



CERTIFIED
PRODUCTS INC.



Threaded Inserts & Tools

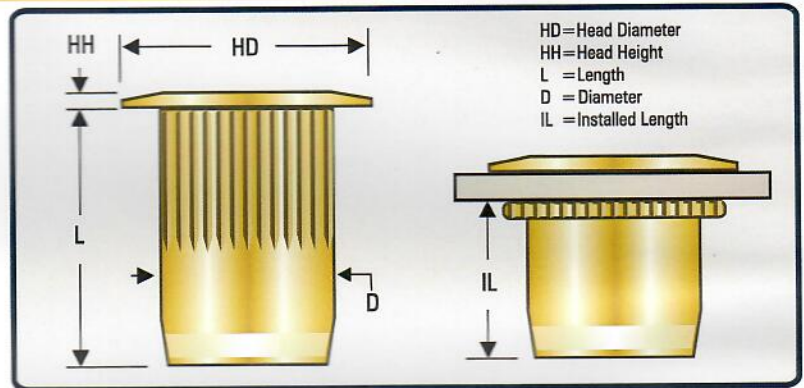


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Large Head - Rivet Nuts

Large Head threaded steel* inserts feature a round serrated body and a large diameter, low profile head ideal for drilled or punched holes. It offers the highest strength characteristics. Available in both Inch and Metric sizes.



UNIFIED THREAD SIZES (inch)		Steel 1010/1008 with Yellow Trivalent Zinc Plating-RoHS Compliant						
Thread Size	Part Number	Grip Range	Hole Size	HD (±.010)	HH (±.002)	L (±.010)	D. Max	IL Max
6-32 UNC	ALFST-632-80	.020-.080	17/64 (.2656)	.390	.030	.420	.265	.305
6-32 UNC	ALFST-632-130	.080-.130	17/64 (.2656)	.390	.030	.470	.265	.305
8-32 UNC	ALFST-832-80	.020-.080	17/64 (.2656)	.390	.030	.420	.265	.305
8-32 UNC	ALFST-832-130	.080-.130	17/64 (.2656)	.390	.030	.470	.265	.305
10-24 UNC	ALFST-1024-130	.020-.130	19/64 (.2969)	.415	.030	.475	.296	.315
10-24 UNC	ALFST-1024-225	.130-.225	19/64 (.2969)	.415	.030	.585	.296	.315
10-32 UNF	ALFST-1032-130	.020-.130	19/64 (.2969)	.415	.030	.475	.296	.315
10-32 UNF	ALFST-1032-225	.130-.225	19/64 (.2969)	.415	.030	.585	.296	.315
1/4-20 UNC	ALFST-420-165	.027-.165	25/64 (.3906)	.500	.030	.580	.390	.380
1/4-20 UNC	ALFST-420-260	.165-.260	25/64 (.3906)	.500	.030	.680	.390	.380
5/16-18 UNC	ALFST-518-150	.027-.150	17/32 (.5312)	.685	.035	.690	.530	.470
5/16-18 UNC	ALFST-518-312	.150-.312	17/32 (.5312)	.685	.035	.805	.530	.425
3/8-16 UNC	ALFST-616-150	.027-.150	17/32 (.5312)	.685	.035	.690	.530	.470
3/8-16 UNC	ALFST-616-312	.150-.312	17/32 (.5312)	.685	.035	.805	.530	.425
3/8-24 UNF	ALFST-624-150	.027-.150	17/32 (.5312)	.685	.035	.690	.530	.470
3/8-24 UNF	ALFST-624-312	.150-.312	17/32 (.5312)	.685	.035	.805	.530	.425
1/2-13 UNC	ALFST-813-200	.063-.200	11/16 (.6875)	.865	.042	1.150	.685	.850
1/2-13 UNF	ALFST-813-350	.200-.350	11/16 (.6875)	.865	.042	1.300	.685	.850

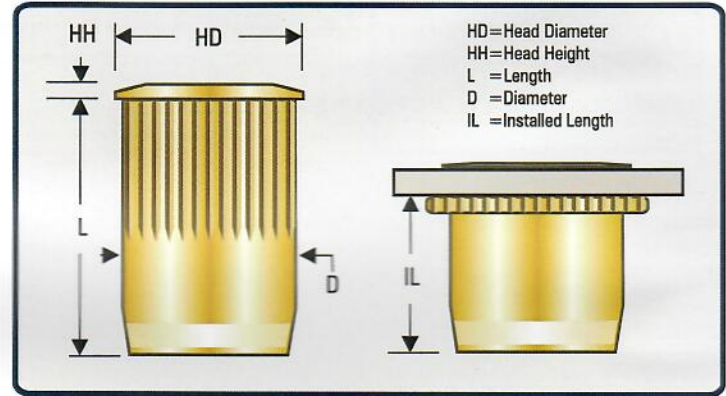
METRIC THREAD SIZES (mm)		Steel 1010/1008 with Yellow Trivalent Zinc Plating-RoHS Compliant						
Thread Size	Part Number	Grip Range	Hole Size	HD(±.025)	HH(±.005)	L(±.025)	D. Max	IL Max
M4 x 0,70 ISO	ALFST-470-2,0	0,50-2,00	6,75	9,91	0,76	10,67	6,73	7,75
M4 x 0,70 ISO	ALFST-470-3,3	2,00-3,30	6,75	9,91	0,76	11,94	6,73	7,75
M5 x 0,8 ISO	ALFST-580-3,3	0,50-3,30	7,60	10,54	0,76	12,07	7,52	8,00
M5 x 0,8 ISO	ALFST-580-5,7	3,30-5,70	7,60	10,54	0,76	14,86	7,52	8,00
M6 x 1,0 ISO	ALFST-610-4,2	0,70-4,20	10,00	12,70	0,76	14,73	9,91	9,65
M6 x 1,0 ISO	ALFST-610-6,6	4,20-6,60	10,00	12,70	0,76	17,27	9,91	9,65
M8 x 1,25 ISO	ALFST-8125-3,8	0,70-3,80	13,50	17,40	0,89	17,53	13,46	11,94
M8 x 1,25 ISO	ALFST-8125-7,9	3,80-7,90	13,50	17,40	0,89	20,45	13,46	10,80
M10 x 1,5 ISO	ALFST-1015-3,8	0,70-3,80	13,50	17,40	0,89	17,53	13,46	11,94
M10 x 1,5 ISO	ALFST-1015-7,9	3,80-7,90	13,50	17,40	0,89	20,45	13,46	10,80

*Steel 1010/1008 with Yellow Trivalent Zinc Plating-RoHS Compliant-96 hour White Rust Salt Spray Test, 120 hour Red Rust Salt Spray Test
Aluminum, brass, stainless steel, close end, and specialty threaded insert types available through special order



Small Head - Rivet Nuts

Small Head threaded steel* inserts feature a round serrated body and a low profile head ideal for applications requiring a near flush finish. Available in both Inch and Metric sizes.



UNIFIED THREAD SIZES (inch)

Thread Size	Part Number	Grip Range	Hole Size	HD (±.010)	HH (±.002)	L (±.010)	D. Max	IL Max
6-32 UNC	AKFST-632-80	.020-.080	17/64 (.2656)	.310	.019	.420	.265	.305
6-32 UNC	AKFST-632-130	.080-.130	17/64 (.2656)	.310	.019	.470	.265	.305
8-32 UNC	AKFST-832-80	.020-.080	17/64 (.2656)	.310	.019	.420	.265	.305
8-32 UNC	AKFST-832-130	.080-.130	17/64 (.2656)	.310	.019	.470	.265	.305
10-24 UNC	AKFST-1024-130	.020-.130	19/64 (.2969)	.340	.019	.475	.296	.315
10-24 UNC	AKFST-1024-225	.130-.225	19/64 (.2969)	.340	.019	.585	.296	.315
10-32 UNF	AKFST-1032-130	.020-.130	19/64 (.2969)	.340	.019	.475	.296	.315
10-32 UNF	AKFST-1032-225	.130-.225	19/64 (.2969)	.340	.019	.585	.296	.315
1/4-20 UNC	AKFST-420-165	.027-.165	25/64 (.3906)	.455	.022	.580	.390	.380
1/4-20 UNC	AKFST-420-260	.165-.260	25/64 (.3906)	.455	.022	.680	.390	.380
5/16-18 UNC	AKFST-516-150	.027-.150	17/32 (.5312)	.595	.022	.690	.530	.470
5/16-18 UNC	AKFST-516-312	.150-.312	17/32 (.5312)	.595	.022	.805	.530	.425
3/8-16 UNC	AKFST-616-150	.027-.150	17/32 (.5312)	.595	.022	.690	.530	.470
3/8-16 UNC	AKFST-616-312	.150-.312	17/32 (.5312)	.595	.022	.805	.530	.425

METRIC THREAD SIZES (mm)

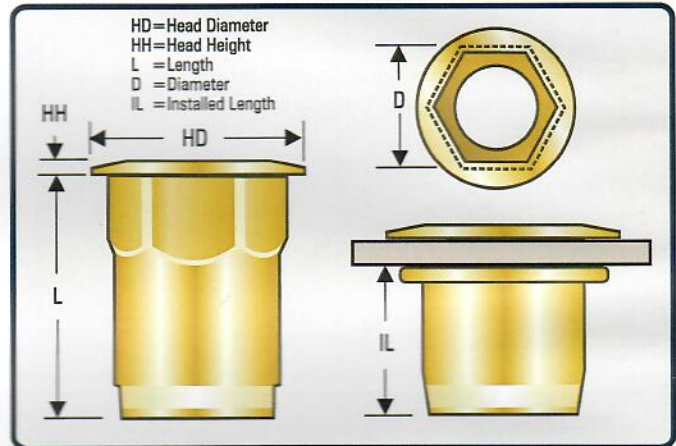
Thread Size	Part Number	Grip Range	Hole Size	HD(±.025)	HH(±.005)	L(±.025)	D. Max	IL Max
M4 x 0,70 ISO	AKFST-470-2,0	0,50-2,00	6,75	7,87	0,48	10,67	6,73	7,75
M4 x 0,70 ISO	AKFST-470-3,3	2,00-3,30	6,75	7,87	0,48	11,94	6,73	7,75
M5 x 0,8 ISO	AKFST-580-3,3	0,50-3,30	7,60	8,64	0,48	12,07	7,52	8,00
M5 x 0,8 ISO	AKFST-580-3,3	3,30-5,70	7,60	8,64	0,48	14,86	7,52	8,00
M6 x 1,0 ISO	AKFST-610-4,2	0,70-4,20	10,00	11,56	0,55	14,73	9,91	9,65
M6 x 1,0 ISO	AKFST-610-6,6	4,20-6,60	10,00	11,56	0,55	17,27	9,91	9,65
M8 x 1,25 ISO	AKFST-8125-3,8	0,70-3,80	13,50	15,11	0,55	17,53	13,46	11,94
M8 x 1,25 ISO	AKFST-8125-7,9	3,80-7,90	13,50	15,11	0,55	20,45	13,46	10,80
M10 x 1,5 ISO	AKFST-1015-3,8	0,70-3,80	13,50	15,11	0,55	17,53	13,46	11,94
M10 x 1,5 ISO	AKFST-1015-7,9	3,80-7,90	13,50	15,11	0,55	20,45	13,46	10,80

*Steel 1010/1008 with Yellow Trivalent Zinc Plating-RoHS Compliant-96 hour White Rust Salt Spray Test, 120 hour Red Rust Salt Spray Test
Aluminum, brass, stainless steel, close end, and specialty threaded insert types available through special order



Hex Body

Hex Body steel* inserts feature a radius corner hex body. Installed into a hex hole it offers exceptional torque strength and vibration resistance. Available in both Inch and Metric sizes.



UNIFIED THREAD SIZES (inch)		Steel 1010/1008 with Yellow Trivalent Zinc Plating-RoHS Compliant						
Thread Size	Part Number	Grip Range	Hole Size	HD(±.010)	HH(±.002)	L(±.010)	D. Max	IL Max
6-32 UNC	AHFST-632-80	.020-.080	.250	.375	.027	.385	.249	.295
6-32 UNC	AHFST-632-130	.080-.130	.250	.375	.027	.435	.249	.295
8-32 UNC	AHFST-832-80	.020-.080	.250	.375	.027	.385	.249	.295
8-32 UNC	AHFST-832-130	.080-.130	.250	.375	.027	.435	.249	.295
10-24 UNC	AHFST-1024-130	.020-.130	.281	.390	.027	.435	.280	.275
10-24 UNC	AHFST-1024-225	.130-.225	.281	.390	.027	.535	.280	.275
10-32 UNF	AHFST-1032-130	.020-.130	.281	.390	.027	.435	.280	.275
10-32 UNF	AHFST-1032-225	.130-.225	.281	.390	.027	.535	.280	.275
1/4-20 UNC	AHFST-420-165	.027-.165	.375	.510	.030	.585	.374	.440
1/4-20 UNC	AHFST-420-260	.165-.260	.375	.510	.030	.685	.374	.440
5/16-18 UNC	AHFST-516-150	.027-.150	.500	.655	.035	.685	.499	.530
5/16-18 UNC	AHFST-516-312	.150-.312	.500	.655	.035	.845	.499	.515
3/8-16 UNC	AHFST-616-150	.027-.150	.500	.655	.035	.685	.499	.530
3/8-16 UNC	AHFST-616-312	.150-.312	.500	.655	.035	.845	.499	.515

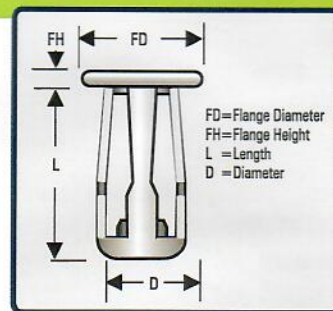
METRIC THREAD SIZES (mm)		Steel 1010/1008 with Yellow Trivalent Zinc Plating-RoHS Compliant						
Thread Size	Part Number	Grip Range	Hole Size	HD(±.025)	HH(±.005)	L(±.025)	D. Max	IL Max
M4 x 0,70 ISO	AHFST-470-2,0	0,50-2,00	6,35	9,53	0,68	9,78	6,35	7,49
M4 x 0,70 ISO	AHFST-470-3,3	2,00-3,30	6,35	9,53	0,68	11,05	6,35	7,49
M5 x 0,8 ISO	AHFST-580-3,3	0,50-3,30	7,14	9,91	0,68	11,05	7,10	6,99
M5 x 0,8 ISO	AHFST-580-5,7	3,30-5,70	7,14	9,91	0,68	13,59	7,10	6,99
M6 x 1,0 ISO	AHFST-610-4,2	0,70-4,20	9,53	12,96	0,76	14,86	9,50	10,16
M6 x 1,0 ISO	AHFST-610-6,6	4,20-6,60	9,53	12,96	0,76	17,40	9,50	10,16
M8 x 1,25 ISO	AHFST-8125-3,8	0,70-3,80	12,70	16,64	0,89	17,40	12,70	13,46
M8 x 1,25 ISO	AHFST-8125-7,9	3,80-7,90	12,70	16,64	0,89	21,46	12,70	13,08
M10 x 1,5 ISO	AHFST-1015-3,8	0,70-3,80	12,70	16,64	0,89	17,40	12,70	13,46
M10 x 1,5 ISO	AHFST-1015-7,9	3,80-7,90	12,70	16,64	0,89	21,46	12,70	13,08

*Steel 1010/1008 with Yellow Trivalent Zinc Plating-RoHS Compliant-96 hour White Rust Salt Spray Test, 120 hour Red Rust Salt Spray Test
Aluminum, brass, stainless steel, close end, and specialty threaded insert types available through special order



Jack Inserts

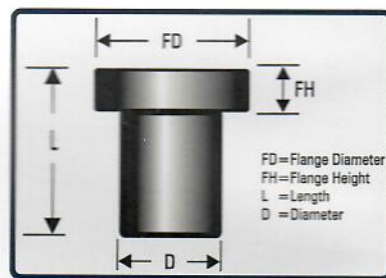
Blind insert similar to a wall anchor. Available in thread sizes: 6-32, 10-24 and 1/4-20 with two grip lengths offered per thread size. They are great for placing threads into materials like soft plastics and brittle materials which otherwise could not be threaded. Steel zinc plated finish.



UNIFIED THREAD SIZES (inch)		Min-Max Grip Range	Hole Size	D. Nom	FD. Nom	L. Nom	FH. Nom
Thread Size	Part Number						
6-32 UNC	CPI4SJN	.015-.187	.318-.330	.318	.468	.653	.073
6-32 UNC	CPI4LJN	.187-.375	.318-.330	.318	.468	.841	.073
10-24 UNC	CPI6SJN	.015-.187	.382-.400	.382	.531	.716	.073
10-24 UNC	CPI6LJN	.187-.375	.382-.400	.382	.531	.888	.073
1/4-20 UNC	CPI8SJN	.015-.187	.438-.450	.438	.625	.731	.073
1/4-20 UNC	CPI8LJN	.187-.375	.438-.450	.438	.625	.919	.073

Neoprene Inserts

Blind threaded fastener that has a brass threaded insert molded into a neoprene bushing. Made of synthetic rubber and resistant to most chemicals, oils, and weather conditions. You can install this insert into through holes or blind holes without tools of any kind. This fastener makes the joint waterproof, isolates vibration and is electrically insulated.



UNIFIED THREAD SIZES (inch)		Min-Max Grip	Hole Size (+.000 / -.006)	D. Nom (+.000 / -.006)	FD. Nom (+/- .006)	L. Nom (+/- .006)	FH. Nom (+/- .006)
Thread Size	Part Number						
6-32	RTI-06-0607	0.375-0.607	.250	.240	.554	.981	.035
6-32	RTI-06-0156	0.015-0.156	.312	.312	.452	.499	.062
8-32	RTI-08-0156	0.015-0.156	.312	.312	.438	.499	.052
8-32	RTI-08-0172	0.015-0.172	.312	.312	.750	.560	.060
8-32	RTI-08-0050	0.015-0.050	.312	.310	.500	.430	.050
10-24	RTI-10-0227	0.030-0.227	.375	.375	.562	.767	.187
10-32	RTI-11-0192	0.015-0.192	.375	.375	.500	.554	.036
10-32	RTI-11-0643	0.312-0.643	.375	.375	.562	1.051	.051
10-32	RTI-11-1143	0.812-1.143	.375	.375	.562	1.551	.051
10-32	RTI-11-0227X	0.030-0.227X	.375	.375	.750	.807	.187
10-32	RTI-11-0450	0.312-0.450	.375	.375	.554	.847	.035
10-32	RTI-11-0227	0.030-0.227	.375	.375	.750	.700	.080
10-32	RTI-11-0232	0.035-0.232	.375	.375	.562	.665	.040
1/4-20	RTI-14-0111	0.015-0.111	.500	.500	.630	.630	.051
1/4-20	RTI-14-0187	0.031-0.187	.500	.500	.750	.829	.187
1/4-20	RTI-14-0457	0.250-0.457	.500	.500	.635	1.051	.051
5/16-18	RTI-31-0156	0.015-0.156	.625	.620	.875	.725	.125
5/16-18	RTI-31-0375	0.156-0.375	.625	.620	.875	1.100	.225
3/8-16	RTI-37-0437	0.015-0.437	.750	.750	1.250	1.062	.187



JNT101 Jack Insert Tool



Allows setting of threaded inserts by using a screwdriver. Sets all three sizes of Jack Inserts. Small hole side applies the CPI4SJN and CPI6SJN. The large hole side applies the CPI8SJN and CPI8LJN. Use for low volume applications. **Instructions:** Place Jack Insert into hole and set JNT101 Jack Insert Tool with knurls down over the head of the insert. Insert screw through the tool and into the Jack Insert. While holding the Jack Insert tool start screwing in screw. The Jack Insert tool prevent the insert from spinning. Once screw is tight, remove screw and insert tool.



JNT250 Jack Insert Tool



Manual operation Jack Insert Tool that sets all three sizes of Jack Inserts. Use standard pan head screw for mandrels (not included). **Instructions:** Screw pan head screw into the Jack Insert and leave approximately 1/4" from the head of the insert. Slide the head of the screw into the JNT250 Jack Insert Tool. Place insert into hole. Continuously squeeze trigger until insert is set. Once set, press release button.



T-Series Expendable Insert Tools



These threaded insert manual tools are ideal for low volume applications or field repairs.

Instructions: Thread the insert fully onto the screw. Place insert into pre-drilled hole. Hold the nut with a wrench and turn allen screw or hex head screw to threaded insert. Inserts

Thread sizes 6-32 thru 10-32, use allen head screw (allen wrench included).

- T-632 Kit
- T-832 Kit
- T-1024 Kit
- T-1032 Kit



Thread sizes 1/4-20 thru 3/8-16 use a hex head screw (installation tools not included).

- T-1/4-20 Kit
- T-5/16-18 Kit
- T-3/8-16 Kit



8510 CPI Insert Tool



Applies threaded inserts into thin metal, plastic or fiberglass. Insert tool comes with 5 threaded mandrels and nose pieces to set the following thread sizes: 6-32, 8-32, 10-24, 10-32, 1/4-20.

Instructions: Drill hole into material. Screw threaded insert on tool. Squeeze handle until insert is set. Turn knob counterclockwise until released. Inserts sold separately.





700Kit Manual Spin-On /Spin-Off Insert Tool



A heavy duty insert tool for installing threaded inserts into thin metal, plastic or fiberglass. This tool has a spin-on /spin-off feature which quickly loads and spins off set threaded inserts. Stroke restricting ring limits stroke distance. Includes 5 threaded mandrels and nose pieces to set the following thread sizes: 10-24, 10-32, 1/4-20, 5/16-18, 3/8-16. Following metric sizes sold separately: M5, M6, M8, M10. Inserts sold separately. Weight: 3.55 Lbs. Storage case included.

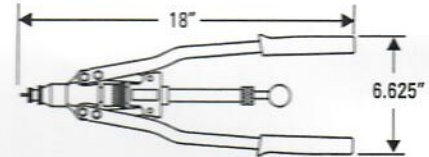
Installation Instructions: Pull back on center knob then push in to thread the insert onto mandrel. Set insert and pull knob to spin-out set insert.



Push knob forward to screw on insert



Pull knob back to unscrew insert



800 Series Spin-Spin Threaded Insert Tool



Air Pneumatic Threaded Insert Tool installs threaded inserts. Lightweight ergonomic design with outstanding dependability. The rocker style forward and reverse trigger allows for fast insert setting. Three models available for different thread sizes. Weight: 2.6 Lbs.

LG-801

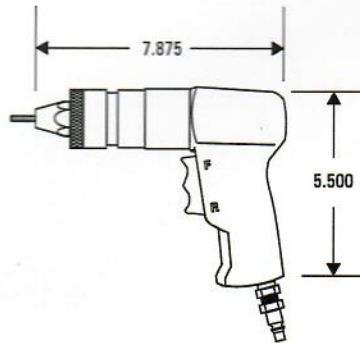
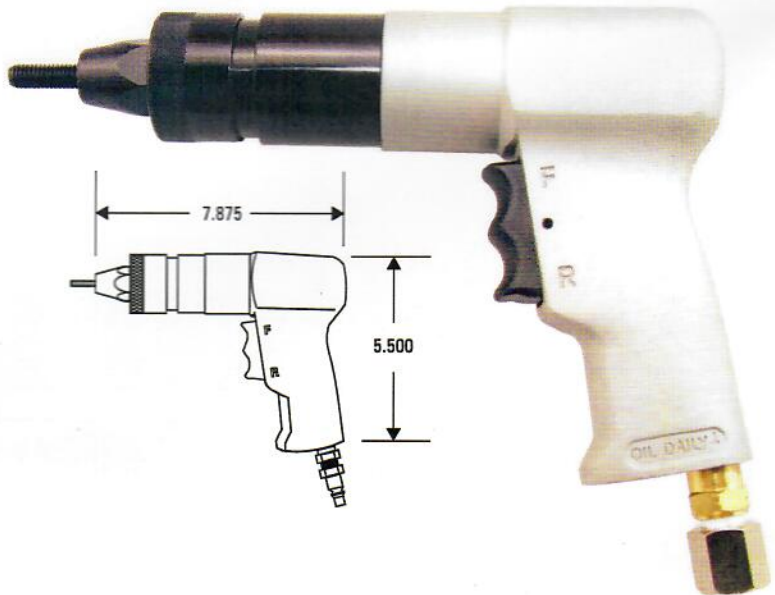
- Includes head sets for 6-32 & 8-32 inserts
- 3000 RPM
- Range: 75 to 90 PSI
(Metric M3, M4 head sets also available)

LG-802

- Includes head sets for 10-32 & 1/4-20 inserts
- 1500 RPM
- Range: 85 to 100 PSI
(10-24, 1/4-28, M5, M6 head sets also available)

LG-804

- Includes head sets for 5/16-18 & 3/8-16 inserts
- 400 RPM
- Range: 95 to 100 PSI
(5/16-24, 3/8-24, M8, M10 head sets also available)





**CERTIFIED
PRODUCTS INC.**

Threaded Insert Tool

CPI900 Automatic Spin-Pull Threaded Insert Tool



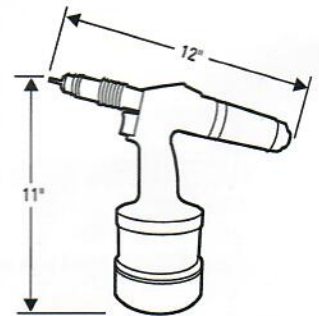
This automatic threaded insert tool features a SPIN-PULL-SPIN setting sequence. Push the mandrel and the fastener quickly spins on, pull the trigger to set the fastener, and with a pull back, spins out of the fastener. Setting cycle is about 2 seconds. This means less thread deformation. The CPI900 has a fully adjustable stroke for accurate insert placements, which requires less operator skill. Stroke adjustment is quick and easy, and is done from exterior of the tool.

Features:

- Sets: 10-24, 10-32, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, M5, M6, M8, M10
- Long Lasting Seals

Specifications:

Weight: 5.5 lbs.
 Stroke: .354" (9mm)
 Air Pressure: 75 to 100 PSI
 Motor Speed: On/Off: 2000 rpm
 Pull Force: 6,564 lbs @ 72.5 PSI



Storage Case Included



Pressure Regulation System



**CERTIFIED
PRODUCTS INC.**

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