



e-zsert[®]

loksert[®]

powercoil[®]

tapsert[®]

Nes[®]

**THREADED INSERTS
& THREAD RESTORATION
BUYER'S GUIDE 03/2019**



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 Thinwall and Heavy Duty

tapsert®



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 available in case hardened steel or stainless steel.

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.

e-zsert®



E-ZSERTS 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.

E-ZSERT external threads are manufactured with standard size and pitch to permit the use of standard drills and taps. E-ZSERTS can be

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

E-ZSERTS 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 Loctite® 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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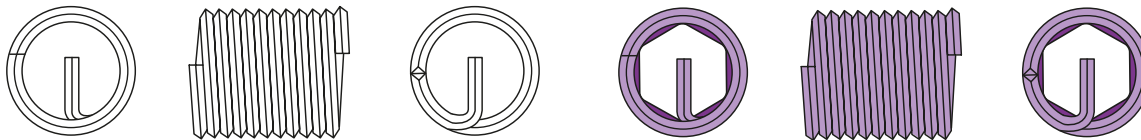
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Manufactured from high quality chromium nickel stainless steel, PowerCoil Wire Thread Inserts provide high strength internal threads that resist the effects of temperature and corrosion. Their unique design ensures superior threads whose compound performance 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.

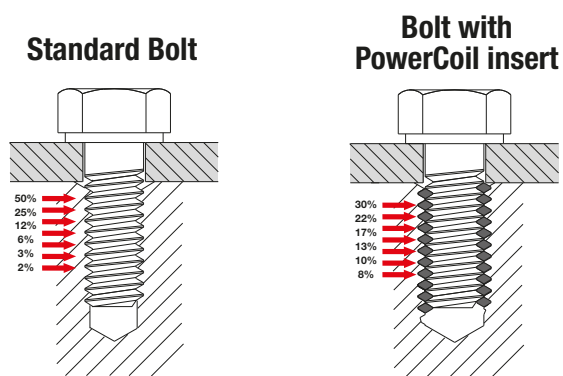
A complete range of installation tools are available to suit specific production techniques. A range of hand tools exist for small runs and repairs; electric and pneumatic tools are available for high volume production requirements.

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.

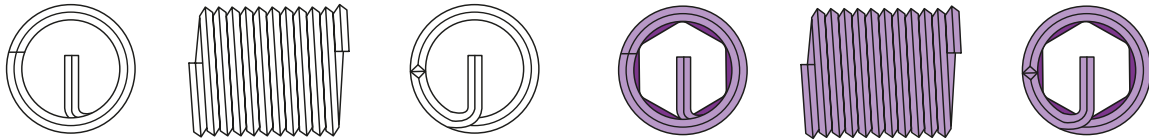
WEAR RESISTANCE

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.		Typical Applications	Coatings
	Peak	Cont.		
Stainless 304	425°C 800°F	315°C 600°F	Most general applications in all materials	FL, AG, CD
Stainless 316	425°C 800°F	315°C 600°F	Increased corrosion resistance for salt water applications	FL, AG, CD
Phosphor Bronze	300°C 572°F	235°C 455°F	Copper parts, non-magnetic, low permeability applications	AG, CD
Inconel X-750	650°C 1200°F	550°C 1020°F	Aerospace, turbines, corrosive environments, high temp. use	AG
Nimonic 90	650°C 1200°F	550°C 1020°F	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.

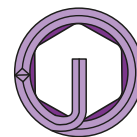
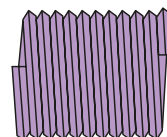
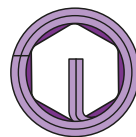
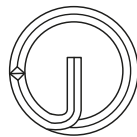
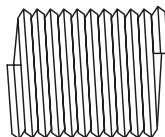
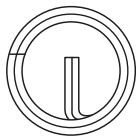
Silver Plate

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.

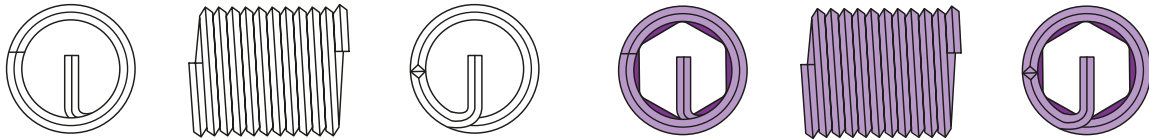
HOW SCREW LOCKING INSERTS WORK

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

MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #
2.00	0.40	1.5D 3.00MM	118.76	3520-2.00K	20	2.1	3520-2.00I	3500-HIT2	3500-TB1
2.20	0.45	1.5D 3.30MM	113.70	3520-2.20K	20	2.3	3520-2.20I	3500-HIT2	3500-TB2
2.50	0.45	1.5D 3.75MM	85.15	3520-2.50K	20	2.6	3520-2.50I	3500-HIT3	3500-TB3
3.00	0.50	1.5D 4.50MM	85.02	3520-3.00K	20	3.2	3520-3.00I	3500-HIT4	3500-TB4
3.50	0.60	1.5D 5.25MM	85.78	3520-3.50K	20	3.7	3520-3.50I	3500-HIT5	3500-TB5
4.00	0.70	1.5D 6.00MM	70.43	3520-4.00K	20	4.2	3520-4.00I	3500-HIT6	3500-TB6
5.00	0.80	1.5D 7.50MM	61.09	3520-5.00K	20	5.2	3520-5.00I	3500-HIT8	3500-TB8
6.00	1.00	1.5D 9.00MM	62.59	3520-6.00K	20	6.3	3520-6.00I	3500-HIT9	3500-TB9
7.00	1.00	1.5D 10.50MM	77.20	3520-7.00K	20	7.3	3520-7.00I	3500-HIT10	3500-TB11
8.00	1.25	1.5D 12.00MM	75.67	3520-8.00K	20	8.3	3520-8.00I	3500-HIT11	3500-TB12
9.00	1.25	1.5D 13.50MM	89.51	3520-9.00K	15	9.4	3520-9.00I	3500-HIT13	3500-TB12
10.00	1.50	1.5D 15.00MM	95.69	3520-10.00K	15	10.4	3520-10.00I	3500-HIT13	3500-TB13
11.00	1.50	1.5D 16.50MM	119.76	3520-11.00K	10	11.4	3520-11.00I	3500-HIT14	3500-TB14
12.00	1.75	1.5D 18.00MM	124.77	3520-12.00K	10	12.4	3520-12.00I	3500-HIT15	3500-TB15
13.00	1.75	1.5D 19.50MM	113.70	3520-13.00K	10	13.5*	3520-13.00I	3500-HIT15	-
14.00	2.00	1.5D 21.00MM	128.67	3520-14.00K	10	14.5*	3520-14.00I	3500-HIT16	-
15.00	2.00	1.5D 22.50MM	138.97	3520-15.00K	10	15.5*	3520-15.00I	3500-HIT16	-
16.00	2.00	1.5D 24.00MM	149.84	3520-16.00K	10	16.5*	3520-16.00I	3500-HIT18	-
18.00	2.50	1.5D 27.00MM	202.14	3520-18.00K	5	18.5*	3520-18.00I	3500-HIT20	-
20.00	2.50	1.5D 30.00MM	240.04	3520-20.00K	5	20.8*	3520-20.00I	3500-HIT21	-
22.00	2.50	1.5D 33.00MM	284.26	3520-22.00K	5	22.8*	3520-22.00I	3500-HIT22	-
24.00	3.00	1.5D 36.00MM	360.06	3520-24.00K	5	25.0*	3520-24.00I	3500-HIT23	-
27.00	3.00	1.5D 40.50MM	443.88	3520-27.00K	5	28.0*	3520-27.00I	3500-HIT24	-
30.00	3.50	1.5D 45.00MM	553.23	3520-30.00K	5	31.0*	3520-30.00I	3500-HIT25	-
33.00	3.50	1.5D 49.50MM	590.22	3520-33.00K	5	34.0*	3520-33.00I	3500-HIT26	-
36.00	4.00	1.5D 54.00MM	592.14	3520-36.00K	5	37.0*	3520-36.00I	3500-HIT28	-

* 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).

SPARK PLUG

MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #
10.00	1.00	- 1/2"	104.86	3522-10.00K	5	-	3522-10.00PN	3500-HIT13	3500-TB13
-	-	- 0.339"	-	-	5	-	-	-	-
12.00	1.25	- 1/2"	121.28	3522-12.00K	5	-	3522-12.00PN	3500-HIT15	3500-TB15
-	-	- 3/4"	-	-	5	-	-	-	-
14.00	1.25	- 3/8"	109.91	3522-14.00K	5	-	3522-14.00PN	3500-HIT17	-
-	-	- 1/2"	-	-	5	-	-	-	-
-	-	- 3/4"	-	-	5	-	-	-	-
14.00	1.25	8.4MM	131.38	3522-14.00K1	5	-	3522-14.00PN	3500-HIT17	-
-	-	12.4MM	-	-	5	-	-	-	-
-	-	16.4MM	-	-	5	-	-	-	-
18.00	1.50	- 1/2"	221.08	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.





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

METRIC FINE

MM	MM	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #	
8.00	1.00	1.5D	12.00MM	84.51	3521-8.00K	20	8.3	3521-8.00I	3500-HIT11	3500-TB12
10.00	1.25	1.5D	15.00MM	100.12	3521-10.00K	15	10.3	3521-10.00I	3500-HIT13	3500-TB13
10.00	1.00	1.5D	15.00MM	101.39	3523-10.00K	15	10.3	3523-10.00I	3500-HIT13	3500-TB13
11.00	1.25	1.5D	16.50MM	119.76	3521-11.00K	10	11.3	3521-11.00I	3500-HIT14	3500-TB14
11.00	1.00	1.5D	16.50MM	119.76	3523-11.00K	10	11.3	3523-11.00I	3500-HIT14	3500-TB14
12.00	1.50	1.5D	18.00MM	127.28	3521-12.00K	10	12.4	3521-12.00I	3500-HIT15	3500-TB15
12.00	1.25	1.5D	18.00MM	129.18	3523-12.00K	10	12.3	3523-12.00I	3500-HIT15	3500-TB15
12.00	1.00	1.5D	18.00MM	195.83	3524-12.00K	10	12.3	3524-12.00I	3500-HIT15	3500-TB15
13.00	1.50	1.5D	19.50MM	126.33	3521-13.00K	10	13.2*	3521-13.00I	3500-HIT15	-
13.00	1.25	1.5D	19.50MM	138.97	3523-13.00K	10	13.2*	3523-13.00I	3500-HIT15	-
14.00	1.50	1.5D	21.00MM	132.47	3521-14.00K	10	14.4*	3521-14.00I	3500-HIT16	-
14.00	1.25	1.5D	21.00MM	132.47	3523-14.00K	10	14.3*	3523-14.00I	3500-HIT16	-
14.00	1.00	1.5D	21.00MM	202.14	3524-14.00K	10	14.3*	3524-14.00I	3500-HIT16	-
15.00	1.50	1.5D	22.50MM	145.29	3521-15.00K	10	15.3*	3521-15.00I	3500-HIT16	-
16.00	1.50	1.5D	24.00MM	157.41	3521-16.00K	10	16.5*	3521-16.00I	3500-HIT18	-
18.00	2.00	1.5D	27.00MM	214.77	3521-18.00K	5	18.5*	3521-18.00I	3500-HIT20	-
18.00	1.50	1.5D	27.00MM	214.77	3523-18.00K	5	18.5*	3523-18.00I	3500-HIT20	-
20.00	2.00	1.5D	30.00MM	246.35	3521-20.00K	5	20.5*	3521-20.00I	3500-HIT21	-
20.00	1.50	1.5D	30.00MM	246.35	3523-20.00K	5	20.5*	3523-20.00I	3500-HIT21	-
22.00	2.00	1.5D	33.00MM	290.58	3521-22.00K	5	22.5*	3521-22.00I	3500-HIT22	-
22.00	1.50	1.5D	33.00MM	290.58	3523-22.00K	5	22.5*	3523-22.00I	3500-HIT22	-
24.00	2.00	1.5D	36.00MM	404.27	3521-24.00K	5	24.5*	3521-24.00I	3500-HIT23	-
24.00	1.50	1.5D	36.00MM	404.27	3523-24.00K	5	24.5*	3523-24.00I	3500-HIT23	-
26.00	1.50	1.5D	39.00MM	443.88	3523-26.00K	5	26.5*	3523-26.00I	3500-HIT24	-
27.00	2.00	1.5D	40.50MM	443.88	3521-27.00K	5	27.5*	3521-27.00I	3500-HIT24	-
27.00	1.50	1.5D	40.50MM	443.88	3523-27.00K	5	27.5*	3523-27.00I	3500-HIT24	-
28.00	1.50	1.5D	42.00MM	543.71	3523-28.00K	5	28.5*	3523-28.00I	3500-HIT24	-
30.00	2.00	1.5D	45.00MM	575.10	3521-30.00K	5	30.5*	3521-30.00I	3500-HIT26	-
30.00	1.50	1.5D	45.00MM	575.10	3523-30.00K	5	30.5*	3523-30.00I	3500-HIT26	-
33.00	2.00	1.5D	49.50MM	590.22	3521-33.00K	5	33.5*	3521-33.00I	3500-HIT26	-
36.00	3.00	1.5D	54.00MM	592.14	3521-36.00K	3	37.0*	3521-36.00I	3500-HIT28	-
36.00	2.00	1.5D	54.00MM	592.14	3523-36.00K	3	36.5*	3523-36.00I	3500-HIT28	-
36.00	1.50	1.5D	54.00MM	592.14	3524-36.00K	3	36.5*	3524-36.00I	3500-HIT28	-

* 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).

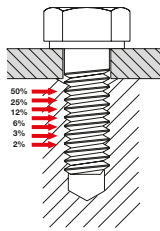


Bulk Free Running Inserts
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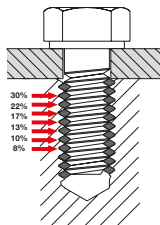


MF

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

UNC

INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
2G	56	1.5D	0.13"	81.23	3532-2GK	20	2.4	3532-2GI	3500-HIT2	3500-TB2
3G	48	1.5D	0.15"	81.23	3532-3GK	20	2.7	3532-3GI	3500-HIT3	3500-TB3
4G	40	1.5D	0.17"	78.65	3532-4GK	20	3.1	3532-4GI	3500-HIT4	3500-TB4
5G	40	1.5D	0.19"	78.96	3532-5GK	20	3.4	3532-5GI	3500-HIT4	3500-TB4
6G	32	1.5D	0.21"	75.10	3532-6GK	20	3.8	3532-6GI	3500-HIT5	3500-TB5
8G	32	1.5D	0.25"	75.42	3532-8GK	20	4.4	3532-8GI	3500-HIT6	3500-TB6
10G	24	1.5D	0.28"	69.87	3532-10GK	20	5.2	3532-10GI	3500-HIT7	3500-TB8
12G	24	1.5D	0.33"	71.06	3532-12GK	20	5.8	3532-12GI	3500-HIT8	3500-TB8
1/4	20	1.5D	0.38"	65.56	3532-1/4K	20	6.7	3532-1/4I	3500-HIT9	3500-TB9
5/16	18	1.5D	0.47"	71.82	3532-5/16K	20	8.3	3532-5/16I	3500-HIT10	3500-TB12
3/8	16	1.5D	0.56"	84.83	3532-3/8K	15	9.9	3532-3/8I	3500-HIT13	3500-TB12
7/16	14	1.5D	0.66"	98.93	3532-7/16K	10	11.6	3532-7/16I	3500-HIT14	3500-TB14
1/2	13	1.5D	0.75"	105.36	3532-1/2K	10	13.0	3532-1/2I	3500-HIT15	3500-TB15
9/16	12	1.5D	0.84"	130.12	3532-9/16K	10	15.0*	3532-9/16I	3500-HIT16	-
5/8	11	1.5D	0.94"	141.94	3532-5/8K	10	16.5*	3532-5/8I	3500-HIT18	-
3/4	10	1.5D	1.13"	195.83	3532-3/4K	5	19.8*	3532-3/4I	3500-HIT20	-
7/8	9	1.5D	1.31"	240.04	3532-7/8K	5	23.0*	3532-7/8I	3500-HIT22	-
1	8	1.5D	1.50"	286.15	3532-1K	5	26.2*	3532-1I	3500-HIT23	-
1-1/8	7	1.5D	1.69"	380.76	3532-1.1/8K	3	29.5*	3532-1.1/8I	3500-HIT25	-
1-1/4	7	1.5D	1.88"	463.65	3532-1.1/4K	3	32.5*	3532-1.1/4I	3500-HIT26	-
1-3/8	6	1.5D	2.06"	542.86	3532-1.3/8K	3	36.0*	3532-1.3/8I	3500-HIT27	-
1-1/2	6	1.5D	2.25"	694.43	3532-1.1/2K	3	39.5*	3532-1.1/2I	3500-HIT28	-

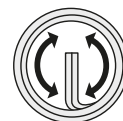
UNF

INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
3G	56	1.5D	0.15"	81.23	3534-3GK	20	2.7	3534-3GI	3500-HIT3	3500-TB3
4G	48	1.5D	0.17"	78.65	3534-4GK	20	3.0	3534-4GI	3500-HIT4	3500-TB4
6G	40	1.5D	0.21"	124.38	3534-6GK	20	3.8	3534-6GI	3500-HIT5	3500-TB5
8G	36	1.5D	0.25"	124.68	3534-8GK	20	4.4	3534-8GI	3500-HIT6	3500-TB6
10G	32	1.5D	0.28"	69.61	3534-10GK	20	5.1	3534-10GI	3500-HIT8	3500-TB8
12G	28	1.5D	0.32"	71.06	3534-12GK	20	5.7	3534-12GI	3500-HIT8	3500-TB8
1/4	28	1.5D	0.38"	65.56	3534-1/4K	20	6.7	3534-1/4I	3500-HIT9	3500-TB9
5/16	24	1.5D	0.47"	71.82	3534-5/16K	20	8.3	3534-5/16I	3500-HIT11	3500-TB12
3/8	24	1.5D	0.56"	84.83	3534-3/8K	15	9.8	3534-3/8I	3500-HIT13	3500-TB13
7/16	16	1.5D	0.66"	131.20	3534-7/16-16K	10	11.5	3534-7/16-16I	3500-HIT14	3500-TB14
7/16	20	1.5D	0.66"	100.95	3534-7/16K	10	11.5	3534-7/16I	3500-HIT14	3500-TB14
1/2	20	1.5D	0.75"	114.65	3534-1/2K	10	13.0	3534-1/2I	3500-HIT15	3500-TB15
9/16	18	1.5D	0.84"	130.12	3534-9/16K	10	14.7*	3534-9/16I	3500-HIT16	-
5/8	18	1.5D	0.94"	141.94	3534-5/8K	10	16.3*	3534-5/8I	3500-HIT18	-
3/4	16	1.5D	1.13"	195.83	3534-3/4K	5	19.5*	3534-3/4I	3500-HIT21	-
7/8	14	1.5D	1.31"	240.04	3534-7/8K	5	22.5*	3534-7/8I	3500-HIT22	-
1	12	1.5D	1.50"	286.15	3534-1K	5	26.0*	3534-1I	3500-HIT23	-
1	14	1.5D	1.50"	298.79	3535-1K	5	26.0*	3535-1I	3500-HIT23	-
1-1/8	12	1.5D	1.69"	380.76	3534-1.1/8K	3	29.5*	3534-1.1/8I	3500-HIT25	-
1-1/4	12	1.5D	1.88"	463.65	3534-1.1/4K	3	32.5*	3534-1.1/4I	3500-HIT26	-
1-3/8	12	1.5D	2.06"	542.86	3534-1.3/8K	3	35.5*	3534-1.3/8I	3500-HIT27	-
1-1/2	12	1.5D	2.25"	694.43	3534-1.1/2K	3	38.5*	3534-1.1/2I	3500-HIT28	-

* 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											
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	
1/8	40	1.5D	0.19"	82.37	3528-1/8K	20	3.4	3528-1/8I	3500-HIT4	3500-TB4	
3/16	24	1.5D	0.28"	70.75	3528-3/16K	20	5.0	3528-3/16I	3500-HIT7	3500-TB8	
1/4	20	1.5D	0.38"	69.35	3528-1/4K	20	6.7	3528-1/4I	3500-HIT9	3500-TB9	
5/16	18	1.5D	0.47"	74.47	3528-5/16K	20	8.3	3528-5/16I	3500-HIT10	3500-TB11	
3/8	16	1.5D	0.56"	87.36	3528-3/8K	15	9.9	3528-3/8I	3500-HIT11	3500-TB12	
7/16	14	1.5D	0.66"	103.47	3528-7/16K	10	11.5	3528-7/16I	3500-HIT14	3500-TB14	
1/2	12	1.5D	0.75"	115.98	3528-1/2K	10	13.0	3528-1/2I	3500-HIT15	3500-TB15	
9/16	12	1.5D	0.84"	132.66	3528-9/16K	10	14.8*	3528-9/16I	3500-HIT16	-	
5/8	11	1.5D	0.94"	147.81	3528-5/8K	10	16.7*	3528-5/8I	3500-HIT18	-	
3/4	10	1.5D	1.13"	195.83	3528-3/4K	5	20.0*	3528-3/4I	3500-HIT20	-	
7/8	9	1.5D	1.31"	238.76	3528-7/8K	5	23.2*	3528-7/8I	3500-HIT22	-	
1	8	1.5D	1.50"	303.21	3528-1K	5	26.5*	3528-1I	3500-HIT23	-	

BSF											
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	
3/16	32	1.5D	0.28"	96.08	3530-3/16K	20	5.0	3530-3/16I	3500-HIT8	3500-TB6	
1/4	26	1.5D	0.38"	95.82	3530-1/4K	20	6.6	3530-1/4I	3500-HIT9	3500-TB9	
5/16	22	1.5D	0.47"	102.34	3530-5/16K	20	8.3	3530-5/16I	3500-HIT11	3500-TB11	
3/8	20	1.5D	0.56"	108.83	3530-3/8K	15	9.9	3530-3/8I	3500-HIT13	3500-TB12	
7/16	18	1.5D	0.66"	125.76	3530-7/16K	10	11.5	3530-7/16I	3500-HIT14	3500-TB14	
1/2	16	1.5D	0.75"	150.08	3530-1/2K	10	13.0	3530-1/2I	3500-HIT15	3500-TB15	
9/16	16	1.5D	0.84"	157.92	3530-9/16K	10	14.8*	3530-9/16I	3500-HIT16	-	
5/8	14	1.5D	0.94"	197.09	3530-5/8K	10	16.3*	3530-5/8I	3500-HIT18	-	
3/4	12	1.5D	1.13"	289.30	3530-3/4K	5	19.5*	3530-3/4I	3500-HIT20	-	
7/8	11	1.5D	1.31"	352.47	3530-7/8K	5	22.8*	3530-7/8I	3500-HIT22	-	
1	10	1.5D	1.50"	406.17	3530-1K	5	26.2*	3530-1I	3500-HIT23	-	

BSP											
INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #	
1/8	28	1.5D	0.19"	111.24	3546-1/8K	10	10.0*	3546-1/8I	3500-HIT14	-	
1/4	19	1.5D	0.38"	144.83	3546-1/4K	10	13.6*	3546-1/4I	3500-HIT16	-	
3/8	19	1.5D	0.56"	180.40	3546-3/8K	10	17.1*	3546-3/8I	3500-HIT20	-	
1/2	14	1.5D	0.75"	301.64	3546-1/2K	10	21.5*	3546-1/2I	3500-HIT23	-	
5/8	14	1.5D	0.94"	371.39	3546-5/8K	10	23.4*	3546-5/8I	3500-HIT23	-	
3/4	14	1.5D	1.13"	417.07	3546-3/4K	10	27.0*	3546-3/4I	3500-HIT24	-	
7/8	14	1.5D	1.31"	464.98	3546-7/8K	5	30.5*	3546-7/8I	3500-HIT27	-	
1	11	1.5D	1.50"	493.58	3546-1K	5	33.7*	3546-1I	3500-HIT27	-	

* 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

INCH	TPI	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #
1/16	27	0.271"	138.97	3552-1/16K	10	K*	3552-1/16I	3500-HIT10	-
1/8	27	0.273"	138.97	3552-1/8K	10	U*	3552-1/8I	3500-HIT13	-
1/4	18	0.394"	189.50	3552-1/4K	10	31/64*	3552-1/4I	3500-HIT16	-
3/8	18	0.407"	265.30	3552-3/8K	10	5/8*	3552-3/8I	3500-HIT18	-
1/2	14	0.534"	347.42	3552-1/2K	10	35/32*	3552-1/2I	3500-HIT22	-
3/4	14	0.553"	473.75	3552-3/4K	10	63/64*	3552-3/4I	3500-HIT24	-
1	11.5	0.661"	656.93	3552-1K	10	1-1/4*	3552-1I	3500-HIT27	-



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

8-UN

INCH	TPI	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #
1-1/8	8	1.5D 1.69"	542.55	3570-1.1/8K	3	28.5*	3570-1.1/8I	3500-HIT25	-
1-1/4	8	1.5D 1.88"	644.31	3570-1.1/4K	3	32.0*	3570-1.1/4I	3500-HIT26	-
1-3/8	8	1.5D 2.06"	797.08	3570-1.3/8K	3	35.0*	3570-1.3/8I	3500-HIT27	-
1-1/2	8	1.5D 2.25"	664.43	3570-1.1/2K	3	38.0*	3570-1.1/2I	3500-HIT28	-
1-5/8	8	1.5D 2.44"	995.62	3570-1.5/8K	3	41.0*	3570-1.5/8I	3500-HIT28	-
1-3/4	8	1.5D 2.63"	1100.57	3570-1.3/4K	3	44.5*	3570-1.3/4I	3500-HIT28	-
1-7/8	8	1.5D 2.81"	1297.37	3570-1.7/8K	3	47.5*	3570-1.7/8I	3500-HIT30	-
2	8	1.5D 3.00"	1387.74	3570-2K	3	50.8*	3570-2I	3500-HIT30	-



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

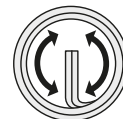
BSC

INCH	TPI	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #
1/4	26	1.5D 0.38"	72.75	3560-1/4K	20	6.6	3560-1/4I	3500-HIT10	3500-TB9
5/16	26	1.5D 0.47"	83.82	3560-5/16K	20	8.0	3560-5/16I	3500-HIT11	3500-TB12
3/8	26	1.5D 0.56"	91.11	3560-3/8K	15	9.8	3560-3/8I	3500-HIT13	3500-TB13
7/16	26	1.5D 0.66"	110.54	3560-7/16K	10	11.1	3560-7/16I	3500-HIT14	3500-TB14
1/2	26	1.5D 0.75"	126.33	3560-1/2K	10	12.7	3560-1/2I	3500-HIT15	3500-TB15

BA

INCH	MM	INCH	INSTALLED LENGTH	\$	PART #	#	MM	PART #	PART #	PART #
0	0.236	6.0	0.0394 1.5D 0.35"	214.77	3544-0K	20	6.2	3544-0I	3500-HIT9	3500-TB11
2	0.185	4.7	0.0319 1.5D 0.28"	107.38	3544-2K	20	4.9	3544-2I	3500-HIT7	3500-TB8
4	0.142	3.6	0.0260 1.5D 0.21"	107.38	3544-4K	20	3.8	3544-4I	3500-HIT5	3500-TB5
6	0.110	2.8	0.0209 1.5D 0.17"	164.24	3544-6K	20	2.9	3544-6I	3500-HIT3	3500-TB3

* Tapping drill not included in thread repair kit.



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

METRIC COARSE M5-M12

MM	MM	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
5.00	0.80	1.5D	7.5MM	404.27	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

MM	MM	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
6.00	1.00	1.5D	9.0MM	486.39	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

MM	MM	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
10.00	1.00	-	0.339"	395.77	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	-	-	-	-
14.00	1.25	-	3/8"			5	-	3522-14.00PN	3500-HIT17	-
-	-	-	1/2"			5	-	-	-	-
-	-	-	3/4"			5	-	-	-	-





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



**UNC
UNF
BSW
BSF**

UNC 1/4" – UNC 1/2"

INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	20	1.5D	0.38"	413.30.17	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"

INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	28	1.5D	0.38"	413.30	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"

INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	20	1.5D	0.38"	419.44	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"

INCH	TPI	INSTALLED LENGTH		\$	PART #	#	MM	PART #	PART #	PART #
1/4	26	1.5D	0.38"	545.71	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



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	9.01	3520-2.00X1.0DP				
2.00	0.40	1.5D	3.00MM	10			9.92	3520-2.00X1.5DP		
2.00	0.40	2.0D	4.00MM	10					10.53	3520-2.00X2.0DP
2.20	0.45	1.0D	2.20MM	10	8.12	3520-2.20X1.0DP				
2.20	0.45	1.5D	3.30MM	10			8.72	3520-2.20X1.5DP		
2.20	0.45	2.0D	4.40MM	10					9.01	3520-2.20X2.0DP
2.50	0.45	1.0D	2.50MM	10	7.37	3520-2.50X1.0DP				
2.50	0.45	1.5D	3.75MM	10			7.84	3520-2.50X1.5DP		
2.50	0.45	2.0D	5.00MM	10					8.25	3520-2.50X2.0DP
3.00	0.50	1.0D	3.00MM	10	7.37	3520-3.00X1.0DP				
3.00	0.50	1.5D	4.50MM	10			7.84	3520-3.00X1.5DP		
3.00	0.50	2.0D	6.00MM	10					8.25	3520-3.00X2.0DP
3.50	0.60	1.0D	3.50MM	10	7.81	3520-3.50X1.0DP				
3.50	0.60	1.5D	5.25MM	10			8.40	3520-3.50X1.5DP		
3.50	0.60	2.0D	7.00MM	10					9.01	3520-3.50X2.0DP
4.00	0.70	1.0D	4.00MM	10	7.37	3520-4.00X1.0DP				
4.00	0.70	1.5D	6.00MM	10			7.84	3520-4.00X1.5DP		
4.00	0.70	2.0D	8.00MM	10					8.25	3520-4.00X2.0DP
5.00	0.80	1.0D	5.00MM	10	7.37	3520-5.00X1.0DP				
5.00	0.80	1.5D	7.50MM	10			7.84	3520-5.00X1.5DP		
5.00	0.80	2.0D	10.00MM	10					8.25	3520-5.00X2.0DP
6.00	1.00	1.0D	6.00MM	10	8.07	3520-6.00X1.0DP				
6.00	1.00	1.5D	9.00MM	10			8.83	3520-6.00X1.5DP		
6.00	1.00	2.0D	12.00MM	10					9.32	3520-6.00X2.0DP
7.00	1.00	1.0D	7.00MM	10	8.25	3520-7.00X1.0DP				
7.00	1.00	1.5D	10.50MM	10			9.66	3520-7.00X1.5DP		
7.00	1.00	2.0D	14.00MM	10					10.64	3520-7.00X2.0DP
8.00	1.25	1.0D	8.00MM	10	8.52	3520-8.00X1.0DP				
8.00	1.25	1.5D	12.00MM	10			9.66	3520-8.00X1.5DP		
8.00	1.25	2.0D	16.00MM	10					10.64	3520-8.00X2.0DP
9.00	1.25	1.0D	9.00MM	10	12.00	3520-9.00X1.0DP				
9.00	1.25	1.5D	13.50MM	10			13.58	3520-9.00X1.5DP		
9.00	1.25	2.0D	18.00MM	10					15.48	3520-9.00X2.0DP
10.00	1.50	1.0D	10.00MM	10	12.00	3520-10.00X1.0DP				
10.00	1.50	1.5D	15.00MM	10			13.58	3520-10.00X1.5DP		
10.00	1.50	2.0D	20.00MM	10					15.48	3520-10.00X2.0DP
11.00	1.50	1.0D	11.00MM	10	17.53	3520-11.00X1.0DP				
11.00	1.50	1.5D	16.50MM	10			18.95	3520-11.00X1.5DP		
11.00	1.50	2.0D	22.00MM	10					22.11	3520-11.00X2.0DP
12.00	1.75	1.0D	12.00MM	10	17.53	3520-12.00X1.0DP				
12.00	1.75	1.5D	18.00MM	10			18.95	3520-12.00X1.5DP		
12.00	1.75	2.0D	24.00MM	10					22.11	3520-12.00X2.0DP
13.00	1.75	1.0D	13.00MM	5	17.55	3520-13.00X1.0DP				
13.00	1.75	1.5D	19.50MM	5			22.48	3520-13.00X1.5DP		
13.00	1.75	2.0D	26.00MM	5					28.13	3520-13.00X2.0DP
14.00	2.00	1.0D	14.00MM	5	11.71	3520-14.00X1.0DP				
14.00	2.00	1.5D	21.00MM	5			15.01	3520-14.00X1.5DP		
14.00	2.00	2.0D	28.00MM	5					18.76	3520-14.00X2.0DP
15.00	2.00	1.0D	15.00MM	5	15.01	3520-15.00X1.0DP				
15.00	2.00	1.5D	22.50MM	5			18.48	3520-15.00X1.5DP		
15.00	2.00	2.0D	30.00MM	5					23.69	3520-15.00X2.0DP



GROUP	PCRIP
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	15.01	3520-16.00X1.0DP				
16.00	2.00	1.5D	24.00MM	5			18.48	3520-16.00X1.5DP		
16.00	2.00	2.0D	32.00MM	5					23.69	3520-16.00X2.0DP
18.00	2.50	1.0D	18.00MM	5	21.46	3520-18.00X1.0DP				
18.00	2.50	1.5D	27.00MM	5			25.25	3520-18.00X1.5DP		
18.00	2.50	2.0D	36.00MM	5					33.15	3520-18.00X2.0DP
20.00	2.50	1.0D	20.00MM	5	30.01	3520-20.00X1.0DP				
20.00	2.50	1.5D	30.00MM	5			34.74	3520-20.00X1.5DP		
20.00	2.50	2.0D	40.00MM	5					39.49	3520-20.00X2.0DP
22.00	2.50	1.0D	22.00MM	3	22.74	3520-22.00X1.0DP				
22.00	2.50	1.5D	33.00MM	3			26.06	3520-22.00X1.5DP		
22.00	2.50	2.0D	44.00MM	3					30.33	3520-22.00X2.0DP
24.00	3.00	1.0D	24.00MM	3	28.42	3520-24.00X1.0DP				
24.00	3.00	1.5D	36.00MM	3			32.21	3520-24.00X1.5DP		
24.00	3.00	2.0D	48.00MM	3					36.94	3520-24.00X2.0DP

METRIC COARSE										
MM	MM	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
3.00	0.50	2.5D	7.50MM	10	8.90	3520-3.00X2.5DP				
4.00	0.70	2.5D	10.00MM	10	8.90	3520-4.00X2.5DP				
4.00	0.70	3.0D	12.00MM	10			9.94	3520-4.00X3.0DP		
6.00	1.00	2.5D	15.00MM	10	10.06	3520-6.00X2.5DP				
6.00	1.00	3.0D	18.00MM	10			11.11	3520-6.00X3.0DP		
7.00	1.00	3.0D	21.00MM	10			14.32	3520-7.00X3.0DP		
8.00	1.25	2.5D	20.00MM	10	13.24	3520-8.00X2.5DP				
8.00	1.25	3.0D	24.00MM	10			13.28	3520-8.00X3.0DP		
9.00	1.25	3.0D	27.00MM	10			22.11	3520-9.00X3.0DP		
10.00	1.50	2.5D	25.00MM	10	20.75	3520-10.00X2.5DP				
10.00	1.50	3.0D	30.00MM	10			22.11	3520-10.00X3.0DP		
12.00	1.75	2.5D	30.00MM	10	26.55	3520-12.00X2.5DP				
12.00	1.75	3.0D	36.00MM	10			28.42	3520-12.00X3.0DP		
14.00	2.00	2.5D	35.00MM	5	23.29	3520-14.00X2.5DP				
14.00	2.00	3.0D	42.00MM	5			27.02	3520-14.00X3.0DP		
16.00	2.00	2.5D	40.00MM	5	28.42	3520-16.00X2.5DP				
24.00	3.00	2.5D	60.00MM	3	44.53	3520-24.00X2.5DP				



MF

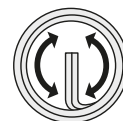
GROUP	PCRP
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC FINE										
MM	MM	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
6.00	0.75	1.0D	6.00MM	10	8.07	3521-6.00X1.0DP				
6.00	0.75	1.5D	9.00MM	10			8.83	3521-6.00X1.5DP		
6.00	0.75	2.0D	12.00MM	10					9.32	3521-6.00X2.0DP
8.00	1.00	1.0D	8.00MM	10	8.52	3521-8.00X1.0DP				
8.00	1.00	1.5D	12.00MM	10			9.66	3521-8.00X1.5DP		
8.00	1.00	2.0D	16.00MM	10					10.64	3521-8.00X2.0DP
8.00	0.75	1.0D	8.00MM	10	12.00	3523-8.00X1.0DP				
8.00	0.75	1.5D	12.00MM	10			13.58	3523-8.00X1.5DP		
8.00	0.75	2.0D	16.00MM	10					15.48	3523-8.00X2.0DP
9.00	1.00	1.0D	9.00MM	10	12.00	3521-9.00X1.0DP				
9.00	1.00	1.5D	13.50MM	10			13.58	3521-9.00X1.5DP		
9.00	1.00	2.0D	18.00MM	10					15.48	3521-9.00X2.0DP
10.00	1.25	1.0D	10.00MM	10	12.00	3521-10.00X1.0DP				
10.00	1.25	1.5D	15.00MM	10			13.58	3521-10.00X1.5DP		
10.00	1.25	2.0D	20.00MM	10					15.48	3521-10.00X2.0DP
10.00	1.00	1.0D	10.00MM	10	12.00	3523-10.00X1.0DP				
10.00	1.00	1.5D	15.00MM	10			13.58	3523-10.00X1.5DP		
10.00	1.00	2.0D	20.00MM	10					15.48	3523-10.00X2.0DP
11.00	1.25	1.0D	11.00MM	10	17.53	3521-11.00X1.0DP				
11.00	1.25	1.5D	16.50MM	10			18.95	3521-11.00X1.5DP		
11.00	1.25	2.0D	22.00MM	10					22.11	3521-11.00X2.0DP
11.00	1.00	1.0D	11.00MM	10	17.53	3523-11.00X1.0DP				
11.00	1.00	1.5D	16.50MM	10			18.95	3523-11.00X1.5DP		
11.00	1.00	2.0D	22.00MM	10					22.11	3523-11.00X2.0DP
12.00	1.50	1.0D	12.00MM	10	17.53	3521-12.00X1.0DP				
12.00	1.50	1.5D	18.00MM	10			18.95	3521-12.00X1.5DP		
12.00	1.50	2.0D	24.00MM	10					22.11	3521-12.00X2.0DP
12.00	1.25	1.0D	12.00MM	10	17.53	3523-12.00X1.0DP				
12.00	1.25	1.5D	18.00MM	10			18.95	3523-12.00X1.5DP		
12.00	1.25	2.0D	24.00MM	10					22.11	3523-12.00X2.0DP
12.00	1.00	1.0D	12.00MM	10	18.95	3524-12.00X1.0DP				
12.00	1.00	1.5D	18.00MM	10			26.53	3524-12.00X1.5DP		
12.00	1.00	2.0D	24.00MM	10					33.48	3524-12.00X2.0DP
13.00	1.50	1.0D	13.00MM	5	17.55	3521-13.00X1.0DP				
13.00	1.50	1.5D	19.50MM	5			22.48	3521-13.00X1.5DP		
13.00	1.50	2.0D	26.00MM	5					28.13	3521-13.00X2.0DP
13.00	1.25	1.0D	13.00MM	5	17.55	3523-13.00X1.0DP				
13.00	1.25	1.5D	19.50MM	5			22.48	3523-13.00X1.5DP		
13.00	1.25	2.0D	26.00MM	5					28.13	3523-13.00X2.0DP
14.00	1.50	1.0D	14.00MM	5	11.71	3521-14.00X1.0DP				
14.00	1.50	1.5D	21.00MM	5			15.01	3521-14.00X1.5DP		
14.00	1.50	2.0D	28.00MM	5					18.76	3521-14.00X2.0DP
14.00	1.25	1.0D	14.00MM	5	11.69	3523-14.00X1.0DP				
14.00	1.25	1.5D	21.00MM	5			15.01	3523-14.00X1.5DP		
14.00	1.25	2.0D	28.00MM	5					22.11	3523-14.00X2.0DP
14.00	1.00	1.0D	14.00MM	5	12.63	3524-14.00X1.0DP				
14.00	1.00	1.5D	21.00MM	5			14.21	3524-14.00X1.5DP		
14.00	1.00	2.0D	28.00MM	5					22.11	3524-14.00X2.0DP
15.00	1.50	1.0D	15.00MM	5	15.01	3521-15.00X1.0DP				
15.00	1.50	1.5D	22.50MM	5			18.48	3521-15.00X1.5DP		
15.00	1.50	2.0D	30.00MM	5					23.69	3521-15.00X2.0DP



GROUP	PCR
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	15.01	3521-16.00X1.0DP					
16.00	1.50	1.5D	24.00MM	5			18.48	3521-16.00X1.5DP			
16.00	1.50	2.0D	32.00MM	5					23.69	3521-16.00X2.0DP	
18.00	2.00	1.0D	18.00MM	5	21.46	3521-18.00X1.0DP					
18.00	2.00	1.5D	27.00MM	5			25.25	3521-18.00X1.5DP			
18.00	2.00	2.0D	36.00MM	5					33.15	3521-18.00X2.0DP	
18.00	1.50	1.0D	18.00MM	5	21.46	3523-18.00X1.0DP					
18.00	1.50	1.5D	27.00MM	5			25.25	3523-18.00X1.5DP			
18.00	1.50	2.0D	36.00MM	5					33.15	3523-18.00X2.0DP	
20.00	2.00	1.0D	20.00MM	5	30.01	3521-20.00X1.0DP					
20.00	2.00	1.5D	30.00MM	5			34.74	3521-20.00X1.5DP			
20.00	2.00	2.0D	40.00MM	5					39.49	3521-20.00X2.0DP	
20.00	1.50	1.0D	20.00MM	5	30.01	3523-20.00X1.0DP					
20.00	1.50	1.5D	30.00MM	5			34.74	3523-20.00X1.5DP			
20.00	1.50	2.0D	40.00MM	5					39.49	3523-20.00X2.0DP	
20.00	1.25	1.5D	30.00MM	5			43.44	3524-20.00X1.5DP			
22.00	2.00	1.0D	22.00MM	3	22.74	3521-22.00X1.0DP					
22.00	2.00	1.5D	33.00MM	3			26.06	3521-22.00X1.5DP			
22.00	2.00	2.0D	44.00MM	3					30.33	3521-22.00X2.0DP	
22.00	1.50	1.0D	22.00MM	3	22.74	3523-22.00X1.0DP					
22.00	1.50	1.5D	33.00MM	3			26.06	3523-22.00X1.5DP			
22.00	1.50	2.0D	44.00MM	3					30.33	3523-22.00X2.0DP	
24.00	2.00	1.0D	24.00MM	3	28.42	3521-24.00X1.0DP					
24.00	2.00	1.5D	36.00MM	3			32.21	3521-24.00X1.5DP			
24.00	2.00	2.0D	48.00MM	3					36.94	3521-24.00X2.0DP	
24.00	1.50	1.0D	24.00MM	3	28.42	3523-24.00X1.0DP					
24.00	1.50	1.5D	36.00MM	3			32.21	3523-24.00X1.5DP			
24.00	1.50	2.0D	48.00MM	3					36.94	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	12.27	3522-10.00X.339P				
10.00	1.00	1/2"	10			13.88	3522-10.00X1/2P		
12.00	1.25	1/2"	10			17.88	3522-12.00X1/2P		
12.00	1.25	3/4"	10					18.95	3522-12.00X3/4P
18.00	1.50	1/2"	5			14.82	3522-18.00X1/2P		

SPARK PLUG									
MM	MM	INST LENGTH	#	\$	PART #	\$	PART #	\$	PART #
14.00	1.25	3/8"	10	10.47	3522-14.00X3/8P				
14.00	1.25	7/16"	10			13.39	3522-14.00X7/16P		
14.00	1.25	1/2"	10					15.96	3522-14.00X1/2P
14.00	1.25	3/4"	10					20.97	3522-14.00X3/4P

SPARK PLUG									
MM	MM	INST LENGTH	#	\$	PART #	\$	PART #	\$	PART #
14.00	1.25	8.4MM	10	10.25	3522-14.00X8.4P				
14.00	1.25	12.4MM	10			15.88	3522-14.00X12.4P		
14.00	1.25	16.4MM	10					21.74	3522-14.00X16.4P



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

UNC										
						1.0D		1.5D		2.0D
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
2G	56	1.0D	0.09"	10	9.47	3532-2GX1.0DP				
2G	56	1.5D	0.13"	10			10.28	3532-2GX1.5DP		
2G	56	2.0D	0.17"	10					10.74	3532-2GX2.0DP
3G	48	1.0D	0.10"	10	15.79	3532-3GX1.0DP				
3G	48	1.5D	0.15"	10			17.05	3532-3GX1.5DP		
3G	48	2.0D	0.20"	10					18.01	3532-3GX2.0DP
4G	40	1.0D	0.11"	10	7.27	3532-4GX1.0DP				
4G	40	1.5D	0.17"	10			7.73	3532-4GX1.5DP		
4G	40	2.0D	0.22"	10					8.22	3532-4GX2.0DP
5G	40	1.0D	0.13"	10	7.27	3532-5GX1.0DP				
5G	40	1.5D	0.19"	10			7.73	3532-5GX1.5DP		
5G	40	2.0D	0.25"	10					8.22	3532-5GX2.0DP
6G	32	1.0D	0.14"	10	7.27	3532-6GX1.0DP				
6G	32	1.5D	0.21"	10			7.73	3532-6GX1.5DP		
6G	32	2.0D	0.28"	10					8.22	3532-6GX2.0DP
8G	32	1.0D	0.16"	10	7.27	3532-8GX1.0DP				
8G	32	1.5D	0.25"	10			7.73	3532-8GX1.5DP		
8G	32	2.0D	0.33"	10					8.22	3532-8GX2.0DP
10G	24	1.0D	0.19"	10	7.27	3532-10GX1.0DP				
10G	24	1.5D	0.29"	10			7.73	3532-10GX1.5DP		
10G	24	2.0D	0.38"	10					8.22	3532-10GX2.0DP
12G	24	1.0D	0.22"	10	8.38	3532-12GX1.0DP				
12G	24	1.5D	0.32"	10			8.70	3532-12GX1.5DP		
12G	24	2.0D	0.43"	10					9.79	3532-12GX2.0DP
1/4	20	1.0D	0.25"	10	8.38	3532-1/4X1.0DP				
1/4	20	1.5D	0.38"	10			8.70	3532-1/4X1.5DP		
1/4	20	2.0D	0.50"	10					9.79	3532-1/4X2.0DP
5/16	18	1.0D	0.31"	10	9.16	3532-5/16X1.0DP				
5/16	18	1.5D	0.47"	10			9.64	3532-5/16X1.5DP		
5/16	18	2.0D	0.63"	10					10.59	3532-5/16X2.0DP
3/8	16	1.0D	0.38"	10	12.32	3532-3/8X1.0DP				
3/8	16	1.5D	0.56"	10			13.58	3532-3/8X1.5DP		
3/8	16	2.0D	0.75"	10					15.79	3532-3/8X2.0DP
7/16	14	1.0D	0.44"	10	15.15	3532-7/16X1.0DP				
7/16	14	1.5D	0.66"	10			16.11	3532-7/16X1.5DP		
7/16	14	2.0D	0.88"	10					18.01	3532-7/16X2.0DP
1/2	13	1.0D	0.50"	10	17.37	3532-1/2X1.0DP				
1/2	13	1.5D	0.75"	10			18.48	3532-1/2X1.5DP		
1/2	13	2.0D	1.00"	10					20.84	3532-1/2X2.0DP
9/16	12	1.0D	0.56"	5	11.05	3532-9/16X1.0DP				
9/16	12	1.5D	0.84"	5			12.63	3532-9/16X1.5DP		
9/16	12	2.0D	1.13"	5					18.17	3532-9/16X2.0DP
5/8	11	1.0D	0.63"	5	14.84	3532-5/8X1.0DP				
5/8	11	1.5D	0.94"	5			18.17	3532-5/8X1.5DP		
5/8	11	2.0D	1.25"	5					23.06	3532-5/8X2.0DP
3/4	10	1.0D	0.75"	5	21.33	3532-3/4X1.0DP				
3/4	10	1.5D	1.13"	5			25.19	3532-3/4X1.5DP		
3/4	10	2.0D	1.50"	5					33.15	3532-3/4X2.0DP
7/8	9	1.0D	0.88"	3	21.80	3532-7/8X1.0DP				
7/8	9	1.5D	1.31"	3			25.58	3532-7/8X1.5DP		
7/8	9	2.0D	1.75"	3					29.38	3532-7/8X2.0DP
1	8	1.0D	1.00"	3	27.96	3532-1X1.0DP				
1	8	1.5D	1.50"	3			32.21	3532-1X1.5DP		
1	8	2.0D	2.00"	3					36.94	3532-1X2.0DP



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



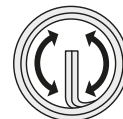
UNF										
INCH	TPI	INSTALLED LENGTH		#	\$	PART #	\$	PART #	\$	PART #
3G	56	1.0D	0.10"	10	15.79	3534-3GX1.0DP				
3G	56	1.5D	0.15"	10			17.05	3534-3GX1.5DP		
3G	56	2.0D	0.20"	10					18.01	3534-3GX2.0DP
4G	48	1.0D	0.11"	10	7.27	3534-4GX1.0DP				
4G	48	1.5D	0.17"	10			7.73	3534-4GX1.5DP		
4G	48	2.0D	0.22"	10					8.22	3534-4GX2.0DP
6G	40	1.0D	0.14"	10	7.27	3534-6GX1.0DP				
6G	40	1.5D	0.21"	10			7.73	3534-6GX1.5DP		
6G	40	2.0D	0.28"	10					8.22	3534-6GX2.0DP
8G	36	1.0D	0.16"	10	7.27	3534-8GX1.0DP				
8G	36	1.5D	0.25"	10			7.73	3534-8GX1.5DP		
8G	36	2.0D	0.33"	10					8.22	3534-8GX2.0DP
10G	32	1.0D	0.19"	10	7.27	3534-10GX1.0DP				
10G	32	1.5D	0.29"	10			7.73	3534-10GX1.5DP		
10G	32	2.0D	0.38"	10					8.22	3534-10GX2.0DP
12G	28	1.0D	0.22"	10	8.38	3534-12GX1.0DP				
12G	28	1.5D	0.32"	10			8.70	3534-12GX1.5DP		
12G	28	2.0D	0.43"	10					9.79	3534-12GX2.0DP
1/4	32	1.5D	0.38"	10			10.63	3535-1/4X1.5DP		
1/4	28	1.0D	0.25"	10	8.38	3534-1/4X1.0DP				
1/4	28	1.5D	0.38"	10			8.70	3534-1/4X1.5DP		
1/4	28	2.0D	0.50"	10					9.79	3534-1/4X2.0DP
5/16	24	1.0D	0.31"	10	9.16	3534-5/16X1.0DP				
5/16	24	1.5D	0.47"	10			9.64	3534-5/16X1.5DP		
5/16	24	2.0D	0.62"	10					10.59	3534-5/16X2.0DP
3/8	24	1.0D	0.38"	10	12.32	3534-3/8X1.0DP				
3/8	24	1.5D	0.57"	10			13.58	3534-3/8X1.5DP		
3/8	24	2.0D	0.76"	10					15.79	3534-3/8X2.0DP
7/16	20	1.0D	0.44"	10	15.15	3534-7/16X1.0DP				
7/16	20	1.5D	0.66"	10			16.11	3534-7/16X1.5DP		
7/16	20	2.0D	0.88"	10					18.01	3534-7/16X2.0DP
7/16	16	1.5D	0.66"	10			16.11	3534-7/16X1.5DP		
1/2	20	1.0D	0.50"	10	17.37	3534-1/2X1.0DP				
1/2	20	1.5D	0.75"	10			18.48	3534-1/2X1.5DP		
1/2	20	2.0D	1.00"	10					20.84	3534-1/2X2.0DP
9/16	18	1.0D	0.56"	5	11.05	3534-9/16X1.0DP				
9/16	18	1.5D	0.84"	5			12.63	3534-9/16X1.5DP		
9/16	18	2.0D	1.12"	5					18.17	3534-9/16X2.0DP
5/8	18	1.0D	0.63"	5	14.84	3534-5/8X1.0DP				
5/8	18	1.5D	0.95"	5			18.17	3534-5/8X1.5DP		
5/8	18	2.0D	1.26"	5					23.06	3534-5/8X2.0DP
3/4	16	1.0D	0.75"	5	21.33	3534-3/4X1.0DP				
3/4	16	1.5D	1.13"	5			25.19	3534-3/4X1.5DP		
3/4	16	2.0D	1.50"	5					33.15	3534-3/4X2.0DP
7/8	14	1.0D	0.88"	3	21.80	3534-7/8X1.0DP				
7/8	14	1.5D	1.32"	3			25.58	3534-7/8X1.5DP		
7/8	14	2.0D	1.76"	3					29.38	3534-7/8X2.0DP
1	14	1.0D	1.00"	3	27.96	3535-1X1.0DP				
1	14	1.5D	1.50"	3			32.21	3535-1X1.5DP		
1	14	2.0D	2.00"	3					36.94	3535-1X2.0DP
1	12	1.0D	1.00"	3	27.96	3534-1X1.0DP				
1	12	1.5D	1.50"	3			32.21	3534-1X1.5DP		
1	12	2.0D	2.00"	3					36.94	3534-1X2.0DP



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



BSW											
INCH		TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
1/8	40	1.0D	0.13"	10	8.52	3528-1/8X1.0DP					
1/8	40	1.5D	0.20"	10			8.83	3528-1/8X1.5DP			
1/8	40	2.0D	0.26"	10					9.47	3528-1/8X2.0DP	
3/16	24	1.0D	0.19"	10	7.37	3528-3/16X1.0DP					
3/16	24	1.5D	0.29"	10			7.81	3528-3/16X1.5DP			
3/16	24	2.0D	0.38"	10					8.25	3528-3/16X2.0DP	
1/4	20	1.0D	0.25"	10	8.38	3528-1/4X1.0DP					
1/4	20	1.5D	0.38"	10			8.70	3528-1/4X1.5DP			
1/4	20	2.0D	0.50"	10					9.79	3528-1/4X2.0DP	
5/16	18	1.0D	0.31"	10	8.52	3528-5/16X1.0DP					
5/16	18	1.5D	0.47"	10			9.79	3528-5/16X1.5DP			
5/16	18	2.0D	0.62"	10					11.69	3528-5/16X2.0DP	
3/8	16	1.0D	0.38"	10	12.00	3528-3/8X1.0DP					
3/8	16	1.5D	0.57"	10			13.58	3528-3/8X1.5DP			
3/8	16	2.0D	0.76"	10					15.48	3528-3/8X2.0DP	
7/16	14	1.0D	0.44"	10	14.84	3528-7/16X1.0DP					
7/16	14	1.5D	0.66"	10			16.11	3528-7/16X1.5DP			
7/16	14	2.0D	0.88"	10					17.69	3528-7/16X2.0DP	
1/2	12	1.0D	0.50"	10	17.53	3528-1/2X1.0DP					
1/2	12	1.5D	0.75"	10			18.64	3528-1/2X1.5DP			
1/2	12	2.0D	1.00"	10					22.11	3528-1/2X2.0DP	
9/16	12	1.0D	0.56"	5	11.05	3528-9/16X1.0DP					
9/16	12	1.5D	0.84"	5			12.63	3528-9/16X1.5DP			
9/16	12	2.0D	1.12"	5					18.17	3528-9/16X2.0DP	
5/8	11	1.0D	0.63"	5	14.84	3528-5/8X1.0DP					
5/8	11	1.5D	0.95"	5			18.95	3528-5/8X1.5DP			
5/8	11	2.0D	1.26"	5					23.69	3528-5/8X2.0DP	
3/4	10	1.0D	0.75"	5	21.33	3528-3/4X1.0DP					
3/4	10	1.5D	1.13"	5			25.25	3528-3/4X1.5DP			
3/4	10	2.0D	1.50"	5					33.15	3528-3/4X2.0DP	
7/8	9	1.0D	0.88"	3	21.80	3528-7/8X1.0DP					
7/8	9	1.5D	1.32"	3			25.58	3528-7/8X1.5DP			
7/8	9	2.0D	1.76"	3					29.38	3528-7/8X2.0DP	
1	8	1.0D	1.00"	3	28.42	3528-1X1.0DP					
1	8	1.5D	1.50"	3			32.21	3528-1X1.5DP			
1	8	2.0D	2.00"	3					36.94	3528-1X2.0DP	



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

BSF										
					1.0D		1.5D		2.0D	
INCH	TPI	INSTALLED LENGTH		#	\$	PART #	\$	PART #	\$	PART #
3/16	32	1.0D	0.19"	10	7.37	3530-3/16X1.0DP				
3/16	32	1.5D	0.29"	10			7.81	3530-3/16X1.5DP		
3/16	32	2.0D	0.38"	10					8.25	3530-3/16X2.0DP
1/4	26	1.0D	0.25"	10	8.38	3530-1/4X1.0DP				
1/4	26	1.5D	0.38"	10			8.70	3530-1/4X1.5DP		
1/4	26	2.0D	0.50"	10					9.79	3530-1/4X2.0DP
5/16	22	1.0D	0.31"	10	8.52	3530-5/16X1.0DP				
5/16	22	1.5D	0.47"	10			9.79	3530-5/16X1.5DP		
5/16	22	2.0D	0.62"	10					11.69	3530-5/16X2.0DP
3/8	20	1.0D	0.38"	10	12.00	3530-3/8X1.0DP				
3/8	20	1.5D	0.57"	10			13.58	3530-3/8X1.5DP		
3/8	20	2.0D	0.76"	10					15.48	3530-3/8X2.0DP
7/16	18	1.0D	0.44"	10	14.84	3530-7/16X1.0DP				
7/16	18	1.5D	0.66"	10			16.11	3530-7/16X1.5DP		
7/16	18	2.0D	0.88"	10					17.69	3530-7/16X2.0DP
1/2	16	1.0D	0.50"	10	17.53	3530-1/2X1.0DP				
1/2	16	1.5D	0.75"	10			18.64	3530-1/2X1.5DP		
1/2	16	2.0D	1.00"	10					22.11	3530-1/2X2.0DP
9/16	16	1.0D	0.56"	5	11.05	3530-9/16X1.0DP				
9/16	16	1.5D	0.84"	5			12.63	3530-9/16X1.5DP		
9/16	16	2.0D	1.12"	5					18.17	3530-9/16X2.0DP
5/8	14	1.0D	0.63"	5	14.84	3530-5/8X1.0DP				
5/8	14	1.5D	0.95"	5			18.95	3530-5/8X1.5DP		
5/8	14	2.0D	1.26"	5					23.69	3530-5/8X2.0DP
3/4	12	1.0D	0.75"	5	21.33	3530-3/4X1.0DP				
3/4	12	1.5D	1.13"	5			25.25	3530-3/4X1.5DP		
3/4	12	2.0D	1.50"	5					33.15	3530-3/4X2.0DP
7/8	11	1.0D	0.88"	3	21.80	3530-7/8X1.0DP				
7/8	11	1.5D	1.32"	3			25.58	3530-7/8X1.5DP		
7/8	11	2.0D	1.76"	3					29.38	3530-7/8X2.0DP
1	10	1.0D	1.00"	3	28.42	3530-1X1.0DP				
1	10	1.5D	1.50"	3			32.21	3530-1X1.5DP		
1	10	2.0D	2.00"	3					36.94	3530-1X2.0DP



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

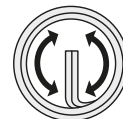


**BSC
BSP
NPT**

BSC									
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #
1/4	26	1.5D 0.38"	10			11.53	3560-1/4X1.5DP		
5/16	26	1.5D 0.47"	10			15.06	3560-5/16X1.5DP		
3/8	26	1.5D 0.56"	10			17.49	3560-3/8X1.5DP		
7/16	26	1.5D 0.66"	10			24.30	3560-7/16X1.5DP		
1/2	26	1.5D 0.75"	10			38.87	3560-1/2X1.5DP		

BSP									
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #
1/8	28	1.5D 0.19"	10			20.72	3546-1/8X1.5DP		
1/4	19	1.5D 0.38"	10			30.33	3546-1/4X1.5DP		
1/4	19	2.0D 0.50"	10					40.47	3546-1/4X2.0DP
3/8	19	1.5D 0.56"	10			37.91	3546-3/8X1.5DP		
1/2	14	1.5D 0.75"	5			30.95	3546-1/2X1.5DP		
5/8	14	1.5D 0.94"	5			44.22	3546-5/8X1.5DP		
5/8	14	2.0D 1.25"	5					55.58	3546-5/8X2.0DP
3/4	14	1.0D 0.75"	5	37.91	3546-3/4X1.0DP				
3/4	14	1.5D 1.13"	5			45.49	3546-3/4X1.5DP		
7/8	14	1.5D 1.32"	3			28.42	3546-7/8X1.5DP		
1	11	1.5D 1.50"	3			36.01	3546-1X1.5DP		

NPT									
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #
1/16	27	0.271"	10			20.72	3552-1/16X1.5DP		
1/8	27	0.273"	10			20.72	3552-1/8X1.5DP		
1/4	18	0.394"	10			30.33	3552-1/4X1.5DP		
3/8	18	0.407"	10			37.91	3552-3/8X1.5DP		
1/2	14	0.534"	5			30.95	3552-1/2X1.5DP		
3/4	14	0.553"	5			45.49	3552-3/4X1.5DP		
1	11	0.661"	3			36.01	3552-1X1.5DP		

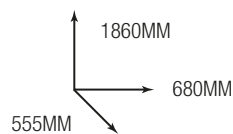


GROUP	—
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

MERCHANDISER	\$	PART #
POWERCOIL HANG SELL MERCHANDISER	2871.5	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	856.33	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	840.02	3500-CS2

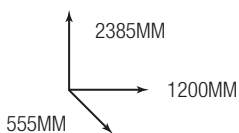
CONTENTS			
#	MM / INCH	PART #	PART #
	METRIC COARSE		
1	6 x 1.0	3520-6.00K	3520-6.00 x 1.0DP
1	6 x 1.0	-	3520-6.00 x 1.5DP
1	6 x 1.0	-	3520-6.00 x 2.0DP
1	8 x 1.25	3520-8.00K	3520-8.00 x 1.0DP
1	8 x 1.25	-	3520-8.00 x 1.5DP
1	8 x 1.25	-	3520-8.00 x 2.0DP
1	10 x 1.5	3520-10.00K	3520-10.00 x 1.5DP
1	12 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	7683.98	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

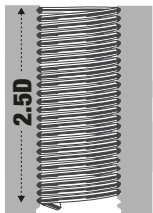
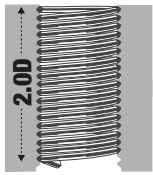
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					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
					1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
2.00	0.40	2.00	3520-2.00X1.0D						0.900	0.900	0.900	0.630	0.630	0.630	0.450	0.360	0.360	0.270		
2.20	0.45	2.20	3520-2.20X1.0D						0.810	0.810	0.810	0.570	0.570	0.570	0.410	0.320	0.320	0.240		
2.50	0.45	2.50	3520-2.50X1.0D						0.740	0.740	0.740	0.520	0.520	0.520	0.370	0.290	0.290	0.220		
3.00	0.50	3.00	3520-3.00X1.0D						0.740	0.740	0.740	0.520	0.520	0.520	0.370	0.290	0.290	0.220		
3.50	0.60	3.50	3520-3.50X1.0D						0.780	0.780	0.780	0.550	0.550	0.550	0.390	0.310	0.310	0.230		
4.00	0.70	4.00	3520-4.00X1.0D						0.740	0.740	0.740	0.520	0.520	0.520	0.370	0.290	0.290	0.220		
5.00	0.80	5.00	3520-5.00X1.0D						0.740	0.740	0.740	0.520	0.520	0.520	0.370	0.290	0.290	0.220		
6.00	1.00	6.00	3520-6.00X1.0D						0.810	0.810	0.810	0.560	0.560	0.560	0.400	0.320	0.320	0.240		
7.00	1.00	7.00	3520-7.00X1.0D						0.830	0.830	0.830	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
8.00	1.25	8.00	3520-8.00X1.0D						0.850	0.850	0.850	0.600	0.600	0.600	0.430	0.340	0.340	0.260		
9.00	1.25	9.00	3520-9.00X1.0D						1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360		
10.00	1.50	10.00	3520-10.00X1.0D						1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360		
11.00	1.50	11.00	3520-11.00X1.0D						1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530		
12.00	1.75	12.00	3520-12.00X1.0D						1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530		
13.00	1.75	13.00	3520-13.00X1.0D					3.510	3.510	3.510	2.460	2.460	2.460	1.750	1.400	1.400	1.050	1.050		
14.00	2.00	14.00	3520-14.00X1.0D					2.340	2.340	2.340	1.640	1.640	1.640	1.170	0.940	0.940	0.700	0.700		
15.00	2.00	15.00	3520-15.00X1.0D					3.010	3.010	3.010	2.110	2.110	2.110	1.500	1.200	1.200	0.900	0.900		
16.00	2.00	16.00	3520-16.00X1.0D					3.000	3.000	3.000	2.100	2.100	2.100	1.500	1.200	1.200	0.900	0.900		
18.00	2.50	18.00	3520-18.00X1.0D					4.290	4.290	4.290	3.010	3.010	3.010	2.150	1.720	1.720	1.290	1.290		
20.00	2.50	20.00	3520-20.00X1.0D					6.000	6.000	4.200	4.200	4.200	3.000	2.400	2.400	1.800	1.800	1.800		
22.00	2.50	22.00	3520-22.00X1.0D					7.580	7.580	5.310	5.310	5.310	3.790	3.030	3.030	2.270	2.270	2.270		
24.00	3.00	24.00	3520-24.00X1.0D					9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840	2.840	2.840		

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	\$ EACH		
					1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
2.00	0.40	3.00	3520-2.00X1.5D						0.990	0.990	0.990	0.690	0.690	0.690	0.500	0.400	0.400	0.300		
2.20	0.45	3.30	3520-2.20X1.5D						0.870	0.870	0.870	0.610	0.610	0.610	0.440	0.350	0.350	0.260		
2.50	0.45	3.75	3520-2.50X1.5D						0.780	0.780	0.780	0.550	0.550	0.550	0.390	0.310	0.310	0.230		
3.00	0.50	4.50	3520-3.00X1.5D						0.780	0.780	0.780	0.550	0.550	0.550	0.390	0.310	0.310	0.230		
3.50	0.60	5.25	3520-3.50X1.5D						0.840	0.840	0.840	0.590	0.590	0.590	0.420	0.340	0.340	0.250		
4.00	0.70	6.00	3520-4.00X1.5D						0.780	0.780	0.780	0.550	0.550	0.550	0.390	0.310	0.310	0.230		
5.00	0.80	7.50	3520-5.00X1.5D						0.780	0.780	0.780	0.550	0.550	0.550	0.390	0.310	0.310	0.230		
6.00	1.00	9.00	3520-6.00X1.5D						0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
7.00	1.00	10.50	3520-7.00X1.5D						0.970	0.970	0.970	0.680	0.680	0.680	0.480	0.390	0.390	0.290		
8.00	1.25	12.00	3520-8.00X1.5D						0.970	0.970	0.970	0.680	0.680	0.680	0.480	0.390	0.390	0.290		
9.00	1.25	13.50	3520-9.00X1.5D						1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410		
10.00	1.50	15.00	3520-10.00X1.5D						1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410		
11.00	1.50	16.50	3520-11.00X1.5D						1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570		
12.00	1.75	18.00	3520-12.00X1.5D						1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570		
13.00	1.75	19.50	3520-13.00X1.5D					4.490	4.490	4.490	3.150	3.150	3.150	2.250	1.800	1.800	1.350	1.350		
14.00	2.00	21.00	3520-14.00X1.5D					3.000	3.000	3.000	2.100	2.100	2.100	1.500	1.200	1.200	0.900	0.900		
15.00	2.00	22.50	3520-15.00X1.5D					3.700	3.700	3.700	2.590	2.590	2.590	1.850	1.480	1.480	1.110	1.110		
16.00	2.00	24.00	3520-16.00X1.5D					3.690	3.690	3.690	2.590	2.590	2.590	1.850	1.480	1.480	1.110	1.110		
18.00	2.50	27.00	3520-18.00X1.5D					5.050	5.050	5.050	3.540	3.540	3.540	2.530	2.020	2.020	1.520	1.520		
20.00	2.50	30.00	3520-20.00X1.5D					6.950	6.950	4.860	4.860	4.860	3.470	2.780	2.780	2.080	2.080	2.080		
22.00	2.50	33.00	3520-22.00X1.5D					8.680	8.680	6.080	6.080	6.080	4.340	3.470	3.470	2.610	2.610	2.610		
24.00	3.00	36.00	3520-24.00X1.5D					10.740	10.740	7.520	7.520	7.520	5.370	4.300	4.300	3.220	3.220	3.220		
27.00	3.00	40.50	3520-27.00X1.5D					16.200	16.200	11.340	11.340	8.100	6.480	6.480	4.860	4.860	4.860	4.860		
30.00	3.50	45.00	3520-30.00X1.5D					18.000	18.000	12.600	12.600	9.000	7.200	7.200	5.400	5.400	5.400	5.400		
33.00	3.50	49.50	3520-33.00X1.5D					20.530	20.530	14.370	14.370	10.260	8.210	8.210	6.160	6.160	6.160	6.160		
36.00	4.00	54.00	3520-36.00X1.5D					22.110	22.110	15.480	15.480	11.050	8.840	8.840	6.630	6.630	6.630	6.630		








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	\$ 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					1.050	1.050	1.050	0.740	0.740	0.740	0.530	0.420	0.420	0.320		
2.20	0.45	4.40	3520-2.20X2.0D					0.900	0.900	0.900	0.630	0.630	0.630	0.450	0.360	0.360	0.270		
2.50	0.45	5.00	3520-2.50X2.0D					0.830	0.830	0.830	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
3.00	0.50	6.00	3520-3.00X2.0D					0.830	0.830	0.830	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
3.50	0.60	7.00	3520-3.50X2.0D					0.900	0.900	0.900	0.630	0.630	0.630	0.450	0.360	0.360	0.270		
4.00	0.70	8.00	3520-4.00X2.0D					0.830	0.830	0.830	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
5.00	0.80	10.00	3520-5.00X2.0D					0.830	0.830	0.830	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
6.00	1.00	12.00	3520-6.00X2.0D					0.930	0.930	0.930	0.650	0.650	0.650	0.470	0.370	0.370	0.280		
7.00	1.00	14.00	3520-7.00X2.0D					1.060	1.060	1.060	0.740	0.740	0.740	0.530	0.430	0.430	0.320		
8.00	1.25	16.00	3520-8.00X2.0D					1.060	1.060	1.060	0.740	0.740	0.740	0.530	0.430	0.430	0.320		
9.00	1.25	18.00	3520-9.00X2.0D					1.550	1.550	1.550	1.080	1.080	1.080	0.770	0.620	0.620	0.470		
10.00	1.50	20.00	3520-10.00X2.0D					1.550	1.550	1.550	1.080	1.080	1.080	0.770	0.620	0.620	0.470		
11.00	1.50	22.00	3520-11.00X2.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
12.00	1.75	24.00	3520-12.00X2.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
13.00	1.75	26.00	3520-13.00X2.0D				5.630	5.630	5.630	3.940	3.940	3.940	2.810	2.250	2.250	1.690	1.690		
14.00	2.00	28.00	3520-14.00X2.0D				3.750	3.750	3.750	2.630	2.630	2.630	1.880	1.500	1.500	1.130	1.130		
15.00	2.00	30.00	3520-15.00X2.0D				4.740	4.740	4.740	3.320	3.320	3.320	2.370	1.900	1.900	1.420	1.420		
16.00	2.00	32.00	3520-16.00X2.0D				4.740	4.740	4.740	3.320	3.320	3.320	2.370	1.900	1.900	1.420	1.420		
18.00	2.50	36.00	3520-18.00X2.0D				6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990	1.990		
20.00	2.50	40.00	3520-20.00X2.0D				7.900	7.900	7.900	5.530	5.530	5.530	3.950	3.160	3.160	2.370	2.370		
22.00	2.50	44.00	3520-22.00X2.0D				10.110	10.110	7.080	7.080	7.080	5.050	4.040	4.040	3.030	3.030	3.030		
24.00	3.00	48.00	3520-24.00X2.0D				12.320	12.320	8.620	8.620	8.620	6.160	4.930	4.930	3.690	3.690	3.690		

METRIC COARSE – 2.5D BULK INSERTS

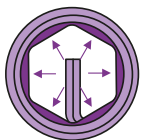
			 2.5D																
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
MM	MM	MM	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
2.00	0.40	5.00	3520-2.00X2.5D					1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360		
2.20	0.45	5.50	3520-2.20X2.5D					0.990	0.990	0.990	0.690	0.690	0.690	0.500	0.400	0.400	0.300		
2.50	0.45	6.25	3520-2.50X2.5D					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
3.00	0.50	7.50	3520-3.00X2.5D					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
3.50	0.60	8.75	3520-3.50X2.5D					0.990	0.990	0.990	0.690	0.690	0.690	0.500	0.400	0.400	0.300		
4.00	0.70	10.00	3520-4.00X2.5D					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
5.00	0.80	12.50	3520-5.00X2.5D					0.930	0.930	0.930	0.650	0.650	0.650	0.470	0.370	0.370	0.280		
6.00	1.00	15.00	3520-6.00X2.5D					1.010	1.010	1.010	0.710	0.710	0.710	0.500	0.400	0.400	0.300		
7.00	1.00	17.50	3520-7.00X2.5D					1.320	1.320	1.320	0.930	0.930	0.930	0.660	0.530	0.530	0.400		
8.00	1.25	20.00	3520-8.00X2.5D					1.320	1.320	1.320	0.930	0.930	0.930	0.660	0.530	0.530	0.400		
9.00	1.25	22.50	3520-9.00X2.5D					1.860	1.860	1.860	1.300	1.300	1.300	0.930	0.740	0.740	0.560		
10.00	1.50	25.00	3520-10.00X2.5D					1.860	1.860	1.860	1.300	1.300	1.300	0.930	0.740	0.740	0.560		
11.00	1.50	27.50	3520-11.00X2.5D					2.840	2.840	2.840	1.990	1.990	1.990	1.420	1.140	1.140	0.850		
12.00	1.75	30.00	3520-12.00X2.5D					2.840	2.840	2.840	1.990	1.990	1.990	1.420	1.140	1.140	0.850		
14.00	2.00	35.00	3520-14.00X2.5D				4.650	4.650	4.650	3.260	3.260	3.260	2.330	1.860	1.860	1.400	1.400		
16.00	2.00	40.00	3520-16.00X2.5D				5.690	5.690	5.690	3.980	3.980	3.980	2.840	2.270	2.270	1.710	1.710		
18.00	2.50	45.00	3520-18.00X2.5D				8.210	8.210	8.210	5.750	5.750	5.750	4.110	3.280	3.280	2.460	2.460		
20.00	2.50	50.00	3520-20.00X2.5D				8.700	8.700	8.700	6.090	6.090	6.090	4.350	3.480	3.480	2.610	2.610		
22.00	2.50	55.00	3520-22.00X2.5D				11.850	11.850	8.300	8.300	8.300	5.930	4.740	4.740	3.560	3.560	3.560		
24.00	3.00	60.00	3520-24.00X2.5D				14.840	14.840	10.390	10.390	10.390	7.420	5.940	5.940	4.450	4.450	4.450		



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

METRIC COARSE – 3.0D BULK INSERTS

 MC	 3.0D	 3.0D	PART #	<table border="1"> <tr> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>5</th> <th>10</th> <th>25</th> <th>50</th> <th>100</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2500</th> <th>5000</th> <th></th> <th></th> <th></th> <th></th> </tr> </table>																\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ 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				
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ 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																																										
MM	MM	MM																																																					
2.00	0.40	6.00	3520-2.00X3.0D						1.500	1.500	1.500	1.050	1.050	1.050	0.750	0.600	0.600	0.450																																					
2.20	0.45	6.60	3520-2.20X3.0D						1.080	1.080	1.080	0.760	0.760	0.760	0.540	0.430	0.430	0.320																																					
2.50	0.45	7.50	3520-2.50X3.0D						0.990	0.990	0.990	0.690	0.690	0.690	0.500	0.400	0.400	0.300																																					
3.00	0.50	9.00	3520-3.00X3.0D						0.990	0.990	0.990	0.690	0.690	0.690	0.500	0.400	0.400	0.300																																					
3.50	0.60	10.50	3520-3.50X3.0D						1.080	1.080	1.080	0.760	0.760	0.760	0.540	0.430	0.430	0.320																																					
4.00	0.70	12.00	3520-4.00X3.0D						0.990	0.990	0.990	0.690	0.690	0.690	0.500	0.400	0.400	0.300																																					
5.00	0.80	15.00	3520-5.00X3.0D						1.050	1.050	1.050	0.740	0.740	0.740	0.530	0.420	0.420	0.320																																					
6.00	1.00	18.00	3520-6.00X3.0D						1.110	1.110	1.110	0.770	0.770	0.770	0.550	0.440	0.440	0.330																																					
7.00	1.00	21.00	3520-7.00X3.0D						1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470																																					
8.00	1.25	24.00	3520-8.00X3.0D						1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470																																					
9.00	1.25	27.00	3520-9.00X3.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660																																					
10.00	1.50	30.00	3520-10.00X3.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660																																					
11.00	1.50	33.00	3520-11.00X3.0D						3.160	3.160	3.160	2.210	2.210	2.210	1.580	1.260	1.260	0.950																																					
12.00	1.75	36.00	3520-12.00X3.0D						3.160	3.160	3.160	2.210	2.210	2.210	1.580	1.260	1.260	0.950																																					
14.00	2.00	42.00	3520-14.00X3.0D					5.400	5.400	5.400	3.780	3.780	3.780	2.700	2.160	2.160	1.620	1.620																																					
16.00	2.00	48.00	3520-16.00X3.0D					6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990	1.990																																					
18.00	2.50	54.00	3520-18.00X3.0D					9.790	9.790	9.790	6.850	6.850	6.850	4.900	3.920	3.920	2.940	2.940																																					
20.00	2.50	60.00	3520-20.00X3.0D					10.200	10.200	10.200	7.140	7.140	7.140	5.100	4.080	4.080	3.060	3.060																																					
22.00	2.50	66.00	3520-22.00X3.0D					13.800	13.800	9.660	9.660	9.660	6.900	5.520	5.520	4.140	4.140	4.140																																					
24.00	3.00	72.00	3520-24.00X3.0D					16.740	16.740	11.720	11.720	11.720	8.370	6.700	6.700	5.020	5.020	5.020																																					



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.



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

METRIC FINE – 1.0D BULK INSERTS

				PART #															
					1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000	
MM	MM	MM			\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	
6.00	0.75	6.00	3521-6.00X1.0D						0.810	0.810	0.810	0.560	0.560	0.560	0.400	0.320	0.320	0.240	
8.00	1.00	8.00	3521-8.00X1.0D						0.850	0.850	0.850	0.600	0.600	0.600	0.430	0.340	0.340	0.260	
8.00	0.75	8.00	3523-8.00X1.0D						1.210	1.210	1.210	0.840	0.840	0.840	0.600	0.480	0.480	0.360	
9.00	1.00	9.00	3521-9.00X1.0D						1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360	
10.00	1.25	10.00	3521-10.00X1.0D						1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360	
10.00	1.00	10.00	3523-10.00X1.0D						1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360	
11.00	1.25	11.00	3521-11.00X1.0D						1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530	
11.00	1.00	11.00	3523-11.00X1.0D						1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530	
12.00	1.50	12.00	3521-12.00X1.0D						1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530	
12.00	1.25	12.00	3523-12.00X1.0D						1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530	
12.00	1.00	12.00	3524-12.00X1.0D						1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570	
13.00	1.50	13.00	3521-13.00X1.0D					3.510	3.510	3.510	2.460	2.460	2.460	1.750	1.400	1.400	1.050	1.050	
13.00	1.25	13.00	3523-13.00X1.0D					3.510	3.510	3.510	2.460	2.460	2.460	1.750	1.400	1.400	1.050	1.050	
14.00	1.50	14.00	3521-14.00X1.0D					2.340	2.340	2.340	1.640	1.640	1.640	1.170	0.940	0.940	0.700	0.700	
14.00	1.25	14.00	3523-14.00X1.0D					2.340	2.340	2.340	1.640	1.640	1.640	1.170	0.940	0.940	0.700	0.700	
14.00	1.00	14.00	3524-14.00X1.0D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760	0.760	
15.00	1.50	15.00	3521-15.00X1.0D					3.010	3.010	3.010	2.110	2.110	2.110	1.500	1.200	1.200	0.900	0.900	
16.00	1.50	16.00	3521-16.00X1.0D					3.000	3.000	3.000	2.100	2.100	2.100	1.500	1.200	1.200	0.900	0.900	
18.00	2.00	18.00	3521-18.00X1.0D					4.290	4.290	4.290	3.010	3.010	3.010	2.150	1.720	1.720	1.290	1.290	
18.00	1.50	18.00	3523-18.00X1.0D					4.290	4.290	4.290	3.010	3.010	3.010	2.150	1.720	1.720	1.290	1.290	
20.00	2.00	20.00	3521-20.00X1.0D					6.000	6.000	4.200	4.200	4.200	3.000	2.400	2.400	1.800	1.800	1.800	
20.00	1.50	20.00	3523-20.00X1.0D					6.000	6.000	4.200	4.200	4.200	3.000	2.400	2.400	1.800	1.800	1.800	
22.00	2.00	22.00	3521-22.00X1.0D					7.580	7.580	5.310	5.310	5.310	3.790	3.030	3.030	2.270	2.270	2.270	
22.00	1.50	22.00	3523-22.00X1.0D					7.580	7.580	5.310	5.310	5.310	3.790	3.030	3.030	2.270	2.270	2.270	
24.00	2.00	24.00	3521-24.00X1.0D					9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840	2.840	2.840	
24.00	1.50	24.00	3523-24.00X1.0D					9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840	2.840	2.840	



MF



Strip Feed
Free Running Inserts
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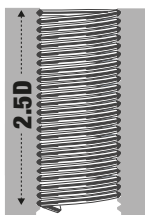
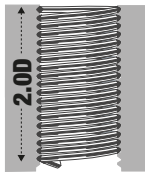
GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

METRIC FINE – 1.5D BULK INSERTS

 MF	 1.5D	 1.5D	PART #	<table border="1"> <tr> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> <th>\$ EACH</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>5</th> <th>10</th> <th>25</th> <th>50</th> <th>100</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2500</th> <th>5000</th> </tr> </table>																\$ EACH	\$ EACH	\$ EACH	\$ 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
				\$ EACH	\$ EACH	\$ EACH	\$ 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																																					
MM	MM	MM																																																
6.00	0.75	9.00	3521-6.00X1.5D					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270																																	
8.00	1.00	12.00	3521-8.00X1.5D					0.970	0.970	0.970	0.680	0.680	0.680	0.480	0.390	0.390	0.290																																	
8.00	0.75	12.00	3523-8.00X1.5D					1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410																																	
9.00	1.00	13.50	3521-9.00X1.5D					1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410																																	
10.00	1.25	15.00	3521-10.00X1.5D					1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410																																	
10.00	1.00	15.00	3523-10.00X1.5D					1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410																																	
11.00	1.25	16.50	3521-11.00X1.5D					1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570																																	
11.00	1.00	16.50	3523-11.00X1.5D					1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570																																	
12.00	1.50	18.00	3521-12.00X1.5D					1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570																																	
12.00	1.25	18.00	3523-12.00X1.5D					1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570																																	
12.00	1.00	18.00	3524-12.00X1.5D					2.650	2.650	2.650	1.860	1.860	1.860	1.330	1.060	1.060	0.800																																	
13.00	1.50	19.50	3521-13.00X1.5D					4.490	4.490	4.490	3.150	3.150	3.150	2.250	1.800	1.800	1.350																																	
13.00	1.25	19.50	3523-13.00X1.5D					4.490	4.490	4.490	3.150	3.150	3.150	2.250	1.800	1.800	1.350																																	
14.00	1.50	21.00	3521-14.00X1.5D					3.000	3.000	3.000	2.100	2.100	2.100	1.500	1.200	1.200	0.900																																	
14.00	1.25	21.00	3523-14.00X1.5D					3.000	3.000	3.000	2.100	2.100	2.100	1.500	1.200	1.200	0.900																																	
14.00	1.00	21.00	3524-14.00X1.5D					2.840	2.840	2.840	1.990	1.990	1.990	1.420	1.140	1.140	0.850																																	
15.00	1.50	22.50	3521-15.00X1.5D					3.700	3.700	3.700	2.590	2.590	2.590	1.850	1.480	1.480	1.110																																	
16.00	1.50	24.00	3521-16.00X1.5D					3.690	3.690	3.690	2.590	2.590	2.590	1.850	1.480	1.480	1.110																																	
18.00	2.00	27.00	3521-18.00X1.5D					5.050	5.050	5.050	3.540	3.540	3.540	2.530	2.020	2.020	1.520																																	
18.00	1.50	27.00	3523-18.00X1.5D					5.050	5.050	5.050	3.540	3.540	3.540	2.530	2.020	2.020	1.520																																	
20.00	2.00	30.00	3521-20.00X1.5D					6.950	6.950	4.860	4.860	4.860	3.470	2.780	2.780	2.080	2.080																																	
20.00	1.50	30.00	3523-20.00X1.5D					6.950	6.950	4.860	4.860	4.860	3.470	2.780	2.780	2.080	2.080																																	
22.00	2.00	33.00	3521-22.00X1.5D					8.680	8.680	6.080	6.080	6.080	4.340	3.470	3.470	2.610	2.610																																	
22.00	1.50	33.00	3523-22.00X1.5D					8.680	8.680	6.080	6.080	6.080	4.340	3.470	3.470	2.610	2.610																																	
24.00	2.00	36.00	3521-24.00X1.5D					10.740	10.740	7.520	7.520	7.520	5.370	4.300	4.300	3.220	3.220																																	
24.00	1.50	36.00	3523-24.00X1.5D					10.740	10.740	7.520	7.520	7.520	5.370	4.300	4.300	3.220	3.220																																	
26.00	1.50	39.00	3523-26.00X1.5D					16.200	16.200	11.340	11.340	8.100	6.480	6.480	4.860	4.860	4.860																																	
27.00	2.00	40.50	3521-27.00X1.5D					16.200	16.200	11.340	11.340	8.100	6.480	6.480	4.860	4.860	4.860																																	
27.00	1.50	40.50	3523-27.00X1.5D					16.200	16.200	11.340	11.340	8.100	6.480	6.480	4.860	4.860	4.860																																	
28.00	1.50	42.00	3523-28.00X1.5D					16.420	16.420	11.500	11.500	8.210	6.570	6.570	4.930	4.930	4.930																																	
30.00	2.00	45.00	3521-30.00X1.5D					18.000	18.000	12.600	12.600	9.000	7.200	7.200	5.400	5.400	5.400																																	
30.00	1.50	45.00	3523-30.00X1.5D					18.000	18.000	12.600	12.600	9.000	7.200	7.200	5.400	5.400	5.400																																	
33.00	2.00	49.50	3521-33.00X1.5D					20.530	20.530	14.370	14.370	10.260	8.210	8.210	6.160	6.160	6.160																																	
36.00	3.00	54.00	3521-36.00X1.5D					22.110	22.110	15.480	15.480	11.050	8.840	8.840	6.630	6.630	6.630																																	
36.00	2.00	54.00	3523-36.00X1.5D					22.110	22.110	15.480	15.480	11.050	8.840	8.840	6.630	6.630	6.630																																	
36.00	1.50	54.00	3524-36.00X1.5D					22.110	22.110	15.480	15.480	11.050	8.840	8.840	6.630	6.630	6.630																																	



MF



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

METRIC FINE – 2.0D BULK INSERTS

D	MM	MM	MM	PART #	\$ EACH														
					1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000	
6.00	0.75	12.00	3521-6.00X2.0D						0.930	0.930	0.930	0.650	0.650	0.650	0.470	0.370	0.370	0.280	
8.00	1.00	16.00	3521-8.00X2.0D						1.060	1.060	1.060	0.740	0.740	0.740	0.530	0.430	0.430	0.320	
8.00	0.75	16.00	3523-8.00X2.0D						1.540	1.540	1.540	1.080	1.080	1.080	0.770	0.620	0.620	0.460	
9.00	1.00	18.00	3521-9.00X2.0D						1.550	1.550	1.550	1.080	1.080	1.080	0.770	0.620	0.620	0.470	
10.00	1.25	20.00	3521-10.00X2.0D						1.550	1.550	1.550	1.080	1.080	1.080	0.770	0.620	0.620	0.470	
10.00	1.00	20.00	3523-10.00X2.0D						1.550	1.550	1.550	1.080	1.080	1.080	0.770	0.620	0.620	0.470	
11.00	1.25	22.00	3521-11.00X2.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660	
11.00	1.00	22.00	3523-11.00X2.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660	
12.00	1.50	24.00	3521-12.00X2.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660	
12.00	1.25	24.00	3523-12.00X2.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660	
12.00	1.00	24.00	3524-12.00X2.0D						3.350	3.350	3.350	2.340	2.340	2.340	1.670	1.340	1.340	1.000	
13.00	1.50	26.00	3521-13.00X2.0D					5.630	5.630	5.630	3.940	3.940	3.940	2.810	2.250	2.250	1.690	1.690	
13.00	1.25	26.00	3523-13.00X2.0D					5.630	5.630	5.630	3.940	3.940	3.940	2.810	2.250	2.250	1.690	1.690	
14.00	1.50	28.00	3521-14.00X2.0D						3.750	3.750	3.750	2.630	2.630	2.630	1.880	1.500	1.500	1.130	
14.00	1.25	28.00	3523-14.00X2.0D						4.420	4.420	4.420	3.100	3.100	3.100	2.210	1.770	1.770	1.330	
14.00	1.00	28.00	3524-14.00X2.0D						4.420	4.420	4.420	3.100	3.100	3.100	2.210	1.770	1.770	1.330	
15.00	1.50	30.00	3521-15.00X2.0D						4.740	4.740	4.740	3.320	3.320	3.320	2.370	1.900	1.900	1.420	
16.00	1.50	32.00	3521-16.00X2.0D						4.740	4.740	4.740	3.320	3.320	3.320	2.370	1.900	1.900	1.420	
18.00	2.00	36.00	3521-18.00X2.0D						6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990	
18.00	1.50	36.00	3523-18.00X2.0D						6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990	
20.00	2.00	40.00	3523-20.00X2.0D						7.900	7.900	5.530	5.530	5.530	3.950	3.160	3.160	2.370	2.370	
20.00	1.50	40.00	3521-20.00X2.0D						7.900	7.900	5.530	5.530	5.530	3.950	3.160	3.160	2.370	2.370	
22.00	2.00	44.00	3521-22.00X2.0D						10.110	10.110	7.080	7.080	7.080	5.050	4.040	4.040	3.030	3.030	
22.00	1.50	44.00	3523-22.00X2.0D						10.110	10.110	7.080	7.080	7.080	5.050	4.040	4.040	3.030	3.030	
24.00	2.00	48.00	3521-24.00X2.0D						12.320	12.320	8.620	8.620	8.620	6.160	4.930	4.930	3.690	3.690	
24.00	1.50	48.00	3523-24.00X2.0D						12.320	12.320	8.620	8.620	8.620	6.160	4.930	4.930	3.690	3.690	

METRIC FINE – 2.5D BULK INSERTS

D	MM	MM	MM	PART #	\$ EACH														
					1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000	
6.00	0.75	15.00	3521-6.00X2.5D						1.010	1.010	1.010	0.710	0.710	0.710	0.500	0.400	0.400	0.300	
8.00	1.00	20.00	3521-8.00X2.5D						1.320	1.320	1.320	0.930	0.930	0.930	0.660	0.530	0.530	0.400	
8.00	0.75	20.00	3523-8.00X2.5D						1.860	1.860	1.860	1.300	1.300	1.300	0.930	0.740	0.740	0.560	
9.00	1.00	22.50	3521-9.00X2.5D						1.860	1.860	1.860	1.300	1.300	1.300	0.930	0.740	0.740	0.560	
10.00	1.25	25.00	3521-10.00X2.5D						1.860	1.860	1.860	1.300	1.300	1.300	0.930	0.740	0.740	0.560	
10.00	1.00	25.00	3523-10.00X2.5D						1.860	1.860	1.860	1.300	1.300	1.300	0.930	0.740	0.740	0.560	
11.00	1.25	27.50	3521-11.00X2.5D						2.840	2.840	2.840	1.990	1.990	1.990	1.420	1.140	1.140	0.850	
11.00	1.00	27.50	3523-11.00X2.5D						2.840	2.840	2.840	1.990	1.990	1.990	1.420	1.140	1.140	0.850	
12.00	1.50	30.00	3521-12.00X2.5D						2.840	2.840	2.840	1.990	1.990	1.990	1.420	1.140	1.140	0.850	
12.00	1.25	30.00	3523-12.00X2.5D						2.840	2.840	2.840	1.990	1.990	1.990	1.420	1.140	1.140	0.850	
12.00	1.00	30.00	3524-12.00X2.5D						3.980	3.980	3.980	2.780	2.780	2.780	1.990	1.590	1.590	1.190	
14.00	1.50	35.00	3521-14.00X2.5D					4.650	4.650	4.650	3.260	3.260	3.260	2.330	1.860	1.860	1.400	1.400	
14.00	1.25	35.00	3523-14.00X2.5D					5.050	5.050	5.050	3.540	3.540	3.540	2.530	2.020	2.020	1.520	1.520	
14.00	1.00	35.00	3524-14.00X2.5D					5.050	5.050	5.050	3.540	3.540	3.540	2.530	2.020	2.020	1.520	1.520	
16.00	1.50	40.00	3521-16.00X2.5D						5.690	5.690	5.690	3.980	3.980	3.980	2.840	2.270	2.270	1.710	
18.00	2.00	45.00	3521-18.00X2.5D						8.210	8.210	8.210	5.750	5.750	5.750	4.110	3.280	3.280	2.460	
18.00	1.50	45.00	3523-18.00X2.5D						8.210	8.210	8.210	5.750	5.750	5.750	4.110	3.280	3.280	2.460	
20.00	2.00	50.00	3521-20.00X2.5D						8.700	8.700	6.090	6.090	6.090	4.350	3.480	3.480	2.610	2.610	
20.00	1.50	50.00	3523-20.00X2.5D						8.700	8.700	6.090	6.090	6.090	4.350	3.480	3.480	2.610	2.610	
22.00	2.00	55.00	3521-22.00X2.5D						11.850	11.850	8.300	8.300	8.300	5.930	4.740	4.740	3.560	3.560	
22.00	1.50	55.00	3523-22.00X2.5D						11.850	11.850	8.300	8.300	8.300	5.930	4.740	4.740	3.560	3.560	
24.00	2.00	60.00	3521-24.00X2.5D						14.840	14.840	10.390	10.390	10.390	7.420	5.940	5.940	4.450	4.450	
24.00	1.50	60.00	3523-24.00X2.5D						14.840	14.840	10.390	10.390	10.390	7.420	5.940	5.940	4.450	4.450	



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

METRIC FINE – 3.0D BULK INSERTS

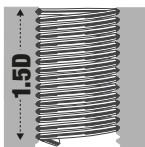
				3.0D															
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
MM	MM	MM	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
6.00	0.75	18.00	3521-6.00X3.0D					1.110	1.110	1.110	0.770	0.770	0.770	0.550	0.440	0.440	0.330		
8.00	1.00	24.00	3521-8.00X3.0D					1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470		
8.00	0.75	24.00	3523-8.00X3.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
9.00	1.00	27.00	3521-9.00X3.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
10.00	1.25	30.00	3521-10.00X3.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
10.00	1.00	30.00	3523-10.00X3.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
11.00	1.25	33.00	3521-11.00X3.0D					3.160	3.160	3.160	2.210	2.210	2.210	1.580	1.260	1.260	0.950		
11.00	1.00	33.00	3523-11.00X3.0D					3.160	3.160	3.160	2.210	2.210	2.210	1.580	1.260	1.260	0.950		
12.00	1.50	36.00	3521-12.00X3.0D					3.160	3.160	3.160	2.210	2.210	2.210	1.580	1.260	1.260	0.950		
12.00	1.25	36.00	3523-12.00X3.0D					3.160	3.160	3.160	2.210	2.210	2.210	1.580	1.260	1.260	0.950		
12.00	1.00	36.00	3524-12.00X3.0D					4.420	4.420	4.420	3.100	3.100	3.100	2.210	1.770	1.770	1.330		
14.00	1.50	42.00	3521-14.00X3.0D					5.400	5.400	5.400	3.780	3.780	3.780	2.700	2.160	2.160	1.620		
14.00	1.25	42.00	3523-14.00X3.0D					6.000	6.000	6.000	4.200	4.200	4.200	3.000	2.400	2.400	1.800		
14.00	1.00	42.00	3524-14.00X3.0D					6.000	6.000	6.000	4.200	4.200	4.200	3.000	2.400	2.400	1.800		
16.00	1.50	48.00	3521-16.00X3.0D					6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990		
18.00	2.00	54.00	3521-18.00X3.0D					9.790	9.790	9.790	6.850	6.850	6.850	4.900	3.920	3.920	2.940		
18.00	1.50	54.00	3523-18.00X3.0D					9.790	9.790	9.790	6.850	6.850	6.850	4.900	3.920	3.920	2.940		
20.00	2.00	60.00	3521-20.00X3.0D					10.200	10.200	7.140	7.140	7.140	5.100	4.080	4.080	3.060	3.060		
20.00	1.50	60.00	3523-20.00X3.0D					10.200	10.200	7.140	7.140	7.140	5.100	4.080	4.080	3.060	3.060		
22.00	2.00	66.00	3521-22.00X3.0D					13.800	13.800	9.660	9.660	9.660	6.900	5.520	5.520	4.140	4.140		
22.00	1.50	66.00	3523-22.00X3.0D					13.800	13.800	9.660	9.660	9.660	6.900	5.520	5.520	4.140	4.140		
24.00	2.00	72.00	3521-24.00X3.0D					16.740	16.740	11.720	11.720	11.720	8.370	6.700	6.700	5.020	5.020		
24.00	1.50	72.00	3523-24.00X3.0D					16.740	16.740	11.720	11.720	11.720	8.370	6.700	6.700	5.020	5.020		

SPARK PLUG – BULK INSERTS

				\$ EACH															
				\$ 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		
IMPERIAL LENGTH																			
10.00	1.00	0.339"	3522-10.00X.339					1.230	1.230	1.230	0.860	0.860	0.860	0.610	0.490	0.490	0.370		
10.00	1.00	1/2"	3522-10.00X1/2					1.390	1.390	1.390	0.970	0.970	0.970	0.690	0.560	0.560	0.420		
12.00	1.25	1/2"	3522-12.00X1/2					1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530		
12.00	1.25	3/4"	3522-12.00X3/4					1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570		
14.00	1.25	3/8"	3522-14.00X3/8					1.340	1.340	1.340	0.940	0.940	0.940	0.670	0.530	0.530	0.400		
14.00	1.25	7/16"	3522-14.00X7/16					1.050	1.050	1.050	0.730	0.730	0.730	0.520	0.420	0.420	0.310		
14.00	1.25	1/2"	3522-14.00X1/2					1.600	1.600	1.600	1.120	1.120	1.120	0.800	0.640	0.640	0.480		
14.00	1.25	3/4"	3522-14.00X3/4					2.100	2.100	2.100	1.470	1.470	1.470	1.050	0.840	0.840	0.630		
18.00	1.50	1/2"	3522-18.00X1/2					2.970	2.970	2.970	2.070	2.070	2.070	1.480	1.190	1.190	0.890		
METRIC LENGTH																			
14.00	1.25	8.4MM	3522-14.00X8.4					1.060	1.060	1.060	0.740	0.740	0.740	0.530	0.430	0.430	0.320		
14.00	1.25	12.4MM	3522-14.00X12.4					1.640	1.640	1.640	1.150	1.150	1.150	0.820	0.660	0.660	0.490		
14.00	1.25	16.4MM	3522-14.00X16.4					2.260	2.260	2.260	1.580	1.580	1.580	1.130	0.900	0.900	0.680		



UNC



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

UNC – 1.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
2G	56	0.09	3532-2GX1.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
3G	48	0.10	3532-3GX1.0D					1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470		
4G	40	0.11	3532-4GX1.0D					0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220		
5G	40	0.13	3532-5GX1.0D					0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220		
6G	32	0.14	3532-6GX1.0D					0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220		
8G	32	0.16	3532-8GX1.0D					0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220		
10G	24	0.19	3532-10GX1.0D					0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220		
12G	24	0.22	3532-12GX1.0D					0.840	0.840	0.840	0.590	0.590	0.590	0.420	0.330	0.330	0.250		
1/4	20	0.25	3532-1/4X1.0D					0.840	0.840	0.840	0.590	0.590	0.590	0.420	0.330	0.330	0.250		
5/16	18	0.31	3532-5/16X1.0D					0.920	0.920	0.920	0.640	0.640	0.640	0.460	0.370	0.370	0.270		
3/8	16	0.38	3532-3/8X1.0D					1.230	1.230	1.230	0.860	0.860	0.860	0.620	0.490	0.490	0.370		
7/16	14	0.44	3532-7/16X1.0D					1.520	1.520	1.520	1.060	1.060	1.060	0.760	0.610	0.610	0.460		
1/2	13	0.50	3532-1/2X1.0D					1.740	1.740	1.740	1.220	1.220	1.220	0.870	0.700	0.700	0.520		
9/16	12	0.56	3532-9/16X1.0D				2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660	0.660		
5/8	11	0.63	3532-5/8X1.0D				2.970	2.970	2.970	2.080	2.080	2.080	1.480	1.190	1.190	0.890	0.890		
3/4	10	0.75	3532-3/4X1.0D				4.260	4.260	4.260	2.990	2.990	2.990	2.130	1.710	1.710	1.280	1.280		
7/8	9	0.88	3532-7/8X1.0D				7.260	7.260	5.090	5.090	5.090	3.630	2.910	2.910	2.180	2.180	2.180		
1	8	1.00	3532-1X1.0D				9.320	9.320	6.520	6.520	6.520	4.660	3.730	3.730	2.800	2.800	2.800		

UNC – 1.5D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
2G	56	0.14	3532-2GX1.5D					1.030	1.030	1.030	0.720	0.720	0.720	0.510	0.410	0.410	0.310		
3G	48	0.15	3532-3GX1.5D					1.710	1.710	1.710	1.200	1.200	1.200	0.850	0.680	0.680	0.510		
4G	40	0.17	3532-4GX1.5D					0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230		
5G	40	0.20	3532-5GX1.5D					0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230		
6G	32	0.21	3532-6GX1.5D					0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230		
8G	32	0.24	3532-8GX1.5D					0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230		
10G	24	0.29	3532-10GX1.5D					0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230		
12G	24	0.33	3532-12GX1.5D					0.870	0.870	0.870	0.610	0.610	0.610	0.430	0.350	0.350	0.260		
1/4	20	0.38	3532-1/4X1.5D					0.870	0.870	0.870	0.610	0.610	0.610	0.430	0.350	0.350	0.260		
5/16	18	0.47	3532-5/16X1.5D					0.960	0.960	0.960	0.670	0.670	0.670	0.480	0.390	0.390	0.290		
3/8	16	0.57	3532-3/8X1.5D					1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410		
7/16	14	0.66	3532-7/16X1.5D					1.610	1.610	1.610	1.130	1.130	1.130	0.810	0.640	0.640	0.480		
1/2	13	0.75	3532-1/2X1.5D					1.850	1.850	1.850	1.290	1.290	1.290	0.920	0.740	0.740	0.560		
9/16	12	0.84	3532-9/16X1.5D				2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760	0.760		
5/8	11	0.95	3532-5/8X1.5D				3.630	3.630	3.630	2.540	2.540	2.540	1.820	1.450	1.450	1.090	1.090		
3/4	10	1.13	3532-3/4X1.5D				5.040	5.040	5.040	3.530	3.530	3.530	2.520	2.020	2.020	1.510	1.510		
7/8	9	1.32	3532-7/8X1.5D				8.530	8.530	5.970	5.970	5.970	4.260	3.410	3.410	2.560	2.560	2.560		
1	8	1.50	3532-1X1.5D				10.740	10.740	7.520	7.520	7.520	5.370	4.300	4.300	3.220	3.220	3.220		
1-1/8	7	1.70	3532-1.1/8X1.5D			15.790	15.790	11.050	11.050	7.900	6.320	6.320	6.320	4.740	4.740	4.740	4.740		
1-1/4	7	1.88	3532-1.1/4X1.5D			18.000	18.000	12.600	12.600	9.000	7.200	7.200	7.200	5.400	5.400	5.400	5.400		
1-3/8	6	2.07	3532-1.3/8X1.5D			18.950	18.950	13.270	13.270	9.470	7.580	7.580	7.580	5.690	5.690	5.690	5.690		
1-1/2	6	2.25	3532-1.1/2X1.5D			25.270	25.270	17.690	17.690	12.630	10.110	10.110	10.110	7.580	7.580	7.580	7.580		

































UNC

2.0D, 2.5D



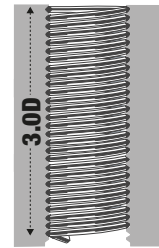
GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

UNC – 2.0D BULK INSERTS

				2.0D																																																																																																																																																																																																																																																																																																													
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UNC



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

UNC – 3.0D 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		
2G	56	0.27	3532-2GX3.0D					1.250	1.250	1.250	0.870	0.870	0.870	0.620	0.500	0.500	0.370		
4G	40	0.33	3532-4GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
5G	40	0.39	3532-5GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
6G	32	0.42	3532-6GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
8G	32	0.48	3532-8GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
10G	24	0.57	3532-10GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
12G	24	0.66	3532-12GX3.0D					1.140	1.140	1.140	0.800	0.800	0.800	0.570	0.460	0.460	0.340		
1/4	20	0.75	3532-1/4X3.0D					1.140	1.140	1.140	0.800	0.800	0.800	0.570	0.460	0.460	0.340		
5/16	18	0.93	3532-5/16X3.0D					1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410		
3/8	16	1.14	3532-3/8X3.0D					2.050	2.050	2.050	1.440	1.440	1.440	1.030	0.820	0.820	0.620		
7/16	14	1.32	3532-7/16X3.0D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
1/2	13	1.50	3532-1/2X3.0D					3.000	3.000	3.000	2.100	2.100	2.100	1.500	1.200	1.200	0.900		
9/16	12	1.68	3532-9/16X3.0D					5.530	5.530	5.530	3.870	3.870	3.870	2.770	2.210	2.210	1.660		
5/8	11	1.89	3532-5/8X3.0D					6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990		
3/4	10	2.25	3532-3/4X3.0D					9.470	9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840		
7/8	9	2.64	3532-7/8X3.0D					12.630	12.630	8.840	8.840	8.840	6.320	5.050	5.050	3.790	3.790		
1	8	3.00	3532-1X3.0D					16.420	16.420	11.500	11.500	11.500	8.210	6.570	6.570	4.930	4.930		



UNF

1.0D, 1.5D



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

UNF – 1.0D BULK INSERTS

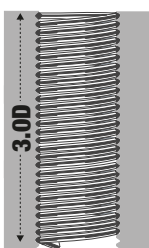
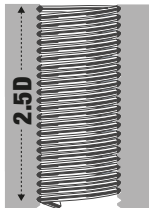
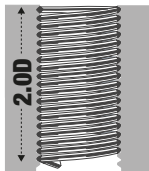
				1.0D	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
					EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
INCH	TPI	INCH	PART #		1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
3G	56	0.10	3534-3GX1.0D						1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470
4G	48	0.11	3534-4GX1.0D						0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220
6G	40	0.14	3534-6GX1.0D						0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220
8G	36	0.16	3534-8GX1.0D						0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220
10G	32	0.19	3534-10GX1.0D						0.730	0.730	0.730	0.510	0.510	0.510	0.360	0.290	0.290	0.220
12G	28	0.22	3534-12GX1.0D						0.840	0.840	0.840	0.590	0.590	0.590	0.420	0.330	0.330	0.250
1/4	28	0.25	3534-1/4X1.0D						0.840	0.840	0.840	0.590	0.590	0.590	0.420	0.330	0.330	0.250
5/16	24	0.31	3534-5/16X1.0D						0.920	0.920	0.920	0.640	0.640	0.640	0.460	0.370	0.370	0.270
3/8	24	0.38	3534-3/8X1.0D						1.230	1.230	1.230	0.860	0.860	0.860	0.620	0.490	0.490	0.370
7/16	16	0.44	3534-7/16-16X1.0D						1.570	1.570	1.570	1.100	1.100	1.100	0.780	0.630	0.630	0.470
7/16	20	0.44	3534-7/16X1.0D						1.520	1.520	1.520	1.060	1.060	1.060	0.760	0.610	0.610	0.460
1/2	20	0.50	3534-1/2X1.0D						1.740	1.740	1.740	1.220	1.220	1.220	0.870	0.700	0.700	0.520
9/16	18	0.56	3534-9/16X1.0D					2.210	2.210	2.210	1.550	1.550	1.110	0.880	0.880	0.660	0.660	
5/8	18	0.63	3534-5/8X1.0D					2.970	2.970	2.970	2.080	2.080	2.080	1.480	1.190	1.190	0.890	0.890
3/4	16	0.75	3534-3/4X1.0D					4.260	4.260	4.260	2.990	2.990	2.990	2.130	1.710	1.710	1.280	1.280
7/8	14	0.88	3534-7/8X1.0D					7.260	7.260	5.090	5.090	5.090	3.630	2.910	2.910	2.180	2.180	2.180
1	12	1.00	3534-1X1.0D					9.320	9.320	6.520	6.520	6.520	4.660	3.730	3.730	2.800	2.800	2.800

UNF – 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
3G	56	0.15	3534-3GX1.5D						1.710	1.710	1.710	1.200	1.200	1.200	0.850	0.680	0.680	0.510
4G	48	0.17	3534-4GX1.5D						0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230
6G	40	0.21	3534-6GX1.5D						0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230
8G	36	0.24	3534-8GX1.5D						0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230
10G	32	0.29	3534-10GX1.5D						0.770	0.770	0.770	0.540	0.540	0.540	0.390	0.310	0.310	0.230
12G	28	0.32	3534-12GX1.5D						0.870	0.870	0.870	0.610	0.610	0.610	0.430	0.350	0.350	0.260
1/4	28	0.38	3534-1/4X1.5D						0.870	0.870	0.870	0.610	0.610	0.610	0.430	0.350	0.350	0.260
5/16	24	0.47	3534-5/16X1.5D						0.960	0.960	0.960	0.670	0.670	0.670	0.480	0.390	0.390	0.290
3/8	24	0.57	3534-3/8X1.5D						1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410
7/16	20	0.66	3534-7/16X1.5D						1.610	1.610	1.610	1.130	1.130	1.130	0.810	0.640	0.640	0.480
1/2	20	0.75	3534-1/2X1.5D						1.850	1.850	1.850	1.290	1.290	1.290	0.920	0.740	0.740	0.560
9/16	18	0.84	3534-9/16X1.5D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760	0.760
5/8	18	0.95	3534-5/8X1.5D					3.630	3.630	3.630	2.540	2.540	2.540	1.820	1.450	1.450	1.090	1.090
3/4	16	1.13	3534-3/4X1.5D					5.040	5.040	5.040	3.530	3.530	3.530	2.520	2.020	2.020	1.510	1.510
7/8	14	1.32	3534-7/8X1.5D					8.530	8.530	5.970	5.970	5.970	4.260	3.410	3.410	2.560	2.560	2.560
1	12	1.50	3534-1X1.5D					10.740	10.740	7.520	7.520	7.520	5.370	4.300	4.300	3.220	3.220	3.220
1	14	1.50	3535-1X1.5D					10.740	10.740	7.520	7.520	7.520	5.370	4.300	4.300	3.220	3.220	3.220
1-1/8	12	1.70	3534-1.1/8X1.5D					15.790	15.790	11.050	11.050	7.900	6.320	6.320	4.740	4.740	4.740	4.740
1-1/4	12	1.88	3534-1.1/4X1.5D					18.000	18.000	12.600	12.600	9.000	7.200	7.200	5.400	5.400	5.400	5.400
1-3/8	12	2.07	3534-1.3/8X1.5D					18.950	18.950	13.270	13.270	9.470	7.580	7.580	5.690	5.690	5.690	5.690
1-1/2	12	2.25	3534-1.1/2X1.5D					25.270	25.270	17.690	17.690	12.630	10.110	10.110	7.580	7.580	7.580	7.580



UNF



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

UNF – 2.0D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
3G	56	0.20	3534-3GX2.0D					1.800	1.800	1.800	1.260	1.260	1.260	0.900	0.720	0.720	0.540		
4G	48	0.22	3534-4GX2.0D					0.820	0.820	0.820	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
6G	40	0.28	3534-6GX2.0D					0.820	0.820	0.820	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
8G	36	0.32	3534-8GX2.0D					0.820	0.820	0.820	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
10G	32	0.38	3534-10GX2.0D					0.820	0.820	0.820	0.580	0.580	0.580	0.410	0.330	0.330	0.250		
12G	28	0.43	3534-12GX2.0D					0.980	0.980	0.980	0.680	0.680	0.680	0.490	0.390	0.390	0.290		
1/4	28	0.50	3534-1/4X2.0D					0.980	0.980	0.980	0.680	0.680	0.680	0.490	0.390	0.390	0.290		
5/16	24	0.62	3534-5/16X2.0D					1.060	1.060	1.060	0.740	0.740	0.740	0.530	0.420	0.420	0.320		
3/8	24	0.76	3534-3/8X2.0D					1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470		
7/16	20	0.88	3534-7/16X2.0D					1.800	1.800	1.800	1.260	1.260	1.260	0.900	0.720	0.720	0.540		
1/2	20	1.00	3534-1/2X2.0D					2.080	2.080	2.080	1.460	1.460	1.460	1.040	0.830	0.830	0.630		
9/16	18	1.12	3534-9/16X2.0D					3.630	3.630	3.630	2.540	2.540	2.540	1.820	1.450	1.450	1.090		
5/8	18	1.26	3534-5/8X2.0D					4.610	4.610	4.610	3.230	3.230	3.230	2.310	1.840	1.840	1.380		
3/4	16	1.50	3534-3/4X2.0D					6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990		
7/8	14	1.76	3534-7/8X2.0D					9.790	9.790	9.790	6.850	6.850	6.850	4.900	3.920	3.920	2.940		
1	12	2.00	3534-1X2.0D					12.320	12.320	12.320	8.620	8.620	8.620	6.160	4.930	4.930	3.690		

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					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
6G	40	0.35	3534-6GX2.5D					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
8G	36	0.40	3534-8GX2.5D					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
10G	32	0.48	3534-10GX2.5D					0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270		
12G	28	0.54	3534-12GX2.5D					1.040	1.040	1.040	0.730	0.730	0.730	0.520	0.420	0.420	0.310		
1/4	28	0.63	3534-1/4X2.5D					1.040	1.040	1.040	0.730	0.730	0.730	0.520	0.420	0.420	0.310		
5/16	24	0.78	3534-5/16X2.5D					1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360		
3/8	24	0.95	3534-3/8X2.5D					1.800	1.800	1.800	1.260	1.260	1.260	0.900	0.720	0.720	0.540		
7/16	20	1.10	3534-7/16X2.5D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
1/2	20	1.25	3534-1/2X2.5D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
9/16	18	1.40	3534-9/16X2.5D					4.580	4.580	4.580	3.210	3.210	3.210	2.290	1.830	1.830	1.370		
5/8	18	1.58	3534-5/8X2.5D					5.560	5.560	5.560	3.890	3.890	3.890	2.780	2.220	2.220	1.670		
3/4	16	1.88	3534-3/4X2.5D					8.080	8.080	8.080	5.660	5.660	5.660	4.040	3.240	3.240	2.430		
7/8	14	2.20	3534-7/8X2.5D					11.050	11.050	11.050	7.740	7.740	7.740	5.530	4.420	4.420	3.320		
1	12	2.50	3534-1X2.5D					14.530	14.530	14.530	10.170	10.170	10.170	7.260	5.810	5.810	4.360		

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					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
6G	40	0.42	3534-6GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
8G	36	0.48	3534-8GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
10G	32	0.57	3534-10GX3.0D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
12G	28	0.65	3534-12GX3.0D					1.140	1.140	1.140	0.800	0.800	0.800	0.570	0.460	0.460	0.340		
1/4	28	0.75	3534-1/4X3.0D					1.140	1.140	1.140	0.800	0.800	0.800	0.570	0.460	0.460	0.340		
5/16	24	0.93	3534-5/16X3.0D					1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410		
3/8	24	1.14	3534-3/8X3.0D					2.050	2.050	2.050	1.440	1.440	1.440	1.030	0.820	0.820	0.620		
7/16	20	1.32	3534-7/16X3.0D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
1/2	20	1.50	3534-1/2X3.0D					3.000	3.000	3.000	2.100	2.100	2.100	1.500	1.200	1.200	0.900		
9/16	18	1.68	3534-9/16X3.0D					5.530	5.530	5.530	3.870	3.870	3.870	2.770	2.210	2.210	1.660		
5/8	18	1.89	3534-5/8X3.0D					6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990		
3/4	16	2.25	3534-3/4X3.0D					9.470	9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840		
7/8	14	2.64	3534-7/8X3.0D					12.630	12.630	12.630	8.840	8.840	8.840	6.320	5.050	5.050	3.790		
1	12	3.00	3534-1X3.0D					16.420	16.420	16.420	11.500	11.500	11.500	8.210	6.570	6.570	4.930		











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 #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
1/8	40	0.13	3528-1/8X1.0D						0.850	0.850	0.850	0.600	0.600	0.600	0.430	0.340	0.340	0.260					
3/16	24	0.19	3528-3/16X1.0D						0.740	0.740	0.740	0.520	0.520	0.520	0.370	0.290	0.290	0.220					
1/4	20	0.25	3528-1/4X1.0D						0.840	0.840	0.840	0.590	0.590	0.590	0.420	0.330	0.330	0.250					
5/16	18	0.31	3528-5/16X1.0D						0.850	0.850	0.850	0.600	0.600	0.600	0.430	0.340	0.340	0.260					
3/8	16	0.38	3528-3/8X1.0D						1.200	1.200	1.200	0.840	0.840	0.840	0.600	0.480	0.480	0.360					
7/16	14	0.44	3528-7/16X1.0D						1.480	1.480	1.480	1.040	1.040	1.040	0.740	0.590	0.590	0.450					
1/2	12	0.50	3528-1/2X1.0D						1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530					
9/16	12	0.56	3528-9/16X1.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660					
5/8	11	0.63	3528-5/8X1.0D						2.970	2.970	2.970	2.080	2.080	2.080	1.480	1.190	1.190	0.890					
3/4	10	0.75	3528-3/4X1.0D						4.260	4.260	4.260	2.990	2.990	2.990	2.130	1.710	1.710	1.280					
7/8	9	0.88	3528-7/8X1.0D						7.260	7.260	5.090	5.090	5.090	3.630	2.910	2.910	2.180	2.180					
1	8	1.00	3528-1X1.0D						9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840	2.840					

BSW – 1.5D BULK INSERTS

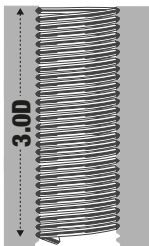
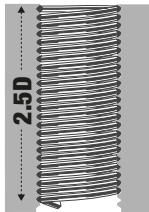
																							
						INCH	TPI	INCH	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
1/8	40	0.20	3528-1/8X1.5D						0.880	0.880	0.880	0.620	0.620	0.620	0.440	0.350	0.350	0.270					
3/16	24	0.29	3528-3/16X1.5D						0.780	0.780	0.780	0.550	0.550	0.550	0.390	0.310	0.310	0.230					
1/4	20	0.38	3528-1/4X1.5D						0.870	0.870	0.870	0.610	0.610	0.610	0.430	0.350	0.350	0.260					
5/16	18	0.47	3528-5/16X1.5D						0.980	0.980	0.980	0.680	0.680	0.680	0.490	0.390	0.390	0.290					
3/8	16	0.57	3528-3/8X1.5D						1.360	1.360	1.360	0.950	0.950	0.950	0.680	0.540	0.540	0.410					
7/16	14	0.66	3528-7/16X1.5D						1.610	1.610	1.610	1.130	1.130	1.130	0.810	0.640	0.640	0.480					
1/2	12	0.75	3528-1/2X1.5D						1.860	1.860	1.860	1.300	1.300	1.300	0.930	0.740	0.740	0.560					
9/16	12	0.84	3528-9/16X1.5D						2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760					
5/8	11	0.95	3528-5/8X1.5D						3.790	3.790	3.790	2.650	2.650	2.650	1.900	1.520	1.520	1.140					
3/4	10	1.13	3528-3/4X1.5D						5.050	5.050	5.050	3.540	3.540	3.540	2.530	2.020	2.020	1.520					
7/8	9	1.32	3528-7/8X1.5D						8.530	8.530	5.970	5.970	5.970	4.260	3.410	3.410	2.560	2.560					
1	8	1.50	3528-1X1.5D						10.740	10.740	7.520	7.520	7.520	5.370	4.300	4.300	3.220	3.220					

BSW – 2.0D BULK INSERTS

																							
						INCH	TPI	INCH	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000
1/8	40	0.26	3528-1/8X2.0D						0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290					
3/16	24	0.38	3528-3/16X2.0D						0.830	0.830	0.830	0.580	0.580	0.580	0.410	0.330	0.330	0.250					
1/4	20	0.50	3528-1/4X2.0D						0.980	0.980	0.980	0.680	0.680	0.680	0.490	0.390	0.390	0.290					
5/16	18	0.62	3528-5/16X2.0D						1.170	1.170	1.170	0.820	0.820	0.820	0.580	0.470	0.470	0.350					
3/8	16	0.76	3528-3/8X2.0D						1.550	1.550	1.550	1.080	1.080	1.080	0.770	0.620	0.620	0.470					
7/16	14	0.88	3528-7/16X2.0D						1.770	1.770	1.770	1.240	1.240	1.240	0.880	0.710	0.710	0.530					
1/2	12	1.00	3528-1/2X2.0D						2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660					
9/16	12	1.12	3528-9/16X2.0D						3.630	3.630	3.630	2.540	2.540	2.540	1.820	1.450	1.450	1.090					
5/8	11	1.26	3528-5/8X2.0D						4.740	4.740	4.740	3.320	3.320	3.320	2.370	1.900	1.900	1.420					
3/4	10	1.50	3528-3/4X2.0D						6.630	6.630	6.630	4.640	4.640	4.640	3.320	2.650	2.650	1.990					
7/8	9	1.76	3528-7/8X2.0D						9.790	9.790	6.850	6.850	6.850	4.900	3.920	3.920	2.940	2.940					
1	8	2.00	3528-1X2.0D						12.320	12.320	8.620	8.620	8.620	6.160	4.930	4.930	3.690	3.690					



BSW



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

BSW – 2.5D BULK INSERTS

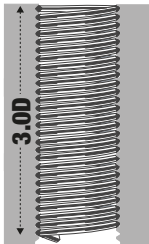
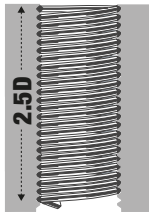
INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/8	40	0.33	3528-1/8X2.5D					1.140	1.140	1.140	0.800	0.800	0.800	0.570	0.460	0.460	0.340		
3/16	24	0.48	3528-3/16X2.5D					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
1/4	20	0.63	3528-1/4X2.5D					1.030	1.030	1.030	0.720	0.720	0.720	0.510	0.410	0.410	0.310		
5/16	18	0.78	3528-5/16X2.5D					1.420	1.420	1.420	1.000	1.000	1.000	0.710	0.570	0.570	0.430		
3/8	16	0.95	3528-3/8X2.5D					1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570		
7/16	14	1.10	3528-7/16X2.5D					2.050	2.050	2.050	1.440	1.440	1.440	1.030	0.820	0.820	0.620		
1/2	12	1.25	3528-1/2X2.5D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
9/16	12	1.40	3528-9/16X2.5D					4.740	4.740	4.740	3.320	3.320	3.320	2.370	1.900	1.900	1.420	1.420	
5/8	11	1.58	3528-5/8X2.5D					6.000	6.000	6.000	4.200	4.200	4.200	3.000	2.400	2.400	1.800	1.800	
3/4	10	1.88	3528-3/4X2.5D					8.530	8.530	8.530	5.970	5.970	5.970	4.260	3.410	3.410	2.560	2.560	
7/8	9	2.20	3528-7/8X2.5D					11.690	11.690	8.180	8.180	8.180	5.840	4.680	4.680	3.510	3.510	3.510	
1	8	2.50	3528-1X2.5D					15.160	15.160	10.610	10.610	10.610	7.580	6.060	6.060	4.550	4.550	4.550	

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					1.260	1.260	1.260	0.880	0.880	0.880	0.630	0.500	0.500	0.380		
3/16	24	0.57	3528-3/16X3.0D					1.070	1.070	1.070	0.750	0.750	0.750	0.540	0.430	0.430	0.320		
1/4	20	0.75	3528-1/4X3.0D					1.170	1.170	1.170	0.820	0.820	0.820	0.580	0.470	0.470	0.350		
5/16	18	0.93	3528-5/16X3.0D					1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470		
3/8	16	1.14	3528-3/8X3.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
7/16	14	1.32	3528-7/16X3.0D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
1/2	12	1.50	3528-1/2X3.0D					3.470	3.470	3.470	2.430	2.430	2.430	1.740	1.390	1.390	1.040		
9/16	12	1.68	3528-9/16X3.0D					5.690	5.690	5.690	3.980	3.980	3.980	2.840	2.270	2.270	1.710	1.710	
5/8	11	1.89	3528-5/8X3.0D					7.260	7.260	7.260	5.090	5.090	5.090	3.630	2.910	2.910	2.180	2.180	
3/4	10	2.25	3528-3/4X3.0D					10.110	10.110	10.110	7.080	7.080	7.080	5.050	4.040	4.040	3.030	3.030	
7/8	9	2.64	3528-7/8X3.0D					13.270	13.270	9.290	9.290	9.290	6.630	5.310	5.310	3.980	3.980	3.980	
1	8	3.00	3528-1X3.0D					17.370	17.370	12.160	12.160	12.160	8.680	6.950	6.950	5.210	5.210	5.210	



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					0.950	0.950	0.950	0.660	0.660	0.660	0.470	0.380	0.380	0.290		
1/4	26	0.63	3530-1/4X2.5D					1.030	1.030	1.030	0.720	0.720	0.720	0.510	0.410	0.410	0.310		
5/16	22	0.78	3530-5/16X2.5D					1.420	1.420	1.420	1.000	1.000	1.000	0.710	0.570	0.570	0.430		
3/8	20	0.95	3530-3/8X2.5D					1.900	1.900	1.900	1.330	1.330	1.330	0.950	0.760	0.760	0.570		
7/16	18	1.10	3530-7/16X2.5D					2.050	2.050	2.050	1.440	1.440	1.440	1.030	0.820	0.820	0.620		
1/2	16	1.25	3530-1/2X2.5D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
9/16	16	1.40	3530-9/16X2.5D					4.740	4.740	4.740	3.320	3.320	3.320	2.370	1.900	1.900	1.420	1.420	
5/8	14	1.58	3530-5/8X2.5D					6.000	6.000	6.000	4.200	4.200	4.200	3.000	2.400	2.400	1.800	1.800	
3/4	12	1.88	3530-3/4X2.5D					8.530	8.530	8.530	5.970	5.970	5.970	4.260	3.410	3.410	2.560	2.560	
7/8	11	2.20	3530-7/8X2.5D					11.690	11.690	8.180	8.180	8.180	5.840	4.680	4.680	3.510	3.510	3.510	
1	10	2.50	3530-1X2.5D					15.160	15.160	10.610	10.610	10.610	7.580	6.060	6.060	4.550	4.550	4.550	

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					1.070	1.070	1.070	0.750	0.750	0.750	0.540	0.430	0.430	0.320		
1/4	26	0.75	3530-1/4X3.0D					1.170	1.170	1.170	0.820	0.820	0.820	0.580	0.470	0.470	0.350		
5/16	22	0.93	3530-5/16X3.0D					1.580	1.580	1.580	1.110	1.110	1.110	0.790	0.630	0.630	0.470		
3/8	20	1.14	3530-3/8X3.0D					2.210	2.210	2.210	1.550	1.550	1.550	1.110	0.880	0.880	0.660		
7/16	18	1.32	3530-7/16X3.0D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
1/2	16	1.50	3530-1/2X3.0D					3.470	3.470	3.470	2.430	2.430	2.430	1.740	1.390	1.390	1.040		
9/16	16	1.68	3530-9/16X3.0D					5.690	5.690	5.690	3.980	3.980	3.980	2.840	2.270	2.270	1.710	1.710	
5/8	14	1.89	3530-5/8X3.0D					7.260	7.260	7.260	5.090	5.090	5.090	3.630	2.910	2.910	2.180	2.180	
3/4	12	2.25	3530-3/4X3.0D					10.110	10.110	10.110	7.080	7.080	7.080	5.050	4.040	4.040	3.030	3.030	
7/8	11	2.64	3530-7/8X3.0D					13.270	13.270	9.290	9.290	9.290	6.630	5.310	5.310	3.980	3.980	3.980	
1	10	3.00	3530-1X3.0D					17.370	17.370	12.160	12.160	12.160	8.680	6.950	6.950	5.210	5.210	5.210	



BSP
1.0D, 1.5D, 2.0D



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

BSP – 1.0D BULK INSERTS

D	TPI	INCH	PART #	1.0D															
				\$ 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		
1/8	28	0.13	3546-1/8X1.0D					1.770	1.770	1.770	1.240	1.240	1.240	0.880	0.710	0.710	0.530		
1/4	19	0.25	3546-1/4X1.0D					2.530	2.530	2.530	1.770	1.770	1.770	1.260	1.010	1.010	0.760		
3/8	19	0.38	3546-3/8X1.0D					2.780	2.780	2.780	1.950	1.950	1.950	1.390	1.110	1.110	0.840		
1/2	14	0.50	3546-1/2X1.0D					4.920	4.920	4.920	3.450	3.450	3.450	2.460	1.970	1.970	1.480		
5/8	14	0.63	3546-5/8X1.0D					7.320	7.320	7.320	5.130	5.130	3.660	2.930	2.930	2.200	2.200		
3/4	14	0.75	3546-3/4X1.0D					7.580	7.580	7.580	5.310	5.310	3.790	3.030	3.030	2.270	2.270		
7/8	14	0.88	3546-7/8X1.0D					9.100	9.100	6.370	6.370	6.370	4.550	3.640	3.640	2.730	2.730		
1	11	1.00	3546-1X1.0D					9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840	2.840		

BSP – 1.5D BULK INSERTS

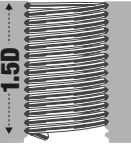
D	TPI	INCH	PART #	1.5D															
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH		
INCH	TPI	INCH	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/8	28	0.20	3546-1/8X1.5D					2.070	2.070	2.070	1.450	1.450	1.450	1.040	0.830	0.830	0.620		
1/4	19	0.38	3546-1/4X1.5D					3.030	3.030	3.030	2.120	2.120	2.120	1.520	1.210	1.210	0.910		
3/8	19	0.57	3546-3/8X1.5D					3.790	3.790	3.790	2.650	2.650	2.650	1.900	1.520	1.520	1.140		
1/2	14	0.75	3546-1/2X1.5D					6.190	6.190	6.190	4.330	4.330	4.330	3.100	2.480	2.480	1.860		
5/8	14	0.95	3546-5/8X1.5D					8.840	8.840	8.840	6.190	6.190	6.190	4.420	3.540	3.540	2.650		
3/4	14	1.13	3546-3/4X1.5D					9.100	9.100	9.100	6.370	6.370	6.370	4.550	3.640	3.640	2.730		
7/8	14	1.32	3546-7/8X1.5D					9.470	9.470	6.630	6.630	6.630	4.740	3.790	3.790	2.840	2.840		
1	11	1.50	3546-1X1.5D					12.000	12.000	8.400	8.400	8.400	6.000	4.800	4.800	3.600	3.600		

BSP – 2.0D BULK INSERTS

D	TPI	INCH	PART #	2.0D															
				\$ 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		
1/8	28	0.26	3546-1/8X2.0D					2.780	2.780	2.780	1.950	1.950	1.950	1.390	1.110	1.110	0.840		
1/4	19	0.50	3546-1/4X2.0D					4.050	4.050	4.050	2.830	2.830	2.830	2.020	1.620	1.620	1.210		
3/8	19	0.76	3546-3/8X2.0D					5.310	5.310	5.310	3.720	3.720	3.720	2.660	2.120	2.120	1.590		
1/2	14	1.00	3546-1/2X2.0D					8.080	8.080	8.080	5.660	5.660	5.660	4.040	3.230	3.230	2.420		
5/8	14	1.26	3546-5/8X2.0D					11.110	11.110	11.110	7.780	7.780	7.780	5.560	4.450	4.450	3.330		
3/4	14	1.50	3546-3/4X2.0D					11.630	11.630	11.630	8.140	8.140	8.140	5.810	4.650	4.650	3.490		
7/8	14	1.76	3546-7/8X2.0D					14.400	14.400	10.080	10.080	10.080	7.200	5.760	5.760	4.320	4.320		
1	11	2.00	3546-1X2.0D					14.660	14.660	10.260	10.260	10.260	7.330	5.860	5.860	4.400	4.400		



NPT



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

NPT – 1.5D BULK INSERTS

INCH	TPI	INCH	PART #	\$ EACH															
				1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1/16	27	0.271	3552-1/16X1.5D					2.070	2.070	2.070	1.450	1.450	1.450	1.030	0.830	0.830	0.620		
1/8	27	0.273	3552-1/8X1.5D					2.070	2.070	2.070	1.450	1.450	1.450	1.030	0.830	0.830	0.620		
1/4	18	0.394	3552-1/4X1.5D					3.030	3.030	3.030	2.120	2.120	2.120	1.510	1.210	1.210	0.910		
3/8	18	0.407	3552-3/8X1.5D					3.790	3.790	3.790	2.650	2.650	2.650	1.900	1.520	1.520	1.140		
1/2	14	0.534	3552-1/2X1.5D					6.190	6.190	4.330	4.330	4.330	3.090	2.480	2.480	1.860	1.860		
3/4	14	0.553	3552-3/4X1.5D					9.100	9.100	6.370	6.370	6.370	4.550	3.640	3.640	2.730	2.730		
1	11.5	0.661	3552-1X1.5D					12.000	12.000	8.400	8.400	8.400	6.000	4.800	4.800	3.600	3.600		






8-UN

1.0D, 1.5D, 2.0D






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




8-UN – 1.0D BULK INSERTS

 8-UN	 1.0D	INCH	TPI	INCH	PART #														
						\$ 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		
1-1/8	8	1.13	3570-1.1/8X1.0D				12.880	9.020	9.020	6.440	5.150	5.150	5.150	3.860	3.860	3.860	3.860		
1-1/4	8	1.25	3570-1.1/4X1.0D				14.580	10.200	10.200	7.290	5.830	5.830	5.830	4.370	4.370	4.370	4.370		
1-3/8	8	1.38	3570-1.3/8X1.0D				17.010	11.900	11.900	8.500	6.800	6.800	6.800	5.100	5.100	5.100	5.100		
1-1/2	8	1.50	3570-1.1/2X1.0D				19.440	13.610	13.610	9.720	7.770	7.770	7.770	5.830	5.830	5.830	5.830		
1-5/8	8	1.63	3570-1.5/8X1.0D				34.010	23.810	23.810	17.010	13.610	13.610	13.610	10.200	10.200	10.200	10.200		
1-3/4	8	1.75	3570-1.3/4X1.0D				34.010	23.810	23.810	17.010	13.610	13.610	13.610	10.200	10.200	10.200	10.200		
1-7/8	8	1.88	3570-1.7/8X1.0D				38.870	27.210	27.210	19.440	15.550	15.550	15.550	11.660	11.660	11.660	11.660		
2	8	2.00	3570-2X1.0D				41.300	28.910	28.910	20.650	16.520	16.520	16.520	12.390	12.390	12.390	12.390		

8-UN – 1.5D BULK INSERTS

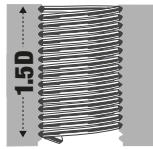
 8-UN	 1.5D	INCH	TPI	INCH	PART #														
						\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
INCH	TPI	INCH	PART #	1	2	3	5	10	25	50	100	125	250	500	1000	2500	5000		
1-1/8	8	1.69	3570-1.1/8X1.5D				15.060	10.540	10.540	7.530	6.020	6.020	6.020	4.520	4.520	4.520	4.520		
1-1/4	8	1.88	3570-1.1/4X1.5D				17.010	11.900	11.900	8.500	6.800	6.800	6.800	5.100	5.100	5.100	5.100		
1-3/8	8	2.06	3570-1.3/8X1.5D				18.950	13.270	13.270	9.480	7.580	7.580	7.580	5.690	5.690	5.690	5.690		
1-1/2	8	2.25	3570-1.1/2X1.5D				22.600	15.820	15.820	11.300	9.040	9.040	9.040	6.780	6.780	6.780	6.780		
1-5/8	8	2.44	3570-1.5/8X1.5D				37.660	26.360	26.360	18.830	15.060	15.060	15.060	11.300	11.300	11.300	11.300		
1-3/4	8	2.63	3570-1.3/4X1.5D				42.520	29.760	29.760	21.260	17.010	17.010	17.010	12.750	12.750	12.750	12.750		
1-7/8	8	2.81	3570-1.7/8X1.5D				48.590	34.010	34.010	24.300	19.440	19.440	19.440	14.580	14.580	14.580	14.580		
2	8	3.00	3570-2X1.5D				53.450	37.410	37.410	26.720	21.380	21.380	21.380	16.040	16.040	16.040	16.040		

8-UN – 2.0D BULK INSERTS

 8-UN	 2.0D	INCH	TPI	INCH	PART #														
						\$ 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		
1-1/8	8	2.25	3570-1.1/8X2.0D				17.250	12.080	12.080	8.630	6.900	6.900	6.900	5.180	5.180	5.180	5.180		
1-1/4	8	2.50	3570-1.1/4X2.0D				21.870	15.310	15.310	10.930	8.750	8.750	8.750	6.560	6.560	6.560	6.560		
1-3/8	8	2.75	3570-1.3/8X2.0D				24.300	17.010	17.010	12.150	9.720	9.720	9.720	7.290	7.290	7.290	7.290		
1-1/2	8	3.00	3570-1.1/2X2.0D				29.150	20.410	20.410	14.580	11.660	11.660	11.660	8.750	8.750	8.750	8.750		
1-5/8	8	3.25	3570-1.5/8X2.0D				48.590	34.010	34.010	24.300	19.440	19.440	19.440	14.580	14.580	14.580	14.580		
1-3/4	8	3.50	3570-1.3/4X2.0D				53.450	37.410	37.410	26.720	21.380	21.380	21.380	16.040	16.040	16.040	16.040		
1-7/8	8	3.75	3570-1.7/8X2.0D				60.740	42.520	42.520	30.370	24.300	24.300	24.300	18.220	18.220	18.220	18.220		
2	8	4.00	3570-2X2.0D				68.030	47.620	47.620	34.010	27.210	27.210	27.210	20.410	20.410	20.410	20.410		



**BA
BSC**

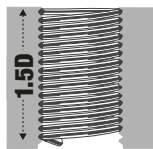


GROUP	PCWI
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

BA – 1.5D BULK INSERTS																			
				1.5D	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ 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							13.270	13.270	13.270	9.290	9.290	9.290	6.630	5.310	5.310	3.980
2	0.0319	0.19	3544-2X1.5D							1.390	1.390	1.390	0.970	0.970	0.970	0.700	0.560	0.560	0.420
4	0.0260	0.14	3544-4X1.5D							1.390	1.390	1.390	0.970	0.970	0.970	0.700	0.560	0.560	0.420
6	0.0209	0.11	3544-6X1.5D							8.840	8.840	8.840	6.190	6.190	6.190	4.420	3.540	3.540	2.650



BSC(B) – 1.5D BULK INSERTS																			
				1.5D	\$ 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
1/4	26	0.38	3560-1/4X1.5D							1.160	1.160	1.160	0.810	0.810	0.810	0.580	0.460	0.460	0.350
5/16	26	0.47	3560-5/16X1.5D							1.510	1.510	1.510	1.060	1.060	1.060	0.750	0.600	0.600	0.450
3/8	26	0.56	3560-3/8X1.5D							1.750	1.750	1.750	1.230	1.230	1.230	0.880	0.700	0.700	0.530
7/16	26	0.66	3560-7/16X1.5D							2.430	2.430	2.430	1.700	1.700	1.700	1.210	0.970	0.970	0.730
1/2	26	0.75	3560-1/2X1.5D							4.050	4.050	4.050	2.830	2.830	2.830	2.020	1.620	1.620	1.210



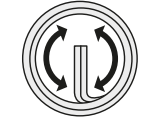


GROUP	PCIR
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING

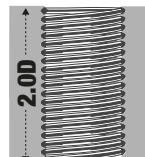
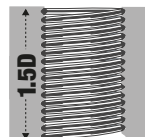


METRIC

D	MM	MM	INSTALLED LENGTH	#	\$	1.0D		1.5D		2.0D	
						\$	PART #	\$	PART #	\$	PART #
2.20	0.45	1.0D	2.20MM	1000	0.40	3520-2.20X1.0DIR					
2.20	0.45	1.5D	3.30MM	1000			0.44	3520-2.20X1.5DIR			
2.20	0.45	2.0D	4.40MM	1000					0.45	3520-2.20X2.0DIR	
2.50	0.45	1.0D	2.50MM	1000	0.37	3520-2.50X1.0DIR					
2.50	0.45	1.5D	3.75MM	1000			0.39	3520-2.50X1.5DIR			
2.50	0.45	2.0D	5.00MM	1000					0.42	3520-2.50X2.0DIR	
3.00	0.50	1.0D	3.00MM	1000	0.37	3520-3.00X1.0DIR					
3.00	0.50	1.5D	4.50MM	1000			0.39	3520-3.00X1.5DIR			
3.00	0.50	2.0D	6.00MM	1000					0.42	3520-3.00X2.0DIR	
4.00	0.70	1.0D	4.00MM	1000	0.37	3520-4.00X1.0DIR					
4.00	0.70	1.5D	6.00MM	1000			0.39	3520-4.00X1.5DIR			
4.00	0.70	2.0D	8.00MM	1000					0.42	3520-4.00X2.0DIR	
5.00	0.80	1.0D	5.00MM	1000	0.47	3520-5.00X1.0DIR					
5.00	0.80	1.5D	7.50MM	1000			0.49	3520-5.00X1.5DIR			
5.00	0.80	2.0D	10.00MM	1000					0.52	3520-5.00X2.0DIR	
6.00	1.00	1.0D	6.00MM	500	0.51	3520-6.00X1.0DIR					
6.00	1.00	1.5D	9.00MM	500			0.55	3520-6.00X1.5DIR			
6.00	1.00	2.0D	12.00MM	500					0.59	3520-6.00X2.0DIR	
8.00	1.00	1.0D	8.00MM	250	0.74	3521-8.00X1.0DIR					
8.00	1.00	1.5D	12.00MM	250			0.85	3521-8.00X1.5DIR			
8.00	1.00	2.0D	16.00MM	250					0.93	3521-8.00X2.0DIR	
8.00	1.25	1.0D	8.00MM	250	0.74	3520-8.00X1.0DIR					
8.00	1.25	1.5D	12.00MM	250			0.85	3520-8.00X1.5DIR			
8.00	1.25	2.0D	16.00MM	250					0.93	3520-8.00X2.0DIR	
10.00	1.50	1.0D	10.00MM	250	1.05	3520-10.00X1.0DIR					
10.00	1.50	1.5D	15.00MM	250			1.19	3520-10.00X1.5DIR			
10.00	1.50	2.0D	20.00MM	250					1.36	3520-10.00X2.0DIR	
12.00	1.75	1.0D	12.00MM	125	1.54	3520-12.00X1.0DIR					
12.00	1.75	1.5D	18.00MM	125			1.65	3520-12.00X1.5DIR			
12.00	1.75	2.0D	24.00MM	125					1.94	3520-12.00X2.0DIR	



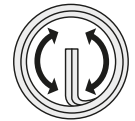
**MC
MF**



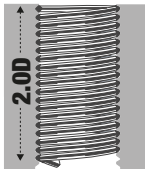
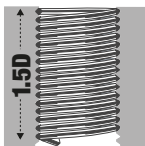
GROUP	PCIR
INSERT TYPE	WIRE THREAD
INSERT MATERIAL	304 STAINLESS STEEL
STYLE	FREE RUNNING



UNC										
INCH	TPI	INSTALLED LENGTH	#	\$	PART #	\$	PART #	\$	PART #	
2G	56	1.0D	0.09"	1000	0.47	3532-2GX1.0DIR				
2G	56	1.5D	0.13"	1000			0.52	3532-2GX1.5DIR		
2G	56	2.0D	0.17"	1000					0.54	3532-2GX2.0DIR
4G	40	1.0D	0.11"	1000	0.36	3532-4GX1.0DIR				
4G	40	1.5D	0.17"	1000			0.38	3532-4GX1.5DIR		
4G	40	2.0D	0.22"	1000					0.42	3532-4GX2.0DIR
5G	40	1.0D	0.13"	1000	0.36	3532-5GX1.0DIR				
5G	40	1.5D	0.19"	1000			0.38	3532-5GX1.5DIR		
5G	40	2.0D	0.25"	1000					0.42	3532-5GX2.0DIR
6G	32	1.0D	0.14"	1000	0.36	3532-6GX1.0DIR				
6G	32	1.5D	0.21"	1000			0.38	3532-6GX1.5DIR		
6G	32	2.0D	0.28"	1000					0.42	3532-6GX2.0DIR
8G	32	1.0D	0.16"	1000	0.36	3532-8GX1.0DIR				
8G	32	1.5D	0.25"	1000			0.38	3532-8GX1.5DIR		
8G	32	2.0D	0.33"	1000					0.42	3532-8GX2.0DIR
10G	24	1.0D	0.19"	1000	0.36	3532-10GX1.0DIR				
10G	24	1.5D	0.29"	1000			0.48	3532-10GX1.5DIR		
10G	24	2.0D	0.38"	1000					0.52	3532-10GX2.0DIR
12G	24	1.0D	0.22"	500	0.45	3532-12GX1.0DIR				
12G	24	1.5D	0.32"	500			0.47	3532-12GX1.5DIR		
12G	24	2.0D	0.43"	500					0.49	3532-12GX2.0DIR
1/4	20	1.0D	0.25"	500	0.53	3532-1/4X1.0DIR				
1/4	20	1.5D	0.38"	500			0.54	3532-1/4X1.5DIR		
1/4	20	2.0D	0.50"	500					0.61	3532-1/4X2.0DIR
5/16	18	1.0D	0.31"	250	0.80	3532-5/16X1.0DIR				
5/16	18	1.5D	0.47"	250			0.85	3532-5/16X1.5DIR		
5/16	18	2.0D	0.62"	250					0.92	3532-5/16X2.0DIR
3/8	16	1.0D	0.38"	250	1.08	3532-3/8X1.0DIR				
3/8	16	1.5D	0.57"	250			1.19	3532-3/8X1.5DIR		
3/8	16	2.0D	0.76"	250					1.38	3532-3/8X2.0DIR
UNF										
4G	48	1.0D	0.11"	1000	0.36	3534-4GX1.0DIR				
4G	48	1.5D	0.17"	1000			0.38	3534-4GX1.5DIR		
4G	48	2.0D	0.22"	1000					0.42	3534-4GX2.0DIR
6G	40	1.0D	0.14"	1000	0.36	3534-6GX1.0DIR				
6G	40	1.5D	0.21"	1000			0.38	3534-6GX1.5DIR		
6G	40	2.0D	0.28"	1000					0.42	3534-6GX2.0DIR
8G	36	1.0D	0.16"	1000	0.36	3534-8GX1.0DIR				
8G	36	1.5D	0.25"	1000			0.38	3534-8GX1.5DIR		
8G	36	2.0D	0.33"	1000					0.42	3534-8GX2.0DIR
10G	32	1.0D	0.19"	1000	0.36	3534-10GX1.0DIR				
10G	32	1.5D	0.29"	1000			0.48	3534-10GX1.5DIR		
10G	32	2.0D	0.38"	1000					0.52	3534-10GX2.0DIR
1/4	28	1.0D	0.25"	500	0.53	3534-1/4X1.0DIR				
1/4	28	1.5D	0.38"	500			0.54	3534-1/4X1.5DIR		
1/4	28	2.0D	0.50"	500					0.61	3534-1/4X2.0DIR
5/16	24	1.0D	0.31"	250	0.80	3534-5/16X1.0DIR				
5/16	24	1.5D	0.47"	250			0.85	3534-5/16X1.5DIR		
5/16	24	2.0D	0.62"	250					0.92	3534-5/16X2.0DIR
3/8	24	1.0D	0.38"	250	1.08	3534-3/8X1.0DIR				
3/8	24	1.5D	0.57"	250			1.19	3534-3/8X1.5DIR		
3/8	24	2.0D	0.76"	250					1.37	3534-3/8X2.0DIR



**UNC
UNF**





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

METRIC COARSE – STI TAPS

2.00	0.40	44.50	60.64	3520-2.00T	3520-2.00I	3520-2.00B	77.07	3520-2.00SP	3520-2.00SF	
2.20	0.45	44.50	60.64	3520-2.20T	3520-2.20I	3520-2.20B	77.07	3520-2.20SP	3520-2.20SF	
2.50	0.45	48.00	44.22	3520-2.50T	3520-2.50I	3520-2.50B	50.85	3520-2.50SP	3520-2.50SF	
3.00	0.50	53.00	37.91	3520-3.00T	3520-3.00I	3520-3.00B	50.54	3520-3.00SP	3520-3.00SF	
3.50	0.60	53.00	44.22	3520-3.50T	3520-3.50I	3520-3.50B	50.85	3520-3.50SP	3520-3.50SF	
4.00	0.70	58.00	35.38	3520-4.00T	3520-4.00I	3520-4.00B	44.22	3520-4.00SP	3520-4.00SF	
5.00	0.80	66.00	35.38	3520-5.00T	3520-5.00I	3520-5.00B	44.22	3520-5.00SP	3520-5.00SF	
6.00	1.00	72.00	35.38	3520-6.00T	3520-6.00I	3520-6.00B	48.00	3520-6.00SP	3520-6.00SF	
7.00	1.00	72.00	44.22	3520-7.00T	3520-7.00I	3520-7.00B	48.00	3520-7.00SP	3520-7.00SF	
8.00	1.25	80.00	41.70	3520-8.00T	3520-8.00I	3520-8.00B	51.80	3520-8.00SP	3520-8.00SF	
9.00	1.25	85.00	63.17	3520-9.00T	3520-9.00I	3520-9.00B				
10.00	1.50	89.00	50.54	3520-10.00T	3520-10.00I	3520-10.00B	56.85	3520-10.00SP	3520-10.00SF	
11.00	1.50	89.00	69.49	3520-11.00T	3520-11.00I	3520-11.00B	83.38	3520-11.00SP	3520-11.00SF	
12.00	1.75	95.00	69.49	3520-12.00T	3520-12.00I	3520-12.00B	82.12	3520-12.00SP	3520-12.00SF	
13.00	1.75	95.00	113.70	3520-13.00T	3520-13.00I	3520-13.00B				
14.00	2.00	102.00	82.12	3520-14.00T	3520-14.00I	3520-14.00B	101.07	3520-14.00SP	3520-14.00SF	
15.00	2.00	112.00	101.07	3520-15.00T	3520-15.00I	3520-15.00B				
16.00	2.00	112.00	94.75	3520-16.00T	3520-16.00I	3520-16.00B	113.70	3520-16.00SP	3520-16.00SF	
18.00	2.50	118.00	151.60	3520-18.00T	3520-18.00I	3520-18.00B	227.41	3520-18.00SP	3520-18.00SF	
20.00	2.50	118.00	164.24	3520-20.00T	3520-20.00I	3520-20.00B	189.50	3520-20.00SP	3520-20.00SF	
22.00	2.50	130.00	189.50	3520-22.00T	3520-22.00I	3520-22.00B	200.46	3520-22.00SP	3520-22.00SF	
24.00	3.00	138.00	227.41	3520-24.00T	3520-24.00I	3520-24.00B	240.04	3520-24.00SP	3520-24.00SF	
27.00	3.00	151.00	246.35		3520-27.00I					
30.00	3.50	162.00	328.46		3520-30.00I		366.37	3520-30.00SP	3520-30.00SF	
33.00	3.50	162.00	328.46		3520-33.00I		438.66	3520-33.00SP	3520-33.00SF	
36.00	4.00	170.00	366.37		3520-36.00I					

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

METRIC FINE – STI TAPS

MM	MM	MM	\$	PART #	PART #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #
8.00	1.00	80.00	44.22	3521-8.00T	3521-8.00I	3521-8.00B	50.54	3521-8.00SP	3521-8.00SF												
10.00	1.25	85.00	50.54	3521-10.00T	3521-10.00I	3521-10.00B	63.17	3521-10.00SP	3521-10.00SF												
10.00	1.00	85.00	56.85	3523-10.00T	3523-10.00I	3523-10.00B	63.17	3523-10.00SP	3523-10.00SF												
11.00	1.25	88.00	69.49	3521-11.00T	3521-11.00I	3521-11.00B															
11.00	1.00	88.00	88.43	3523-11.00T	3523-11.00I	3523-11.00B															
12.00	1.50	95.00	69.49	3521-12.00T	3521-12.00I	3521-12.00B	88.43	3521-12.00SP	3521-12.00SF												
12.00	1.25	95.00	75.79	3523-12.00T	3523-12.00I	3523-12.00B	88.43	3523-12.00SP	3523-12.00SF												
12.00	1.00	95.00	120.02	3524-12.00T	3524-12.00I	3524-12.00B															
13.00	1.25	95.00	113.70	3523-13.00T	3523-13.00I	3523-13.00B															
14.00	1.50	102.00	82.12	3521-14.00T	3521-14.00I	3521-14.00B	113.70	3521-14.00SP	3521-14.00SF												
14.00	1.25	102.00	85.92	3523-14.00T	3523-14.00I	3523-14.00B	113.70	3523-14.00SP	3523-14.00SF												
14.00	1.00	102.00	85.92	3524-14.00T	3524-14.00I	3524-14.00B															
15.00	1.50	104.00	113.70	3521-15.00T	3521-15.00I	3521-15.00B															
16.00	1.50	104.00	101.07	3521-16.00T	3521-16.00I	3521-16.00B															
18.00	2.00	104.00	164.24	3521-18.00T	3521-18.00I	3521-18.00B															
18.00	1.50	104.00	151.60	3523-18.00T	3523-18.00I	3523-18.00B															
20.00	2.00	113.00	176.86	3521-20.00T	3521-20.00I	3521-20.00B															
20.00	1.50	113.00	170.54	3523-20.00T	3523-20.00I	3523-20.00B															
22.00	2.00	120.00	202.14	3521-22.00T	3521-22.00I	3521-22.00B															
22.00	1.50	120.00	189.50	3523-22.00T	3523-22.00I	3523-22.00B															
24.00	2.00	127.00	240.04	3521-24.00T	3521-24.00I	3521-24.00B															
24.00	1.50	120.00	227.41	3523-24.00T	3523-24.00I	3523-24.00B															
26.00	1.50	127.00	246.35	3523-26.00T	3523-26.00I	3523-26.00B															
27.00	2.00	127.00	246.35	3521-27.00T	3521-27.00I	3521-27.00B															
27.00	1.50	127.00	246.35	3523-27.00T	3523-27.00I	3523-27.00B															
28.00	1.50	127.00	328.46	3523-28.00T	3523-28.00I	3523-28.00B															
30.00	2.00	137.00	328.46	3521-30.00T	3521-30.00I	3521-30.00B															
30.00	1.50	137.00	328.46	3523-30.00T	3523-30.00I	3523-30.00B															
33.00	2.00	144.00	328.46	3521-33.00T	3521-33.00I	3521-33.00B															
36.00	3.00	170.00	366.37	3521-36.00T	3521-36.00I	3521-36.00B															
36.00	2.00	150.00	366.37	3523-36.00T	3523-36.00I	3523-36.00B															
36.00	1.50	150.00	366.37	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	50.54	3520-6.00PN							
8.00	1.25	75.00	63.17	3520-8.00PN							
10.00	1.50	80.00	69.49	3520-10.00PN							
10.00	1.00	74.00	82.12	3522-10.00PN							
12.00	1.25	75.00	88.43	3522-12.00PN							
14.00	1.25	90.00	98.54	3522-14.00PN							
18.00	1.50	116.00	189.50	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 #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #
2G	56	48.00	40.43	3532-2GT	3532-2GI	3532-2GB	48.00	3532-2GSP	3532-2GSF												
3G	48	48.00	63.17	3532-3GT	3532-3GI	3532-3GB	75.79	3532-3GSP	3532-3GSF												
4G	40	53.00	40.43	3532-4GT	3532-4GI	3532-4GB	48.00	3532-4GSP	3532-4GSF												
5G	40	53.00	44.22	3532-5GT	3532-5GI	3532-5GB	50.54	3532-5GSP	3532-5GSF												
6G	32	58.00	35.38	3532-6GT	3532-6GI	3532-6GB	44.22	3532-6GSP	3532-6GSF												
8G	32	62.00	37.91	3532-8GT	3532-8GI	3532-8GB	44.22	3532-8GSP	3532-8GSF												
10G	24	66.00	37.91	3532-10GT	3532-10GI	3532-10GB	44.22	3532-10GSP	3532-10GSF												
12G	24	66.00	40.43	3532-12GT	3532-12GI	3532-12GB	50.54	3532-12GSP	3532-12GSF												
1/4	20	72.00	37.91	3532-1/4T	3532-1/4I	3532-1/4B	48.00	3532-1/4SP	3532-1/4SF												
5/16	18	80.00	41.70	3532-5/16T	3532-5/16I	3532-5/16B	50.54	3532-5/16SP	3532-5/16SF												
3/8	16	85.00	45.49	3532-3/8T	3532-3/8I	3532-3/8B	56.85	3532-3/8SP	3532-3/8SF												
7/16	14	95.00	60.64	3532-7/16T	3532-7/16I	3532-7/16B	75.79	3532-7/16SP	3532-7/16SF												
1/2	13	102.00	68.22	3532-1/2T	3532-1/2I	3532-1/2B	84.64	3532-1/2SP	3532-1/2SF												
9/16	12	112.00	82.12	3532-9/16T	3532-9/16I	3532-9/16B															
5/8	11	112.00	94.75	3532-5/8T	3532-5/8I	3532-5/8B	113.70	3532-5/8SP	3532-5/8SF												
3/4	10	118.00	145.29	3532-3/4T	3532-3/4I	3532-3/4B	167.08	3532-3/4SP	3532-3/4SF												
7/8	9	130.00	183.18	3532-7/8T	3532-7/8I	3532-7/8B	227.41	3532-7/8SP	3532-7/8SF												
1	8	138.00	227.41	3532-1T	3532-1I	3532-1B	250.40	3532-1SP	3532-1SF												
1-1/8	7	151.00	227.41	3532-1.1/8T	3532-1.1/8I	3532-1.1/8B															
1-1/4	7	162.00	271.61	3532-1.1/4T	3532-1.1/4I	3532-1.1/4B															
1-3/8	6	170.00	334.79	3532-1.3/8T	3532-1.3/8I	3532-1.3/8B															
1-1/2	6	187.00	442.18	3532-1.1/2T	3532-1.1/2I	3532-1.1/2B															







UNF – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #	PART #	\$	PART #	PART #
3G	56	48.00	63.17	3534-3GT	3534-3GI	3534-3GB	75.79	3534-3GSP	3534-3GSF												
4G	48	53.00	63.17	3534-4GT	3534-4GI	3534-4GB	75.79	3534-4GSP	3534-4GSF												
6G	40	53.00	63.17	3534-6GT	3534-6GI	3534-6GB	75.79	3534-6GSP	3534-6GSF												
8G	36	62.00	63.17	3534-8GT	3534-8GI	3534-8GB	75.79	3534-8GSP	3534-8GSF												
10G	32	66.00	37.91	3534-10GT	3534-10GI	3534-10GB	44.22	3534-10GSP	3534-10GSF												
12G	28	66.00	42.52	3534-12GT	3534-12GI	3534-12GB	60.73	3534-12GSP	3534-12GSF												
1/4	28	69.00	37.91	3534-1/4T	3534-1/4I	3534-1/4B	48.00	3534-1/4SP	3534-1/4SF												
5/16	24	76.00	41.70	3534-5/16T	3534-5/16I	3534-5/16B	50.54	3534-5/16SP	3534-5/16SF												
3/8	24	82.00	45.49	3534-3/8T	3534-3/8I	3534-3/8B	56.85	3534-3/8SP	3534-3/8SF												
7/16	20	84.00	60.64	3534-7/16T	3534-7/16I	3534-7/16B	75.79	3534-7/16SP	3534-7/16SF												
1/2	20	90.00	68.22	3534-1/2T	3534-1/2I	3534-1/2B	84.64	3534-1/2SP	3534-1/2SF												
9/16	18	104.00	82.12	3534-9/16T	3534-9/16I	3534-9/16B	99.43	3534-9/16SP	3534-9/16SF												
5/8	18	104.00	94.75	3534-5/8T	3534-5/8I	3534-5/8B	113.70	3534-5/8SP	3534-5/8SF												
3/4	16	104.00	145.29	3534-3/4T	3534-3/4I	3534-3/4B	169.62	3534-3/4SP	3534-3/4SF												
7/8	14	120.00	183.18	3534-7/8T	3534-7/8I	3534-7/8B	227.41	3534-7/8SP	3534-7/8SF												
1	12	127.00	227.41	3534-1T	3534-1I	3534-1B	250.40	3534-1SP	3534-1SF												
1	14	127.00	240.04	3535-1T	3535-1I	3535-1B	286.59	3535-1SP	3535-1SF												
1-1/8	12	137.00	227.41	3534-1.1/8T	3534-1.1/8I	3534-1.1/8B															
1-1/4	12	144.00	271.61	3534-1.1/4T	3534-1.1/4I	3534-1.1/4B															
1-3/8	12	150.00	334.79	3534-1.3/8T	3534-1.3/8I	3534-1.3/8B															
1-1/2	12	150.00	442.18	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	63.17	3528-1/8T	3528-1/8I	3528-1/8B
3/16	24	56.00	44.22	3528-3/16T	3528-3/16I	3528-3/16B
1/4	20	72.00	41.70	3528-1/4T	3528-1/4I	3528-1/4B
5/16	18	80.00	44.22	3528-5/16T	3528-5/16I	3528-5/16B
3/8	16	85.00	50.54	3528-3/8T	3528-3/8I	3528-3/8B
7/16	14	95.00	65.70	3528-7/16T	3528-7/16I	3528-7/16B
1/2	12	102.00	73.28	3528-1/2T	3528-1/2I	3528-1/2B
9/16	12	102.00	94.75	3528-9/16T	3528-9/16I	3528-9/16B
5/8	11	112.00	107.38	3528-5/8T	3528-5/8I	3528-5/8B
11/16	11	112.00	121.48	3528-11/16T	3528-11/16I	3528-11/16B
3/4	10	118.00	157.92	3528-3/4T	3528-3/4I	3528-3/4B
7/8	9	130.00	195.83	3528-7/8T	3528-7/8I	3528-7/8B
1	8	138.00	252.67	3528-1T	3528-1I	3528-1B

BSF – STI TAPS						
						
INCH	TPI	MM	\$	PART #	PART #	PART #
3/16	32	66.00	56.85	3530-3/16T	3530-3/16I	3530-3/16B
1/4	26	72.00	56.85	3530-1/4T	3530-1/4I	3530-1/4B
5/16	22	80.00	60.64	3530-5/16T	3530-5/16I	3530-5/16B
3/8	20	85.00	69.49	3530-3/8T	3530-3/8I	3530-3/8B
7/16	18	89.00	94.75	3530-7/16T	3530-7/16I	3530-7/16B
1/2	16	95.00	101.07	3530-1/2T	3530-1/2I	3530-1/2B
9/16	16	102.00	113.70	3530-9/16T	3530-9/16I	3530-9/16B
5/8	14	112.00	138.97	3530-5/8T	3530-5/8I	3530-5/8B
11/16	14	112.00	170.07	3530-11/16T	3530-11/16I	3530-11/16B
3/4	12	118.00	214.77	3530-3/4T	3530-3/4I	3530-3/4B
7/8	11	130.00	233.72	3530-7/8T	3530-7/8I	3530-7/8B
1	10	138.00	322.15	3530-1T	3530-1I	3530-1B

BSP – STI TAPS						
						
INCH	TPI	MM	\$	PART #	PART #	PART #
1/8	28	59.00	56.85	3546-1/8T	3546-1/8I	3546-1/8B
1/4	19	67.00	72.64	3546-1/4T	3546-1/4I	3546-1/4B
3/8	19	75.00	94.75	3546-3/8T	3546-3/8I	3546-3/8B
1/2	14	87.00	145.29	3546-1/2T	3546-1/2I	3546-1/2B
5/8	14	91.00	176.86	3546-5/8T	3546-5/8I	3546-5/8B
3/4	14	96.00	195.83	3546-3/4T	3546-3/4I	3546-3/4B
7/8	14	96.00	279.40	3546-7/8T	3546-7/8I	3546-7/8B
1	11	109.00	290.58	3546-1T	3546-1I	3546-1B



GROUP	PCTP
MATERIAL	HSS
TOLERANCE	3B
TYPE	STI

NPT – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #
1/8	27	54.00	56.85	3552-1/8T	3552-1/8I	3552-1/8B
1/4	18	62.00	72.64	3552-1/4T	3552-1/4I	3552-1/4B
3/8	18	65.00	94.75	3552-3/8T	3552-3/8I	3552-3/8B
1/2	14	80.00	145.29	3552-1/2T	3552-1/2I	3552-1/2B
3/4	14	83.00	195.83	3552-3/4T	3552-3/4I	3552-3/4B
1	11.5	95.00	290.58	3552-1T	3552-1I	3552-1B

8-UN – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #
1-1/8	8	151.00	364.43	3570-1.1/8T	3570-1.1/8I	3570-1.1/8B
1-1/4	8	162.00	425.16	3570-1.1/4T	3570-1.1/4I	3570-1.1/4B
1-3/8	8	170.00	546.64	3570-1.3/8T	3570-1.3/8I	3570-1.3/8B
1-1/2	8	170.00	425.16	3570-1.1/2T	3570-1.1/2I	3570-1.1/2B
1-5/8	8	187.00	655.97	3570-1.5/8T	3570-1.5/8I	3570-1.5/8B
1-3/4	8	187.00	728.85	3570-1.3/4T	3570-1.3/4I	3570-1.3/4B
1-7/8	8	200.00	850.33	3570-1.7/8T	3570-1.7/8I	3570-1.7/8B
2	8	200.00	911.07	3570-2T	3570-2I	3570-2B

BSC – STI TAPS

INCH	TPI	MM	\$	PART #	PART #	PART #
1/4	26	69.00	48.59	3560-1/4T	3560-1/4I	3560-1/4B
5/16	26	76.00	60.73	3560-5/16T	3560-5/16I	3560-5/16B
3/8	26	82.00	72.89	3560-3/8T	3560-3/8I	3560-3/8B
7/16	26	84.00	91.11	3560-7/16T	3560-7/16I	3560-7/16B
1/2	26	90.00	113.70	3560-1/2T	3560-1/2I	3560-1/2B

BA – STI TAPS

INCH	INCH	MM	\$	PART #	PART #	PART #
0	0.0394	66.00	75.79	3544-0T	3544-0I	3544-0B
2	0.0319	66.00	75.79	3544-2T	3544-2I	3544-2B
4	0.0260	53.00	75.79	3544-4T	3544-4I	3544-4B
6	0.0209	50.00	75.79	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	-	-	-	-	-	-	-	-	-	-	-	20.21	3500-HIT2	
2.20X0.45	-	-	2GX56	-	-	-	-	-	-	-	-	20.21	3500-HIT2	
2.50X0.45	-	-	3GX48	3GX56	-	-	#6	-	-	-	-	20.21	3500-HIT3	
3X0.50	-	-	4GX40	4GX48	1/8X40	-	-	-	-	-	-	20.21	3500-HIT4	
-	-	-	5GX40	-	-	-	-	-	-	-	-	20.21	3500-HIT4	
3.50X0.60	-	-	6GX32	6GX40	-	-	#4	-	-	-	-	20.21	3500-HIT5	
4X0.70	-	-	8GX32	8GX36	-	-	-	-	-	-	-	13.91	3500-HIT6	
-	-	-	10GX24	-	3/16X24	-	#2	-	-	-	-	13.91	3500-HIT7	
5X0.80	-	-	12GX24	10GX32	-	3/16X32	-	-	-	-	-	13.91	3500-HIT8	
-	-	-	-	12GX28	-	-	-	-	-	-	-	13.91	3500-HIT8	
6X1.00	-	-	1/4X20	1/4X28	1/4X20	1/4X26	#0	1/4X26	-	-	-	13.91	3500-HIT9	
7X1.00	-	-	5/16X18	-	5/16X18	-	-	-	1/16X27	-	-	13.91	3500-HIT10	
8X1.25	8X1.00	-	-	5/16X24	3/8X16	5/16X22	-	5/16X26	-	-	-	13.91	3500-HIT11	
9X1.25	10X1.25	10X1.00	3/8X16	3/8X24	-	3/8X20	-	3/8X26	-	-	-	13.91	3500-HIT13	
9X1.00	10X1.00	-	-	-	-	-	-	-	-	-	-	13.91	3500-HIT13	
10X1.50	-	-	-	-	-	-	-	-	1/8X27	-	-	13.91	3500-HIT13	
11X1.50	11X1.25	-	7/16X14	7/16X20	7/16X14	7/16X18	-	7/16X26	-	1/8X28	-	15.15	3500-HIT14	
-	11X1.00	-	-	7/16X14	-	-	-	-	-	-	-	15.15	3500-HIT14	
12X1.75	12X1.50	10X1.25	1/2X13	1/2X20	1/2X12	1/2X16	-	1/2X26	-	-	-	16.42	3500-HIT15	
12X1.00	12X1.25	-	-	-	-	-	-	-	-	-	-	16.42	3500-HIT15	
14X2.00	14X1.00	-	9/16X12	9/16X18	9/16X12	9/16X16	-	-	-	1/4X19	-	17.69	3500-HIT16	
15X2.00	14X1.50	-	-	-	-	-	-	-	1/4X18	-	-	17.69	3500-HIT16	
-	-	14X1.25	-	-	-	-	-	-	-	-	-	17.69	3500-HIT17	
16X2.00	16X1.50	-	5/8X11	5/8X18	5/8X11	5/8X14	-	-	3/8X18	-	-	17.69	3500-HIT18	
18X2.50	18X2.00	18X1.50	3/4X10	-	3/4X10	3/4X12	-	-	-	3/8X19	-	17.69	3500-HIT20	
-	18X1.50	-	-	-	-	-	-	-	-	-	-	17.69	3500-HIT20	
20X2.50	20X2.00	-	-	3/4X16	-	-	-	-	-	-	-	22.74	3500-HIT21	
-	20X1.50	-	-	-	-	-	-	-	-	-	-	22.74	3500-HIT21	
22X2.50	22X2.00	-	7/8X9	7/8X14	7/8X9	7/8X11	-	-	1/2X14	-	-	25.25	3500-HIT22	
-	22X1.50	-	-	-	-	-	-	-	-	-	-	25.25	3500-HIT22	
24X3.00	24X2.00	-	1X8	1X12	1X8	1X10	-	-	-	1/2X14	-	44.22	3500-HIT23	
-	24X1.50	-	-	1X14	-	-	-	-	-	5/8X14	-	44.22	3500-HIT23	
27X3.00	26X1.50	-	-	-	-	-	-	-	3/4X14	3/4X14	-	42.52	3500-HIT24	
30X3.00	-	-	1.1/8-7	1.1/8-12	-	-	-	-	-	-	1.1/8X8	42.52	3500-HIT25	
33X3.50	30X2.00	-	1.1/4-7	1.1/4-12	-	-	-	-	-	-	1.1/4X8	60.73	3500-HIT26	
-	-	-	1.3/8-6	1.3/8-12	-	-	-	-	1X11.5	7/8X14	1.3/8X8	60.73	3500-HIT27	
-	-	-	-	-	-	-	-	-	-	1X11	-	60.73	3500-HIT27	
36X4.00	36X2.00	-	1.1/2-6	1.1/2-12	-	-	-	-	-	-	1.1/2X8	60.73	3500-HIT28	
-	-	-	-	-	-	-	-	-	-	-	1.5/8X8	60.73	3500-HIT28	
-	-	-	-	-	-	-	-	-	-	-	1.3/4X8	60.73	3500-HIT28	
-	-	-	-	-	-	-	-	-	-	-	1.7/8X8	85.03	3500-HIT30	
-	-	-	-	-	-	-	-	-	-	-	2X8	85.03	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	-	-	-	-	-	-	-	-	9.47	3500-TB1	21.27	3500-RT1
2.20X0.45	-	-	2GX56	-	-	-	-	-	9.47	3500-TB2	21.27	3500-RT1
2.50X0.45	-	-	3GX48	3GX56	-	-	#6	-	9.47	3500-TB3	21.27	3500-RT1
-	-	-	4GX40	4GX48	1/8X40	-	-	-	9.47	3500-TB4	21.27	3500-RT1
3X0.50	-	-	-	4GX48	-	-	-	-	9.47	3500-TB4	24.01	3500-RT2
-	-	-	5GX40	-	-	-	-	-	9.47	3500-TB4	21.27	3500-RT1
3.50X0.60	-	-	-	-	-	-	-	-	9.47	3500-TB5	24.01	3500-RT2
-	-	-	6GX32	6GX40	-	-	#4	-	9.47	3500-TB5	21.27	3500-RT1
4X0.70	-	-	-	-	-	3/16X32	-	-	9.47	3500-TB6	24.01	3500-RT2
-	-	-	8GX32	8GX36	-	-	-	-	9.47	3500-TB6	21.27	3500-RT1
5X0.80	-	-	10GX24	10GX32	3/16X24	-	#2	-	9.47	3500-TB8	24.01	3500-RT2
-	-	-	12GX24	12GX28	-	-	-	-	9.47	3500-TB8	24.01	3500-RT2
6X1.00	-	-	1/4X20	1/4X28	1/4X20	1/4X26	-	1/4X26	9.47	3500-TB9	24.01	3500-RT2
7X1.00	-	-	-	-	5/16X18	5/16X22	#0	-	10.67	3500-TB11	24.01	3500-RT2
8X1.25	8X1.00	-	5/16X18	5/16X24	-	-	-	5/16X26	10.67	3500-TB12	24.01	3500-RT2
9X1.25	9X1.00	10X1.00	-	-	-	-	-	-	10.67	3500-TB12	24.01	3500-RT2
-	-	-	3/8X16	-	3/8X16	3/8X20	-	-	10.67	3500-TB12	26.53	3500-RT3
10X1.50	10X1.25	-	-	-	-	-	-	-	10.67	3500-TB13	24.01	3500-RT2
-	-	-	-	3/8X24	-	-	-	3/8X26	10.67	3500-TB13	26.53	3500-RT3
-	10X1.00	-	-	-	-	-	-	-	10.67	3500-TB13	24.01	3500-RT2
11X1.50	11X1.25	-	7/16X14	7/16X20	7/16X14	7/16X18	-	7/16X26	12.88	3500-TB14	26.53	3500-RT3
-	11X1.00	-	-	-	-	-	-	-	12.88	3500-TB14	26.53	3500-RT3
12X1.75	12X1.50	10X1.25	1/2X13	1/2X20	1/2X12	1/2X16	-	1/2X26	12.88	3500-TB15	26.53	3500-RT3
-	12X1.00	12X1.25	-	-	-	-	-	-	12.88	3500-TB15	26.53	3500-RT3
13X1.75	13X1.50	-	-	-	-	-	-	-	12.88	3500-TB15	26.53	3500-RT3
-	13X1.25	-	-	-	-	-	-	-			26.53	3500-RT3
14X2.00	14X1.50	14X1.25	9/16X12	9/16X18	9/16X12	9/16X16	-	-			26.53	3500-RT3
-	14X1.00	-	-	-	-	-	-	-			26.53	3500-RT3
15X2.00	15X1.50	-	-	-	-	-	-	-			26.53	3500-RT3
16X2.00	16X1.50	-	5/8X11	5/8X18	5/8X11	5/8X14	-	-			26.53	3500-RT3
18X2.50	18X2.00	18X1.50	3/4X10	-	3/4X10	3/4X12	-	-			26.53	3500-RT3
20X2.50	20X2.00	-	-	3/4X16	-	-	-	-			26.53	3500-RT3
-	20X1.50	-	-	-	-	-	-	-			26.53	3500-RT3
22X2.50	22X2.00	-	7/8X9	7/8X14	7/8X9	7/8X11	-	-			26.53	3500-RT3
-	22X1.50	-	-	-	-	-	-	-			26.53	3500-RT3
24X3.00	24X2.00	-	1X8	1X12	1X8	1X10	-	-			26.53	3500-RT3
-	24X1.50	-	-	1X14	-	-	-	-			26.53	3500-RT3
-	26X1.50	-	-	-	-	-	-	-			63.17	3500-RT4
27X3.00	27X2.00	-	-	-	-	-	-	-			63.17	3500-RT4
-	27X1.50	-	-	-	-	-	-	-			63.17	3500-RT4
-	28X1.50	-	-	-	-	-	-	-			63.17	3500-RT4
30X3.50	30X2.00	-	1.1/8X7	1.1/8X12	-	-	-	-			63.17	3500-RT4
-	30X1.50	-	1.1/4X7	1.1/4X12	-	-	-	-			63.17	3500-RT4
33X3.50	33X2.00	-	1.3/8X6	1.3/8X12	-	-	-	-			63.17	3500-RT4
36X4.00	36X3.00	-	1.1/2X6	1.1/2X12	-	-	-	-			63.17	3500-RT4
-	36X2.00	-	-	-	-	-	-	-			63.17	3500-RT4
-	36X1.50	-	-	-	-	-	-	-			63.17	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	–	–	42.52	3520-2.00MIT	303.21	3520-2.00HIP	127.55	3500-STB1
2.20X0.45	–	–	42.52	3520-2.20MIT	303.21	3520-2.20HIP	127.55	3500-STB1
2.50X0.45	–	–	42.52	3520-2.50MIT	252.67	3520-2.50HIP	127.55	3500-STB2
3X0.50	–	–	31.58	3520-3.00MIT	252.67	3520-3.00HIP	127.55	3500-STB4
3.50X0.60	–	–	31.58	3520-3.50MIT	252.67	3520-3.50HIP	127.55	3500-STB4
4X0.70	–	–	31.58	3520-4.00MIT	252.67	3520-4.00HIP	127.55	3500-STB5
5X0.80	–	–	31.58	3520-5.00MIT	252.67	3520-5.00HIP	127.55	3500-STB6
6X1.00	–	–	31.58	3520-6.00MIT	252.67	3520-6.00HIP	127.55	3500-STB8
7X1.00	–	–	38.78	3520-7.00MIT	252.67	3520-7.00HIP		
8X1.25	–	–	38.78	3520-8.00MIT	252.67	3520-8.00HIP	194.37	3500-STB9
–	8X1.00	–	37.30	3521-8.00MIT	252.67	3521-8.00HIP	194.37	3500-STB9
10X1.50	–	–	42.77	3520-10.00MIT	252.67	3520-10.00HIP	194.37	3500-STB10
–	10X1.25	–	41.13	3521-10.00MIT	252.67	3521-10.00HIP	194.37	3500-STB10
–	10X1.00	–	41.13	3523-10.00MIT	252.67	3523-10.00HIP	194.37	3500-STB10
11X1.50	–	–	47.50	3520-11.00MIT	404.27	3520-11.00HIP		
12X1.75	–	–	47.50	3520-12.00MIT	252.67	3520-12.00HIP	267.24	3500-STB12
–	12X1.50	–	45.67	3521-12.00MIT	252.67	3521-12.00HIP	267.24	3500-STB12
–	–	12X1.25	45.67	3523-12.00MIT	252.67	3523-12.00HIP	267.24	3500-STB12
–	12X1.00	–					267.24	3500-STB12
14X2.00	–	–	54.66	3520-14.00MIT	404.27	3520-14.00HIP		
–	14X1.50	–	54.66	3521-14.00MIT	606.42	3521-14.00HIP		
–	–	14X1.25	54.66	3523-14.00MIT	404.27	3523-14.00HIP		
16X2.00	–	–	66.82	3520-16.00MIT	505.34	3520-16.00HIP		
–	16X1.50	–	66.82	3521-16.00MIT	656.93	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	-	42.52	3532-2GMIT	303.21	3532-2GHIP	127.55	3500-STB1
3GX48	-			303.21	3532-3GHIP		
-	3GX56			222.34	3534-3GHIP		
4GX40	-	42.52	3532-4GMIT	202.14	3532-4GHIP	127.55	3500-STB3
-	4GX48	42.52	3534-4GMIT	222.34	3534-4GHIP	127.55	3500-STB3
5GX40	-	42.52	3532-5GMIT	202.14	3532-5GHIP	127.55	3500-STB3
6GX32	-	30.37	3532-6GMIT	202.14	3532-6GHIP	127.55	3500-STB4
-	6GX40	30.37	3534-6GMIT	222.34	3534-6GHIP	127.55	3500-STB4
8GX32	-	30.37	3532-8GMIT	202.14	3532-8GHIP	127.55	3500-STB5
-	8GX36	30.37	3534-8GMIT	222.34	3534-8GHIP	127.55	3500-STB5
10GX24	-	30.37	3532-10GMIT	202.14	3532-10GHIP	127.55	3500-STB6
-	10GX32	30.37	3534-10GMIT	222.34	3534-10GHIP	127.55	3500-STB6
12GX24	-	30.37	3532-12GMIT	202.14	3532-12GHIP	127.55	3500-STB7
-	12GX28			222.34	3534-12GHIP	127.55	3500-STB7
1/4X20	-	30.37	3532-1/4MIT	202.14	3532-1/4HIP	127.55	3500-STB8
-	1/4X28	30.37	3534-1/4MIT	222.34	3534-1/4HIP	127.55	3500-STB8
5/16X18	-	37.30	3532-5/16MIT	222.34	3532-5/16HIP	194.37	3500-STB9
-	5/16X24	37.30	3534-5/16MIT	222.34	3534-5/16HIP	194.37	3500-STB9
3/8X16	-	41.13	3532-3/8MIT	232.45	3532-3/8HIP	194.37	3500-STB10
-	3/8X24	41.13	3534-3/8MIT	222.34	3534-3/8HIP	194.37	3500-STB10
7/16X14	-	45.67	3532-7/16MIT	232.45	3532-7/16HIP	255.10	3500-STB11
-	7/16X20	45.67	3534-7/16MIT	252.67	3534-7/16HIP	255.10	3500-STB11
1/2X13	-	45.67	3532-1/2MIT	252.67	3532-1/2HIP	267.24	3500-STB12
-	1/2X20	45.67	3534-1/2MIT	252.67	3534-1/2HIP	267.24	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	-	452.34	3520-2.20MIP	157.85	3520-2.20MIPM	301.65	3520-2.20MIPN	1913.24	3500-MIP1
2.50X0.45	-	452.34	3520-2.50MIP	157.85	3520-2.50MIPM	301.65	3520-2.50MIPN	1913.24	3500-MIP1
3X0.50	-	434.93	3520-3.00MIP	157.85	3520-3.00MIPM	301.65	3520-3.00MIPN	1913.24	3500-MIP1
3.50X0.60	-	434.93	3520-3.50MIP	157.85	3520-3.50MIPM	301.65	3520-3.50MIPN	1913.24	3500-MIP1
4X0.70	-	434.93	3520-4.00MIP	157.85	3520-4.00MIPM	301.65	3520-4.00MIPN	1913.24	3500-MIP1
5X0.80	-	452.34	3520-5.00MIP	157.85	3520-5.00MIPM	301.65	3520-5.00MIPN	1913.24	3500-MIP1
6X1.00	-	434.93	3520-6.00MIP	157.85	3520-6.00MIPM	301.65	3520-6.00MIPN	1913.24	3500-MIP1
8X1.25	-	738.46	3520-8.00MIP	280.60	3520-8.00MIPM	466.52	3520-8.00MIPN	2232.13	3500-MIP2
-	8X1.00	747.12	3521-8.00MIP	280.60	3521-8.00MIPM	466.52	3521-8.00MIPN	2232.13	3500-MIP2
10X1.50	-	738.46	3520-10.00MIP	280.60	3520-10.00MIPM	466.52	3520-10.00MIPN	2232.13	3500-MIP2
-	10X1.25	747.12	3521-10.00MIP	280.60	3521-10.00MIPM	466.52	3521-10.00MIPN	2232.13	3500-MIP2
-	10X1.00	777.01	3523-10.00MIP	280.60	3523-10.00MIPM	466.52	3523-10.00MIPN	2232.13	3500-MIP2
12X1.75	-	738.46	3520-12.00MIP	280.60	3520-12.00MIPM	466.52	3520-12.00MIPN	2232.13	3500-MIP2
-	12X1.50	778.70	3521-12.00MIP	322.70	3521-12.00MIPM	466.52	3521-12.00MIPN	2232.13	3500-MIP2
-	12X1.25	778.70	3523-12.00MIP	322.70	3523-12.00MIPM	466.52	3523-12.00MIPN	2232.13	3500-MIP2

PNEUMATIC TOOLS AND FRONT END ASSEMBLIES

UNC	UNF	\$	PART #	\$	PART #	\$	PART #	\$	PART #
2GX56	-	434.93	3532-2GMIP	157.85	3532-2GMIPM	292.60	3532-2GMIPN	1913.24	3500-MIP1
4GX40	-	434.93	3532-4GMIP	157.85	3532-4GMIPM	292.60	3532-4GMIPN	1913.24	3500-MIP1
5GX40	-	434.93	3532-5GMIP	157.85	3532-5GMIPM	292.60	3532-5GMIPN	1913.24	3500-MIP1
6GX32	-	434.93	3532-6GMIP	157.85	3532-6GMIPM	292.60	3532-6GMIPN	1913.24	3500-MIP1
-	6GX40	503.82	3534-6GMIP	221.88	3534-6GMIPM	292.60	3534-6GMIPN	1913.24	3500-MIP1
8GX32	-	434.93	3532-8GMIP	157.85	3532-8GMIPM	292.60	3532-8GMIPN	1913.24	3500-MIP1
-	8GX36	503.82	3534-8GMIP	221.88	3534-8GMIPM	292.60	3534-8GMIPN	1913.24	3500-MIP1
10GX24	-	434.93	3532-10GMIP	157.85	3532-10GMIPM	292.60	3532-10GMIPN	1913.24	3500-MIP1
-	10GX32	434.93	3534-10GMIP	153.32	3534-10GMIPM	292.60	3534-10GMIPN	1913.24	3500-MIP1
12GX24	-	503.82	3532-12GMIP	280.60	3532-12GMIPM	301.65	3532-12GMIPN	1913.24	3500-MIP1
1/4X20	-	503.82	3532-1/4MIP	280.60	3532-1/4MIPM	301.65	3532-1/4MIPN	1913.24	3500-MIP1
-	1/4X28	452.34	3534-1/4MIP	167.39	3534-1/4MIPM	301.65	3534-1/4MIPN	1913.24	3500-MIP1
5/16X18	-	503.82	3532-5/16MIP	280.60	3532-5/16MIPM	301.65	3532-5/16MIPN	2232.13	3500-MIP2
-	5/16X24	503.82	3534-5/16MIP	280.60	3534-5/16MIPM	301.65	3534-5/16MIPN	2232.13	3500-MIP2
3/8X16	-	503.82	3532-3/8MIP	280.60	3532-3/8MIPM	301.65	3532-3/8MIPN	2232.13	3500-MIP2
-	3/8X24	503.82	3534-3/8MIP	280.60	3534-3/8MIPM	301.65	3534-3/8MIPN	2232.13	3500-MIP2
7/16X14	-	747.12	3532-7/16MIP	286.52	3532-7/16MIPM	466.52	3532-7/16MIPN	2232.13	3500-MIP2
-	7/16X20	747.12	3534-7/16MIP	286.52	3534-7/16MIPM	466.52	3534-7/16MIPN	2232.13	3500-MIP2
1/2X13	-	747.12	3532-1/2MIP	286.52	3532-1/2MIPM	466.52	3532-1/2MIPN	2232.13	3500-MIP2
-	1/2X20	747.12	3534-1/2MIP	286.52	3534-1/2MIPM	466.52	3534-1/2MIPN	2232.13	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.

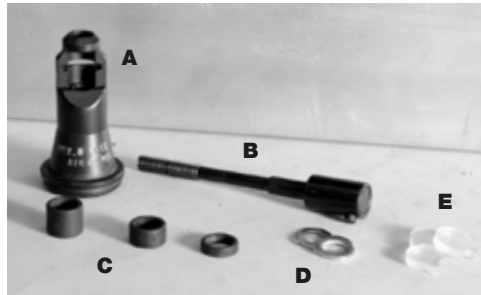
You will need

- 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.



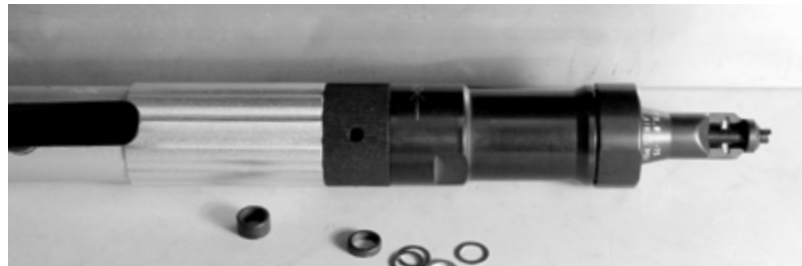
Front end assembly with longest spacer to suit 1.0D insert and shim washer.



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	87.24	3620-5.00TWK	5	6.90	M8 X 1.25	3600-5.00TT	8.25
M6 X 1	M10 X 1.25	10.00	116.24	3620-6.00TWK	5	8.80	M10 X 1.25	3600-6.00TT	10.25
M8 X 1.25	M12 X 1.25	12.00	142.99	3620-8.00TWK	5	10.80	M12 X 1.25	3600-8.00TT	12.25
M10 X 1.5	M14 X 1.5	14.00	182.68	3620-10.00TWK	5	12.80	M14 X 1.5	3600-10.00TT	14.25
M12 X 1.75	M16 X 1.5	16.00	210.78	3620-12.00TWK	5	14.75	M16 X 1.5	3600-12.00TT	16.25
METRIC FINE									
M8 X 1	M12 X 1.25	12.00	142.99	3621-8.00TWK	5	10.80	M12 X 1.25	3600-8.00TT	12.25
M10 X 1.25	M14 X 1.5	14.00	182.68	3621-10.00TWK	5	12.80	M14 X 1.5	3600-10.00TT	14.25
M12 X 1.25	M16 X 1.5	16.00	210.78	3621-12.00TWK	5	14.75	M16 X 1.5	3600-12.00TT	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	110.90	3620-5.00HDK	5	8.80	M10 X 1.25	3600-5.00HT	10.25
M6 X 1	M12 X 1.25	12.00	137.40	3620-6.00HDK	5	10.80	M12 X 1.25	3600-6.00HT	12.25
M8 X 1.25	M14 X 1.5	14.00	169.16	3620-8.00HDK	5	12.80	M14 X 1.5	3600-8.00HT	14.25
M10 X 1.5	M16 X 1.5	16.00	188.92	3620-10.00HDK	5	14.75	M16 X 1.5	3600-10.00HT	16.25
M12 X 1.75	M18 X 1.5	18.00	299.01	3620-12.00HDK	5	16.75	M18 X 1.5	3600-12.00HT	18.25
M16 X 2	M22 X 1.5	22.00	382.73	3620-16.00HDK	5	20.50	M22 X 1.5	3600-16.00HT	22.25
METRIC FINE									
M8 X 1	M14 X 1.5	14.00	169.16	3621-8.00HDK	5	12.80	M14 X 1.5	3600-8.00HT	14.25
M10 X 1.25	M16 X 1.5	16.00	188.92	3621-10.00HDK	5	14.75	M16 X 1.5	3600-10.00HT	16.25
M12 X 1.25	M18 X 1.5	18.00	210.78	3621-12.00HDK	5	16.75	M18 X 1.5	3600-12.00HT	18.25
M16 X 1.5	M22 X 1.5	22.00	411.11	3621-16.00HDK	5	20.50	M22 X 1.5	3600-16.00HT	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	UNC								
10G X 24	5/16 X 18	0.312	71.34	3632-10GTWK	5	"I"	5/16 X 18	3600-10GTT	0.323
1/4 X 20	3/8 X 16	0.375	80.97	3632-1/4TWK	5	"Q"	3/8 X 16	3600-1/4TT	0.385
5/16 X 18	7/16 X 14	0.437	98.32	3632-5/16TWK	5	"X"	7/16 X 14	3600-5/16TT	0.447
3/8 X 16	1/2 X 13	0.500	112.28	3632-3/8TWK	5	29/64	1/2 X 13	3600-3/8TT	0.510
7/16 X 14	9/16 X 12	0.562	155.31	3632-7/16TWK	5	33/64	9/16 X 12	3600-7/16TT	0.572
1/2 X 13	5/8 X 11	0.625	180.03	3632-1/2TWK	5	37/64	5/8 X 11	3600-1/2TT	0.635
UNJF	UNC								
10G X 32	5/16 X 18	0.312	71.34	3634-10GTWK	5	"I"	5/16 X 18	3600-10GTT	0.323
1/4 X 28	3/8 X 16	0.375	80.97	3634-1/4TWK	5	"Q"	3/8 X 16	3600-1/4TT	0.385
5/16 X 24	7/16 X 14	0.437	100.41	3634-5/16TWK	5	"X"	7/16 X 14	3600-5/16TT	0.447
3/8 X 24	1/2 X 13	0.500	112.28	3634-3/8TWK	5	29/64	1/2 X 13	3600-3/8TT	0.510
7/16 X 20	9/16 X 12	0.562	155.31	3634-7/16TWK	5	33/64	9/16 X 12	3600-7/16TT	0.572
1/2 X 20	5/8 X 11	0.625	180.03	3634-1/2TWK	5	37/64	5/8 X 11	3600-1/2TT	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	UNC								
10G X 24	3/8 X 16	0.312	78.73	3632-10GHDK	5	"Q"	3/8 X 16	3600-10GHT	0.385
1/4 X 20	7/16 X 14	0.375	93.85	3632-1/4HDK	5	"X"	7/16 X 14	3600-1/4HT	0.447
5/16 X 18	1/2 X 13	0.437	106.77	3632-5/16HDK	5	29/64	1/2 X 13	3600-5/16HT	0.510
3/8 X 16	9/16 X 12	0.500	145.19	3632-3/8HDK	5	33/64	9/16 X 12	3600-3/8HT	0.572
7/16 X 14	5/8 X 11	0.625	168.30	3632-7/16HDK	5	37/64	5/8 X 11	3600-7/16HT	0.635
1/2 X 13	3/4 X 16	0.625	242.72	3632-1/2HDK	5	45/64	3/4 X 16	3600-1/2HT-3/4	0.762
9/16 X 12	3/4 X 16	0.812	261.44	3632-9/16HDK	5	45/64	3/4 X 16	3600-9/16HT-3/4	0.762
5/8 X 11	7/8 X 14	0.875	328.84	3632-5/8HDK	5	53/64	7/8 X 14	3600-5/8HT	0.885
UNJF	UNC								
10G X 32	3/8 X 16	0.312	78.73	3634-10GHDK	5	"Q"	3/8 X 16	3600-10GHT	0.385
1/4 X 28	7/16 X 14	0.375	93.85	3634-1/4HDK	5	"X"	7/16 X 14	3600-1/4HT	0.447
5/16 X 24	1/2 X 13	0.437	106.77	3634-5/16HDK	5	29/64	1/2 X 13	3600-5/16HT	0.510
3/8 X 24	9/16 X 12	0.500	145.19	3634-3/8HDK	5	33/64	9/16 X 12	3600-3/8HT	0.572
7/16 X 20	5/8 X 11	0.625	168.30	3634-7/16HDK	5	37/64	5/8 X 11	3600-7/16HT	0.635
1/2 X 20	3/4 X 16	0.625	242.72	3634-1/2HDK	5	45/64	3/4 X 16	3600-1/2HT-3/4	0.762
9/16 X 18	3/4 X 16	0.812	261.44	3634-9/16HDK	5	45/64	3/4 X 16	3600-9/16HT-3/4	0.762
5/8 X 18	7/8 X 14	0.875	328.84	3634-5/8HDK	5	53/64	7/8 X 14	3600-5/8HT	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	133.76	3720-5.00TWK	5	6.90	M8 X 1.25	3600-5.00TT	8.25
M6 X 1	M10 X 1.25	10.00	161.23	3720-6.00TWK	5	8.80	M10 X 1.25	3600-6.00TT	10.25
M8 X 1.25	M12 X 1.25	12.00	186.12	3720-8.00TWK	5	10.80	M12 X 1.25	3600-8.00TT	12.25
M10 X 1.5	M14 X 1.5	14.00	217.21	3720-10.00TWK	5	12.80	M14 X 1.5	3600-10.00TT	14.25
M12 X 1.75	M16 X 1.5	16.00	238.10	3720-12.00TWK	5	14.75	M16 X 1.5	3600-12.00TT	16.25
METRIC FINE									
M8 X 1	M12 X 1.25	12.00	186.12	3721-8.00TWK	5	10.80	M12 X 1.25	3600-8.00TT	12.25
M10 X 1.25	M14 X 1.5	14.00	217.21	3721-10.00TWK	5	12.80	M14 X 1.5	3600-10.00TT	14.25
M12 X 1.25	M16 X 1.5	16.00	238.10	3721-12.00TWK	5	14.75	M16 X 1.5	3600-12.00TT	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	180.91	3720-5.00HDK	5	8.80	M10 X 1.25	3600-5.00HT	10.25
M6 X 1	M12 X 1.25	12.00	208.94	3720-6.00HDK	5	10.80	M12 X 1.25	3600-6.00HT	12.25
M8 X 1.25	M14 X 1.5	14.00	242.17	3720-8.00HDK	5	12.80	M14 X 1.5	3600-8.00HT	14.25
M10 X 1.5	M16 X 1.5	16.00	256.57	3720-10.00HDK	5	14.75	M16 X 1.5	3600-10.00HT	16.25
M12 X 1.75	M18 X 1.5	18.00	354.91	3720-12.00HDK	5	16.75	M18 X 1.5	3600-12.00HT	18.25
M16 X 2	M22 X 1.5	22.00	468.39	3720-16.00HDK	5	20.50	M22 X 1.5	3600-16.00HT	22.25
METRIC FINE									
M8 X 1	M14 X 1.5	14.00	242.17	3721-8.00HDK	5	12.80	M14 X 1.5	3600-8.00HT	14.25
M10 X 1.25	M16 X 1.5	16.00	256.57	3721-10.00HDK	5	14.75	M16 X 1.5	3600-10.00HT	16.25
M12 X 1.25	M18 X 1.5	18.00	266.67	3721-12.00HDK	5	16.75	M18 X 1.5	3600-12.00HT	18.25
M16 X 1.5	M22 X 1.5	22.00	496.76	3721-16.00HDK	5	20.50	M22 X 1.5	3600-16.00HT	22.25

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

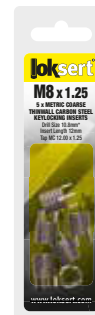

UN – THIN WALL STAINLESS STEEL INSERT KITS

INSERT					INCLUDED IN KIT				NOT INCL.
3B	2A	INCH	\$	PART #	#	INCH	2B	PART #	INCH
UNJC	UNC								
10G X 24	5/16 X 18	0.312	87.99	3732-10GTWK	5	"I"	5/16 X 18	3600-10GTT	0.323
1/4 X 20	3/8 X 16	0.375	98.30	3732-1/4TWK	5	"Q"	3/8 X 16	3600-1/4TT	0.385
5/16 X 18	7/16 X 14	0.437	140.72	3732-5/16TWK	5	"X"	7/16 X 14	3600-5/16TT	0.447
3/8 X 16	1/2 X 13	0.500	168.30	3732-3/8TWK	5	29/64	1/2 X 13	3600-3/8TT	0.510
7/16 X 14	9/16 X 12	0.562	244.28	3732-7/16TWK	5	33/64	9/16 X 12	3600-7/16TT	0.572
1/2 X 13	5/8 X 11	0.625	270.63	3732-1/2TWK	5	37/64	5/8 X 11	3600-1/2TT	0.635
UNJF	UNC								
10G X 32	5/16 X 18	0.312	87.99	3734-10GTWK	5	"I"	5/16 X 18	3600-10GTT	0.323
1/4 X 28	3/8 X 16	0.375	98.30	3734-1/4TWK	5	"Q"	3/8 X 16	3600-1/4TT	0.385
5/16 X 24	7/16 X 14	0.437	142.82	3734-5/16TWK	5	"X"	7/16 X 14	3600-5/16TT	0.447
3/8 X 24	1/2 X 13	0.500	168.30	3734-3/8TWK	5	29/64	1/2 X 13	3600-3/8TT	0.510
7/16 X 20	9/16 X 12	0.562	244.28	3734-7/16TWK	5	33/64	9/16 X 12	3600-7/16TT	0.572
1/2 X 20	5/8 X 11	0.625	270.63	3734-1/2TWK	5	37/64	5/8 X 11	3600-1/2TT	0.635

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


UN – HEAVY DUTY STAINLESS STEEL INSERT KITS

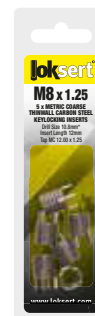
INSERT					INCLUDED IN KIT				NOT INCL.
3B	2A	INCH	\$	PART #	#	INCH	2B	PART #	INCH
UNJC	UNC								
10G X 24	3/8 X 16	0.312	97.46	3732-10GHDK	5	"Q"	3/8 X 16	3600-10GHT	0.385
1/4 X 20	7/16 X 14	0.375	115.00	3732-1/4HDK	5	"X"	7/16 X 14	3600-1/4HT	0.447
5/16 X 18	1/2 X 13	0.437	148.84	3732-5/16HDK	5	29/64	1/2 X 13	3600-5/16HT	0.510
3/8 X 16	9/16 X 12	0.500	195.91	3732-3/8HDK	5	33/64	9/16 X 12	3600-3/8HT	0.572
7/16 X 14	5/8 X 11	0.625	249.57	3732-7/16HDK	5	37/64	5/8 X 11	3600-7/16HT	0.635
1/2 X 13	11/16 X 11NS	0.688	413.00	3733-1/2HDK	5	41/64	11/16 X 11NS	3600-1/2HT	0.700
1/2 X 13	3/4 X 16	0.625	344.17	3732-1/2HDK	5	45/64	3/4 X 16	3600-1/2HT-3/4	0.762
9/16 X 12	3/4 X 16	0.812	353.50	3732-9/16HDK	5	45/64	3/4 X 16	3600-9/16HT-3/4	0.762
9/16 X 12	13/16 X 16	0.812	424.20	3733-9/16HDK	5	49/64	13/16 X 16	3600-9/16HT	0.822
5/8 X 11	7/8 X 14	0.875	449.69	3732-5/8HDK	5	53/64	7/8 X 14	3600-5/8HT	0.885
UNJF	UNC								
10G X 32	3/8 X 16	0.312	97.46	3734-10GHDK	5	"Q"	3/8 X 16	3600-10GHT	0.385
1/4 X 28	7/16 X 14	0.375	115.00	3734-1/4HDK	5	"X"	7/16 X 14	3600-1/4HT	0.447
5/16 X 24	1/2 X 13	0.437	148.84	3734-5/16HDK	5	29/64	1/2 X 13	3600-5/16HT	0.510
3/8 X 24	9/16 X 12	0.500	195.91	3734-3/8HDK	5	33/64	9/16 X 12	3600-3/8HT	0.572
7/16 X 20	5/8 X 11	0.625	249.57	3734-7/16HDK	5	37/64	5/8 X 11	3600-7/16HT	0.635
1/2 X 20	11/16 X 11NS	0.688	413.00	3735-1/2HDK	5	41/64	11/16 X 11NS	3600-1/2HT	0.700
1/2 X 20	3/4 X 16	0.625	344.17	3734-1/2HDK	5	45/64	3/4 X 16	3600-1/2HT-3/4	0.762
9/16 X 18	3/4 X 16	0.812	353.50	3734-9/16HDK	5	45/64	3/4 X 16	3600-9/16HT-3/4	0.762
9/16 X 18	13/16 X 16	0.812	424.20	3735-9/16HDK	5	49/64	13/16 X 16	3600-9/16HT	0.822
5/8 X 18	7/8 X 14	0.875	449.69	3734-5/8HDK	5	53/64	7/8 X 14	3600-5/8HT	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	40.69	3620-5.00TWP	63.00	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	45.16	3620-6.00TWP	65.10	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	49.72	3620-8.00TWP	67.10	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	61.15	3620-10.00TWP	69.10	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	78.90	3620-12.00TWP	76.75	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	49.72	3621-8.00TWP	67.10	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	61.15	3621-10.00TWP	69.10	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	78.90	3621-12.00TWP	76.75	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 UNJC												
10G X 24	5/16 X 18	0.312	5	26.08	3632-10GTWP	34.20	3732-10GTWP	"I"	5/16 X 18	0.37	0.323	3600-190T
1/4 X 20	3/8 X 16	0.375	5	27.48	3632-1/4TWP	35.85	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	30.95	3632-5/16TWP	58.65	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	34.05	3632-3/8TWP	72.00	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	44.16	3632-7/16TWP	95.85	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	51.10	3632-1/2TWP	102.05	3732-1/2TWP	37/64	5/8 X 11	0.68	0.635	3600-500T
UNJF UNJC												
10G X 32	5/16 X 18	0.312	5	26.08	3634-10GTWP	34.20	3734-10GTWP	"I"	5/16 X 18	0.37	0.323	3600-190T
1/4 X 28	3/8 X 16	0.375	5	27.48	3634-1/4TWP	35.85	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	30.95	3634-5/16TWP	58.65	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	34.05	3634-3/8TWP	72.00	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	44.16	3634-7/16TWP	95.85	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	51.10	3634-1/2TWP	102.05	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	1161.75	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	UNF1/4 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				MOQ AND QUANTITY PRICE BREAKS							
INSERT				\$	\$	\$	\$	\$	\$	\$	\$
				EACH	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				8.140	6.510	5.860	5.560	
M6 X 1	M10 X 1.25	10.00	3620-6.00TW				9.030	7.230	6.500	6.180	
M8 X 1.25	M12 X 1.25	12.00	3620-8.00TW				9.940	7.960	7.160	6.800	
M10 X 1.5	M14 X 1.5	14.00	3620-10.00TW				12.230	9.780	8.800	8.370	
M12 X 1.75	M16 X 1.5	16.00	3620-12.00TW				15.780	12.620	11.360	10.790	
METRIC FINE											
M8 X 1	M12 X 1.25	12.00	3621-8.00TW				9.940	7.960	7.160	6.800	
M10 X 1.25	M14 X 1.5	14.00	3621-10.00TW				12.230	9.780	8.800	8.370	
M12 X 1.25	M16 X 1.5	16.00	3621-12.00TW				15.780	12.620	11.360	10.790	

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



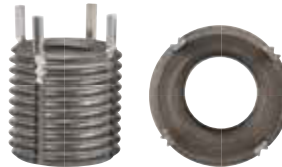
METRIC – HEAVY DUTY CARBON STEEL BULK INSERTS				MOQ AND QUANTITY PRICE BREAKS							
INSERT				\$	\$	\$	\$	\$	\$	\$	\$
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
6H	6g	MM	PART #	1	2	3	4	6	100	500	
METRIC COARSE											
M4 X 0.7	M8 X 1.25	8.00	3620-4.00HD				16.120	12.900	11.610	11.030	
M5 X 0.8	M10 X 1.25	10.00	3620-5.00HD				8.140	6.510	5.860	5.560	
M6 X 1	M12 X 1.25	12.00	3620-6.00HD				9.030	7.230	6.500	6.180	
M8 X 1.25	M14 X 1.5	14.00	3620-8.00HD				9.940	7.960	7.160	6.800	
M10 X 1.5	M16 X 1.5	16.00	3620-10.00HD				12.230	9.780	8.800	8.370	
M12 X 1.75	M18 X 1.5	18.00	3620-12.00HD				15.780	12.620	11.360	10.790	
M14 X 2	M20 X 1.5	20.00	3620-14.00HD			19.040	19.040	15.230	13.710	13.020	
M16 X 2	M22 X 1.5	22.00	3620-16.00HD			22.590	18.070	16.260	15.450	15.450	
M20 X 2.5	M30 X 2	30.00	3620-20.00HD		39.470	39.470	31.570	31.570	31.570	31.570	
M24 X 3	M33 X 2	33.00	3620-24.00HD	63.930	63.930	63.930	51.140	51.140	51.140	51.140	
METRIC FINE											
M8 X 1	M14 X 1.5	14.00	3621-8.00HD				9.940	7.960	7.160	6.800	
M10 X 1.25	M16 X 1.5	16.00	3621-10.00HD				12.230	9.780	8.800	8.370	
M12 X 1.25	M18 X 1.5	18.00	3621-12.00HD				15.780	12.620	11.360	10.790	
M14 X 1.5	M20 X 1.5	20.00	3621-14.00HD			19.040	19.040	15.230	13.710	13.020	
M16 X 1.5	M22 X 1.5	22.00	3621-16.00HD			22.590	18.070	16.260	15.450	15.450	
M18 X 1.5	M24 X 1.5	24.00	3621-18.00HD		33.710	33.710	33.710	26.970	24.270	23.060	
M20 X 1.5	M30 X 2	30.00	3621-20.00HD		39.470	39.470	31.570	31.570	31.570	31.570	
M22 X 1.5	M32 X 2	32.00	3621-22.00HD	47.670	47.670	47.670	38.130	38.130	38.130	38.130	
M24 X 2	M33 X 2	33.00	3621-24.00HD	63.930	63.930	63.930	51.140	51.140	51.140	51.140	

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	UNC									
10G X 24	5/16 X 18	0.312	3632-10GTW				5.220	4.170	3.760	3.570
1/4 X 20	3/8 X 16	0.375	3632-1/4TW				5.500	4.390	3.960	3.760
5/16 X 18	7/16 X 14	0.437	3632-5/16TW				6.190	4.950	4.460	4.230
3/8 X 16	1/2 X 13	0.500	3632-3/8TW				6.810	5.450	4.900	4.660
7/16 X 14	9/16 X 12	0.562	3632-7/16TW				8.830	7.060	6.360	6.040
1/2 X 13	5/8 X 11	0.625	3632-1/2TW				10.220	8.180	7.360	6.990
UNJF	UNC									
10G X 32	5/16 X 18	0.312	3634-10GTW				5.220	4.170	3.760	3.570
1/4 X 28	3/8 X 16	0.375	3634-1/4TW				5.500	4.390	3.960	3.760
5/16 X 24	7/16 X 14	0.437	3634-5/16TW				6.190	4.950	4.460	4.230
3/8 X 24	1/2 X 13	0.500	3634-3/8TW				6.810	5.450	4.900	4.660
7/16 X 20	9/16 X 12	0.562	3634-7/16TW				8.830	7.060	6.360	6.040
1/2 X 20	5/8 X 11	0.625	3634-1/2TW				10.220	8.180	7.360	6.990

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


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	UNC									
8G X 32	5/16 X 18	0.312	3632-8GHD				8.690	6.950	6.260	5.940
10G X 24	3/8 X 16	0.312	3632-10GHD				5.220	4.170	3.760	3.570
1/4 X 20	7/16 X 14	0.375	3632-1/4HD				5.500	4.390	3.960	3.760
5/16 X 18	1/2 X 13	0.437	3632-5/16HD				6.110	4.890	4.400	4.180
3/8 X 16	9/16 X 12	0.500	3632-3/8HD				6.810	5.450	4.900	4.660
7/16 X 14	5/8 X 11	0.625	3632-7/16HD				8.690	6.950	6.260	5.940
1/2 X 13	3/4 X 16	0.625	3632-1/2HD				10.220	8.180	7.360	6.990
9/16 X 12	3/4 X 16	0.812	3632-9/16HD			13.970	13.970	11.180	10.060	9.560
5/8 X 11	7/8 X 14	0.875	3632-5/8HD			16.470	16.470	13.180	11.860	11.270
3/4 X 10	1-1/8 X 12	1.125	3632-3/4HD		23.490	23.490	23.490	18.790	16.910	16.060
7/8 X 9	1-1/4 X 12	1.250	3632-7/8HD		30.710	30.710	30.710	24.570	22.110	21.010
1 X 8	1-3/8 X 12	1.375	3632-1HD	62.260	62.260	62.260	62.260	49.810	44.830	42.580
1-1/8 X 7	1-1/2 X 12	1.620	3632-1.1/8HD	150.090	150.090	150.090	150.090	120.070	120.070	120.070
1-1/4 X 7	1-5/8 X 12	1.810	3632-1.1/4HD	184.350	184.350	184.350	184.350	147.480	147.480	147.480
1-1/2 X 6	1-7/8 X 12	2.000	3632-1.1/2HD	354.930	354.930	354.930	354.930	354.930	354.930	354.930
UNJF	UNC									
10G X 32	3/8 X 16	0.312	3634-10GHD				5.220	4.170	3.760	3.570
1/4 X 28	7/16 X 14	0.375	3634-1/4HD				5.500	4.390	3.960	3.760
5/16 X 24	1/2 X 13	0.437	3634-5/16HD				6.110	4.890	4.400	4.180
3/8 X 24	9/16 X 12	0.500	3634-3/8HD				6.810	5.450	4.900	4.660
7/16 X 20	5/8 X 11	0.625	3634-7/16HD				8.690	6.950	6.260	5.940
1/2 X 20	3/4 X 16	0.625	3634-1/2HD				10.220	8.180	7.360	6.990
9/16 X 18	3/4 X 16	0.812	3634-9/16HD			13.970	13.970	11.180	10.060	9.560
5/8 X 18	7/8 X 14	0.875	3634-5/8HD			16.470	16.470	13.180	11.860	11.270
3/4 X 16	1-1/8 X 12	1.125	3634-3/4HD		23.490	23.490	23.490	18.790	16.910	16.060
7/8 X 14	1-1/4 X 12	1.250	3634-7/8HD		30.710	30.710	30.710	24.570	22.110	21.010
1 X 12	1-3/8 X 12	1.375	3634-1HD	62.260	62.260	62.260	62.260	49.810	44.830	42.580
1 X 14	1-3/8 X 12	1.375	3635-1HD	62.260	62.260	62.260	62.260	49.810	44.830	42.580
1-1/8 X 12	1-1/2 X 12	1.620	3634-1.1/8HD	150.090	150.090	150.090	150.090	120.070	120.070	120.070
1-1/4 X 12	1-5/8 X 12	1.810	3634-1.1/4HD	184.350	184.350	184.350	184.350	147.480	147.480	147.480
1-1/2 X 12	1-7/8 X 12	2.000	3634-1.1/2HD	354.930	354.930	354.930	354.930	354.930	354.930	354.930



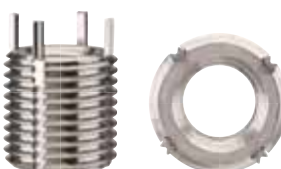
GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL



METRIC – THIN WALL STAINLESS STEEL BULK INSERTS

INSERT				MOQ AND QUANTITY PRICE BREAKS						
				\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
6H	6g	MM	PART #	1	2	3	4	6	100	500
METRIC COARSE										
M5 X 0.8	M8 X 1.25	8.00	3720-5.00TW		17.430	17.430	14.820	12.600	11.340	11.340
M6 X 1	M10 X 1.25	10.00	3720-6.00TW		18.030	18.030	15.320	13.020	11.720	11.720
M8 X 1.25	M12 X 1.25	12.00	3720-8.00TW		18.570	18.570	15.790	13.420	12.080	12.080
M10 X 1.5	M14 X 1.5	14.00	3720-10.00TW		19.130	19.130	16.260	13.820	12.440	12.440
M12 X 1.75	M16 X 1.5	16.00	3720-12.00TW		21.250	21.250	18.060	15.350	13.820	13.820
METRIC FINE										
M8 X 1	M12 X 1.25	12.00	3721-8.00TW		18.570	18.570	15.790	13.420	12.080	12.080
M10 X 1.25	M14 X 1.5	14.00	3721-10.00TW		19.130	19.130	16.260	13.820	12.440	12.440
M12 X 1.25	M16 X 1.5	16.00	3721-12.00TW		21.250	21.250	18.060	15.350	13.820	13.820

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 #	1	2	3	4	6	100	500
METRIC COARSE										
M4 X 0.7	M8 X 1.25	8.00	3720-4.00HD		21.650	21.650	21.650	18.410	15.640	14.080
M5 X 0.8	M10 X 1.25	10.00	3720-5.00HD		22.130	22.130	22.130	18.810	15.990	14.390
M6 X 1	M12 X 1.25	12.00	3720-6.00HD		23.330	23.330	23.330	19.830	16.860	15.170
M8 X 1.25	M14 X 1.5	14.00	3720-8.00HD		24.550	24.550	24.550	20.860	17.730	15.960
M10 X 1.5	M16 X 1.5	16.00	3720-10.00HD		25.760	25.760	25.760	21.900	18.610	16.750
M12 X 1.75	M18 X 1.5	18.00	3720-12.00HD		26.960	26.960	26.960	22.920	19.480	17.530
M14 X 2	M20 X 1.5	20.00	3720-14.00HD	30.650	30.650	30.650	30.650	26.050	22.140	19.930
M16 X 2	M22 X 1.5	22.00	3720-16.00HD	39.720	39.720	39.720	39.720	33.760	28.700	25.830
M20 X 2.5	M30 X 2	30.00	3720-20.00HD	76.610	76.610	76.610	76.610	65.120	55.350	49.810
M24 X 3	M33 X 2	33.00	3720-24.00HD	82.280	82.280	82.280	82.280	69.940	59.450	53.500
METRIC FINE										
M8 X 1	M14 X 1.5	14.00	3721-8.00HD		24.550	24.550	24.550	20.860	17.730	15.960
M10 X 1.25	M16 X 1.5	16.00	3721-10.00HD		25.760	25.760	25.760	21.900	18.610	16.750
M12 X 1.25	M18 X 1.5	18.00	3721-12.00HD		26.960	26.960	26.960	22.920	19.480	17.530
M14 X 1.5	M20 X 1.5	20.00	3721-14.00HD	30.650	30.650	30.650	30.650	26.050	22.140	19.930
M16 X 1.5	M22 X 1.5	22.00	3721-16.00HD	39.720	39.720	39.720	39.720	33.760	28.700	25.830
M18 X 1.5	M24 X 1.5	24.00	3721-18.00HD	76.610	76.610	76.610	76.610	65.120	55.350	49.810
M20 X 1.5	M30 X 2	30.00	3721-20.00HD	76.610	76.610	76.610	76.610	65.120	55.350	49.810
M22 X 1.5	M32 X 2	32.00	3721-22.00HD	82.280	82.280	82.280	82.280	69.940	59.450	53.500
M24 X 2	M33 X 2	33.00	3721-24.00HD	121.960	121.960	121.960	121.960	103.670	88.120	79.310

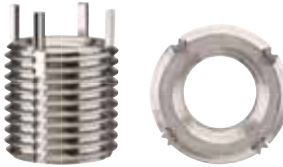


GROUP	PSCI
INSERT TYPE	SOLID KEYLOCKING
INSERT MATERIAL	STAINLESS STEEL AISI303
STYLE	THIN WALL

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	UNC										
10G X 24	5/16 X 18	0.312	3732-10GTW	MS51830-105				8.550	6.840	6.160	5.850
1/4 X 20	3/8 X 16	0.375	3732-1/4TW	MS51830-106				8.970	7.170	6.460	6.140
5/16 X 18	7/16 X 14	0.437	3732-5/16TW	MS51830-107			14.670	14.670	11.730	10.560	10.030
3/8 X 16	1/2 X 13	0.500	3732-3/8TW	MS51830-108			18.000	18.000	14.400	12.960	12.310
7/16 X 14	9/16 X 12	0.562	3732-7/16TW	MS51830-109		26.620	26.620	21.290	19.170	18.210	18.210
1/2 X 13	5/8 X 11	0.625	3732-1/2TW	MS51830-110		28.350	28.350	22.680	20.410	19.390	19.390
UNJF	UNC										
10G X 32	5/16 X 18	0.312	3734-10GTW	MS51830-201				8.550	6.840	6.160	5.850
1/4 X 28	3/8 X 16	0.375	3734-1/4TW	MS51830-202				8.970	7.170	6.460	6.140
5/16 X 24	7/16 X 14	0.437	3734-5/16TW	MS51830-203			14.670	14.670	11.730	10.560	10.030
3/8 X 24	1/2 X 13	0.500	3734-3/8TW	MS51830-204			18.000	18.000	14.400	12.960	12.310
7/16 X 20	9/16 X 12	0.562	3734-7/16TW	MS51830-205		26.620	26.620	21.290	19.170	18.210	18.210
1/2 X 20	5/8 X 11	0.625	3734-1/2TW	MS51830-206		28.350	28.350	22.680	20.410	19.390	19.390

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


UN – HEAVY DUTY STAINLESS STEEL BULK INSERTS

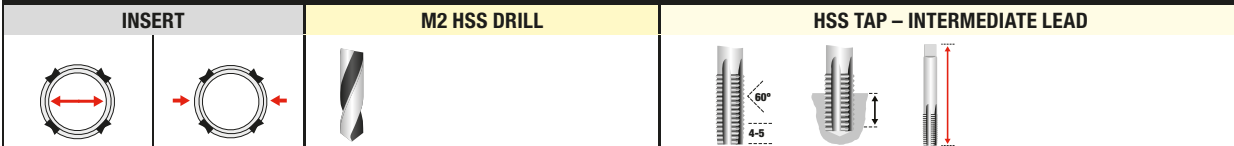
INSERT					MOQ AND QUANTITY PRICE BREAKS						
					\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH	\$ EACH
3B	2A	INCH	PART #	MS #	1	2	3	4	6	100	500
UNJC	UNC										
8G X 32	5/16 X 18	0.312	3732-8GHD	–				8.140	6.510	5.860	5.560
10G X 24	3/8 X 16	0.312	3732-10GHD	MS51831-101				8.970	7.170	6.460	6.140
1/4 X 20	7/16 X 14	0.375	3732-1/4HD	MS51831-102				9.730	7.780	7.000	6.650
5/16 X 18	1/2 X 13	0.437	3732-5/16HD	MS51831-103				14.530	11.620	10.460	9.940
3/8 X 16	9/16 X 12	0.500	3732-3/8HD	MS51831-104				16.950	13.560	12.210	11.600
7/16 X 14	5/8 X 11	0.625	3732-7/16HD	MS51831-105				24.950	19.960	17.970	17.070
1/2 X 13	11/16 X 11NS	0.688	3733-1/2HD	MS51831-106				36.610	29.290	26.360	25.040
1/2 X 13	3/4 X 16	0.625	3732-1/2HD	–				30.510	24.410	21.970	20.870
9/16 X 12	3/4 X 16	0.812	3732-9/16HD	–			32.380	32.380	25.900	23.310	22.150
9/16 X 12	13/16 X 16	0.812	3733-9/16HD	MS51831-107				38.860	38.860	31.080	27.970
5/8 X 11	7/8 X 14	0.875	3732-5/8HD	MS51831-108				40.650	40.650	32.520	29.270
3/4 X 10	1-1/8 X 12	1.125	3732-3/4HD	MS51831-109		47.740	47.740	47.740	38.190	34.370	32.660
7/8 X 9	1-1/4 X 12	1.250	3732-7/8HD	MS51831-110		89.910	89.910	89.910	71.930	71.930	71.930
1 X 8	1-3/8 X 12	1.375	3732-1HD	MS51831-111	113.950	113.950	113.950	113.950	113.950	113.950	113.950
UNJF	UNC										
10G X 32	3/8 X 16	0.312	3734-10GHD	MS51831-201				8.970	8.970	7.170	6.460
1/4 X 28	7/16 X 14	0.375	3734-1/4HD	MS51831-202				8.970	8.970	7.170	6.460
5/16 X 24	1/2 X 13	0.437	3734-5/16HD	MS51831-203			14.530	14.530	11.620	10.460	9.940
3/8 X 24	9/16 X 12	0.500	3734-3/8HD	MS51831-204			16.950	16.950	13.560	12.210	11.600
7/16 X 20	5/8 X 11	0.625	3734-7/16HD	MS51831-205			24.950	24.950	19.960	17.970	17.070
1/2 X 20	11/16 X 11NS	0.688	3735-1/2HD	MS51831-206			36.610	36.610	29.290	26.360	25.040
1/2 X 20	3/4 X 16	0.625	3734-1/2HD	–			30.510	30.510	24.410	21.970	20.870
9/16 X 18	3/4 X 16	0.812	3734-9/16HD	–			32.380	32.380	25.900	23.310	22.150
9/16 X 18	13/16 X 16	0.812	3735-9/16HD	MS51831-207				38.860	38.860	31.080	27.970
5/8 X 18	7/8 X 14	0.875	3734-5/8HD	MS51831-208				40.650	40.650	32.520	29.270
3/4 X 16	1-1/8 X 12	1.125	3734-3/4HD	MS51831-209				47.740	47.740	38.190	34.370
7/8 X 14	1-1/4 X 12	1.250	3734-7/8HD	MS51831-210		89.910	89.910	89.910	71.930	71.930	71.930
1 X 12	1-3/8 X 12	1.375	3734-1HD	MS51831-211	113.950	113.950	113.950	113.950	113.950	113.950	113.950



GROUP PSTD PSTD



METRIC – THIN WALL INSERTS



INSERT		M2 HSS DRILL			HSS TAP – INTERMEDIATE LEAD				
MM	\$	PART #	6H	MM	MM	\$	PART #		

METRIC COARSE

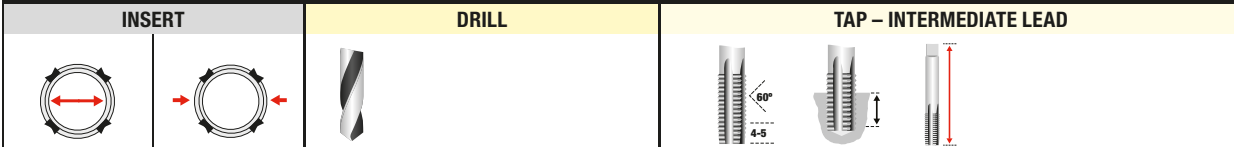
M5 X 0.8	M8 X 1.25	6.90	8.51	3620-6.9	M8 X 1.25	9.50	72.00	12.00	3620-8.00I
M6 X 1	M10 X 1.25	8.80	13.67	3620-8.8	M10 X 1.25	11.50	76.00	30.52	3621-10.00I
M8 X 1.25	M12 X 1.25	10.80	30.29	3620-10.8	M12 X 1.25	13.50	84.00	35.06	3622-12.00I
M10 X 1.5	M14 X 1.5	12.80	44.04	3620-12.8	M14 X 1.5	15.50	95.00	47.49	3621-14.00I
M12 X 1.75	M16 X 1.5	14.75	46.04	3620-14.75*	M16 X 1.5	17.50	102.00	51.74	3621-16.00I

METRIC FINE

M8 X 1	M12 X 1.25	10.80	30.29	3620-10.8	M12 X 1.25	13.50	84.00	35.06	3622-12.00I
M10 X 1.25	M14 X 1.5	12.80	44.04	3620-12.8	M14 X 1.5	15.50	95.00	47.49	3621-14.00I
M12 X 1.25	M16 X 1.5	14.75	46.04	3620-14.75*	M16 X 1.5	17.50	102.00	51.74	3621-16.00I



METRIC – HEAVY DUTY INSERTS



INSERT		DRILL			TAP – INTERMEDIATE LEAD				
MM	\$	PART #	6H	MM	MM	\$	PART #		

METRIC COARSE

M4 X 0.7	M8 X 1.25	6.90	8.51	3620-6.9	M8 X 1.25	9.50	72.00	12.00	3620-8.00I
M5 X 0.8	M10 X 1.25	8.80	13.67	3620-8.8	M10 X 1.25	12.50	76.00	30.52	3621-10.00I
M6 X 1	M12 X 1.25	10.80	30.29	3620-10.8	M12 X 1.25	14.50	84.00	35.06	3622-12.00I
M8 X 1.25	M14 X 1.5	12.80	44.04	3620-12.8	M14 X 1.5	16.50	95.00	47.49	3621-14.00I
M10 X 1.5	M16 X 1.5	14.75	46.04	3620-14.75*	M16 X 1.5	18.50	102.00	51.74	3621-16.00I
M12 X 1.75	M18 X 1.5	16.75	71.55	3620-16.75*	M18 X 1.5	20.50	104.00	114.46	3622-18.00I
M14 X 2	M20 X 1.5	18.75	73.21	3620-18.75*	M20 X 1.5	22.50	104.00	143.14	3623-20.00I
M16 X 2	M22 X 1.5	20.50	90.18	3620-20.50*	M22 X 1.5	24.50	113.00	171.50	3621-22.00I
M20 X 2.5	M30 X 2	28.00	162.09	3620-28.00*	M30 X 2	34.50	137.00	218.95	3621-30.00I
M24 X 3	M33 X 2	31.00	179.53	3620-31.00*	M33 X 2	37.50	137.00	321.09	3621-33.00I

METRIC FINE

M8 X 1	M14 X 1.5	12.80	44.04	3620-12.8	M14 X 1.5	16.50	84.00	47.49	3621-14.00I
M10 X 1.25	M16 X 1.5	14.75	46.04	3620-14.75*	M16 X 1.5	18.50	95.00	51.74	3621-16.00I
M12 X 1.25	M18 X 1.5	16.75	71.55	3620-16.75*	M18 X 1.5	20.50	102.00	114.46	3622-18.00I
M14 X 1.5	M20 X 1.5	18.75	73.21	3620-18.75*	M20 X 1.5	22.50	104.00	143.14	3623-20.00I
M16 X 1.5	M22 X 1.5	20.50	90.18	3620-20.50*	M22 X 1.5	24.50	113.00	171.50	3621-22.00I
M18 X 1.5	M24 X 1.5	22.50	99.35	3620-22.50*	M24 X 1.5	26.50	120.00	178.31	3624-24.00I
M20 X 1.5	M30 X 2	28.00	162.09	3620-28.00*	M30 X 2	34.50	127.00	218.95	3621-30.00I
M22 X 1.5	M32 X 2	30.00	169.92	3620-30.00*	M32 X 2	36.50	137.00	321.09	3622-32.00I
M24 X 2	M33 X 2	31.00	179.53	3620-31.00*	M33 X 2	37.50	137.00	321.09	3621-33.00I

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





GROUP	PSTD	PSTD	
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UN – THIN WALL INSERTS		DRILL			TAP – INTERMEDIATE LEAD				
INSERT									
		INCH	\$	PART #	2B	INCH	MM	\$	PART #
UNJC		UNC							
10G X 24	5/16 X 18	"1"	7.18	3632-I	5/16 X 18	0.37	72.00	12.00	3632-5/16I
1/4 X 20	3/8 X 16	"Q"	10.15	3632-Q	3/8 X 16	0.43	80.00	16.42	3632-3/8I
5/16 X 18	7/16 X 14	"X"	17.34	3632-X	7/16 X 14	0.50	85.00	22.11	3632-7/16I
3/8 X 16	1/2 X 13	29/64	23.92	3632-29/64	1/2 X 13	0.56	89.00	24.32	3632-1/2I
7/16 X 14	9/16 X 12	33/64	46.04	3632-33/64*	9/16 X 12	0.62	95.00	35.12	3632-9/16I
1/2 X 13	5/8 X 11	37/64	57.80	3632-37/64*	5/8 X 11	0.68	102.00	37.03	3632-5/8I
UNJF		UNC							
10G X 32	5/16 X 18	"1"	7.18	3632-I	5/16 X 18	0.37	72.00	12.00	3632-5/16I
1/4 X 28	3/8 X 16	"Q"	10.15	3632-Q	3/8 X 16	0.43	80.00	16.42	3632-3/8I
5/16 X 24	7/16 X 14	"X"	17.34	3632-X	7/16 X 14	0.50	85.00	22.11	3632-7/16I
3/8 X 24	1/2 X 13	29/64	23.92	3632-29/64	1/2 X 13	0.56	89.00	24.32	3632-1/2I
7/16 X 20	9/16 X 12	33/64	46.04	3632-33/64*	9/16 X 12	0.62	95.00	35.12	3632-9/16I
1/2 X 20	5/8 X 11	37/64	57.80	3632-37/64*	5/8 X 11	0.68	102.00	37.03	3632-5/8I



UN – HEAVY DUTY INSERTS		DRILL			TAP – INTERMEDIATE LEAD				
INSERT									
		INCH	\$	PART #	2B	INCH	MM	\$	PART #
UNJC		UNC							
8G X 32	5/16 X 18	"1"	7.18	3632-I	5/16 X 18	0.37	72.00	12.00	3632-5/16I
10G X 24	3/8 X 16	"Q"	10.15	3632-Q	3/8 X 16	0.37	80.00	16.42	3632-3/8I
1/4 X 20	7/16 X 14	"X"	17.34	3632-X	7/16 X 14	0.43	85.00	22.11	3632-7/16I
5/16 X 18	1/2 X 13	29/64	23.92	3632-29/64	1/2 X 13	0.50	89.00	24.32	3632-1/2I
3/8 X 16	9/16 X 12	33/64	46.04	3632-33/64*	9/16 X 12	0.56	95.00	35.12	3632-9/16I
7/16 X 14	5/8 X 11	37/64	57.80	3632-37/64*	5/8 X 11	0.68	102.00	37.03	3632-5/8I
1/2 X 13	11/16 X 11NS	41/64	72.61	3632-41/64*	11/16 X 11NS	0.75	112.00	175.88	3632-11/16I
1/2 X 13	3/4 X 16	45/64	74.93	3632-45/64*	3/4 X 16	0.68	104.00	82.56	3632-3/4I
9/16 X 12	3/4 X 16	45/64	74.93	3632-45/64*	3/4 X 16	0.94	104.00	82.56	3632-3/4I
9/16 X 12	13/16 X 16	49/64	84.31	3632-49/64*	13/16 X 16	0.94	118.00	210.25	3632-13/16I
5/8 X 11	7/8 X 14	53/64	94.94	3632-53/64*	7/8 X 14	1.00	113.00	115.03	3632-7/8I
3/4 X 10	1-1/8 X 12	1-1/16	151.64	3632-1.1/16*	1-1/8 X 12	1.31	127.00	244.70	3632-1.1/8I
7/8 X 9	1-1/4 X 12	1-3/16	169.92	3632-1.3/16*	1-1/4 X 12	1.44	137.00	273.38	3632-1.1/4I
1 X 8	1-3/8 X 12	1-5/16	322.36	3632-1.5/16**	1-3/8 X 12	1.56	144.00	363.00	3632-1.3/8I
1-1/8 X 7	1-1/2 X 12	1-7/16	420.05	3632-1.7/16**	1-1/2 X 12	1.84	149.00	406.89	3632-1.1/2I
1-1/4 X 7	1-5/8 X 12	1-9/16	481.28	3632-1.9/16**	1-5/8 X 12	2.06	170.00	457.56	3632-1.5/8I
1-1/2 X 6	1-7/8 X 12	1-13/16	566.14	3632-1.13/16**	1-7/8 X 12	2.28	186.00	597.72	3632-1.7/8I
UNJF		UNC							
10G X 32	3/8 X 16	"Q"	10.15	3632-Q	3/8 X 16	0.37	80.00	16.42	3632-3/8I
1/4 X 28	7/16 X 14	"X"	17.34	3632-X	7/16 X 14	0.43	85.00	22.11	3632-7/16I
5/16 X 24	1/2 X 13	29/64	23.92	3632-29/64	1/2 X 13	0.50	89.00	24.32	3632-1/2I
3/8 X 24	9/16 X 12	33/64	46.04	3632-33/64*	9/16 X 12	0.56	95.00	35.12	3632-9/16I
7/16 X 20	5/8 X 11	37/64	57.80	3632-37/64*	5/8 X 11	0.68	102.00	37.03	3632-5/8I
1/2 X 20	11/16 X 11NS	41/64	72.61	3632-41/64*	11/16 X 11NS	0.75	112.00	175.88	3632-11/16I
1/2 X 20	3/4 X 16	45/64	74.93	3632-45/64*	3/4 X 16	0.68	104.00	82.56	3632-3/4I
9/16 X 18	3/4 X 16	45/64	74.93	3632-45/64*	3/4 X 16	0.94	104.00	82.56	3632-3/4I
9/16 X 18	13/16 X 16	49/64	84.31	3632-49/64*	13/16 X 16	0.94	118.00	210.25	3632-13/16I
5/8 X 18	7/8 X 14	53/64	94.94	3632-53/64*	7/8 X 14	1.00	113.00	115.03	3632-7/8I
3/4 X 16	1-1/8 X 12	1-1/16	151.64	3632-1.1/16*	1-1/8 X 12	1.31	127.00	244.70	3632-1.1/8I
7/8 X 14	1-1/4 X 12	1-3/16	169.92	3632-1.3/16*	1-1/4 X 12	1.44	137.00	273.38	3632-1.1/4I
1 X 12	1-3/8 X 12	1-5/16	322.36	3632-1.5/16**	1-3/8 X 12	1.56	144.00	363.00	3632-1.3/8I
1 X 14	1-3/8 X 12	1-5/16	322.36	3632-1.5/16**	1-3/8 X 12	1.56	144.00	363.00	3632-1.3/8I
1-1/8 X 12	1-1/2 X 12	1-7/16	420.05	3632-1.7/16**	1-1/2 X 12	1.84	149.00	406.89	3632-1.1/2I
1-1/4 X 12	1-5/8 X 12	1-9/16	481.28	3632-1.9/16**	1-5/8 X 12	2.06	170.00	457.56	3632-1.5/8I
1-1/2 X 12	1-7/8 X 12	1-13/16	566.14	3632-1.13/16**	1-7/8 X 12	2.28	186.00	597.72	3632-1.7/8I



GROUP	PSIT	PSIT
TOOL TYPE	INSERT SPECIFIC	UNIVERSAL

THIN WALL INSERT INSTALLATION TOOLS

				\$	PART #	\$	PART #
METRIC COARSE							
M5 X 0.8	M8 X 1.25			43.44	3600-5.00TT	26.06	3600-190T
M6 X 1	M10 X 1.25			44.82	3600-6.00TT	26.89	3600-250T
M8 X 1.25	M12 X 1.25			46.55	3600-8.00TT	27.92	3600-312T
M10 X 1.5	M14 X 1.5			50.02	3600-10.00TT	30.02	3600-375T
M12 X 1.75	M16 X 1.5			53.70	3600-12.00TT	34.11	3600-500T
METRIC FINE							
M8 X 1	M12 X 1.25			46.55	3600-8.00TT	27.92	3600-312T
M10 X 1.25	M14 X 1.5			50.02	3600-10.00TT	30.02	3600-375T
M12 X 1.25	M16 X 1.5			53.70	3600-12.00TT	34.11	3600-500T



HEAVY DUTY INSERT INSTALLATION TOOLS

				\$	PART #	\$	PART #
METRIC COARSE							
M4 X 0.7	M8 X 1.25			42.32	3600-4.00HT		
M5 X 0.8	M10 X 1.25			43.44	3600-5.00HT	26.06	3600-190T
M6 X 1	M12 X 1.25			44.82	3600-6.00HT	26.89	3600-250T
M8 X 1.25	M14 X 1.5			46.55	3600-8.00HT	27.92	3600-312T
M10 X 1.5	M16 X 1.5			50.02	3600-10.00HT	30.02	3600-375T
M12 X 1.75	M18 X 1.5			53.70	3600-12.00HT	34.11	3600-500T
M14 X 2	M20 X 1.5			58.74	3600-14.00HT		
M16 X 2	M22 X 1.5			60.81	3600-16.00HT	36.49	3600-625T
M20 X 2.5	M30 X 2			69.49	3600-20.00HT	38.64	3600-875T
M24 X 3	M33 X 2			78.33	3600-24.00HT		
METRIC FINE							
M8 X 1	M14 X 1.5			46.55	3600-8.00HT	27.92	3600-312T
M10 X 1.25	M16 X 1.5			50.02	3600-10.00HT	30.02	3600-375T
M12 X 1.25	M18 X 1.5			53.70	3600-12.00HT	34.11	3600-500T
M14 X 1.5	M20 X 1.5			58.74	3600-14.00HT		
M16 X 1.5	M22 X 1.5			60.81	3600-16.00HT	36.49	3600-625T
M18 X 1.5	M24 X 1.5			66.33	3600-18.00HT		
M20 X 1.5	M30 X 2			69.49	3600-20.00HT	38.64	3600-875T
M22 X 1.5	M32 X 2			72.64	3600-22.00HT		
M24 X 2	M33 X 2			78.33	3600-24.00HT		



INSTALLATION



1 DRILL

Drill to clear the damaged thread with a standard twist drill. Chamfer the hole with a standard countersink (82° - 100°)

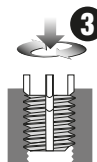
Note: Drill is oversize to accommodate external thread. Check technical charts for correct drill sizes.



2 TAP

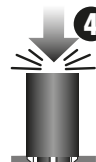
Create new thread using a standard tap. Check technical charts for correct tap size.

Note: Use of a suitable lubricant is essential during all tapping procedures.



3 INSERT

Screw the insert into the threaded hole until slightly below the surface of the parent material.



4 DRIVE

Select the correct size installation tool and place over the insert. Drive locking keys down using several hammer taps on end of installation tool.

GROUP	PSIT	PSIT
TOOL TYPE	INSERT SPECIFIC	UNIVERSAL



THIN WALL INSERT INSTALLATION TOOLS					
		\$	PART #	\$	PART #
UNJC		UNC			
10G X 24	5/16 X 18	49.94	3600-10GTT	26.06	3600-190T
1/4 X 20	3/8 X 16	51.55	3600-1/4TT	26.89	3600-250T
5/16 X 18	7/16 X 14	54.84	3600-5/16TT	27.92	3600-312T
3/8 X 16	1/2 X 13	82.21	3600-3/8TT	30.02	3600-375T
7/16 X 14	9/16 X 12	82.55	3600-7/16TT	30.02	3600-375T
1/2 X 13	5/8 X 11	86.55	3600-1/2TT	34.11	3600-500T
UNJF		UNC			
10G X 32	5/16 X 18	49.94	3600-10GTT	26.06	3600-190T
1/4 X 28	3/8 X 16	51.55	3600-1/4TT	26.89	3600-250T
5/16 X 24	7/16 X 14	54.84	3600-5/16TT	27.92	3600-312T
3/8 X 24	1/2 X 13	82.21	3600-3/8TT	30.02	3600-375T
7/16 X 20	9/16 X 12	82.55	3600-7/16TT	30.02	3600-375T
1/2 X 20	5/8 X 11	86.55	3600-1/2TT	34.11	3600-500T



HEAVY DUTY INSERT INSTALLATION TOOLS					
		\$	PART #	\$	PART #
UNJC		UNC			
8G X 32	5/16 X 18	75.79	3600-8GHT		
10G X 24	3/8 X 16	56.85	3600-10GHT	26.06	3600-190T
1/4 X 20	7/16 X 14	53.70	3600-1/4HT	26.89	3600-250T
5/16 X 18	1/2 X 13	55.78	3600-5/16HT	27.92	3600-312T
3/8 X 16	9/16 X 12	59.95	3600-3/8HT	30.02	3600-375T
7/16 X 14	5/8 X 11	64.37	3600-7/16HT	30.02	3600-375T
1/2 X 13	11/16 X 11NS	67.66	3600-1/2HT	34.11	3600-500T
1/2 X 13	3/4 X 16	65.56	3600-1/2HT-3/4	34.11	3600-500T
9/16 X 12	3/4 X 16	69.39	3600-9/16HT-3/4	34.11	3600-500T
9/16 X 12	13/16 X 16	71.61	3600-9/16HT		
5/8 X 11	7/8 X 14	75.30	3600-5/8HT	36.49	3600-625T
3/4 X 10	1-1/8 X 12	91.59	3600-3/4HT	38.64	3600-875T
7/8 X 9	1-1/4 X 12	100.00	3600-7/8HT	38.64	3600-875T
1 X 8	1-3/8 X 12	102.54	3600-1HT	47.55	3600-100T
1-1/8 X 7	1-1/2 X 12	274.27	3600-1.1/8HT		
1-1/4 X 7	1-5/8 X 12	297.14	3600-1.1/4HT		
1-1/2 X 6	1-7/8 X 12	358.47	3600-1.1/2HT		
UNJF		UNC			
10G X 32	3/8 X 16	56.85	3600-10GHT	26.06	3600-190T
1/4 X 28	7/16 X 14	53.70	3600-1/4HT	26.89	3600-250T
5/16 X 24	1/2 X 13	55.78	3600-5/16HT	27.92	3600-312T
3/8 X 24	9/16 X 12	59.95	3600-3/8HT	30.02	3600-375T
7/16 X 20	5/8 X 11	64.37	3600-7/16HT	30.02	3600-375T
1/2 X 20	11/16 X 11NS	67.66	3600-1/2HT	34.11	3600-500T
1/2 X 20	3/4 X 16	65.56	3600-1/2HT-3/4	34.11	3600-500T
9/16 X 18	3/4 X 16	69.39	3600-9/16HT-3/4	34.11	3600-500T
9/16 X 18	13/16 X 16	71.61	3600-9/16HT		
5/8 X 18	7/8 X 14	75.30	3600-5/8HT	36.49	3600-625T
3/4 X 16	1-1/8 X 12	91.59	3600-3/4HT	38.64	3600-875T
7/8 X 14	1-1/4 X 12	100.00	3600-7/8HT	38.64	3600-875T
1 X 12	1-3/8 X 12	102.54	3600-1HT	47.55	3600-100T
1 X 14	1-3/8 X 12	102.54	3600-1HT	47.55	3600-100T
1-1/8 X 12	1-1/2 X 12	274.27	3600-1.1/8HT		
1-1/4 X 12	1-5/8 X 12	297.14	3600-1.1/4HT		
1-1/2 X 12	1-7/8 X 12	358.47	3600-1.1/2HT		



GROUP	PSIT	
TOOL TYPE	PNEUMATIC	
	\$	PART #
LOKSERT PNEUMATIC TOOL	4500.00	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	234.38	3720-5.00TWMIP		
M6 X 1	M10 X 1.25	234.38	3720-6.00TWMIP		
M8 X 1.25	M12 X 1.25	234.38	3720-8.00TWMIP		
M10 X 1.5	M14 X 1.5	351.56	3720-10.00TWMIP		
M12 X 1.75	M16 X 1.5	351.56	3720-12.00TWMIP		
HEAVY DUTY					
M4 X 0.7	M8 X 1.25			234.38	3720-4.00HDMIP
M5 X 0.8	M10 X 1.25			234.38	3720-5.00HDMIP
M6 X 1	M12 X 1.25			234.38	3720-6.00HDMIP
M8 X 1.25	M14 X 1.5			234.38	3720-8.00HDMIP
M10 X 1.5	M16 X 1.5			351.56	3720-10.00HDMIP
M12 X 1.75	M18 X 1.5			351.56	3720-12.00HDMIP

UN INSERT FEA PNEUMATIC INSTALLATION TOOLS

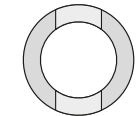
		\$	PART #	\$	PART #
THIN WALL					
10G X 24	5/16 X 18	234.38	3732-10GTWMIP		
10G X 32	5/16 X 18	234.38	3734-10GTWMIP		
1/4 X 20	3/8 X 16	234.38	3732-1/4TWMIP		
5/16 X 18	7/16 X 14	234.38	3732-5/16TWMIP		
3/8 X 16	1/2 X 13	234.38	3732-3/8TWMIP		
7/16 X 14	9/16 X 12	234.38	3732-7/16TWMIP		
1/2 X 13	5/8 X 11	234.38	3732-1/2TWMIP		
HEAVY DUTY					
10G X 24	3/8 X 16			234.38	3732-10GHDMIP
10G X 32	3/8 X 16			234.38	3734-10GHDMIP
1/4 X 20	7/16 X 14			234.38	3732-1/4HDMIP
5/16 X 18	1/2 X 13			234.38	3732-5/16HDMIP
3/8 X 16	9/16 X 12			351.56	3732-3/8HDMIP
7/16 X 14	5/8 X 11			351.56	3732-7/16HDMIP
1/2 X 13	3/4 X 16			351.56	3732-1/2HDMIP



tapsert 
®

 **BORDO**
INDUSTRIAL TOOLS





**MC
SPARK
UNC
UNF**

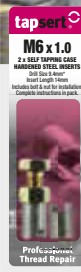
Tapserts

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	12.86	3920-2.5X6P	2	4.3*
3.00	0.50	5.00 X 0.50	6	12.86	3920-3X6P	2	4.8*
4.00	0.70	6.50 X 0.75	8	11.70	3920-4X8P	2	6.2*
5.00	0.80	8.00 X 1.00	10	11.70	3920-5X10P	2	7.6*
6.00	1.00	10.00 X 1.50	14	11.70	3920-6X14P	2	9.4*
8.00	1.25	12.00 X 1.50	15	12.86	3920-8X15P	2	11.4*
10.00	1.50	14.00 X 1.50	18	14.03	3920-10X18P	2	13.4*
12.00	1.75	16.00 X 1.50	22	16.38	3920-12X22P	2	15.4*
14.00	2.00	18.00 X 1.50	24	17.12	3920-14X24P	2	17.4*
16.00	1.50	20.00 X 1.50	22	24.56	3921-16X22P	2	19.4*
16.00	2.00	20.00 X 1.50	22	24.56	3920-16X22P	2	19.4*

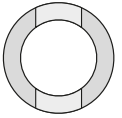
SPARK PLUG							
MM	MM	MM X MM	MM	\$	PART #	#	MM
14.00	1.25	17.70 X 1.25	9	20.47	3922-14X9P	2	17.4*
14.00	1.25	17.70 X 1.25	15	21.64	3922-14X15P	2	17.4*
14.00	1.25	17.70 X 1.25	9 & 15	21.64	3922-14CP	1 EACH	17.4*

UNC							
INCH	TPI	MM X MM	MM	\$	PART #	#	MM
4G	40	5.00 X 0.50	6	10.35	3932-4GX6P	2	4.8*
6G	32	6.00 X 0.75	8	10.35	3932-6GX8P	2	5.7*
8G	32	6.50 X 0.75	8	10.35	3932-8GX8P	2	6.2*
10G	24	8.00 X 1.00	10	10.35	3932-10GX10P	2	7.6*
1/4	20	10.00 X 1.50	14	11.70	3932-1/4X14P	2	9.4*
5/16	18	12.00 X 1.50	15	12.86	3932-5/16X15P	2	11.4*
3/8	16	14.00 X 1.50	18	14.03	3932-3/8X18P	2	13.4*
7/16	14	16.00 X 1.50	22	15.21	3932-7/16X22P	2	15.4*
1/2	13	18.00 X 1.50	22	16.38	3932-1/2X22P	2	17.4*
5/8	11	20.00 X 1.50	22	18.24	3932-5/8X22P	2	19.4*

UNF							
INCH	TPI	MM X MM	MM	\$	PART #	#	MM
10G	32	8.00 X 1.00	10	10.35	3934-10GX10P	2	7.6*
1/4	28	10.00 X 1.50	14	11.70	3934-1/4X14P	2	9.4*
5/16	24	12.00 X 1.50	15	12.86	3934-5/16X15P	2	11.4*
3/8	24	14.00 X 1.50	18	14.03	3934-3/8X18P	2	13.4*
7/16	20	16.00 X 1.50	22	15.21	3934-7/16X22P	2	15.4*
1/2	20	18.00 X 1.50	22	16.38	3934-1/2X22P	2	17.4*
5/8	18	20.00 X 1.50	22	18.24	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	602.38	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:

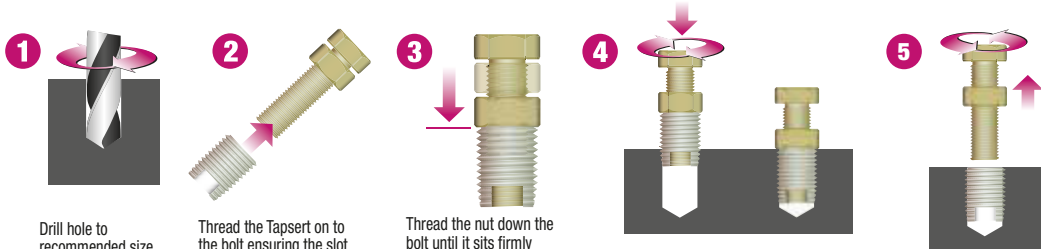
- High pull-out strength
- High loading capacity in low shear strength materials
- Wear free, vibration resistant screw joint

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.

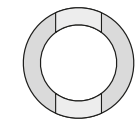
To ensure the Tapsert installation is straight apply downward pressure on the assembly. If using an open ended wrench apply downward pressure to the bolt head whilst turning the nut to wind the Tapsert in. Alternatively if using a socket for installation apply downward pressure to the socket.

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

NOTE Tapping fluid should be used to aid installation.

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

Congratulations – you have successfully created a new thread.



**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	0.48	3920-2.5X6	0.86	3920-2.5X6SS
3.00	0.50	5.00 X 0.50	6	4.8	0.47	3920-3X6	0.87	3920-3X6SS
4.00	0.70	6.50 X 0.75	8	6.2	0.64	3920-4X8	1.18	3920-4X8SS
5.00	0.80	8.00 X 1.00	10	7.6	0.85	3920-5X10	1.73	3920-5X10SS
6.00	1.00	10.00 X 1.50	14	9.4	1.19	3920-6X14	2.29	3920-6X14SS
8.00	1.25	12.00 X 1.50	15	11.4	1.56	3920-8X15	3.05	3920-8X15SS
10.00	1.50	14.00 X 1.50	18	13.4	2.20	3920-10X18	4.24	3920-10X18SS
12.00	1.75	16.00 X 1.50	22	15.4	3.23	3920-12X22	6.34	3920-12X22SS
14.00	2.00	18.00 X 1.50	24	17.4	3.80	3920-14X24	6.99	3920-14X24SS
16.00	1.50	20.00 X 1.50	22	19.4	4.29	3921-16X22	-	-
16.00	2.00	20.00 X 1.50	22	19.4	4.29	3920-16X22	9.08	3920-16X22SS
18.00	2.50	22.00 X 1.50	24	21.4	4.99	3920-18X24	9.16	3920-18X24SS
20.00	2.50	26.00 X 1.50	27	25.4	5.86	3920-20X26	10.74	3920-20X26SS
22.00	2.50	26.00 X 1.50	30	25.4	6.70	3920-22X30	12.28	3920-22X30SS
24.00	3.00	30.00 X 1.50	30	29.4	7.69	3920-24X30	14.11	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	2.65	3922-14X9	4.60	3922-14X9SS
14.00	1.25	17.70 X 1.25	15	17.4	3.55	3922-14X15	6.41	3922-14X15SS

UNC								
INCH	TPI	MM X MM	MM	MM	\$	PART #	\$	PART #
4G	40	5.00 X 0.50	6	4.8	0.49	3932-4GX6	0.91	3932-4GX6SS
6G	32	6.00 X 0.75	8	5.7	0.65	3932-6GX8	1.19	3932-6GX8SS
8G	32	6.50 X 0.75	8	6.2	0.85	3932-8GX8	1.56	3932-8GX8SS
10G	24	8.00 X 1.00	10	7.6	0.99	3932-10GX10	1.81	3932-10GX10SS
1/4	20	10.00 X 1.50	14	9.4	1.19	3932-1/4X14	2.29	3932-1/4X14SS
5/16	18	12.00 X 1.50	15	11.4	1.56	3932-5/16X15	3.05	3932-5/16X15SS
3/8	16	14.00 X 1.50	18	13.4	2.20	3932-3/8X18	4.36	3932-3/8X18SS
7/16	14	16.00 X 1.50	22	15.4	3.23	3932-7/16X22	6.34	3932-7/16X22SS
1/2	13	18.00 X 1.50	22	17.4	4.06	3932-1/2X22	8.46	3932-1/2X22SS
5/8	11	20.00 X 1.50	22	19.4	4.63	3932-5/8X22	8.47	3932-5/8X22SS

UNF								
INCH	TPI	MM X MM	MM	MM	\$	PART #	\$	PART #
10G	32	8.00 X 1.00	10	7.6	0.99	3934-10GX10	1.81	3934-10GX10SS
1/4	28	10.00 X 1.50	14	9.4	1.19	3934-1/4X14	2.29	3934-1/4X14SS
5/16	24	12.00 X 1.50	15	11.4	1.56	3934-5/16X15	3.05	3934-5/16X15SS
3/8	24	14.00 X 1.50	18	13.4	2.20	3934-3/8X18	4.36	3934-3/8X18SS
7/16	20	16.00 X 1.50	22	15.4	3.23	3934-7/16X22	6.34	3934-7/16X22SS
1/2	20	18.00 X 1.50	22	17.4	4.06	3934-1/2X22	8.46	3934-1/2X22SS
5/8	18	20.00 X 1.50	22	19.4	4.63	3934-5/8X22	8.47	3934-5/8X22SS

e-zsert®



SINGLE SIZE AND RANGE KITS

THIN WALL



GROUP	EZST	EZST
INSERT TYPE	E-ZSERT FOR METAL	E-ZSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	THIN WALL	THIN WALL

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	73.71	3332-10GTWK			10	I	5/16 X 18	3300-2
10G	32	5/16 X 18	0.312	73.71	3334-10GTWK			10	I	5/16 X 18	3300-2
1/4	20	3/8 X 16	0.375	85.74	3332-1/4TWK			10	Q	3/8 X 16	3300-3
1/4	28	3/8 X 16	0.375	85.74	3334-1/4TWK			10	Q	3/8 X 16	3300-3
5/16	18	7/16 X 14	0.437	101.37	3332-5/16TWK			10	X	7/16 X 14	3300-4
5/16	24	7/16 X 14	0.437	101.37	3334-5/16TWK			10	X	7/16 X 14	3300-4
3/8	16	1/2 X 13	0.500	119.11	3332-3/8TWK			10	29/64	1/2 X 13	3300-5
3/8	24	1/2 X 13	0.500	119.11	3334-3/8TWK			10	29/64	1/2 X 13	3300-5
7/16	14	9/16 X 12	0.560	147.82	3332-7/16TWK			10	33/64	9/16 X 12	3300-6
1/2	13	5/8 X 11	0.620	170.23	3332-1/2TWK			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 #
4.00	0.70	8.00 X 1.25	7.5	77.59	3320-4.00TWMK			10	6.9	M8 X 1.25	3300-1
5.00	0.80	8.00 X 1.25	7.5	78.89	3320-5.00TWMK	117.59	3320-5.00TWMSSK	10	6.9	M8 X 1.25	3300-1
6.00	1.00	10.00 X 1.50	10.5	84.53	3320-6.00TWMK	131.83	3320-6.00TWMSSK	10	8.6	M10 X 1.5	3300-3
8.00	1.25	12.00 X 1.75	12.5	108.98	3320-8.00TWMK	154.38	3320-8.00TWMSSK	10	10.4	M12 X 1.75	3300-4
10.00	1.50	16.00 X 2.00	17.0	152.42	3320-10.00TWMK	226.12	3320-10.00TWMSSK	10	14.0	M16 X 2.0	3300-5
12.00	1.75	16.00 X 2.00	17.0	177.82	3320-12.00TWMK	242.92	3320-12.00TWMSSK	10	14.0	M16 X 2.0	3300-6
16.00	2.00	24.00 X 3.00	20.0	291.02	3320-16.00TWMK			5	21.0	M24 X 3.0	3300-8



GROUP	EZST
INSERT TYPE	E-ZSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL
STYLE	THIN WALL

METRIC SERIES – RANGE KIT

				INSERT		INCL.
MM	MM	MM X MM	MM	\$	PART #	#
5.00	0.80	8.00 X 1.25	7.5	208.30	3320-WK1	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			10



GROUP	EZST	EZST
INSERT TYPE	E-ZSERT FOR METAL	E-ZSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	HEAVY WALL	HEAVY WALL

UNC / UNF SERIES				INSERT		INCLUDED IN KIT					
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	#	DRILL	TAP	PART #
10G	24	3/8 X 16	0.406	84.26	3332-10GHWK	123.07	3332-10GHWSSK	10	5/16	3/8 X 16	3300-2
10G	32	3/8 X 16	0.406	84.26	3334-10GHWK	123.07	3334-10GHWSSK	10	5/16	3/8 X 16	3300-2
1/4	20	7/16 X 14	0.437	94.25	3332-1/4HWK	135.98	3332-1/4HWSSK	10	23/64	7/16 X 14	3300-3
1/4	28	7/16 X 14	0.437	94.25	3334-1/4HWK			10	23/64	7/16 X 14	3300-3
5/16	18	1/2 X 13	0.484	113.58	3332-5/16HWK	138.78	3332-5/16HWSSK	10	27/64	1/2 X 13	3300-4
5/16	24	1/2 X 13	0.484	113.58	3334-5/16HWK			10	27/64	1/2 X 13	3300-4
3/8	16	9/16 X 12	0.515	138.26	3332-3/8HWK	170.39	3332-3/8HWSSK	10	31/64	9/16 X 12	3300-5
3/8	24	9/16 X 12	0.515	138.26	3334-3/8HWK			10	31/64	9/16 X 12	3300-5
7/16	14	5/8 X 11	0.656	174.42	3332-7/16HWK			10	17/32	5/8 X 11	3300-6
1/2	13	3/4 X 10	0.656	208.08	3332-1/2HWK	240.38	3332-1/2HWSSK	10	21/32	3/4 X 10	3300-7
1/2	20	3/4 X 10	0.656	208.08	3334-1/2HWK			10	21/32	3/4 X 10	3300-7
5/8	11	7/8 X 9	0.687	274.99	3332-5/8HWK			5	49/64	7/8 X 9	3300-9



GROUP	EZST
INSERT TYPE	E-ZSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL
STYLE	HEAVY WALL

UNC / UNF SERIES – RANGE KIT						
INSERT						INCL.
INCH	TPI	INCH X TPI	INCH	\$	PART #	#
10G	24	3/8 X 16	0.406	187.00	3332-WK1	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			10





GROUP	EZST	EZST
INSERT TYPE	E-ZSERT FOR METAL	E-ZSERT 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	2.27	3332-10GTW			I	5/16 X 18	0.375	3300-2
10G	32	5/16 X 18	0.312	2.27	3334-10GTW			I	5/16 X 18	0.375	3300-2
1/4	20	3/8 X 16	0.375	2.68	3332-1/4TW			Q	3/8 X 16	0.437	3300-3
1/4	28	3/8 X 16	0.375	2.68	3334-1/4TW			Q	3/8 X 16	0.437	3300-3
5/16	18	7/16 X 14	0.437	2.93	3332-5/16TW			X	7/16 X 14	0.500	3300-4
5/16	24	7/16 X 14	0.437	2.93	3334-5/16TW			X	7/16 X 14	0.500	3300-4
3/8	16	1/2 X 13	0.500	4.68	3332-3/8TW			29/64	1/2 X 13	0.560	3300-5
3/8	24	1/2 X 13	0.500	4.68	3334-3/8TW			29/64	1/2 X 13	0.560	3300-5
7/16	14	9/16 X 12	0.560	5.34	3332-7/16TW			33/64	9/16 X 12	0.620	3300-6
7/16	20	9/16 X 12	0.560	5.34	3334-7/16TW			33/64	9/16 X 12	0.620	3300-6
1/2	13	5/8 X 11	0.620	5.84	3332-1/2TW			37/64	5/8 X 11	0.680	3300-7
1/2	20	5/8 X 11	0.620	5.84	3334-1/2TW			37/64	5/8 X 11	0.680	3300-7

METRIC INTERNAL UNC EXTERNAL SERIES

INSERT								INSTALLATION			
MM	MM	INCH X TPI	INCH	\$	PART #	\$	PART #	DRILL INCH	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
4.00	0.70	5/16 X 18	0.312	3.69	3320-4.00TWF			I	5/16 X 18	0.375	3300-1
5.00	0.80	5/16 X 18	0.312	3.69	3320-5.00TWF			I	5/16 X 18	0.375	3300-2
6.00	1.00	3/8 X 16	0.375	4.65	3320-6.00TWF			Q	3/8 X 16	0.437	3300-3
8.00	1.25	7/16 X 14	0.437	5.28	3320-8.00TWF			X	7/16 X 14	0.500	3300-4
10.00	1.50	1/2 X 13	0.500	7.47	3320-10.00TWF			29/64	1/2 X 13	0.560	3300-5
12.00	1.75	5/8 X 11	0.620	8.38	3320-12.00TWF			37/64	5/8 X 11	0.680	3300-6

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	2.74	3320-3.00TWM	5.01	3320-3.00TWMSS	5.1	M6 X 1.0	7.8	
4.00	0.70	8.00 X 1.25	7.5	2.51	3320-4.00TWM	6.08	3320-4.00TWMSS	6.9	M8 X 1.25	9.0	3300-1
5.00	0.80	8.00 X 1.25	7.5	2.64	3320-5.00TWM	6.51	3320-5.00TWMSS	6.9	M8 X 1.25	9.0	3300-2
6.00	1.00	10.00 X 1.50	10.5	2.77	3320-6.00TWM	7.50	3320-6.00TWMSS	8.6	M10 X 1.5	12.0	3300-3
8.00	1.25	12.00 X 1.75	12.5	3.54	3320-8.00TWM	8.08	3320-8.00TWMSS	10.4	M12 X 1.75	14.5	3300-4
10.00	1.50	16.00 X 2.00	17.0	4.52	3320-10.00TWM	11.89	3320-10.00TWMSS	14.0	M16 X 2.0	19.0	3300-5
12.00	1.75	16.00 X 2.00	17.0	7.06	3320-12.00TWM	13.57	3320-12.00TWMSS	14.0	M16 X 2.0	19.0	3300-6
16.00	2.00	24.00 X 3.00	20.0	10.50	3320-16.00TWM	17.22	3320-16.00TWMSS	21.0	M24 X 3.0	24.0	3300-8
20.00	2.50	36.00 X 4.00	30.0	23.51	3320-20.00TWM			33.0	M36 X 4.0	35.0	



GROUP	EZST	EZST
INSERT TYPE	E-ZSERT FOR METAL	E-ZSERT FOR METAL
INSERT MATERIAL	C12L14 CARBON STEEL	303 STAINLESS STEEL
STYLE	HEAVY WALL	HEAVY WALL

UNC / UNF SERIES											
INSERT								INSTALLATION			
INCH	TPI	INCH X TPI	INCH	\$	PART #	\$	PART #	DRILL INCH	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
4G	40	10 X 32	0.250	2.74	3332-4GHW	4.85	3332-4GHWSS	5/32	10G X 32	0.281	
6G	32	1/4 X 20	0.280	2.11	3332-6GHW	5.44	3332-6GHWSS	#7	1/4 X 20	0.344	3300-006
8G	32	5/16 X 18	0.290	2.28	3332-8GHW	6.08	3332-8GHWSS	F	5/16 X 18	0.438	3300-1
10G	24	3/8 X 16	0.406	2.87	3332-10GHW	6.71	3332-10GHWSS	5/16	3/8 X 16	0.469	3300-2
10G	32	3/8 X 16	0.406	2.87	3334-10GHW	6.71	3334-10GHWSS	5/16	3/8 X 16	0.469	3300-2
1/4	20	7/16 X 14	0.437	3.08	3332-1/4HW	7.11	3332-1/4HWSS	23/64	7/16 X 14	0.500	3300-3
1/4	28	7/16 X 14	0.437	3.08	3334-1/4HW	7.11	3334-1/4HWSS	23/64	7/16 X 14	0.500	3300-3
5/16	18	1/2 X 13	0.484	4.37	3332-5/16HW	7.39	3332-5/16HWSS	27/64	1/2 X 13	0.563	3300-4
5/16	24	1/2 X 13	0.484	4.37	3334-5/16HW	7.39	3334-5/16HWSS	27/64	1/2 X 13	0.563	3300-4
3/8	16	9/16 X 12	0.515	5.12	3332-3/8HW	8.34	3332-3/8HWSS	31/64	9/16 X 12	0.594	3300-5
3/8	24	9/16 X 12	0.515	5.12	3334-3/8HW	8.34	3334-3/8HWSS	31/64	9/16 X 12	0.594	3300-5
7/16	14	5/8 X 11	0.656	6.72	3332-7/16HW	10.41	3332-7/16HWSS	17/32	5/8 X 11	0.719	3300-6
7/16	24	5/8 X 11	0.656	6.72	3334-7/16HW	10.41	3334-7/16HWSS	17/32	5/8 X 11	0.719	3300-6
1/2	13	3/4 X 10	0.656	7.54	3332-1/2HW	13.43	3332-1/2HWSS	21/32	3/4 X 10	0.750	3300-7
1/2	13	3/4 X 10	1.000	10.62	3332-1/2X1HW			21/32	3/4 X 10	1.125	3300-7
1/2	20	3/4 X 10	0.656	7.54	3334-1/2HW	13.43	3334-1/2HWSS	21/32	3/4 X 10	0.750	3300-7
9/16	12	3/4 X 10	0.656	9.08	3332-9/16HW			21/32	3/4 X 10	0.750	3300-7
9/16	18	3/4 X 10	0.656	9.08	3334-9/16HW			21/32	3/4 X 10	0.750	3300-7
5/8	11	7/8 X 9	0.687	10.55	3332-5/8HW	16.13	3332-5/8HWSS	49/64	7/8 X 9	0.813	3300-8
5/8	11	7/8 X 9	1.125	11.64	3332-5/8X1.125HW			49/64	7/8 X 9	1.250	3300-8
5/8	18	7/8 X 9	0.687	10.55	3334-5/8HW			49/64	7/8 X 9	0.813	3300-8
3/4	10	1 X 8	0.781	13.40	3332-3/4HW	22.80	3332-3/4HWSS	7/8	1 X 8	0.875	3300-9
3/4	16	1 X 8	0.781	13.40	3334-3/4HW			7/8	1 X 8	0.875	3300-9
7/8	9	1.1/4 X 7	1.125	24.53	3332-7/8HW			1-7/64	1.1/4 X 7	1.250	
7/8	14	1.1/4 X 7	1.125	24.53	3334-7/8HW			1-7/64	1.1/4 X 7	1.250	
1	8	1.3/8 X 12	1.250	24.65	3332-1HW			1-9/32	1.3/8 X 12	1.375	
1	14	1.3/8 X 12	1.250	24.65	3334-1HW			1-9/32	1.3/8 X 12	1.375	

UNC INTERNAL METRIC EXTERNAL SERIES											
INSERT								INSTALLATION			
INCH	TPI	MM X MM	INCH	\$	PART #	\$	PART #	DRILL INCH	TAP SIZE	MIN. FULL THREAD DEPTH	PART #
6G	32	6.00 X 1.00	0.256	3.46	3332-6GHWM			5.1	M6 X 1.0	7.8	
8G	32	8.00 X 1.25	0.295	3.69	3332-8GHWM			6.9	M8 X 1.25	9.0	3300-1
10G	24	8.00 X 1.25	0.295	4.17	3332-10GHWM			6.9	M8 X 1.25	12.0	3300-2
10G	32	8.00 X 1.25	0.295	4.65	3334-10GHWM			6.9	M8 X 1.25	12.0	3300-2
1/4	20	10.00 X 1.50	0.413	5.28	3332-1/4HWM			8.6	M10 X 1.5	14.5	3300-3
5/16	18	12.00 X 1.75	0.492	5.28	3332-5/16HWM			10.4	M12 X 1.75	14.5	3300-4
3/8	16	16.00 X 2.00	0.669	6.83	3332-3/8HWM			14.0	M16 X 2.0	19.0	3300-5
1/2	13	16.00 X 2.00	0.669	7.23	3332-1/2HWM			14.0	M16 X 2.0	19.0	3300-7

BULK INSERTS

HEAVY WALL

EXTRA HEAVY WALL



GROUP	EZST	EZST
INSERT TYPE	E-ZSERT FOR METAL	E-ZSERT 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	3.11	3320-6.00HWF	7.19	3320-6.00HWSSF	5/16	3/8 X 16	0.469	3300-3
8.00	1.25	1/2 X 13	0.484	3.82	3320-8.00HWF	8.26	3320-8.00HWSSF	27/64	1/2 X 13	0.563	3300-4
10.00	1.50	9/16 X 12	0.515	4.37	3320-10.00HWF	9.46	3320-10.00HWSSF	31/64	9/16 X 12	0.594	3300-5
10.00	1.25	9/16 X 12	0.515	4.89	3321-10.00HWF	9.46	3321-10.00HWSSF	31/64	9/16 X 12	0.594	3300-5
12.00	1.75	3/4 X 10	0.656	5.62	3320-12.00HWF	13.47	3320-12.00HWSSF	21/32	3/4 X 10	0.750	3300-6
14.00	2.00	7/8 X 9	0.687	11.30	3320-14.00HWF	16.61	3320-14.00HWSSF	49/64	7/8 X 9	0.813	3300-7
16.00	2.00	1 X 8	0.781	11.25	3320-16.00HWF	18.47	3320-16.00HDSF	7/8	1 X 8	0.875	3300-8



GROUP	EZST	EZST
INSERT TYPE	E-ZSERT FOR METAL	E-ZSERT 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	3.77	3332-1/4XHW			27/64	1/2 X 13	0.563	3300-3
5/16	18	9/16 X 12	0.515	5.03	3332-5/16XHW			31/64	9/16 X 12	0.594	3300-4
3/8	16	5/8 X 11	0.656	6.22	3332-3/8XHW			17/32	5/8 X 11	0.719	3300-5
1/2	13	7/8 X 9	0.687	10.62	3332-1/2XHW			49/64	7/8 X 9	0.813	
5/8	11	1 X 8	0.781	12.33	3332-5/8XHW			7/8	1 X 8	0.875	

GROUP	EZST
TOOL TYPE	HEX SHANK

	\$	PART #
E-ZSERT # 1 INSTALL TOOL	27.65	3300-1
E-ZSERT # 2 INSTALL TOOL	27.65	3300-2
E-ZSERT # 3 INSTALL TOOL	27.65	3300-3
E-ZSERT # 4 INSTALL TOOL	27.65	3300-4
E-ZSERT # 5 INSTALL TOOL	27.65	3300-5
E-ZSERT # 6 INSTALL TOOL	27.65	3300-6
E-ZSERT # 7 INSTALL TOOL	32.26	3300-7
E-ZSERT # 8 INSTALL TOOL	32.26	3300-8
E-ZSERT # 9 INSTALL TOOL	32.26	3300-9



Nes[®]



MINI KIT 1044

U.S. Pat. No. 6,544,177
Patented in other countries
& P.A.T. PEND.

INTERNAL

1. Turn the P.C.D. (Pitch Circle Diameter) into the existing hole. Turn the Threadmate into the hole to be restored.
2. Turn the P.C.D. around (rotate) into a thread groove below the cone adjustment and align it to the cone.
3. Rotate Threadmate through as shown.

For internal aluminium threads plastic pipe must be used.
See the guide for specific flight from 11mm to 30mm.

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	63.48	3507-06040		

GROUP	NESR
THREAD TYPE	INTERNAL & EXTERNAL
THREAD ANGLE	60°
INTERNAL THREAD RANGE	5-12MM (1/8-1/2")
EXTERNAL THREAD RANGE	4-13MM (5/32-1/2")



THREADMATE KIT										
MM	INCH	MM	INCH	\$	PART #		PART #	QTY	MM	INCH
4.00-13.00	5/32-1/2	5.00-12.00	1/8-1/2	277.88	3507-01044		3507-06040	1	4-13	5/32-1/2
							TM20	1	5-8	1/8-5/16
							TM21	1	8-12	5/16-7/16
							3507-07207	4	-	-
							3507-07217	4	-	-

GROUP	NESR
THREAD TYPE	INTERNAL & EXTERNAL
THREAD ANGLE	60°
INTERNAL THREAD RANGE	5-12MM (1/8-1/2")
EXTERNAL THREAD RANGE	4-13MM (5/32-1/2")



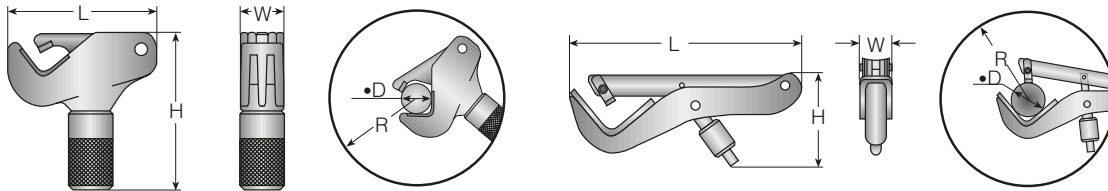
THREADMATE KIT MERCHANDISER										
MM	INCH	MM	INCH	QTY	\$	PART #				
4.00-13.00	5/32-1/2	5.00-12.00	1/8-1/2	5	1389.43	3507-D1				

GROUP	NESR
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THREADMATE							
EXTERNAL	INTERNAL	\$	PART #		\$	PART #	
-	TM20 NYLON PADS (5)	9.60	3507-07207				
-	TM21 NYLON PADS (5)	13.72	3507-07217				
-	60° BLADES				19.61	3507-06046	
-	55° BLADES				19.61	3507-06045	

EXTERNAL

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.

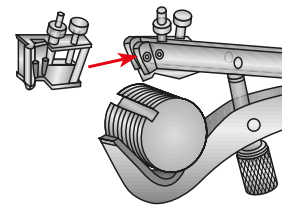
Quick to set up and simple to use.

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"	125.57	3507-NES1A	61	23	62	68
NES 2	17.00 – 38.00	11/16 – 1-1/2	3/8" to 1-1/8"	183.02	3507-NES2	105	32	110	117
NES 3	32.00 – 152.00	1-1/4 – 6	1" to 5-1/2"	420.76	3507-NES3	305	44	130	250

KEYWAY SKIP ADAPTOR			
SUITS		\$	PART #
NES 3	PITCH ≥ 1.75MM OR 14TPI	127.18	3507-03101
NES 3	PITCH < 1.75MM OR 14TPI	218.10	3507-03103



REPLACEMENT BLADES					
		60°		55°	
SUITS		\$	PART #	\$	PART #
NES 1A	ALL PITCHES	47.31	3507-00010	47.31	3507-00020
NES 2	PITCH ≥ 1.5MM OR 17TPI	64.27	3507-00030	64.27	3507-00040
NES 2	PITCH < 1.5MM OR 17TPI	64.27	3507-00031F	64.27	3507-00041F
NES 3	1.75MM 14TPI ≤ PITCH ≤ 3.5MM 7TPI	90.92	3507-03010	90.92	3507-03020
NES 3	PITCH > 3.5MM OR 7TPI	90.92	3507-03011C	90.92	3507-03021C
NES 3	PITCH < 1.75MM OR 14TPI	90.92	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

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

Does not require calibration.

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Hardened HSS cutting blades for long service life.

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

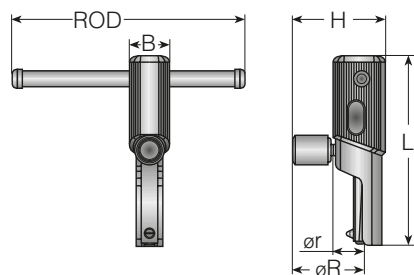
Removes rust and burrs.

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.

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	138.71	3507-NES21	109	18	45	136	16	38
NES 22	12.00 – 16.00	1/2 – 5/8	138.71	3507-NES22	109	18	45	136	17	39
NES 23	16.00 – 20.00	11/16 – 13/16	151.32	3507-NES23	111	21	53	146	20	45
NES 24	22.00 – 32.00	7/8 – 1-1/4	201.80	3507-NES24	136	27	64	161	27	54
NES 25	32.00 – 54.00	1-1/4 – 2-1/8	353.25	3507-NES25	163	38	81	192	35	62
NES 26	32.00 – 68.00	1-1/4 – 2-5/8	504.72	3507-NES26	163	50	92	192	41	70
NES 27	69.00 – 81.00	2-3/4 – 3-3/16	657.10	3507-NES27	163	50	103	192	48	76
NES 28	82.00 – 95.00	3-1/4 – 3-3/4	811.50	3507-NES28	163	50	118	192	54	82
NES 29	96.00 – 108.00	3-3/4 – 4-1/4	958.17	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	13.72	3507-07217		
NES 22	14-18MM, 9/16-11/16"	5	13.72	3507-07227		
NES 23	18-22MM, 11/16-7/8"	5	15.41	3507-07237		
NES 24	22-33MM, 7/8-1-5/16"	5	16.50	3507-07247		
NES 25	68MM, 2-5/8"	1			127.18	3507-07269

REPLACEMENT BLADES					
			60°	55°	
SUITS		\$	PART #	\$	PART #
NES 21	ALL PITCHES	33.39	3507-07216	33.39	3507-07215
NES 22	ALL PITCHES	30.35	3507-07226	30.35	3507-07225
NES 23	ALL PITCHES	31.37	3507-07236	31.37	3507-07235
NES 24	PITCH ≤ 2.5MM OR 10TPI	33.07	3507-07246F	33.07	3507-07245F
NES 24	PITCH > 2.5MM OR 10TPI	33.07	3507-07246C	33.07	3507-07245C
NES 25	PITCH ≤ 1.75MM OR 14TPI	38.15	3507-07256	38.15	3507-07255
NES 25	PITCH < 1.75MM OR 14TPI	38.18	3507-07256F	38.18	3507-07255F
NES 26	1.75MM 14TPI ≤ PITCH ≤ 3.5MM 7TPI	40.80	3507-07266	38.15	3507-07265
NES 26	PITCH < 1.75MM OR 14TPI	40.80	3507-07266F	38.15	3507-07265F
NES 26	PITCH > 3.5MM OR 7TPI			38.15	3507-07265C

GROUP	NESR
THREAD TYPE	INTERNAL & EXTERNAL
THREAD ANGLE	60°



MERCHANDISER				
	\$	PART #	PART #	PART #
NES HANG SELL MERCHANDISER	1002.60	3507-D2	3507-NES21	3507-06040
			3507-NES22	3507-NES1A
			3507-NES23	3507-NES2
			3507-NES24	—





Features and Benefits of NES Adjustable Thread Restoring Tools and Kits

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Does not require calibration.

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Hardened HSS cutting blades for long service life.

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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						
	\$	PART #	PART #	QTY	MM	INCH
SET 1008	628.69	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								
	\$	PART #	PART #	QTY	MM	INCH	MM	INCH
SET 1025	962.50	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	344.11	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	844.91	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	–	–

powercoil® wire thread insert system

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.

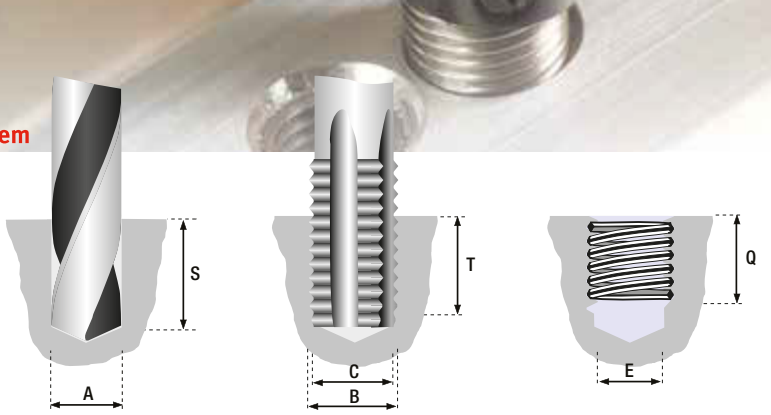
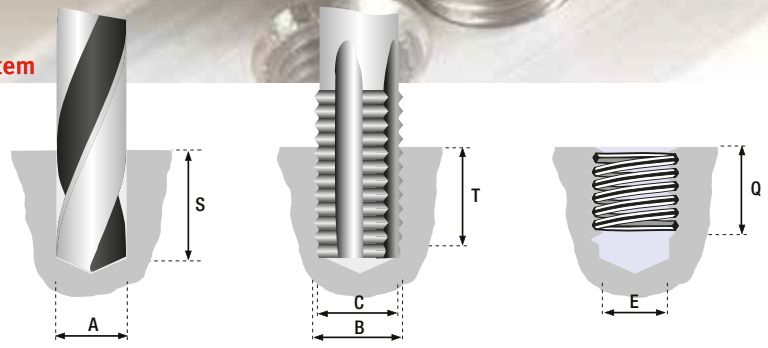


Table with columns for Nominal Thread Size, Drilled Hole Dimensions (Drill, S Min. Drilling Depth, Inter/Plug Tap), Tapped Hole Dimensions (B Major Dia., C Pitch Diameter, T Minimum Tapping Depth), and E Fitted Minor Dia. Rows include metric sizes from M2 X 0.4 to M42 X 4.5.



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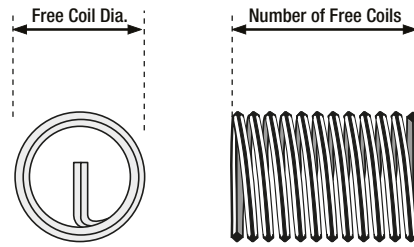
Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS									E Fitted Minor Dia.																			
	Drill				S Min. Drilling Depth Inter/Plug Tap						B Major Dia. *	C Pitch Diameter			T Minimum Tapping Depth																								
	Size	A Minor Dia.	1D	1.5D	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.

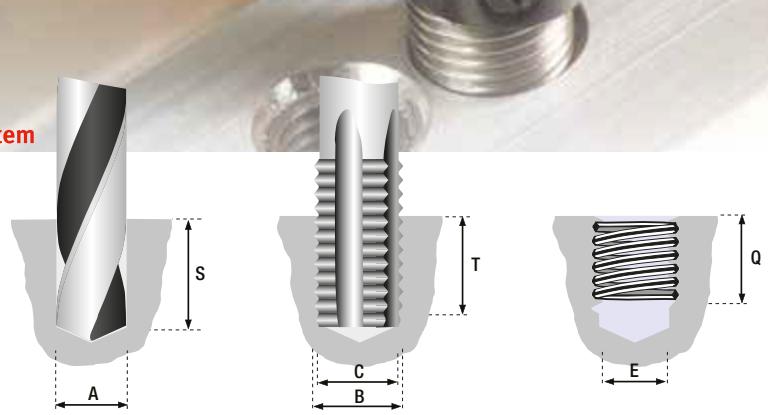
PowerCoil wire thread inserts can be manufactured to different standards upon request. Technical data on these standards can be obtained from our website – www.powercoil.com.au.



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.



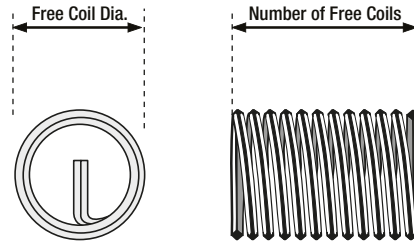
Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS									E Fitted Minor Dia.
	Drill		S Min. Drilling Depth Inter/Plug Tap								B Major Dia. *	C Pitch Diameter			T Minimum Tapping Depth					
	Size	A Minor Dia.	1D	1.5D	2D	2.5D	3D	Min	Close			Medium	1D	1.5D	2D	2.5D	3D			
mm	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch			
BSW																				
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																				
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																				
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.

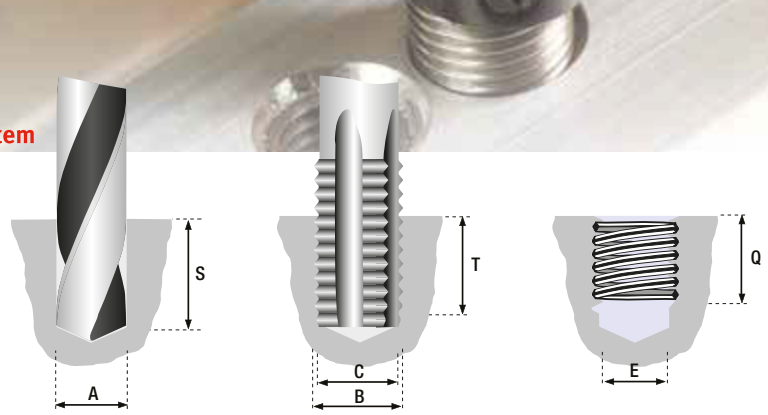
PowerCoil wire thread inserts can be manufactured to different standards upon request. Technical data on these standards can be obtained from our website – www.powercoil.com.au.



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	inch			
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																			
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

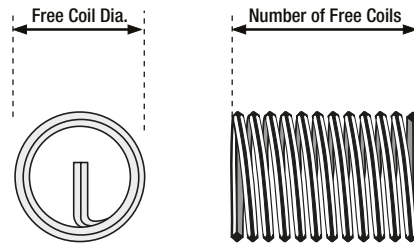
Nominal Thread Size	DRILLED HOLE DIMENSIONS									Nominal Thread Size	TAPPED HOLE DIMENSIONS							E Fitted Minor Dia.		
	Drill				S Min. Drilling Depth Inter/Plug Tap						B Major Dia. *	C Pitch Dia.		Tap Std.	T Minimum Tapping Depth					
	Size		A Minor Dia.		1D	1.5D	2D	2.5D	3D			Min	3B		1D	1.5D	2D		2.5D	3D
mm	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch			
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



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.

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	
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

*** 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"



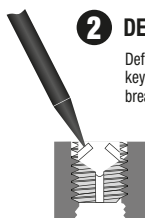
REMOVAL



1 DRILL

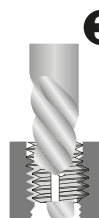
Drill out the material between the locking keys and the internal thread to the specified depth.

Note: Drill size and drilling depth are shown in the loksert technical tables.



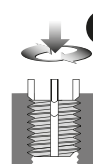
2 DEFLECT

Deflect locking keys inward and break off



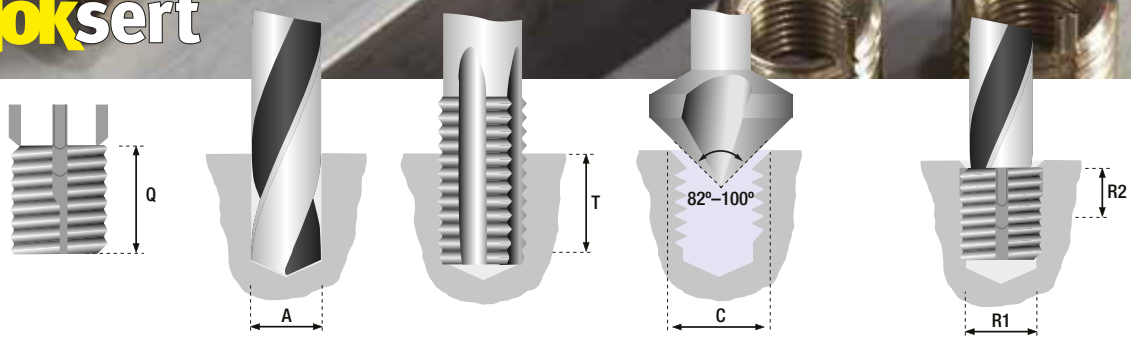
3 REMOVE

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.



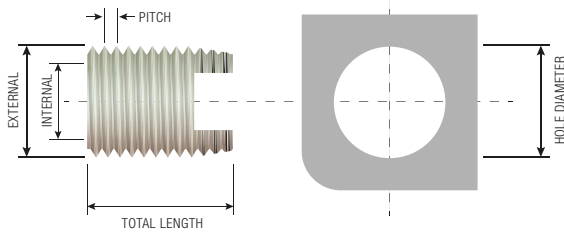
Internal Thread	INSERT SPECIFICATIONS			Internal Thread	DRILL, TAP & COUNTERSINK SPECIFICATIONS				Internal Thread	REMOVAL SPECIFICATIONS	
	External Thread	Q Nominal Length	Installation Tool		A Drill Size*	Tap Size Class 2B	T Minimum Tapping Depth	C Min. Width Countersink†		R1 Drill Size	R2 Minimum Drilling Depth
inch	inch	inch	Part #	inch	inch	inch	inch	inch	inch	inch	
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			
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"



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.

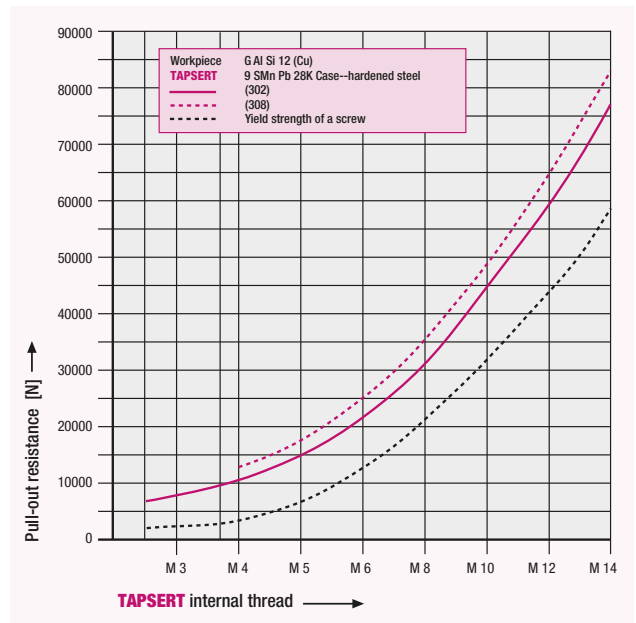
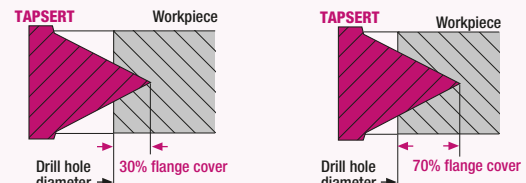
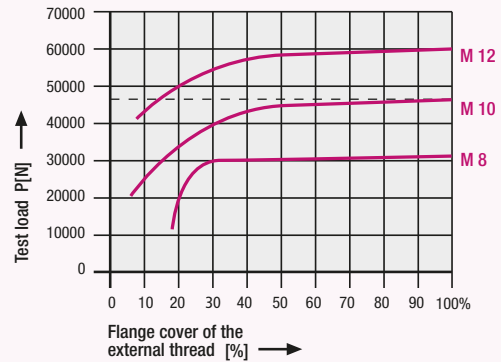
HOLE PREPARATION

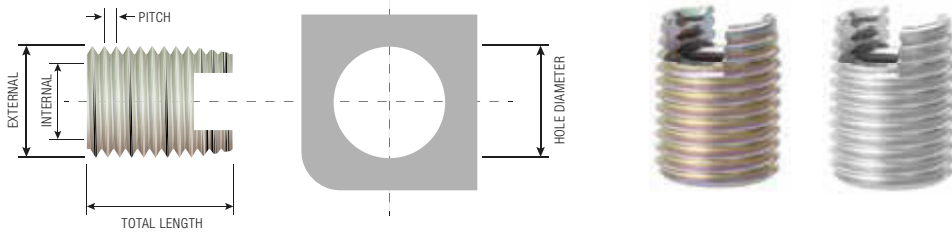
The receiving hole is drilled or pre-cast in the parent material. Generally there is no requirement to countersink the hole but it is recommended care is taken not to warp the workpiece surface when installing the insert. Tapserts must be installed at least 0.1-0.2mm below the assembly surface.

- 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	Rm > 350		
				< 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

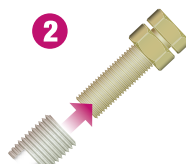
DRILL HOLE DIAMETER

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.

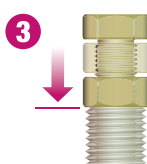
INSTALLATION



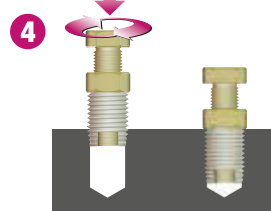
1 Drill hole to recommended size as shown in the selection table.



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.



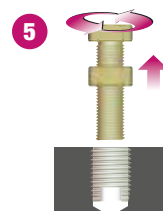
3 Thread the nut down the bolt until it sits firmly against the top of the Tapsert.



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.

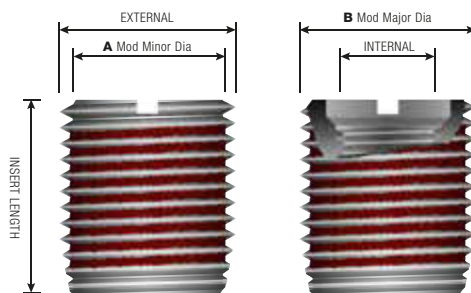
Congratulations – you have successfully created a new thread.



NOTE Tapping fluid should be used to aid installation.



INSERT STYLE
THIN WALL



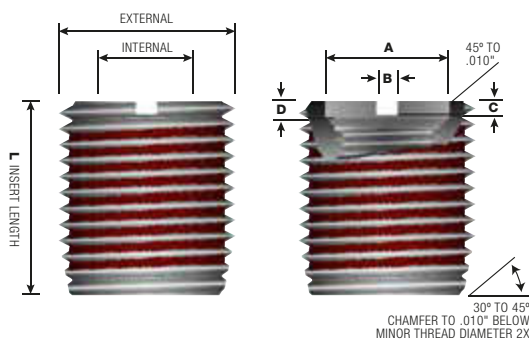
UNC / UNF SERIES

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
3334-5/16TW	5/16-24	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
3334-3/8TW	3/8-24	1/2-13	C12L14 Carbon Steel	0.500	.434 - .438	.494 - .498
3332-7/16TW	7/16-14	9/16-12	C12L14 Carbon Steel	0.560	.497 - .501	.556 - .560
3334-7/16TW	7/16-20	9/16-12	C12L14 Carbon Steel	0.560	.497 - .501	.556 - .560
3332-1/2TW	1/2-13	5/8-11	C12L14 Carbon Steel	0.620	.553 - .557	.619 - .623
3334-1/2TW	1/2-20	5/8-11	C12L14 Carbon Steel	0.620	.553 - .557	.619 - .623

METRIC INTERNAL UNC EXTERNAL SERIES

PART #	INTERNAL THREAD MM 6H	EXTERNAL THREAD INCH 2B	MATERIAL	L INCH	A MOD MINOR DIA. INCH	B MAJOR DIA. INCH
3320-4.00TWF	M4-0.7	5/16-18	C12L14 Carbon Steel	0.312	.251 - .254	.307 - .311
3320-5.00TWF	M5-0.8	5/16-18	C12L14 Carbon Steel	0.312	.251 - .254	.307 - .311
3320-6.00TWF	M6-1.0	3/8-16	C12L14 Carbon Steel	0.375	.314 - .318	.369 - .373
3320-8.00TWF	M8-1.25	7/16-14	C12L14 Carbon Steel	0.437	.377 - .381	.432 - .436
3320-10.00TWF	M10-1.5	1/2-13	C12L14 Carbon Steel	0.500	.434 - .438	.494 - .498
3320-12.00TWF	M12-1.75	5/8-11	C12L14 Carbon Steel	0.625	.553 - .557	.619 - .623

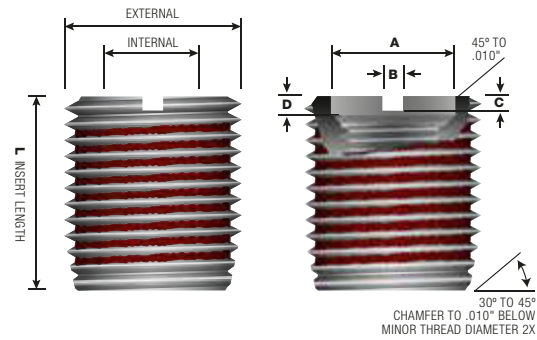
INSERT STYLE
THIN WALL



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
3320-20.00TWM	M20-2.5	M36-4.0	C12L14 Carbon Steel	30.0	20.50	3.35	3.35	3.56

INSERT STYLE
THIN WALL



METRIC SERIES

PART #	INTERNAL THREAD MM 6H	EXTERNAL THREAD MM 6G	MATERIAL	L MM	A MM	B MM	C MM	D MM
3320-3.00HWMSS	M3-0.5	M6-1.0	303 Stainless Steel	6.5	3.25	1.14	1.57	1.91
3320-4.00HWMSS	M4-0.7	M8-1.25	303 Stainless Steel	7.5	4.32	1.65	1.65	1.91
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
3320-16.00HWMSS	M16-2.0	M24-3.0	303 Stainless Steel	20.0	16.66	3.35	3.18	3.30

INSERT STYLE
HEAVY WALL

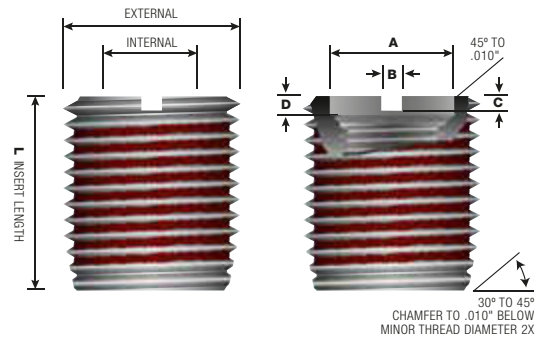


UNC / UNF SERIES

PART #	INTERNAL THREAD INCH 2B	EXTERNAL THREAD INCH 2B	MATERIAL	L INCH	A INCH	B INCH	C INCH	D INCH
3332-4GHW	4-40	10-32	C12L14 Carbon Steel	0.250	0.122	0.064	0.062	0.065
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
3334-5/16HW	5/16-24	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
3334-3/8HW	3/8-24	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
3334-7/16HW	7/16-24	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
3334-1/2HW	1/2-20	3/4-10	C12L14 Carbon Steel	0.656	0.510	0.130	0.110	0.115
3332-9/16HW	9/16-12	3/4-10	C12L14 Carbon Steel	0.656	0.578	0.130	0.110	0.115
3334-9/16HW	9/16-18	3/4-10	C12L14 Carbon Steel	0.656	0.578	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
3334-5/8HW	5/8-18	7/8-9	C12L14 Carbon Steel	0.687	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
3334-3/4HW	3/4-16	1-8	C12L14 Carbon Steel	0.781	0.765	0.130	0.125	0.130
3332-7/8HW	7/8-9	1.1/4-7	C12L14 Carbon Steel	1.125	0.890	0.130	0.135	0.130
3334-7/8HW	7/8-14	1.1/4-7	C12L14 Carbon Steel	1.125	0.890	0.130	0.135	0.130
3332-1HW	1-8	1.3/8-12	C12L14 Carbon Steel	1.250	1.020	0.130	0.135	0.140
3334-1HW	1-14	1.3/8-12	C12L14 Carbon Steel	1.250	1.020	0.130	0.135	0.140



**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
3332-4GHWSS	4-40	10-32	303 Stainless Steel	0.250	0.122	0.064	0.602	0.065
3332-6GHWSS	6-32	1/4-20	303 Stainless Steel	0.280	0.148	0.064	0.062	0.070
3332-8GHWSS	8-32	5/16-18	303 Stainless Steel	0.290	0.177	0.064	0.062	0.075
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
3334-1/4HWSS	1/4-28	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
3334-5/16HWSS	5/16-24	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
3334-3/8HWSS	3/8-24	9/16-12	303 Stainless Steel	0.515	0.386	0.091	0.085	0.095
3332-7/16HWSS	7/16-14	5/8-11	303 Stainless Steel	0.656	0.447	0.130	0.110	0.115
3334-7/16HWSS	7/16-20	5/8-11	303 Stainless Steel	0.656	0.447	0.130	0.110	0.115
3332-1/2HWSS	1/2-13	3/4-10	303 Stainless Steel	0.656	0.510	0.130	0.110	0.115
3334-1/2HWSS	1/2-20	3/4-10	303 Stainless Steel	0.656	0.510	0.130	0.110	0.115
3332-5/8HWSS	5/8-11	7/8-9	303 Stainless Steel	0.687	0.640	0.130	0.125	0.130
3332-3/4HWSS	3/4-10	1-8	303 Stainless Steel	0.781	0.765	0.130	0.125	0.130



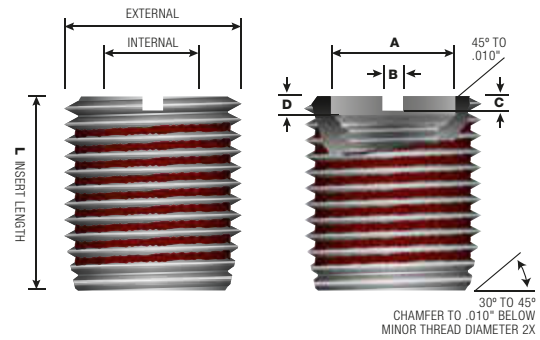
UNC INTERNAL METRIC EXTERNAL SERIES

PART #	INTERNAL THREAD INCH 2B	EXTERNAL THREAD MM 6G	MATERIAL	L INCH	A INCH	B INCH	C INCH	D INCH
3332-6GHWM	6-32	M6-1.0	C12L14 Carbon Steel	0.256	0.148	0.064	0.062	0.070
3332-8GHWM	8-32	M8-1.25	C12L14 Carbon Steel	0.295	0.177	0.064	0.062	0.075
3332-10GHWM	10-24	M8-1.25	C12L14 Carbon Steel	0.295	0.201	0.064	0.070	0.080
3334-10GHWM	10-32	M8-1.25	C12L14 Carbon Steel	0.295	0.201	0.064	0.070	0.080
3332-1/4HWM	1/4-20	M10-1.5	C12L14 Carbon Steel	0.413	0.261	0.072	0.075	0.085
3332-5/16HWM	5/16-18	M12-1.75	C12L14 Carbon Steel	0.492	0.323	0.081	0.080	0.090
3332-3/8HWM	3/8-16	M16-2.0	C12L14 Carbon Steel	0.669	0.386	0.091	0.085	0.095
3332-1/2HWM	1/2-13	M16-2.0	C12L14 Carbon Steel	0.669	0.510	0.130	0.110	0.115

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
3320-14.00HWF	M14-2.0	7/8-9	C12L14 Carbon Steel	0.687	0.640	0.130	0.125	0.130
3320-16.00HWF	M16-2.0	1-8	C12L14 Carbon Steel	0.781	0.640	0.130	0.125	0.130

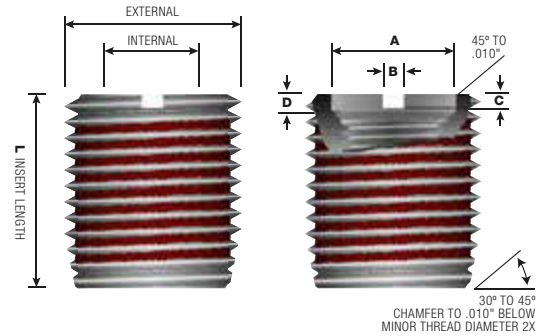
INSERT STYLE
HEAVY WALL



METRIC INTERNAL UNC EXTERNAL SERIES

PART #	INTERNAL THREAD MM 6H	EXTERNAL THREAD INCH 2B	MATERIAL	L MM	A MM	B MM	C MM	D MM
3320-6.00HWSSF	M6-1.0	3/8-16	303 Stainless Steel	0.406	0.246	0.064	0.070	0.085
3320-8.00HWSSF	M8-1.25	1/2-13	303 Stainless Steel	0.484	0.323	0.081	0.080	0.090
3320-10.00HWSSF	M10-1.5	9/16-12	303 Stainless Steel	0.515	0.403	0.091	0.085	0.095
3321-10.00HWSSF	M10-1.25	9/16-12	303 Stainless Steel	0.515	0.403	0.091	0.085	0.095
3320-12.00HWSSF	M12-1.75	3/4-10	303 Stainless Steel	0.656	0.482	0.130	0.110	0.115
3320-14.00HWSSF	M14-2.0	7/8-9	303 Stainless Steel	0.687	0.640	0.130	0.125	0.130
3320-16.00HWSSF	M16-2.0	1-8	303 Stainless Steel	0.781	0.640	0.130	0.125	0.130

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
3332-5/8XHW	5/8-11	1-8	C12L14 Carbon Steel	0.781	0.760	0.130	0.125	0.130



A close-up photograph of a wire thread insert system. The background is a light-colored metal surface with a large, partially inserted silver-colored wire thread insert. In the foreground, a blue metal plate features several circular holes, each containing a similar wire thread insert. The lighting is dramatic, with a strong blue tint in the lower half of the image. The text 'powercoil®' is written in red and blue, with 'power' in red and 'coil' in blue. Below it, 'wire thread insert system' is written in blue.

powercoil[®]
wire thread insert system

powercoil[®]

wire thread insert system

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