791	1.200	1.575	1.950	2.325	2.700	3/4 X 10	0.867	0.8141	0.8171	0.8191	1.100	1.475	1.850	2.225	2.600	0.6220	
7/8 X 9	23.20	29/32	0.906	0.916	1.375	1.812	2.250	2.687	3.125	7/8 X 9	1.005	0.9462	0.9495	0.9516	1.264	1.701	2.139	2.576	3.014	0.7328	
1 X 8	26.50	1.1/32	1.031	1.044	1.562	2.062	2.562	3.062	3.562	1 X 8	1.146	1.0801	1.0836	1.0859	1.437	1.937	2.437	2.937	3.437	0.8400	
1.1/8 X 7	30.00	1.11/64	1.171	1.186	1.768	2.330	2.893	3.455	4.018	1.1/8 X 7	1.291	1.2165	1.2203	1.2227	1.625	2.187	2.750	3.312	3.875	0.9420	
1.1/4 X 7	33.00	1.19/64	1.296	1.311	1.893	2.518	3.143	3.768	4.393	1.1/4 X 7	1.416	1.3415	1.3454	1.3479	1.750	2.375	3.000	3.625	4.250	1.0670	
1.1/2 X 6	39.50	1.35/64	1.546	1.571	2.250	3.000	3.750	4.500	5.250	1.1/2 X 6	1.694	1.6067	1.6110	1.6137	2.083	2.833	3.583	4.333	5.083	1.2866	
BSF										BSF											
3/16 X 32	5.00	13/64	0.192	0.198	0.328	0.422	0.515	0.609	0.703	3/16 X 32	0.225	0.2075	0.2087	0.2098	0.297	0.390	0.484	0.578	0.672	0.1475	
1/4 X 26	6.60	17/64	0.257	0.264	0.423	0.548	0.673	0.798	0.923	1/4 X 26	0.296	0.2747	0.2762	0.2774	0.385	0.510	0.635	0.760	0.885	0.2008	
5/16 X 22	8.30	21/64	0.323	0.330	0.517	0.673	0.829	0.986	1.142	5/16 X 22	0.366	0.3416	0.3433	0.3447	0.472	0.628	0.784	0.940	1.096	0.2543	
3/8 X 20	9.80	25/64	0.385	0.392	0.600	0.787	0.975	1.162	1.350	3/8 X 20	0.434	0.4070	0.4089	0.4104	0.550	0.737	0.925	1.112	1.300	0.3110	
7/16 X 18	11.60	29/64	0.450	0.458	0.687	0.906	1.124	1.343	1.562	7/16 X 18	0.503	0.4730	0.4751	0.4767	0.632	0.851	1.069	1.288	1.507	0.3663	
1/2 X 16	13.20	33/64	0.513	0.522	0.781	1.031	1.281	1.531	1.781	1/2 X 16	0.574	0.5400	0.5423	0.5440	0.719	0.969	1.219	1.469	1.719	0.4200	
9/16 X 16	14.80	37/64	0.577	0.586	0.844	1.125	1.406	1.687	1.969	9/16 X 16	0.636	0.6025	0.6049	0.6067	0.781	1.062	1.344	1.625	1.906	0.4825	
5/8 X 14	16.30	41/64	0.640	0.649	0.946	1.259	1.571	1.884	2.196	5/8 X 14	0.709	0.6708	0.6734	0.6752	0.875	1.187	1.500	1.812	2.125	0.5336	
3/4 X 12	19.50	49/64	0.765	0.775	1.125	1.500	1.875	2.250	2.625	3/4 X 12	0.848	0.8033	0.8062	0.8082	1.042	1.417	1.792	2.167	2.542	0.6432	
7/8 X 11	22.80	57/64	0.890	0.900	1.284	1.722	2.159	2.596	3.034	7/8 X 11	0.982	0.9332	0.9364	0.9384	1.193	1.631	2.068	2.506	2.943	0.7586	
1 X 10	26.20	1.1/32	1.031	1.044	1.450	1.950	2.450	2.950	3.450	1 X 10	1.117	1.0641	1.0675	1.0697	1.350	1.850	2.350	2.850	3.350	0.8720	
1.1/8 X 9	29.50	1.5/32	1.156	1.170	1.625	2.187	2.750	3.312	3.875	1.1/8 X 9	1.255	1.1962	1.1998	1.2021	1.514	2.076	2.639	3.201	3.764	0.9828	
1.1/4 X 9	32.50	1.9/32	1.281	1.295	1.750	2.375	3.000	3.625	4.250	1.1/4 X 9	1.380	1.3212	1.3250	1.3274	1.639	2.264	2.889	3.514	4.139	1.1078	
1.3/8 X 8	36.00	1.13/32	1.406	1.420	1.937	2.625	3.312	4.000	4.687	1.3/8 X 8	1.521	1.4551	1.4591	1.4616	1.812	2.500	3.187	3.875	4.562	1.2150	
1.1/2 X 8	39.00	1.17/32	1.531	1.545	2.062	2.812	3.562	4.312	5.062	1.1/2 X 8	1.646	1.5801	1.5843	1.5868	1.937	2.687	3.437	4.187	4.937	1.3400	
BSP										BSP											
1/8 X 28	10.00	25/64	0.390	0.400	0.286	0.348	0.411	0.437	0.536	1/8 X 28	0.426	0.4058	0.4076	0.4090	0.250	0.312	0.375	0.437	0.500	0.3372	
1/4 X 19	13.60	17/32	0.530	0.540	0.487	0.612	0.737	0.862	0.987	1/4 X 19	0.580	0.5517	0.5539	0.5556	0.434	0.559	0.684	0.809	0.934	0.4506	
3/8 X 19	17.10	43/64	0.670	0.680	0.612	0.799	0.987	1.174	1.362	3/8 X 19	0.718	0.6897	0.6920	0.6937	0.559	0.747	0.934	1.122	1.309	0.5886	
1/2 X 14	21.50	27/32	0.840	0.850	0.821	1.071	1.321	1.571	1.821	1/2 X 14	0.909	0.8708	0.8735	0.8754	0.750	1.000	1.250	1.500	1.750	0.7336	
5/8 X 14	23.40	59/64	0.915	0.927	0.946	1.258	1.571	1.883	2.196	5/8 X 14	0.986	0.9478	0.9506	0.9524	0.875	1.187	1.500	1.812	2.125	0.8106	
3/4 X 14	27.00	1.1/16	1.053	1.066	1.071	1.446	1.821	2.196	2.571	3/4 X 14	1.126	1.0868	1.0898	1.0918	1.000	1.375	1.750	2.125	2.500	0.9496	
7/8 X 14	30.50	1.13/64	1.200	1.213	1.196	1.634	2.071	2.509	2.946	7/8 X 14	1.274	1.2348	1.2378	1.2399	1.125	1.562	2.000	2.437	2.875	1.0976	
1 X 11	33.70	1.21/64	1.320	1.335	1.409	1.909	2.409	2.909	3.409	1 X 11	1.416	1.3673	1.3705	1.3727	1.318	1.818	2.318	2.818	3.318	1.1926	
1.1/4 X 11	42.50	1.43/64	1.665	1.680	1.660	2.284	2.909	3.534	4.159	1.1/4 X 11	1.757	1.7083	1.7118	1.7141	1.568	2.193	2.818	3.443	4.068	1.5336	
1.1/2 X 11	48.50	1.29/32	1.906	1.921	1.909	2.659	3.409	4.159	4.909	1.1/2 X 11	1.989	1.9403	1.9440	1.9464	1.818	2.568	3.318	4.068	4.818	1.7656	

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 listed below 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.

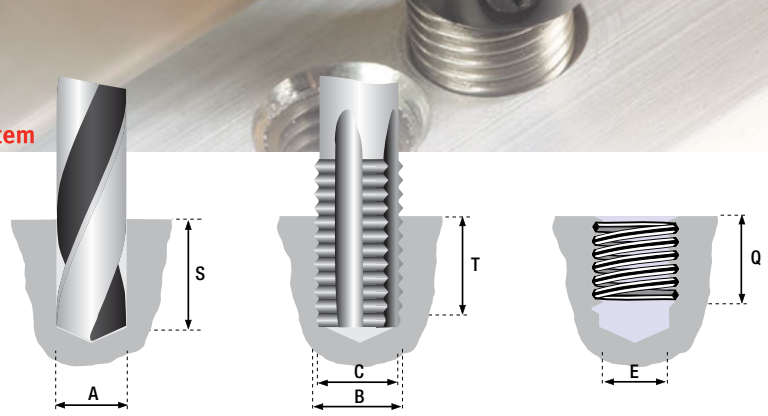
PowerCoil wire thread inserts can be manufactured to different standards upon request. Technical data on these standards can be obtained from our website – www.powercoil.com.au.



Nominal Thread Size	INSERT SPECIFICATIONS – FREE RUNNING – REDUCED DIAMETER																Nominal Thread Size	
	Q Nominal Length – installed					Free Coil Diameter		Number of Free Coils ± 1/4 coil counted 90° from Tang										
	1D	1.5D	2D	2.5D	3D	Min	Max	1D		1.5D		2D		2.5D		3D		
	inch	inch	inch	inch	inch	inch	inch	Min	Max	Min	Max	Min	Max	Min	Max	Min		Max
BSW																	BSW	
1/8 X 40	0.125	0.187	0.250	0.312	0.375	0.15	0.17	3.00	3.40	5.10	5.80	7.30	8.40	9.40	10.90	11.60	13.40	1/8 X 40
3/16 X 24	0.187	0.281	0.375	0.469	0.562	0.23	0.26	2.60	2.90	4.60	5.10	6.60	7.40	8.70	9.70	10.70	11.90	3/16 X 24
1/4 X 20	0.250	0.375	0.500	0.625	0.750	0.31	0.33	3.10	3.40	5.40	5.90	7.70	8.50	9.90	11.00	12.20	13.50	1/4 X 20
5/16 X 18	0.312	0.469	0.625	0.781	0.937	0.37	0.40	3.80	4.10	6.40	6.90	9.00	9.80	11.60	12.60	14.20	15.50	5/16 X 18
3/8 X 16	0.375	0.562	0.750	0.937	1.125	0.44	0.47	4.10	4.40	6.90	7.40	9.70	10.50	12.50	13.50	15.30	16.50	3/8 X 16
7/16 X 14	0.437	0.656	0.875	1.094	1.312	0.52	0.55	4.20	4.60	7.10	7.60	9.90	10.70	12.80	13.80	15.60	16.90	7/16 X 14
1/2 X 12	0.500	0.750	1.000	1.250	1.500	0.59	0.63	4.10	4.50	7.00	7.40	9.80	10.50	12.60	13.60	15.40	16.60	1/2 X 12
9/16 X 12	0.562	0.844	1.125	1.406	1.687	0.65	0.69	4.90	5.20	8.00	8.60	11.20	12.00	14.40	15.40	17.60	18.80	9/16 X 12
5/8 X 11	0.625	0.937	1.250	1.562	1.875	0.72	0.77	5.00	5.30	8.20	8.70	11.50	12.20	14.70	15.70	17.90	19.20	5/8 X 11
3/4 X 10	0.750	1.125	1.500	1.875	2.250	0.86	0.90	5.60	6.00	9.20	9.70	12.70	13.50	16.30	17.30	19.80	21.10	3/4 X 10
7/8 X 9	0.875	1.312	1.750	2.187	2.625	0.99	1.05	6.00	6.30	9.70	10.20	13.40	14.30	17.10	18.20	20.90	22.20	7/8 X 9
1 X 8	1.000	1.500	2.000	2.500	3.000	1.13	1.20	6.10	6.50	9.90	10.40	13.70	14.50	17.50	18.60	21.20	22.60	1 X 8
1.1/8 X 7	1.125	1.687	2.250	2.812	3.375	1.28	1.35	5.90	6.30	9.60	10.20	13.40	14.30	17.10	18.20	20.80	22.20	1.1/8 X 7
1.1/4 X 7	1.250	1.875	2.500	3.125	3.750	1.40	1.48	6.80	7.20	10.90	11.60	15.00	16.00	19.20	20.40	23.30	24.90	1.1/4 X 7
1.1/2 X 6	1.500	2.250	3.000	3.750	4.500	1.68	1.78	7.00	7.50	11.30	11.90	15.50	16.50	19.80	21.10	24.00	25.60	1.1/2 X 6
BSF																	BSF	
3/16 X 32	0.187	0.281	0.375	0.469	0.562	0.23	0.25	3.90	4.30	6.50	7.20	9.20	10.20	11.90	13.10	14.50	16.00	3/16 X 32
1/4 X 26	0.250	0.375	0.500	0.625	0.750	0.30	0.33	4.30	4.80	7.10	7.90	9.90	11.20	12.70	14.40	15.60	17.50	1/4 X 26
5/16 X 22	0.312	0.469	0.625	0.781	0.937	0.37	0.40	4.70	5.20	7.70	8.50	10.70	11.90	13.80	15.30	16.80	18.70	5/16 X 22
3/8 X 20	0.375	0.562	0.750	0.937	1.125	0.44	0.48	5.30	5.80	8.60	9.40	12.00	13.20	15.30	16.90	18.70	20.50	3/8 X 20
7/16 X 18	0.437	0.656	0.875	1.094	1.312	0.51	0.56	5.60	6.20	9.10	10.00	12.60	13.90	16.10	17.80	19.60	21.60	7/16 X 18
1/2 X 16	0.500	0.750	1.000	1.250	1.500	0.58	0.63	5.70	6.30	9.30	10.20	12.90	14.20	16.50	18.10	20.00	22.00	1/2 X 16
9/16 X 16	0.562	0.844	1.125	1.406	1.687	0.64	0.70	6.60	7.30	10.60	11.70	14.70	16.10	18.70	20.60	22.70	25.00	9/16 X 16
5/8 X 14	0.625	0.937	1.250	1.562	1.875	0.72	0.77	6.50	7.10	10.40	11.30	14.30	15.70	18.30	20.00	22.20	24.30	5/8 X 14
3/4 X 12	0.750	1.125	1.500	1.875	2.250	0.86	0.92	6.70	7.30	10.80	11.70	14.90	16.20	19.00	20.70	23.00	25.10	3/4 X 12
7/8 X 11	0.875	1.312	1.750	2.187	2.625	0.99	1.07	7.20	7.90	11.60	12.60	15.90	17.40	20.30	22.10	24.60	26.90	7/8 X 11
1 X 10	1.000	1.500	2.000	2.500	3.000	1.13	1.22	7.60	8.30	12.10	13.20	16.60	18.10	21.20	23.10	25.70	28.00	1 X 10
1.1/8 X 9	1.125	1.687	2.250	2.812	3.375	1.27	1.37	7.80	8.40	12.30	13.30	17.00	18.40	21.50	23.40	26.10	28.40	1.1/8 X 9
1.1/4 X 9	1.250	1.875	2.500	3.125	3.750	1.39	1.50	8.80	9.50	13.90	15.00	19.00	20.60	24.20	26.20	29.30	31.70	1.1/4 X 9
1.3/8 X 8	1.375	2.062	2.750	3.437	4.125	1.54	1.66	8.50	9.30	13.50	14.60	18.50	20.10	23.50	25.50	28.50	31.00	1.3/8 X 8
1.1/2 X 8	1.500	2.250	3.000	3.750	4.500	1.66	1.81	9.40	10.30	14.80	16.10	20.10	22.10	25.50	28.00	30.90	33.90	1.1/2 X 8
BSP																	BSP	
1/8 X 28	0.125	0.187	0.250	0.312	0.375	0.43	0.47	1.70	1.90	3.20	3.60	4.80	5.30	6.40	7.00	7.90	8.80	1/8 X 28
1/4 X 19	0.250	0.375	0.500	0.625	0.750	0.59	0.64	2.80	3.10	5.00	5.40	7.10	7.80	9.20	10.10	11.40	12.50	1/4 X 19
3/8 X 19	0.375	0.562	0.750	0.937	1.125	0.73	0.79	5.00	5.50	8.20	8.90	11.40	12.50	14.60	16.00	17.90	19.50	3/8 X 19
1/2 X 14	0.500	0.750	1.000	1.250	1.500	0.92	0.99	4.90	5.30	8.10	8.80	11.20	12.20	14.40	15.70	17.60	19.10	1/2 X 14
5/8 X 14	0.625	0.937	1.250	1.562	1.875	1.00	1.08	6.50	7.10	10.40	11.30	14.40	15.70	18.40	20.00	22.30	24.30	5/8 X 14
3/4 X 14	0.750	1.125	1.500	1.875	2.250	1.14	1.23	8.10	8.80	12.90	13.90	17.60	19.20	22.40	24.30	27.20	29.50	3/4 X 14
7/8 X 14	0.875	1.312	1.750	2.187	2.625	1.29	1.39	9.70	10.50	15.30	16.50	20.80	22.60	26.40	28.70	32.00	34.70	7/8 X 14
1 X 11	1.000	1.500	2.000	2.500	3.000	1.43	1.54	8.60	9.30	13.60	14.70	18.60	20.10	23.60	25.60	28.60	31.00	1 X 11
1.1/4 X 11	1.250	1.875	2.500	3.125	3.750	1.77	1.91	11.10	12.00	17.40	18.70	23.70	25.60	30.00	32.40	36.20	39.20	1.1/4 X 11
1.1/2 X 11	1.500	2.250	3.000	3.750	4.500	2.01	2.16	13.60	14.70	21.20	22.80	28.70	31.00	36.30	39.20	43.80	47.30	1.1/2 X 11

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 may be reduced by an amount equal to 2 thread pitches. Any countersink depths must be added to these dimensions.

* B Major Diameter is listed for tap identification only. Slight variance of this dimension is expected and has no bearing on correct fit and tolerance of the wire thread after installation.



Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS							E Fitted Minor Dia.	
	Drill				S Min. Drilling Depth Inter/Plug Tap						B Major Dia. *	C Pitch Diameter		T Minimum Tapping Depth					
	Size		A Minor Dia.		1D	1.5D	2D	2.5D	3D			Minimum	Normal	1D	1.5D	2D	2.5D		3D
	mm	inch	inch	inch	inch	inch	inch	inch	inch			inch	inch	inch	inch	inch	inch		inch
BA										BA									
6BA	2.90	#33	0.113	0.116	0.204	0.259	0.314	0.369	0.424	6BA	0.134	0.1226	0.1252	0.183	0.238	0.293	0.348	0.404	0.0850
5BA	3.40	#29	0.129	0.135	0.230	0.293	0.356	0.419	0.482	5BA	0.152	0.1399	0.1426	0.207	0.270	0.333	0.396	0.459	0.0980
4BA	3.80	#25	0.147	0.152	0.259	0.329	0.400	0.471	0.542	4BA	0.171	0.1574	0.1605	0.233	0.303	0.374	0.445	0.516	0.1106
3BA	4.30	11/64	0.166	0.171	0.291	0.371	0.452	0.533	0.613	3BA	0.194	0.1786	0.1821	0.262	0.343	0.423	0.504	0.585	0.1268
2BA	4.90	#10	0.191	0.196	0.328	0.421	0.513	0.606	0.698	2BA	0.221	0.2042	0.2079	0.297	0.389	0.482	0.574	0.667	0.1468
1BA	5.50	7/32	0.213	0.220	0.368	0.472	0.576	0.681	0.785	1BA	0.249	0.2299	0.2342	0.333	0.437	0.541	0.646	0.750	0.1661
0BA	6.20	C	0.241	0.246	0.413	0.531	0.649	0.768	0.886	0BA	0.281	0.2598	0.2645	0.374	0.492	0.610	0.728	0.846	0.1890
BSC										BSC									
3/16 X 32	5.10	13/64	0.195	0.205	0.330	0.420	0.520	0.610	0.700	3/16 X 32	0.232	0.2136	0.2112	0.300	0.390	0.480	0.580	0.670	0.1543
1/4 X 26	6.60	17/64	0.258	0.270	0.420	0.550	0.670	0.800	0.920	1/4 X 26	0.304	0.2817	0.2790	0.380	0.510	0.630	0.760	0.880	0.2090
5/16 X 26	8.00	5/16	0.320	0.332	0.490	0.640	0.800	0.950	1.110	5/16 X 26	0.367	0.3444	0.3415	0.450	0.600	0.760	0.920	1.070	0.2715
3/8 X 26	9.80	25/64	0.383	0.395	0.550	0.740	0.920	1.110	1.300	3/8 X 26	0.429	0.4070	0.4040	0.510	0.700	0.880	1.070	1.260	0.3340
7/16 X 26	11.10	7/16	0.446	0.457	0.610	0.830	1.050	1.270	1.490	7/16 X 26	0.492	0.4697	0.4665	0.570	0.790	1.010	1.230	1.450	0.3965
1/2 X 26	12.70	1/2	0.508	0.520	0.670	0.920	1.170	1.420	1.670	1/2 X 26	0.554	0.5323	0.5290	0.630	0.880	1.130	1.380	1.630	0.4590
9/16 X 26	14.75	37/64	0.571	0.582	0.740	1.020	1.300	1.580	1.860	9/16 X 26	0.617	0.5945	0.5915	0.700	0.980	1.260	1.540	1.820	0.5215
5/8 X 26	16.30	41/64	0.633	0.645	0.800	1.110	1.420	1.740	2.050	5/8 X 26	0.679	0.6575	0.6540	0.760	1.070	1.380	1.700	2.010	0.5840
3/4 X 26	19.50	49/64	0.758	0.769	0.920	1.300	1.670	2.050	2.420	3/4 X 26	0.804	0.7827	0.7790	0.880	1.260	1.630	2.010	2.380	0.7090
1 X 24	25.75	1.1/64	1.009	1.020	1.190	1.690	2.190	2.690	3.190	1 X 24	1.059	1.0355	1.0314	1.150	1.650	2.150	2.650	3.150	0.9556

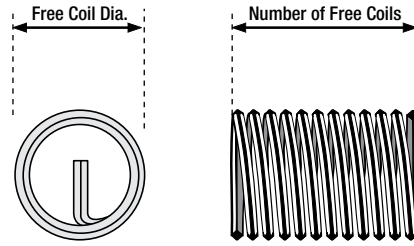
Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS							E Fitted Minor Dia.		
	Drill				S Min. Drilling Depth Inter/Plug Tap						B Major Dia. *	C Pitch Dia.		Tap Std.	T Minimum Tapping Depth					
	Size		A Minor Dia.		1D	1.5D	2D	2.5D	3D			Min	3B		1D	1.5D	2D		2.5D	3D
	mm	inch	inch	inch	inch	inch	inch	inch	inch			inch	inch		inch	inch	inch		inch	inch
8-UN										8-UN										
1.1/8 X 8	28.50	1.1/8	1.130	1.155	1.690	2.250	2.810	3.380	3.940	1.1/8 X 8	1.261	1.1688	1.1757	1.1/4	1.560	2.130	2.690	3.250	3.810	-
1.1/4 X 8	32.00	1.1/4	1.255	1.280	1.810	2.440	3.060	3.690	4.310	1.1/4 X 8	1.386	1.2938	1.3008	1.3/8	1.690	2.310	2.940	3.560	4.190	-
1.3/8 X 8	35.00	1.3/8	1.380	1.405	1.940	2.620	3.310	4.000	4.690	1.3/8 X 8	1.511	1.4188	1.4259	1.1/2	1.810	2.500	3.190	3.880	4.560	-
1.1/2 X 8	38.00	1.1/2	1.505	1.530	2.060	2.810	3.560	4.310	5.060	1.1/2 X 8	1.636	1.5438	1.5510	1.5/8	1.940	2.690	3.440	4.190	4.940	-
1.5/8 X 8	41.00	1.5/8	1.630	1.655	2.190	3.000	3.810	4.630	5.440	1.5/8 X 8	1.761	1.6688	1.6762	1.3/4	2.060	2.880	3.690	4.500	5.310	-
1.3/4 X 8	44.50	1.3/4	1.755	1.780	2.310	3.190	4.060	4.940	5.810	1.3/4 X 8	1.886	1.7938	1.8013	1.7/8	2.190	3.060	3.940	4.810	5.690	-
1.7/8 X 8	47.50	1.7/8	1.880	1.905	2.440	3.370	4.310	5.250	6.190	1.7/8 X 8	2.011	1.9188	1.9264	2	2.310	3.250	4.190	5.130	6.060	-
2 X 8	50.80	2	2.005	2.030	2.560	3.560	4.560	5.560	6.560	2 X 8	2.136	2.0438	2.0515	2.1/8	2.440	3.440	4.440	5.440	6.440	-

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 listed below 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.

PowerCoil wire thread inserts can be manufactured to different standards upon request. Technical data on these standards can be obtained from our website – www.powercoil.com.au.



Nominal Thread Size	INSERT SPECIFICATIONS – FREE RUNNING – REDUCED DIAMETER																Nominal Thread Size	
	Q Nominal Length – installed					Free Coil Diameter		Number of Free Coils ± 1/4 coil counted 90° from Tang										
	1D	1.5D	2D	2.5D	3D	Min	Max	1D		1.5D		2D		2.5D		3D		
	inch	inch	inch	inch	inch	inch	inch	Min	Max	Min	Max	Min	Max	Min	Max	Min		Max
BA																	BA	
6BA	0.110	0.165	0.220	0.275	0.331	0.14	0.15	3.30	3.60	5.60	6.20	7.90	8.70	10.20	11.20	12.50	13.80	6BA
5BA	0.126	0.189	0.252	0.315	0.378	0.15	0.17	3.40	3.80	5.80	6.40	8.10	9.00	10.50	11.60	12.90	14.20	5BA
4BA	0.142	0.212	0.283	0.354	0.425	0.17	0.19	3.50	3.80	5.80	6.40	8.20	9.10	10.60	11.70	13.00	14.40	4BA
3BA	0.161	0.242	0.323	0.403	0.484	0.20	0.21	3.60	3.90	6.00	6.70	8.50	9.40	10.90	12.10	13.40	14.80	3BA
2BA	0.185	0.277	0.370	0.462	0.555	0.22	0.24	3.80	4.20	6.30	6.90	8.80	9.80	11.40	12.60	13.90	15.40	2BA
1BA	0.209	0.313	0.417	0.522	0.626	0.25	0.27	3.80	4.20	6.40	7.10	9.00	9.90	11.60	12.80	14.10	15.60	1BA
0BA	0.236	0.354	0.472	0.590	0.709	0.28	0.31	3.90	4.30	6.60	7.20	9.20	10.10	11.80	13.00	14.50	16.00	0BA
BSC																	BSC	
3/16 X 32	0.187	0.281	0.375	0.469	0.562	0.23	0.26	3.70	4.10	6.20	6.90	8.70	9.70	11.20	12.50	13.70	15.30	3/16 X 32
1/4 X 26	0.250	0.375	0.500	0.625	0.750	0.31	0.34	4.10	4.60	6.90	7.60	9.60	10.70	12.30	13.80	15.10	16.80	1/4 X 26
5/16 X 26	0.312	0.469	0.625	0.781	0.937	0.37	0.41	5.50	6.20	9.00	10.00	12.50	13.90	16.00	17.80	19.40	21.60	5/16 X 26
3/8 X 26	0.375	0.562	0.750	0.937	1.125	0.43	0.48	7.00	7.80	11.20	12.40	15.40	17.10	19.60	21.70	23.80	26.40	3/8 X 26
7/16 X 26	0.437	0.656	0.875	1.094	1.312	0.50	0.55	8.40	9.40	13.40	14.80	18.30	20.30	23.30	25.80	28.20	31.20	7/16 X 26
1/2 X 26	0.500	0.750	1.000	1.250	1.500	0.56	0.61	9.90	11.00	15.60	17.20	21.20	23.50	26.90	29.80	32.60	36.00	1/2 X 26
9/16 X 26	0.562	0.844	1.125	1.406	1.687	0.62	0.68	11.40	12.60	17.80	19.70	24.20	26.70	30.50	33.80	36.90	40.90	9/16 X 26
5/8 X 26	0.625	0.937	1.250	1.562	1.875	0.69	0.75	12.80	14.20	19.90	22.00	27.10	29.90	34.20	37.80	41.30	45.70	5/8 X 26
3/4 X 26	0.750	1.125	1.500	1.875	2.250	0.81	0.89	15.70	17.40	24.30	26.90	32.90	36.30	41.50	45.80	50.10	55.30	3/4 X 26
1 X 24	1.000	1.500	2.000	2.500	3.000	1.07	1.17	19.80	21.80	30.40	33.50	41.00	45.30	51.60	57.00	62.20	68.70	1 X 24

Nominal Thread Size	INSERT SPECIFICATIONS – FREE RUNNING – REDUCED DIAMETER																Nominal Thread Size	
	Q Nominal Length – installed					Free Coil Diameter		Number of Free Coils ± 1/4 coil counted 90° from Tang										
	1D	1.5D	2D	2.5D	3D	Min	Max	1D		1.5D		2D		2.5D		3D		
	inch	inch	inch	inch	inch	inch	inch	Min	Max	Min	Max	Min	Max	Min	Max	Min		Max
8-UN																	8-UN	
1.1/8 X 8	1.125	1.688	2.250	2.81	3.38	1.25	1.30	7.10	7.50	11.50	12.00	15.80	16.60	20.10	21.10	24.50	25.60	1.1/8 X 8
1.1/4 X 8	1.250	1.875	2.500	3.13	3.75	1.39	1.43	8.10	8.30	12.90	13.30	17.70	18.30	22.60	23.30	27.40	28.20	1.1/4 X 8
1.3/8 X 8	1.375	2.062	2.750	3.44	4.13	1.52	1.57	9.00	9.30	14.30	14.80	19.60	20.20	24.90	25.70	30.20	31.20	1.3/8 X 8
1.1/2 X 8	1.500	2.250	3.000	3.75	4.50	1.65	1.69	10.00	10.30	15.80	16.20	21.50	22.20	27.30	28.10	33.10	34.10	1.1/2 X 8
1.5/8 X 8	1.625	2.438	3.250	4.06	4.88	1.78	1.90	10.50	11.20	16.40	17.70	22.40	24.10	28.40	30.50	34.30	37.00	1.5/8 X 8
1.3/4 X 8	1.750	2.625	3.500	4.38	5.25	1.90	2.04	11.40	12.20	17.80	19.20	24.20	26.10	30.70	33.00	37.10	39.90	1.3/4 X 8
1.7/8 X 8	1.875	2.812	3.750	4.69	5.63	2.03	2.16	12.40	13.20	19.30	20.60	26.20	28.10	33.20	35.50	40.10	42.90	1.7/8 X 8
2 X 8	2.000	3.000	4.000	5.00	6.00	2.16	2.28	13.40	14.20	20.90	22.10	28.40	30.00	35.90	38.00	43.30	45.90	2 X 8

TECHNICAL

METRIC



General Information for MS/NAS Style – 303 CRES Inch and Metric Lokserts:

Insert Material: 303 CRES
 Key Material: 302 CRES
 Finish: Passivated
 Insert Tolerances: ± .010 inch or ± .25mm unless otherwise specified
 Internal Threads: Inch per SAE AS8879, Metric per Fed Std H28/21, MJ Form
 Keys: Inserts with an internal thread size of 5/16 or M8 and greater have 4 locking keys. Smaller sizes have 2 locking keys.

Please note that all Inch inserts conform to:
 • MIL-I-45914A • MS51830, MS51831 • NAS1394, NAS1395
 There is no National Aerospace Standard for Metric keylocking Inserts manufactured from 303CRES. Sales drawings are available upon request.

General Information for Industrial Style Carbon Steel Lokserts:

Insert Material: C1215 or equivalent
 Key Material: 302 CRES or equivalent
 Finish: Zinc Phosphate
 Insert Tolerances: ± .010 inch or ± .25 mm unless otherwise specified.
 Internal Threads: Internal Inch 3B, Internal Metric 5H.
 Keys: Inserts with an internal thread size of 5/16 or M8 and greater have 4 locking keys. Smaller sizes have 2 locking keys.

Please note that there are no industry, MS or NAS specifications with respect to carbon steel keylocking thread inserts. Sales drawings are available upon request.

*** Drill Size**
 Tapping Drill Tolerance:
 Metric 6.90-10.80mm
 +0.130-0.025mm

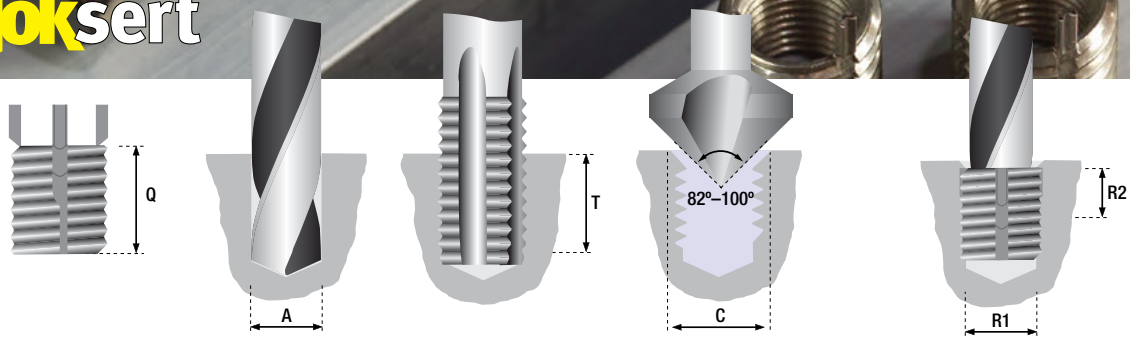
Metric over 12.80mm
 +0.130-0.025mm

Inch 0.234-0.500"
 +0.004-0.001"

Inch over 0.500"
 +0.005-0.001"

† Countersink Diameter
 Countersink Tolerance:
 Metric
 +0.250-0.000mm
 Inch
 +0.010-0.000"

Internal Thread	INSERT SPECIFICATIONS			Internal Thread	DRILL, TAP & COUNTERSINK SPECIFICATIONS				Internal Thread	REMOVAL SPECIFICATIONS	
	External Thread	Q Nominal Length	Installation Tool		A Drill Size*	Tap Size Class 6H	T Minimum Tapping Depth	C Min. Width Countersink†		R1 Drill Size	R2 Minimum Drilling Depth
mm	mm	mm	Part #	mm	mm	mm	mm	mm	mm	mm	
MINIATURE				MINIATURE				MINIATURE			
M2 X 0.4	M4 X 0.7	3.00	3720-2.00MTWT	M2 X 0.4	3.40	M4 X 0.7	4.00	4.10	M2 X 0.4	2.80	2.00
M2.5 X 0.45	M4.5 X 0.75	3.81	3720-2.50MTWT	M2.5 X 0.45	3.90	M4.5 X 0.75	5.00	4.60	M2.5 X 0.45	3.00	2.00
M3 X 0.5	M5 X 0.8	4.25	3720-3.00MTWT	M3 X 0.5	4.40	M5 X 0.8	5.50	5.10	M3 X 0.5	3.50	2.25
M4 X 0.7	M6 X 0.75	5.25	3720-M4.00MTWT	M4 X 0.7	5.50	M6 X 0.75	6.50	6.10	M4 X 0.7	4.60	2.50
THIN WALL				THIN WALL				THIN WALL			
M5 X 0.8	M8 X 1.25	8.0	3600-190T	M5 X 0.8	6.90	M8 X 1.25	9.50	8.25	M5 X 0.8	5.50	4.00
M6 X 1.0	M10 X 1.25	10.0	3600-250T	M6 X 1.0	8.80	M10 x 1.25	11.50	10.25	M6 X 1.0	7.50	4.75
M8 X 1.25	M12 x 1.25	12.0	3600-312T	M8 X 1.25	10.80	M12 x 1.25	13.50	12.25	M8 X 1.25	9.50	4.75
M8 X 1.0	M12 x 1.25	12.0	3600-312T	M8 X 1.0	10.80	M12 x 1.25	13.50	12.25	M8 X 1.0	9.50	4.75
M10 X 1.5	M14 x 1.5	14.0	3600-375T	M10 X 1.5	12.80	M14 x 1.5	15.50	14.25	M10 X 1.5	11.50	4.75
M10 X 1.25	M14 x 1.5	14.0	3600-375T	M10 X 1.25	12.80	M14 x 1.5	15.50	14.25	M10 X 1.25	11.50	4.75
M12 X 1.75	M16 x 1.5	16.0	3600-500T	M12 X 1.75	14.75	M16 x 1.5	17.50	16.25	M12 X 1.75	13.50	4.75
M12 X 1.25	M16 x 1.5	16.0	3600-500T	M12 X 1.25	14.75	M16 x 1.5	17.50	16.25	M12 X 1.25	13.50	4.75
HEAVY DUTY				HEAVY DUTY				HEAVY DUTY			
M4 X 0.7	M8 X 1.25	8.0	3600-4.00HT	M4 X 0.7	6.90	M8 X 1.25	9.50	8.25	M4 X 0.7	5.50	4.00
M5 X 0.8	M10 X 1.25	10.0	3600-190T	M5 X 0.8	8.80	M10 x 1.25	12.50	10.25	M5 X 0.8	7.50	4.75
M6 X 1.0	M12 x 1.25	12.0	3600-250T	M6 X 1.0	10.80	M12 x 1.25	14.50	12.25	M6 X 1.0	9.50	4.75
M8 X 1.25	M14 x 1.5	14.0	3600-312T	M8 X 1.25	12.80	M14 x 1.5	16.50	14.25	M8 X 1.25	11.50	4.75
M8 X 1.0	M14 x 1.5	14.0	3600-312T	M8 X 1.0	12.80	M14 x 1.5	16.50	14.25	M8 X 1.0	11.50	4.75
M10 X 1.5	M16 x 1.5	16.0	3600-375T	M10 X 1.5	14.75	M16 x 1.5	18.50	16.25	M10 X 1.5	13.50	4.75
M10 X 1.25	M16 x 1.5	16.0	3600-375T	M10 X 1.25	14.75	M16 x 1.5	18.50	16.25	M10 X 1.25	13.50	4.75
M12 X 1.75	M18 X 1.5	18.0	3600-500T	M12 X 1.75	16.75	M18 X 1.5	20.50	18.25	M12 X 1.75	15.50	4.75
M12 X 1.25	M18 X 1.5	18.0	3600-500T	M12 X 1.25	16.75	M18 X 1.5	20.50	18.25	M12 X 1.25	15.50	4.75
M14 X 2.0	M20 X 1.5	20.0	3600-14.00HT	M14 X 2.0	18.75	M20 X 1.5	22.50	20.25	M14 X 2.0	17.50	4.75
M14 X 1.5	M20 X 1.5	20.0	3600-14.00HT	M14 X 1.5	18.75	M20 X 1.5	22.50	20.25	M14 X 1.5	17.50	4.75
M16 X 2.0	M22 X 1.5	22.0	3600-625T	M16 X 2.0	20.50	M22 X 1.5	24.50	22.25	M16 X 2.0	17.75	6.35
M16 X 1.5	M22 X 1.5	22.0	3600-625T	M16 X 1.5	20.50	M22 X 1.5	24.50	22.25	M16 X 1.5	17.75	6.35
M18 X 1.5	M24 X 1.5	24.0	3600-18.00HT	M18 X 1.5	22.50	M24 X 1.5	26.50	24.25	M18 X 1.5	19.75	6.35
M20 X 2.5	M30 X 2.0	30.0	3600-875T	M20 X 2.5	28.00	M30 X 2.0	34.50	30.25	M20 X 2.5	25.75	6.35
M20 X 1.5	M30 X 2.0	30.0	3600-875T	M20 X 1.5	28.00	M30 X 2.0	34.50	30.25	M20 X 1.5	25.75	6.35
M22 X 1.5	M32 X 2.0	32.0	3600-22.00HT	M22 X 1.5	30.00	M32 X 2.0	36.50	32.25	M22 X 1.5	27.75	6.35
M24 X 3.0	M33 X 2.0	33.0	3600-24.00HT	M24 X 3.0	31.00	M33 X 2.0	37.50	33.25	M24 X 3.0	28.75	6.35
M24 X 2.0	M33 X 2.0	33.0	3600-24.00HT	M24 X 2.0	31.00	M33 X 2.0	37.50	33.25	M24 X 2.0	28.75	6.35
SOLID				SOLID				SOLID			
	M8 X 1.25	8.00	3620-8.00SOLIDT		6.90	M8 X 1.25	9.50	8.25		5.50	4.00
	M10 X 1.25	10.00	3621-10.00SOLIDT		8.80	M10 X 1.25	12.50	10.25		7.50	4.75
	M12 X 1.25	12.00	3621-12.00SOLIDT		10.80	M12 X 1.25	14.50	12.25		9.50	4.75
	M14 X 1.5	14.00	3621-14.00SOLIDT		12.80	M14 X 1.5	16.50	14.25		11.50	4.75
	M16 X 1.5	16.00	3621-16.00SOLIDT		14.75	M16 X 1.5	18.50	16.25		13.50	4.75
	M18 X 1.5	18.00	3621-18.00SOLIDT		16.75	M18 X 1.5	20.50	18.25		15.50	4.75
	M20 X 1.5	20.00	3621-20.00SOLIDT		18.75	M20 X 1.5	22.50	20.25		17.50	4.75
	M22 X 1.5	22.00	3621-22.00SOLIDT		20.50	M22 X 1.5	24.5	22.25		17.75	6.35
	M24 X 1.5	24.00	3621-24.00SOLIDT		22.50	M24 X 1.5	26.50	24.25		19.75	6.35
	M30 X 2.0	30.00	3621-30.00SOLIDT		28.00	M30 X 2.0	34.50	30.25		25.75	6.35
	M32 X 2.0	32.00	3621-32.00SOLIDT		30.00	M32 X 2.0	36.50	32.25		27.75	6.35
	M33 X 2.0	33.00	3621-33.00SOLIDT		31.00	M33 X 2.0	37.50	33.25		28.75	6.35


*** Drill Size**

 Tapping Drill Tolerance:
 Metric 6.90-10.80mm
 +0.100-0.025mm

 Metric over 12.80mm
 +0.130-0.025mm

 Inch 0.234-0.500"
 +0.004-0.001"

 Inch over 0.500"
 +0.005-0.001"

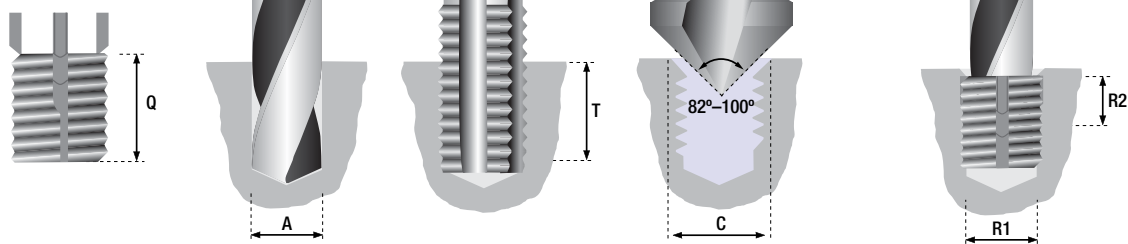
† Countersink Diameter

 Countersink Tolerance:
 Metric

+0.250-0.000mm

 Inch
 +0.010-0.000"

Internal Thread	INSERT SPECIFICATIONS			Internal Thread	DRILL, TAP & COUNTERSINK SPECIFICATIONS				Internal Thread	REMOVAL SPECIFICATIONS	
	External Thread	Q Nominal Length	Installation Tool		A Drill Size*	Tap Size Class 2B	T Minimum Tapping Depth	C Min. Width Countersink†		R1 Drill Size	R2 Minimum Drilling Depth
inch	inch	inch	Part #	inch	inch	inch	inch	inch	inch	inch	
MINIATURE			MINIATURE			MINIATURE			MINIATURE		
2G X 56	8G X 32	0.120	3732-2GMTWT	2G X 56	0.134	8G X 32	0.140	0.166	2G X 56	#33	1/16
4G X 40	10G X 32	0.170	3732-4GMTWT	4G X 40	0.161	10G X 32	0.160	0.194	4G X 40	#29	3/32
6G X 32	12G X 28	0.170	3732-6GMTWT	6G X 32	0.187	12G X 28	0.160	0.220	6G X 32	#21	3/32
8G X 32	1/4 X 28	0.220	3732-8GMTWT	8G X 32	0.228	1/4 X 28	0.210	0.255	8G X 32	#8	1/8
THIN WALL			THIN WALL			THIN WALL			THIN WALL		
10G X 24	5/16 X 18	0.31	3600-190T	10G X 24	"I"	5/16 X 18	0.37	0.32	10G X 24	7/32	1/8
10G X 32	5/16 X 18	0.31	3600-190T	10G X 32	"I"	5/16 X 18	0.37	0.32	10G X 32	7/32	1/8
1/4 X 20	3/8 X 16	0.37	3600-250T	1/4 X 20	"Q"	3/8 X 16	0.43	0.38	1/4 X 20	9/32	3/16
1/4 X 28	3/8 X 16	0.37	3600-250T	1/4 X 28	"Q"	3/8 X 16	0.43	0.38	1/4 X 28	9/32	3/16
5/16 X 18	7/16 X 14	0.43	3600-312T	5/16 X 18	"X"	7/16 X 14	0.50	0.44	5/16 X 18	11/32	3/16
5/16 X 24	7/16 X 14	0.43	3600-312T	5/16 X 24	"X"	7/16 X 14	0.50	0.44	5/16 X 24	11/32	3/16
3/8 X 16	1/2 X 13	0.50	3600-375T	3/8 X 16	29/64	1/2 X 13	0.56	0.51	3/8 X 16	13/32	3/16
3/8 X 24	1/2 X 13	0.50	3600-375T	3/8 X 24	29/64	1/2 X 13	0.56	0.51	3/8 X 24	13/32	3/16
7/16 X 14	9/16 X 12	0.56	3600-375T	7/16 X 14	33/64	9/16 X 12	0.62	0.57	7/16 X 14	15/32	3/16
7/16 X 20	9/16 X 12	0.56	3600-375T	7/16 X 20	33/64	9/16 X 12	0.62	0.57	7/16 X 20	15/32	3/16
1/2 X 13	5/8 X 11	0.62	3600-500T	1/2 X 13	37/64	5/8 X 11	0.68	0.63	1/2 X 13	17/32	3/16
1/2 X 20	5/8 X 11	0.62	3600-500T	1/2 X 20	37/64	5/8 X 11	0.68	0.63	1/2 X 20	17/32	3/16
HEAVY DUTY			HEAVY DUTY			HEAVY DUTY			HEAVY DUTY		
8G X 32	5/16 X 18	0.31	3600-8GHT	8G X 32	"I"	5/16 X 18	0.37	0.32	8G X 32	7/32	1/8
10G X 24	3/8 X 16	0.31	3600-190T	10G X 24	"Q"	3/8 X 16	0.37	0.38	10G X 24	9/32	1/8
10G X 32	3/8 X 16	0.31	3600-190T	10G X 32	"Q"	3/8 X 16	0.37	0.38	10G X 32	9/32	1/8
1/4 X 20	7/16 X 14	0.37	3600-250T	1/4 X 20	"X"	7/16 X 14	0.43	0.44	1/4 X 20	11/32	3/16
1/4 X 28	7/16 X 14	0.37	3600-250T	1/4 X 28	"X"	7/16 X 14	0.43	0.44	1/4 X 28	11/32	3/16
5/16 X 18	1/2 X 13	0.43	3600-312T	5/16 X 18	29/64	1/2 X 13	0.50	0.51	5/16 X 18	13/32	3/16
5/16 X 24	1/2 X 13	0.43	3600-312T	5/16 X 24	29/64	1/2 X 13	0.50	0.51	5/16 X 24	13/32	3/16
3/8 X 16	9/16 X 12	0.50	3600-375T	3/8 X 16	33/64	9/16 X 12	0.56	0.57	3/8 X 16	15/32	3/16
3/8 X 24	9/16 X 12	0.50	3600-375T	3/8 X 24	33/64	9/16 X 12	0.56	0.57	3/8 X 24	15/32	3/16
7/16 X 14	5/8 X 11	0.62	3600-375T	7/16 X 14	37/64	5/8 X 11	0.68	0.63	7/16 X 14	17/32	3/16
7/16 X 20	5/8 X 11	0.62	3600-375T	7/16 X 20	37/64	5/8 X 11	0.68	0.63	7/16 X 20	17/32	3/16
1/2 X 13	3/4 X 16	0.62	3600-500T	1/2 X 13	45/64	3/4 X 16	0.68	0.76	1/2 X 13	21/32	3/16
1/2 X 20	3/4 X 16	0.62	3600-500T	1/2 X 20	45/64	3/4 X 16	0.68	0.76	1/2 X 20	21/32	3/16
9/16 X 12	3/4 X 16	0.81	3600-500T	9/16 X 12	45/64	3/4 X 16	0.94	0.76	9/16 X 12	21/32	3/16
9/16 X 18	3/4 X 16	0.81	3600-500T	9/16 X 18	45/64	3/4 X 16	0.94	0.76	9/16 X 18	21/32	3/16
5/8 X 11	7/8 X 14	0.87	3600-625T	5/8 X 11	53/64	7/8 X 14	1.00	0.88	5/8 X 11	25/32	5/16
5/8 X 18	7/8 X 14	0.87	3600-625T	5/8 X 18	53/64	7/8 X 14	1.00	0.88	5/8 X 18	25/32	5/16
3/4 X 10	1-1/8 X 12	1.12	3600-875T	3/4 X 10	1-1/16	1-1/8 X 12	1.31	1.14	3/4 X 10	31/32	5/16
3/4 X 16	1-1/8 X 12	1.12	3600-875T	3/4 X 16	1-1/16	1-1/8 X 12	1.31	1.14	3/4 X 16	31/32	5/16
7/8 X 9	1-1/4 X 12	1.25	3600-875T	7/8 X 9	1-3/16	1-1/4 X 12	1.44	1.27	7/8 X 9	1-3/32	5/16
7/8 X 14	1-1/4 X 12	1.25	3600-875T	7/8 X 14	1-3/16	1-1/4 X 12	1.44	1.27	7/8 X 14	1-3/32	5/16
1 X 8	1-3/8 X 12	1.37	3600-100T	1 X 8	1-5/16	1-3/8 X 12	1.56	1.39	1 X 8	1-7/32	5/16
1 X 12	1-3/8 X 12	1.37	3600-100T	1 X 12	1-5/16	1-3/8 X 12	1.56	1.39	1 X 12	1-7/32	5/16
1 X 14	1-3/8 X 12	1.37	3600-100T	1 X 14	1-5/16	1-3/8 X 12	1.56	1.39	1 X 14	1-7/32	5/16
1-1/8 X 7	1-1/2 X 12	1.62	3600-1.1/8HT	1-1/8 X 7	1-7/16	1-1/2 X 12	1.84	1.52	1-1/8 X 7	1-11/32	5/16
1-1/8 X 12	1-1/2 X 12	1.62	3600-1.1/8HT	1-1/8 X 12	1-7/16	1-1/2 X 12	1.84	1.52	1-1/8 X 12	1-11/32	5/16
1-1/4 X 7	1-5/8 X 12	1.81	3600-1.1/4HT	1-1/4 X 7	1-9/16	1-5/8 X 12	2.06	1.64	1-1/4 X 7	1-15/32	5/16
1-1/4 X 12	1-5/8 X 12	1.81	3600-1.1/4HT	1-1/4 X 12	1-9/16	1-5/8 X 12	2.06	1.64	1-1/4 X 12	1-15/32	5/16
1-1/2 X 6	1-7/8 X 12	2.00	3600-1.1/2HT	1-1/2 X 6	1-13/16	1-7/8 X 12	2.28	1.89	1-1/2 X 6	1-23/32	5/16
1-1/2 X 12	1-7/8 X 12	2.00	3600-1.1/2HT	1-1/2 X 12	1-13/16	1-7/8 X 12	2.28	1.89	1-1/2 X 12	1-23/32	5/16



*** Drill Size**
Tapping Drill Tolerance:
Metric 6.90-10.80mm
+0.100-0.025mm

Metric over 12.80mm
+0.130-0.025mm

Inch 0.234-0.500"
+0.004-0.001"

Inch over 0.500"
+0.005-0.001"

† Countersink Diameter

Countersink Tolerance:
Metric
+0.250-0.000mm
Inch
+0.010-0.000"

Internal Thread	INSERT SPECIFICATIONS			Internal Thread	DRILL, TAP & COUNTERSINK SPECIFICATIONS				Internal Thread	REMOVAL SPECIFICATIONS	
	External Thread	Q Nominal Length	Installation Tool		A Drill Size*	Tap Size Class 2B	T Minimum Tapping Depth	C Min. Width Countersink†		R1 Drill Size	R2 Minimum Drilling Depth
inch	inch	inch	Part #	inch	inch	inch	inch	inch	inch	inch	
EXTRA HD				EXTRA HD				EXTRA HD			
6G X 32	5/16 X 18	0.310	3632-6GXHDT	6G X 32	I	5/16 X 18	0.37	0.32	6G X 32	7/32	1/8
8G X 32	3/8 X 16	0.310	3632-8GXHDT	8G X 32	Q	3/8 X 16	0.37	0.38	8G X 32	9/32	1/8
10G X 24	7/16 X 14	0.312	3632-10GXHDT	10G X 24	X	7/16 X 14	0.37	0.44	10G X 24	11/32	3/16
10G X 32	7/16 X 14	0.312	3634-10GXHDT	10G X 32	X	7/16 X 14	0.37	0.44	10G X 32	11/32	3/16
1/4 X 20	1/2 X 13	0.370	3632-1/4XHDT	1/4 X 20	29/64	1/2 X 13	0.43	0.51	1/4 X 20	13/32	3/16
1/4 X 28	1/2 X 13	0.370	3634-1/4XHDT	1/4 X 28	29/64	1/2 X 13	0.43	0.51	1/4 X 28	13/32	3/16
5/16 X 18	9/16 X 12	0.430	3632-5/16XHDT	5/16 X 18	33/64	9/16 X 12	0.50	0.57	5/16 X 18	15/32	3/16
5/16 X 24	9/16 X 12	0.430	3634-5/16XHDT	5/16 X 24	33/64	9/16 X 12	0.50	0.57	5/16 X 24	15/32	3/16
3/8 X 16	5/8 X 11	0.500	3632-3/8XHDT	3/8 X 16	37/64	5/8 X 11	0.56	0.63	3/8 X 16	17/32	3/16
3/8 X 24	5/8 X 11	0.500	3634-3/8XHDT	3/8 X 24	37/64	5/8 X 11	0.56	0.63	3/8 X 24	17/32	3/16
7/16 X 14	3/4 X 16	0.620	3632-7/16XHDT	7/16 X 14	45/64	3/4 X 16	0.68	0.76	7/16 X 14	21/32	3/16
7/16 X 20	3/4 X 16	0.620	3634-7/16XHDT	7/16 X 20	45/64	3/4 X 16	0.68	0.76	7/16 X 20	21/32	3/16
1/2 X 13	7/8 X 14	0.680	3632-1/2XHDT	1/2 X 13	53/64	7/8 X 14	0.75	0.88	1/2 X 13	25/32	5/16
1/2 X 20	7/8 X 14	0.680	3634-1/2XHDT	1/2 X 20	53/64	7/8 X 14	0.75	0.88	1/2 X 20	25/32	5/16
9/16 X 12	7/8 X 14	0.812	3632-9/16XHDT	9/16 X 12	53/64	7/8 X 14	0.94	0.88	9/16 X 12	25/32	5/16
9/16 X 18	7/8 X 14	0.812	3634-9/16XHDT	9/16 X 18	53/64	7/8 X 14	0.94	0.88	9/16 X 18	25/32	5/16
5/8 X 11	1 X 12	0.870	3632-5/8XHDT	5/8 X 11	15/16	1 X 12	1.00	1.02	5/8 X 11	27/32	5/16
5/8 X 18	1 X 12	0.870	3634-5/8XHDT	5/8 X 18	15/16	1 X 12	1.00	1.02	5/8 X 18	27/32	5/16
3/4 X 10	1.1/4 X 12	1.120	3632-3/4XHDT	3/4 X 10	1-3/16	1.1/4 X 12	1.31	1.27	3/4 X 10	1-3/32	5/16
3/4 X 16	1.1/4 X 12	1.120	3634-3/4XHDT	3/4 X 16	1-3/16	1.1/4 X 12	1.31	1.27	3/4 X 16	1-3/32	5/16
7/8 X 9	1.3/8 X 12	1.250	3632-7/8XHDT	7/8 X 9	1-5/16	1.3/8 X 12	1.44	1.39	7/8 X 9	1-7/32	5/16
7/8 X 14	1.3/8 X 12	1.250	3634-7/8XHDT	7/8 X 14	1-5/16	1.3/8 X 12	1.44	1.39	7/8 X 14	1-7/32	5/16
1 X 8	1.1/2 X 12	1.370	3632-1XHDT	1 X 8	1-7/16	1.1/2 X 12	1.56	1.52	1 X 8	1-11/32	5/16
1 X 12	1.1/2 X 12	1.370	3634-1XHDT	1 X 12	1-7/16	1.1/2 X 12	1.56	1.52	1 X 12	1-11/32	5/16
SOLID				SOLID					SOLID		
	5/16 X 18	0.310	3632-5/16SOLIDT		0.272	5/16 X 18	0.37	0.32		7/32	1/8
	3/8 X 16	0.310	3632-3/8SOLIDT		0.332	3/8 X 16	0.37	0.38		9/32	1/8
	7/16 X 14	0.370	3632-7/16SOLIDT		0.397	7/16 X 14	0.43	0.44		11/32	3/16
	1/2 X 13	0.430	3632-1/2SOLIDT		0.453	1/2 X 13	0.50	0.51		13/32	3/16
	9/16 X 12	0.500	3632-9/16SOLIDT		0.516	9/16 X 12	0.56	0.57		15/32	3/16
	5/8 X 11	0.620	3632-5/8SOLIDT		0.578	5/8 X 11	0.68	0.63		17/32	3/16
	11/16 X 11NS	0.680	3734-11/16SOLIDT		0.641	11/16 X 11NS	0.75	0.70		19/32	3/16
	3/4 X 16	0.680	3634-3/4SOLIDT		0.703	3/4 X 16	0.75	0.76		21/32	3/16
	13/16 X 16	0.810	3634-13/16SOLIDT		0.766	13/16 X 16	0.94	0.82		23/32	3/16
	7/8 X 14	0.870	3634-7/8SOLIDT		0.828	7/8 X 14	1.00	0.88		25/32	5/16
	1 X 12	0.870	3634-1SOLIDT		0.937	1 X 12	1.00	1.02		27/32	5/16
	1.1/8 X 12	1.120	3634-1.1/8SOLIDT		1.062	1.1/8 X 12	1.31	1.14		31/32	5/16
	1.1/4 X 12	1.250	3634-1.1/4SOLIDT		1.187	1.1/4 X 12	1.44	1.27		1-3/32	5/16
	1.3/8 X 12	1.370	3634-1.3/8SOLIDT		1.312	1.3/8 X 12	1.56	1.39		1-7/32	5/16

REMOVAL



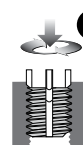
1 DRILL
Drill out the material between the locking keys and the internal thread to the specified depth.
Note: Drill size and drilling depth are shown in the loksert technical tables.



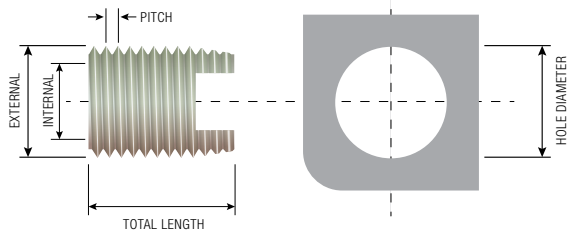
2 DEFLECT
Deflect locking keys inward and break off



3 REMOVE
Remove the insert from the hole by winding it out using a screw extractor or similar type tool.



4 INSERT
A new Loksert insert of exactly the same size can be installed in the original hole.



Tapserts are self cutting threaded inserts that feature both external and internal threads. They are driven into a pre-formed or pre-drilled retaining hole and the cutting slots (or cutting bores) effectively tap the hole as the insert is wound into the parent material.

Tapserts are ideal for use in low shear strength materials (such as alloys, plastics and castings) which require threaded seats with high load capacity and wear resistance.

Tapserts feature:

- High pull-out strength
- High loading capacity in low shear strength materials
- Wear free, vibration resistant screw joint
- Pre-cast or pre-drilled holes with standard tolerance
- No requirement for thread tapping tools
- Retains and captures chips from installation in chipping reservoirs.

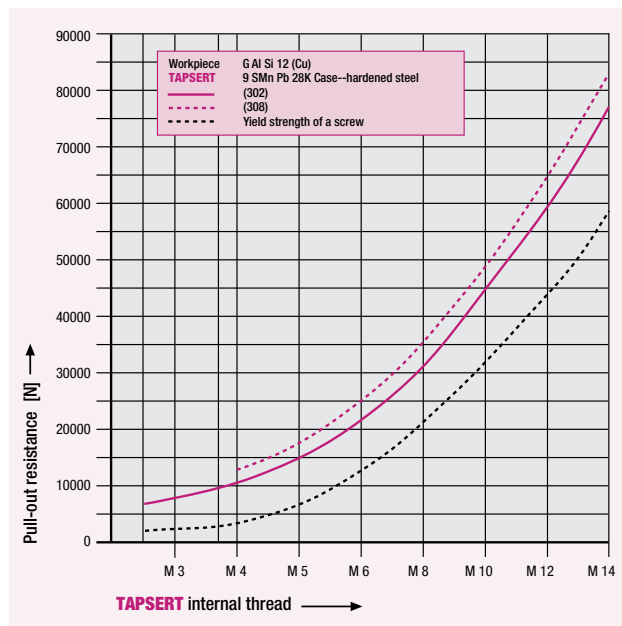
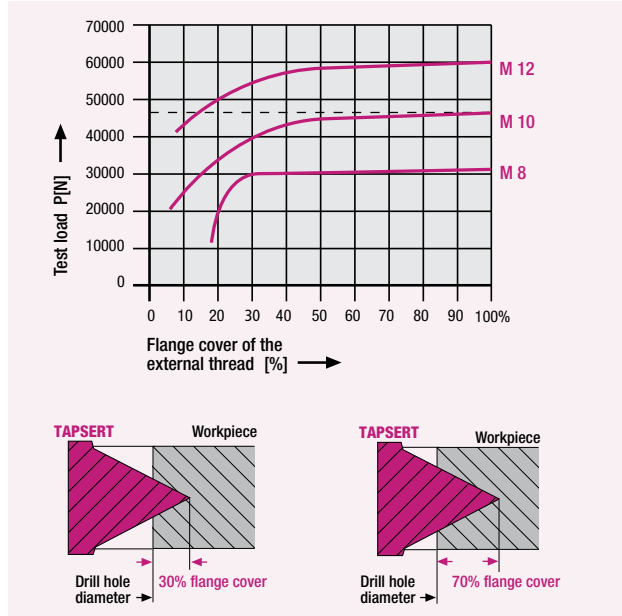
HOLE PREPARATION

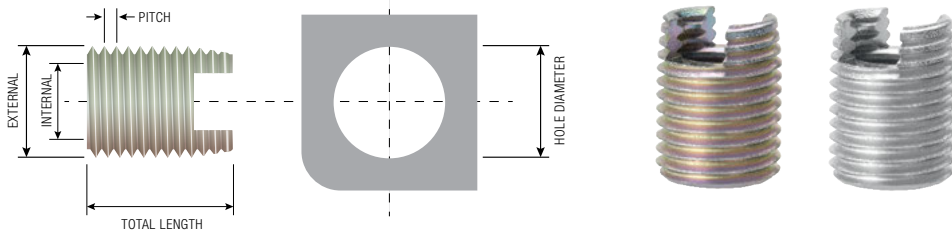
The receiving hole is drilled or pre-cast in the parent material. Generally there is no requirement to countersink the hole but it is recommended care is taken not to warp the workpiece surface when installing the insert. Tapserts must be installed at least 0.1-0.2mm below the assembly surface.

- The length of the Tapsert MUST NOT exceed the thickness of the parent material.
- The minimum hole depth is indicated in the data tables included in every kit. Alternatively these may be downloaded from the website www.powercoil.com.au
- The minimum wall thickness of the assembly is dependant on the maximum insert loads and the elasticity of the parent material.
- Detailed hole diameter information is shown on the installation leaflet included with every kit and is also available at www.powercoil.com.au. As a general guide hard materials require a larger diameter hole than softer, elastic materials. If the installed insert is being subjected to high loads it is recommended to perform material specific testing prior to production.

INSTALLATION NUT & BOLT

Screw the insert onto the bolt and nut assembly ensuring the slot side is pointing downward. Thread the nut down the bolt until it sits firmly against the top of the Tapsert. Ensure that the Tapsert is perpendicular to the workpiece and apply downward pressure on the installation assembly. Turn the bolt head to wind the Tapsert into the receiving hole. The tapsert is installed when the nut is flush with the top of the parent material. Loosen the nut and wind the assembly out of the Tapsert. Complete instructions are included in every Tapsert kit.





Light Alloys
Rm = tensile strength N/mm²

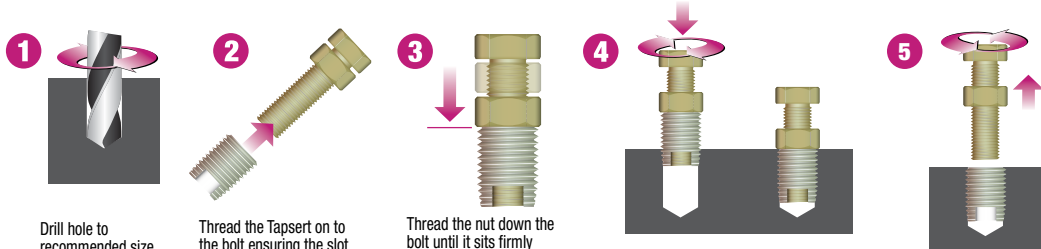
MS, Bronze, NF Metal
Cast Iron
HB = Brinell hardness N/mm²

			DRILL SIZE SELECTION				Minimum drill hole depth for blind holes
			Rm < 250				
			Rm < 300				
			Rm < 350		Rm > 350	Rm > 350	
			< 150 HB		> 200 HB		
			< 200 HB		> 200 HB		
INTERNAL THREAD	EXT. THREAD	LENGTH	MM	MM	MM	MM	MM
M 2.5 - 0.45	M 4.5 - 0.5	6	–	4.1	4.2	4.3	8
M 3.0 - 0.6	M 5 - 0.5	6	–	4.6	4.7	4.8	8
M 4 - 0.7	M 6.5 - 0.75	8	5.9	6.0	6.1	6.2	10
M 5 - 0.8	M 8 - 1.0	10	7.2	7.3	7.5	7.6	13
M 6 - 1.0	M 10 - 1.5	14	8.8	9.0	9.2	9.4	17
M 8 - 1.25	M 12 - 1.5	15	10.8	11.0	11.2	11.4	18
M 10 - 1.5	M 14 - 1.5	18	12.8	13.0	13.2	13.4	22
M 12 - 1.75	M 16 - 1.5	22	14.8	15.0	15.2	15.4	26
M 16 - 2.0	M 20 - 1.5	22	18.8	19.0	19.2	19.4	27
M 16 - 1.5	M 20 - 1.5	22	18.8	19.0	19.2	19.4	27
M 18 - 2.5	M 22 - 1.5	24	20.8	21.0	21.2	21.4	29
M 20 - 2.5	M 26 - 1.5	27	24.8	25.0	25.2	25.4	32
M 22 - 2.5	M 26 - 1.5	30	24.8	25.0	25.2	25.4	36
M 24 - 3.0	M 30 - 1.5	30	28.8	29.0	29.2	29.4	36
M 14 - 1.25 Spark Plug	M 18 - 1.5	15	16.8	17.0	17.2	17.4	28
M 14 - 1.25 Spark Plug	M 18 - 1.5	9	16.8	17.0	17.2	17.4	28
M 14 - 1.25 Spark Plug	M 18 - 1.5	9 & 15	16.8	17.0	17.2	17.4	28
UNC 1/4 - 20	M 10 - 1.5	14	8.8	9.0	9.2	9.4	17
UNC 5/16 - 18	M 12 - 1.5	15	10.8	11.0	11.2	11.4	18
UNC 3/8 - 16	M 14 - 1.5	18	12.8	13.0	13.2	13.4	22
UNC 7/16 - 14	M 16 - 1.5	22	14.8	15.0	15.2	15.4	26
UNC 1/2 - 13	M 18 - 1.5	22	16.8	17.0	17.2	17.4	28
UNC 5/8 - 11	M 20 - 1.5	22	18.8	19.0	19.2	19.4	27
UNF 1/4 - 28	M 10 - 1.5	14	8.8	9.0	9.2	9.4	17
UNF 5/16 - 24	M 12 - 1.5	15	10.8	11.0	11.2	11.4	18
UNF 3/8 - 24	M 14 - 1.5	18	12.8	13.0	13.2	13.4	22
UNF 7/16 - 20	M 16 - 1.5	22	14.8	15.0	15.2	15.4	26
UNF 1/2 - 20	M 18 - 1.5	22	16.8	17.0	17.2	17.4	28
UNF 5/8 - 18	M 20 - 1.5	22	18.8	19.0	19.2	19.4	27

DRILL HOLE DIAMETER

Brittle, tough, and hard materials require a larger drill hole than soft and elastic materials. For recommended hole sizes see table above. The drill sizes in bold are the recommended diameter for easy assembly. Smaller diameters may require the use of cutting fluid during installation. When specific load performance is required we advise insert/material testing.

tapsert® INSTALLATION



1 Drill hole to recommended size as shown in the selection table.

2 Thread the Tapsert on to the bolt ensuring the slot side is down. The insert should be flush with the end of the bolt.

3 Thread the nut down the bolt until it sits firmly against the top of the Tapsert.

4 To ensure the Tapsert installation is straight apply downward pressure on the assembly.

If using an open ended wrench apply downward pressure to the bolt head whilst turning the nut to wind the Tapsert in. Alternatively if using a socket for installation apply downward pressure to the socket.

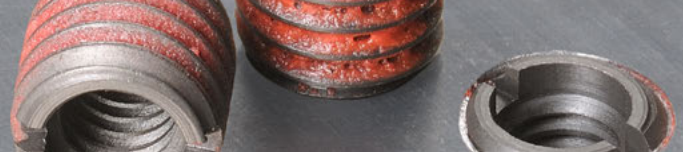
The Tapsert is installed when the nut is flush with the top of the parent material.

5 Loosen the nut with an open ended wrench and wind the nut and bolt assembly out of the Tapsert.

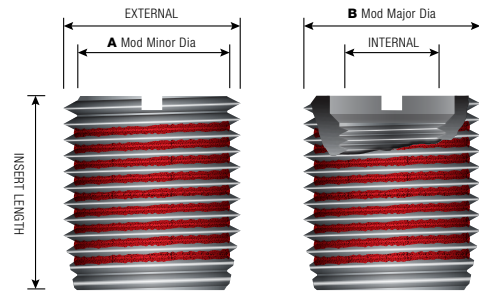
Congratulations – you have successfully created a new thread.



NOTE Tapping fluid should be used to aid installation.

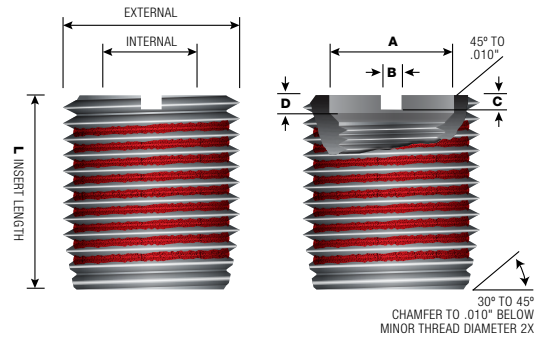


INSERT STYLE
THIN WALL



UNC / UNF SERIES

PART #	INTERNAL THREAD INCH 2B	EXTERNAL THREAD INCH 2B	MATERIAL	L INCH	A MOD MINOR DIA. INCH	B MAJOR DIA. INCH
3332-10GTW	10-24	5/16-18	C12L14 Carbon Steel	0.312	.251 - .254	.307 - .311
3334-10GTW	10-32	5/16-18	C12L14 Carbon Steel	0.312	.251 - .254	.307 - .311
3332-1/4TW	1/4-20	3/8-16	C12L14 Carbon Steel	0.375	.314 - .318	.369 - .373
3334-1/4TW	1/4-28	3/8-16	C12L14 Carbon Steel	0.375	.314 - .318	.369 - .373
3332-5/16TW	5/16-18	7/16-14	C12L14 Carbon Steel	0.437	.377 - .381	.432 - .436
3332-3/8TW	3/8-16	1/2-13	C12L14 Carbon Steel	0.500	.434 - .438	.494 - .498
3332-1/2TW	1/2-13	5/8-11	C12L14 Carbon Steel	0.620	.553 - .557	.619 - .623



METRIC SERIES

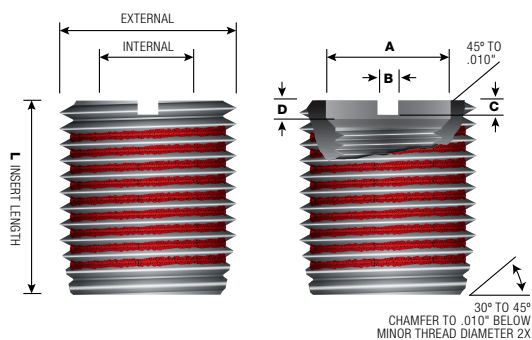
PART #	INTERNAL THREAD MM 6H	EXTERNAL THREAD MM 6G	MATERIAL	L MM	A MM	B MM	C MM	D MM
3320-3.00TWM	M3-0.5	M6-1.0	C12L14 Carbon Steel	6.5	3.25	1.14	1.57	1.91
3320-4.00TWM	M4-0.7	M8-1.25	C12L14 Carbon Steel	7.5	4.32	1.65	1.65	1.91
3320-5.00TWM	M5-0.8	M8-1.25	C12L14 Carbon Steel	7.5	5.33	1.65	1.65	1.91
3320-6.00TWM	M6-1.0	M10-1.5	C12L14 Carbon Steel	10.5	6.35	1.83	1.83	2.03
3320-8.00TWM	M8-1.25	M12-1.75	C12L14 Carbon Steel	12.5	8.33	1.83	1.83	2.03
3320-10.00TWM	M10-1.5	M16-2.0	C12L14 Carbon Steel	17.0	10.31	2.62	2.16	2.41
3320-12.00TWM	M12-1.75	M16-2.0	C12L14 Carbon Steel	17.0	12.32	3.35	2.79	2.92
3320-16.00TWM	M16-2.0	M24-3.0	C12L14 Carbon Steel	20.0	16.66	3.35	3.18	3.30



METRIC SERIES

PART #	INTERNAL THREAD MM 6H	EXTERNAL THREAD MM 6G	MATERIAL	L MM	A MM	B MM	C MM	D MM
3320-5.00HWMSS	M5-0.8	M8-1.25	303 Stainless Steel	7.5	5.33	1.65	1.65	1.91
3320-6.00HWMSS	M6-1.0	M10-1.5	303 Stainless Steel	10.5	6.35	1.83	1.83	2.03
3320-8.00HWMSS	M8-1.25	M12-1.75	303 Stainless Steel	12.5	8.33	1.83	1.83	2.03
3320-10.00HWMSS	M10-1.5	M16-2.0	303 Stainless Steel	17.0	10.31	2.62	2.16	2.41
3320-12.00HWMSS	M12-1.75	M16-2.0	303 Stainless Steel	17.0	12.32	3.35	2.79	2.92

**INSERT STYLE
HEAVY WALL**



UNC / UNF SERIES

PART #	INTERNAL THREAD INCH 2B	EXTERNAL THREAD INCH 2B	MATERIAL	L INCH	A INCH	B INCH	C INCH	D INCH
3332-6GHW	6-32	1/4-20	C12L14 Carbon Steel	0.280	0.148	0.064	0.062	0.070
3332-8GHW	8-32	5/16-18	C12L14 Carbon Steel	0.290	0.177	0.064	0.062	0.075
3332-10GHW	10-24	3/8-16	C12L14 Carbon Steel	0.406	0.201	0.064	0.070	0.080
3334-10GHW	10-32	3/8-16	C12L14 Carbon Steel	0.406	0.201	0.064	0.070	0.080
3332-1/4HW	1/4-20	7/16-14	C12L14 Carbon Steel	0.437	0.261	0.072	0.075	0.085
3334-1/4HW	1/4-28	7/16-14	C12L14 Carbon Steel	0.437	0.261	0.072	0.075	0.085
3332-5/16HW	5/16-18	1/2-13	C12L14 Carbon Steel	0.484	0.323	0.081	0.080	0.090
3332-3/8HW	3/8-16	9/16-12	C12L14 Carbon Steel	0.515	0.386	0.091	0.085	0.095
3332-7/16HW	7/16-14	5/8-11	C12L14 Carbon Steel	0.656	0.447	0.130	0.110	0.115
3332-1/2HW	1/2-13	3/4-10	C12L14 Carbon Steel	0.656	0.510	0.130	0.110	0.115
3332-1/2X1HW	1/2-13	3/4-10	C12L14 Carbon Steel	1.000	0.510	0.130	0.110	0.115
3332-5/8HW	5/8-11	7/8-9	C12L14 Carbon Steel	0.687	0.640	0.130	0.125	0.130
3332-5/8X1.125HW	5/8-11	7/8-9	C12L14 Carbon Steel	1.125	0.640	0.130	0.125	0.130
3332-3/4HW	3/4-10	1-8	C12L14 Carbon Steel	0.781	0.765	0.130	0.125	0.130
3332-1HW	1-8	1.3/8-12	C12L14 Carbon Steel	1.250	1.020	0.130	0.135	0.140

METRIC INTERNAL UNC EXTERNAL SERIES

PART #	INTERNAL THREAD MM 6H	EXTERNAL THREAD INCH 2B	MATERIAL	L INCH	A INCH	B INCH	C INCH	D INCH
3320-6.00HWF	M6-1.0	3/8-16	C12L14 Carbon Steel	0.406	0.246	0.064	0.070	0.085
3320-8.00HWF	M8-1.25	1/2-13	C12L14 Carbon Steel	0.484	0.323	0.081	0.080	0.090
3320-10.00HWF	M10-1.5	9/16-12	C12L14 Carbon Steel	0.515	0.403	0.091	0.085	0.095
3321-10.00HWF	M10-1.25	9/16-12	C12L14 Carbon Steel	0.515	0.403	0.091	0.085	0.095
3320-12.00HWF	M12-1.75	3/4-10	C12L14 Carbon Steel	0.656	0.482	0.130	0.110	0.115
3320-16.00HWF	M16-2.0	1-8	C12L14 Carbon Steel	0.781	0.640	0.130	0.125	0.130

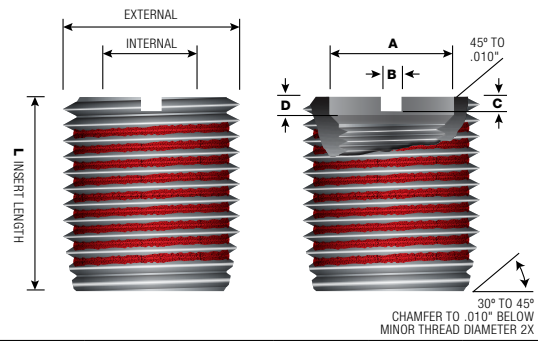


UNC / UNF SERIES

PART #	INTERNAL THREAD INCH 2B	EXTERNAL THREAD INCH 2B	MATERIAL	L INCH	A INCH	B INCH	C INCH	D INCH
3332-10GHWSS	10-24	3/8-16	303 Stainless Steel	0.406	0.201	0.064	0.070	0.080
3334-10GHWSS	10-32	3/8-16	303 Stainless Steel	0.406	0.201	0.064	0.070	0.080
3332-1/4HWSS	1/4-20	7/16-14	303 Stainless Steel	0.437	0.261	0.072	0.075	0.085
3332-5/16HWSS	5/16-18	1/2-13	303 Stainless Steel	0.484	0.323	0.081	0.080	0.090
3332-3/8HWSS	3/8-16	9/16-12	303 Stainless Steel	0.515	0.386	0.091	0.085	0.095
3332-1/2HWSS	1/2-13	3/4-10	303 Stainless Steel	0.656	0.510	0.130	0.110	0.115



INSERT STYLE
EXTRA HEAVY WALL



UNC SERIES

PART #	INTERNAL THREAD INCH 2B	EXTERNAL THREAD INCH 2B	MATERIAL	L INCH	A INCH	B INCH	C INCH	D INCH
3332-1/4XHW	1/4-20	1/2-13	C12L14 Carbon Steel	0.484	0.261	0.072	0.075	0.085
3332-5/16XHW	5/16-18	9/16-12	C12L14 Carbon Steel	0.515	0.323	0.081	0.080	0.090
3332-3/8XHW	3/8-16	5/8-11	C12L14 Carbon Steel	0.656	0.385	0.130	0.110	0.115
3332-1/2XHW	1/2-13	7/8-9	C12L14 Carbon Steel	0.687	0.640	0.130	0.125	0.130

bondsert®



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