

TIME-SERT®

PROFESSIONAL THREAD REPAIR SYSTEM SCREW THREAD INSERTS AMERICAN & METRIC SIZES

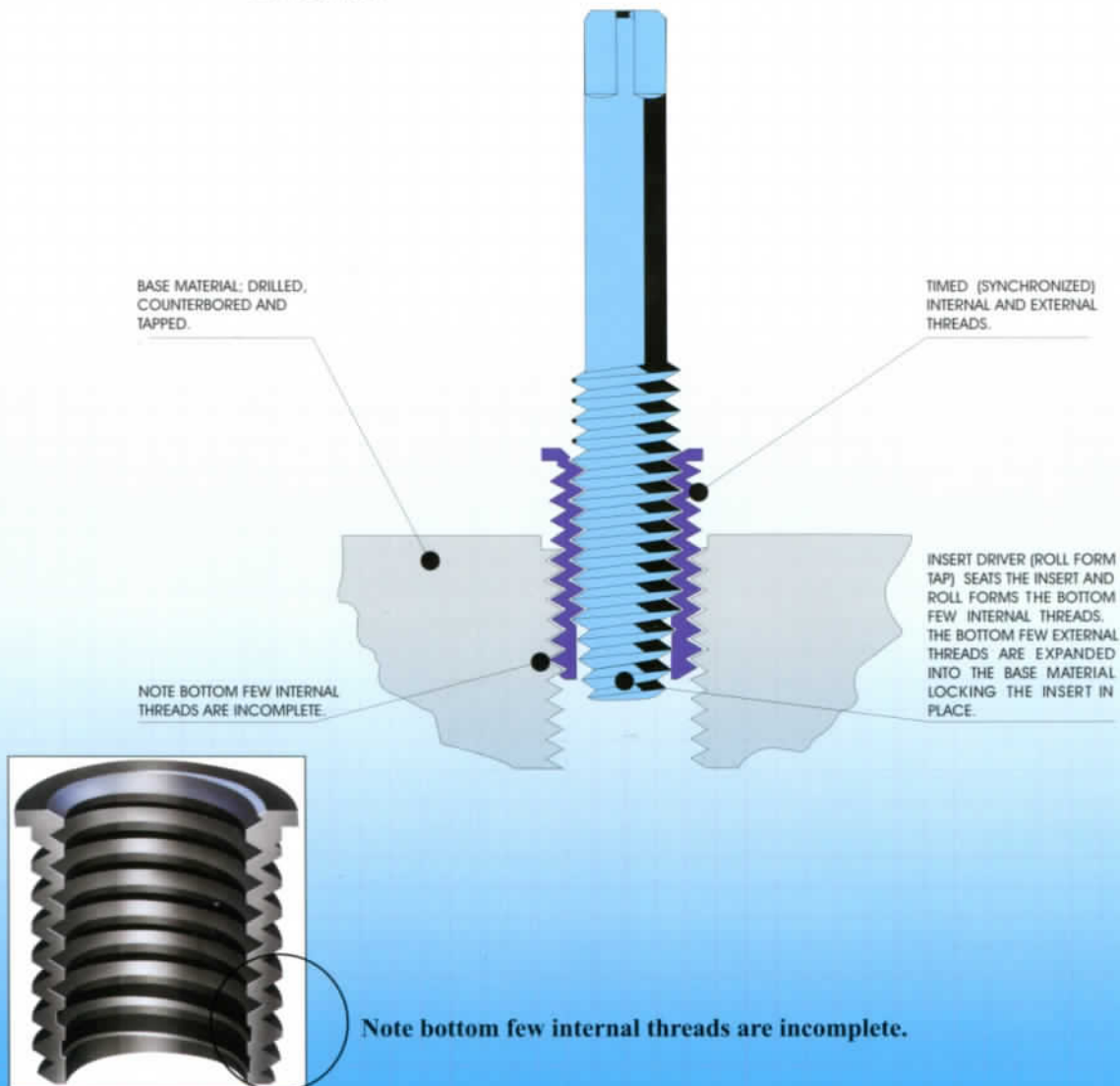
ADVANTAGES WHICH ARE CONVINCING:

TIME-SERT® is a solid bushing insert. This guarantees easy installation and allows for full load use of tapped hole, ensuring protection against stress and vibration.

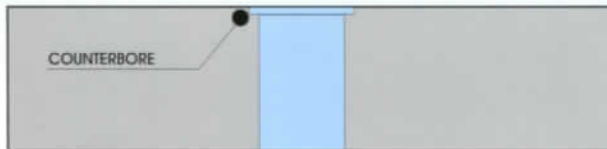
TIME-SERT® is thin walled due to synchronized internal external threads. Thin cross sectional area allows for installation in areas of limited space and clearance material.

TIME-SERT® has **positive placement**. Having a flange on the top of the insert will insure that the insert will have positive placement and cannot wind down into the newly repaired hole.

TIME-SERT® is self locking. On installation the bottom internal threads of the insert are cold rolled to expand the mating external threads into the base material locking the insert in place. Locking mechanism is at the bottom of the insert.



ENGINEERING DATA



Counterbores are flat bottom. We recommend step drills for production applications.

Use of a cutting fluid is recommended for drilling, counterboring and tapping.

Oil must be used on the insert driver.

Tool kits are designed for a suitable tap wrench, or power tools such as: drill press, electric or air hand drills and tappers.

Carbon steel inserts are phosphate coated. Stainless steel inserts are 303 or equivalent.

TAPER PIPE

INSERT	DRILL		C.BORE		TAP
SIZE	DRILL	SIZE	MIN. DIA.	MIN. DEPTH	MAJOR DIA.
1/8-27	13/32	.406	.466	.055	.449
1/4-18	37/64	.578	.668	.075	.638
3/8-18	23/32	.718	.837	.075	.794
1/2-14	55/64	.859	1.000	90° CSK	.942
3/4-14	1 3/32	1.093	1.300	90° CSK	1.194

INCH

INSERT	DRILL		C.BORE		TAP
SIZE	DRILL	SIZE	MIN. DIA.	MIN. DEPTH	MAJOR DIA.
4 - 40	#31	.120	.170	.055	.147
6 - 32	#26	.147	.218	.070	.182
8 - 32	#17	.173	.241	.065	.208
10 - 24	13/64	.203	.288	.075	.247
10 - 32	13/64	.203	.274	.075	.234
12 - 24	#1	.228	.307	.075	.265
1/4 - 20	17/64	.265	.352	.075	.319
1/4 - 28	G	.261	.340	.075	.300
1/4 - 32	G	.261	.340	.075	.287
5/16 - 18	21/64	.328	.430	.085	.388
5/16 - 24	P	.323	.410	.080	.368
3/8 - 16	X	.397	.495	.085	.460
3/8 - 24	W	.386	.473	.080	.432
7/16 - 14	29/64	.453	.571	.110	.534
7/16 - 20	29/64	.453	.547	.085	.506
1/2 - 13	33/64	.515	.648	.110	.604
1/2 - 20	33/64	.515	.610	.085	.569
9/16 - 12	19/32	.593	.711	.130	.675
9/16 - 18	37/64	.578	.668	.110	.638
5/8 - 11	21/32	.656	.787	.135	.748
5/8 - 18	41/64	.640	.740	.110	.701
3/4 - 10	25/32	.781	.935	.135	.885
3/4 - 16	49/64	.765	.870	.110	.835

METRIC

INSERT	DRILL		C.BORE		TAP
SIZE	DRILL	SIZE	MIN. DIA.	MIN. DEPTH	MAJOR DIA.
M3 x 0.5	1/8	.125	.170	.055	.140
M4 x 0.7	# 19	.166	.226	.065	.194
M5 x 0.8	# 8	.199	.279	.075	.238
M6 x 1.0	D	.246	.319	.075	.290
M7 x 1.0	L	.290	.351	.075	.330
M8 x 1.0	P	.323	.409	.080	.369
M8 x 1.25	P	.323	.419	.080	.381
M9 x 1.25	U	.368	.440	.080	.422
M10 x 1.0	13/32	.406	.466	.080	.440
M10 x 1.25	13/32	.406	.500	.085	.463
M10 x 1.5	13/32	.406	.500	.085	.474
M11 x 1.25	29/64	.453	.542	.085	.503
M11 x 1.5	29/64	.453	.552	.085	.516
M12 x 1.25	31/64	.484	.560	.085	.540
M12 x 1.5	31/64	.484	.595	.085	.552
M12 x 1.75	1/2	.500	.605	.110	.567
M13 x 1.5	17/32	.531	.612	.085	.594
M14 x 2.0	37/64	.578	.685	.110	.660
M14 x 1.5	37/64	.578	.668	.110	.634
M16 x 1.5	21/32	.656	.743	.110	.713
M16 x 2.0	21/32	.656	.787	.115	.741
M18 x 1.5	23/32	.718	.837	.125	.794
M20 x 1.5	51/64	.797	.925	.120	.890
M22 x 1.5	7/8	.875	.950	.100	.940
M24 x 1.5	24.5	.963	1.030	.750	1.010

MASTER SETS

EACH SET CONTAINS 5 COMPLETE TOOL KITS AND 20 INSERTS OF EACH SIZE (TOTAL 100 INSERTS)

INCH

METRIC

COARSE	FINE
1/4-20	1/4-28
5/16-18	5/16-24
3/8-16	3/8-24
7/16-14	7/16-20
1/2-13	1/2-20
CARBON STEEL PART NO. 0010	CARBON STEEL PART NO. 0020
STAINLESS STEEL PART NO. 0011	STAINLESS STEEL PART NO. 0021

COARSE	FINE
M5 x 0.8	M5 x 0.8
M6 x 1.0	M6 x 1.0
M8 x 1.25	M8 x 1.25
M10 x 1.5	M10 x 1.25
M12 x 1.75	M12 x 1.5
CARBON STEEL PART NO. 1000	CARBON STEEL PART NO. 1001
STAINLESS STEEL PART NO. 1002	STAINLESS STEEL PART NO. 1003

MINI MASTER

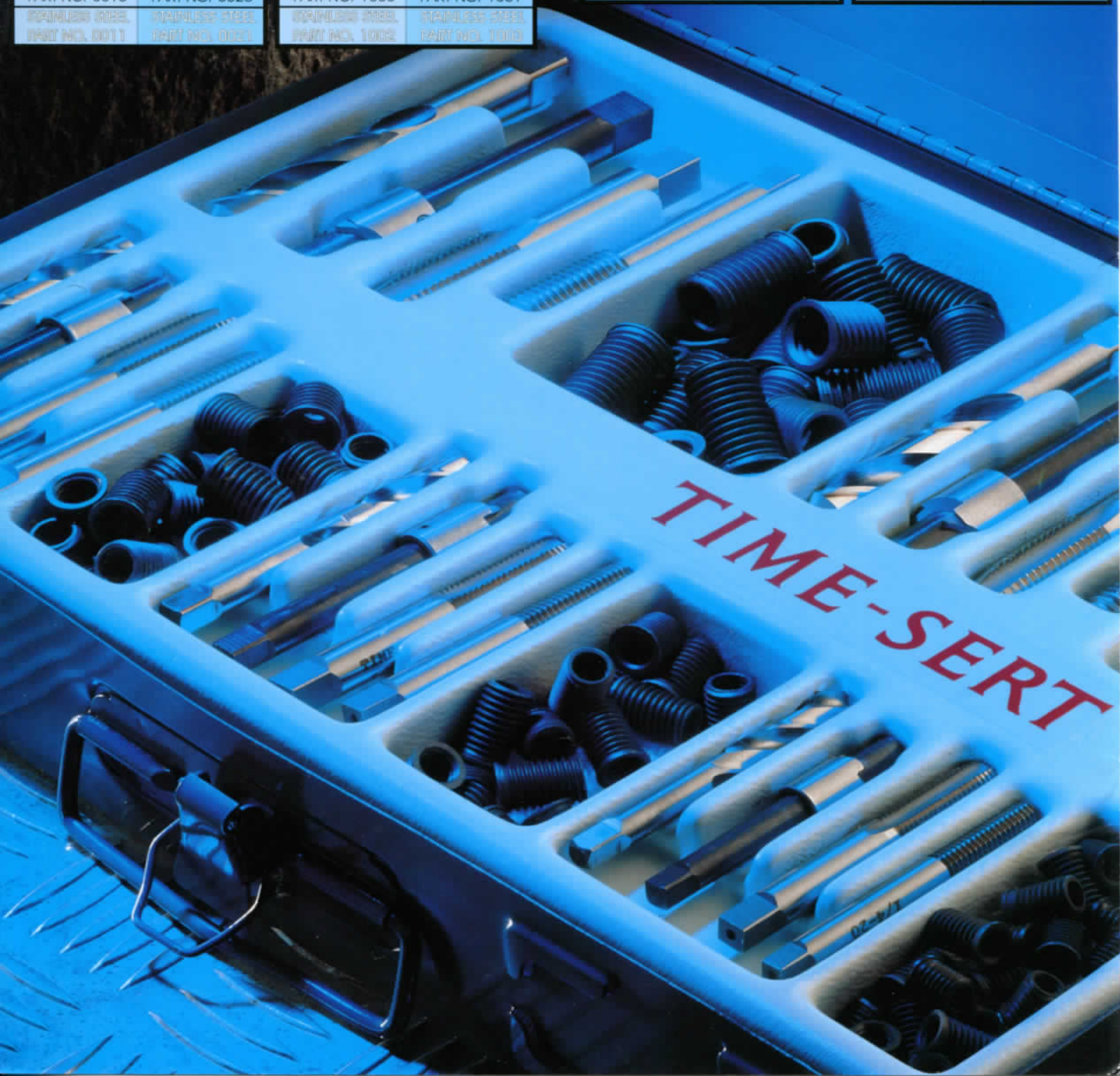
EACH SET CONTAINS 3 COMPLETE TOOL KITS AND 20 INSERTS OF EACH SIZE (TOTAL 60 INSERTS)

INCH

METRIC

COARSE	FINE
1/4-20	1/4-28
5/16-18	5/16-24
3/8-16	3/8-24
CARBON STEEL PART NO. 1203	CARBON STEEL PART NO. 1204
STAINLESS STEEL PART NO. 1205	STAINLESS STEEL PART NO. 1206

COARSE	FINE
M6 x 1.0	M6 x 1.0
M8 x 1.25	M8 x 1.25
M10 x 1.5	M10 x 1.25
CARBON STEEL PART NO. 1201	CARBON STEEL PART NO. 1202
STAINLESS STEEL PART NO. 1207	STAINLESS STEEL PART NO. 1208



METRIC THREAD REPAIR KITS AND INSERTS

KIT CONTENTS

Drill Counterbore
Cutting tap Insert driver
Five (5) steel inserts



Bold text are insert lengths supplied in kits

METRIC KITS		INSERT LENGTH		INSERTS	
SIZE	PART NO.	MM	INCHES	CARBON STEEL PART NO.	STAINLESS STEEL PART NO.
M3x0.5	1305	4.3	.169	13051	13052
		6.0	.240	13053	13054
M4x0.7	1407	4.0	.157	14077	—
		6.0	.240	14071	14072
M5x0.8	1508	8.0	.320	14073	14074
		7.6	.300	15081	15082
M6x1.0	1610	10.0	.400	15083	15084
		12.0	.470	15085	—
M6x1.0	1610	8.0	.315	16105	16106
		9.4	.370	16101	16102
M7x1.0	1710	12.0	.470	16103	16104
		17.0	.669	16107	—
M8x1.0	1810	19.0	.748	16109	—
		10.0	.400	17101	—
M7x1.0	1710	14.0	.550	17103	—
		18.0	.708	17105	—
M8x1.0	1810	20.0	.800	17107	—
		7.5	.295	18100	—
M8x1.0	1810	11.7	.460	18101	—
		8.0	.315	—	18128
M8x1.25	1812	9.0	.360	181210	—
		10.0	.400	18125	—
M8x1.25	1812	11.7	.460	18121	18122
		14.0	.550	18129	18126
M8x1.25	1812	16.2	.640	18123	18124
		18.0	.708	18127	181226
M8x1.25	1812	20.0	.800	181213	181224
		16.2	.640	18173	—
M8x1.75 GM Rare	1817	16.2	.640	18173	—
M9x1.25	1912	9.0	.360	19120	—
		13.0	.510	19121	—
M9x1.25	1912	18.0	.710	19123	—
		22.0	.866	19127	—
M10x1.0	1010	6.2	.244	10100	—
		8.0	.315	10105	—
M10x1.0	1010	9.0	.360	10101	10102
		15.0	.600	10103	10104
M10x1.25	1012	9.0	.354	10127	—
		14.0	.550	10121	10122
M10x1.25	1012	16.2	.650	10123	10124
		20.0	.800	10125	10126
M10x1.25	1012	25.0	.984	10129	—
		9.4	.370	10157	—
M10x1.5	1015	11.0	.433	101511	—
		14.0	.550	10151	10152
M10x1.5	1015	17.0	.669	101517	—
		20.0	.800	10153	10154
M10x1.5	1015	22.0	.866	101522	—
		24.5	.960	10155	—
M11x1.25	1112	22.0	.870	11123	—
		28.0	1.100	11121	—
M11x1.5	1115	16.0	.630	11151	—
		22.0	.870	11153	—
M11x1.5	1115	30.0	1.180	11155	—

Bold text are insert lengths supplied in kits

METRIC KITS		INSERT LENGTH		INSERTS	
SIZE	PART NO.	MM	INCHES	CARBON STEEL PART NO.	STAINLESS STEEL PART NO.
M12x1.25	1212	9.0	.360	12121	—
		11.0	.430	12129	—
M12x1.25	1212	15.0	.600	12123	12124
		24.0	.950	12125	12126
M12x1.5	1215	6.7	.263	12157	—
		9.2	.360	12151	—
M12x1.5	1215	16.2	.640	12153	12152
		24.0	.950	12155	12154
M12x1.5	1215	30.0	1.180	12159	12160
		10.0	.400	12177	—
M12x1.75	1217	12.0	.472	12170	—
		16.2	.640	12171	12172
M12x1.75	1217	24.0	.950	12173	12174
		30.0	1.180	12179	—
M13x1.5	1315	14.0	.551	13151	—
		19.0	.748	13153	—
M13x1.5	1315	24.0	.950	13155	—
		28.0	1.102	13157	—
M14x1.5	1415	6.6	.260	14151	—
		9.4	.370	14153	—
M14x1.5	1415	12.7	.500	14155	—
		17.8	.700	14157	—
M14x1.5	1415	24.0	.950	14158	—
		28.0	1.100	14159	—
M14x2.0	1420	12.0	.472	14201	—
		18.0	.710	14203	—
M14x2.0	1420	24.0	.950	14205	—
		30.0	1.180	14207	—
M16x1.5	1615	7.0	.270	16151	16150
		12.7	.500	16153	16152
M16x1.5	1615	24.0	.950	16155	16154
		32.0	1.250	16157	—
M16x2.0	1620	16.0	.630	16200	16202
		24.0	.950	16201	16204
M16x2.0	1620	32.0	1.250	16203	16206
		38.0	1.496	16205	—
M18x1.5	1815	10.0	.400	18151	—
		15.0	.590	18157	—
M18x1.5	1815	18.3	.720	18153	—
		27.0	1.060	18155	—
M20x1.5	2015	9.0	.354	20150	—
		12.0	.472	20151	—
M20x1.5	2015	17.0	.669	20153	—
		30.0	1.180	20155	—
M22x1.5	2215C	10.0	.400	22151	—
		15.0	.590	22153	—
M22x1.5	2215C	20.0	.800	22155	—
		7.6	.300	24150	—
M24x1.5	2415C	10.0	.400	24151	—
		15.0	.590	24153	—
M24x1.5	2415C	20.0	.800	24155	—
		30.0	1.180	24157	—

INCH THREAD REPAIR KITS AND INSERTS

KIT CONTENTS

Drill Counterbore
Cutting tap Insert driver
Five (5) steel inserts



Bold text are insert lengths supplied in kits

INCH KITS		INSERT LENGTH		INSERTS	
SIZE	PART NO.	INCHES	MM	CARBON STEEL PART NO.	STAINLESS STEEL PART NO.
4-40	0440	.200	5.0	04401	04402
6-32	0632	.250	6.3	06321	06322
8-32	0832	.250 .320	6.3 8.0	08321 08323	08322 08324
10-24	0024	.240 .300 .370	6.1 7.6 9.4	00240 00241 00243	00246 00242 00244
10-32	0032	.240 .300 .370	6.1 7.6 9.4	00320 00321 00323	00326 00322 00324
12-24	0124	.300 .370 .472	7.6 9.4 12.0	01241 01243 01245	01242 01244 01246
1/4-20	0140	.280 .380 .500 .750 1.000	7.1 9.4 12.7 19.0 25.4	01400 01401 01403 01405 01407	— 01402 01404 01408 01409
1/4-28	0148	.280 .380 .500	7.1 9.4 12.7	01480 01481 01483	01486 01482 01484
1/4-32	0142	.180 .250 .380 .500	4.5 6.3 9.4 12.7	01421 01423 01425 01427	01422 01424 01426 01428
5/16-18	0561	.350 .450 .620 .750	8.9 11.4 15.7 19.0	05610 05611 05613 05615	05617 05612 05614 05616
5/16-24	0562	.350 .450 .620 .750	8.9 11.4 15.7 19.0	05620 05621 05623 05625	— 05622 05624 —
3/8-16	0381	.312 .400 .520 .620 .750 .900 1.000 1.200	7.9 10.0 13.2 15.7 19.0 22.8 25.4 30.4	03818 03819 03811 03813 03815 038190 03810 03817	038182 038192 03812 03814 03816 — 038102 —
3/8-24	0382	.300 .350 .520 .750	7.6 8.9 13.2 19.0	— 03825 03821 03823	03820 — 03822 03824

Bold text are insert lengths supplied in kits

INCH KITS		INSERT LENGTH		INSERTS	
SIZE	PART NO.	INCHES	MM	CARBON STEEL PART NO.	STAINLESS STEEL PART NO.
7/16-14	0761	.400	10.0	07610	—
		.600	15.2	07611	07612
		.870	22.0	07613	07614
		1.000	25.4	076135	07619
		1.250	31.7	07615	07618
		1.500	38.0	07617	—
7/16-20	0762	.250	6.3	07629	—
		.370	9.4	076320	—
		.480	12.2	07627	—
		.600	15.2	07621	07622
		.870	22.0	07623	07624
		1.000	25.4	076231	—
		1.370	34.7	07625	—
1/2-13	0121	.400	10.0	01217	—
		.650	16.5	01211	01212
		1.000	25.4	01213	01214
		1.250	31.7	01219	—
		1.500	38.0	01215	—
1/2-20	0122	.400	10.0	01225	—
		.500	12.7	01220	—
		.650	16.5	01221	01222
		1.000	25.4	01223	01224
		1.370	34.7	01227	—
9/16-12	0961	.750	19.0	09611	—
		1.120	28.4	09615	—
		1.500	38.0	09617	—
9/16-18	0968	.350	8.9	09687	—
		.450	11.4	09685	—
		.750	19.0	09681	—
		1.120	28.4	09683	—
5/8-11	0581	.500	12.7	05810	—
		.850	21.6	05811	05812
		1.250	31.7	05813	05814
		1.500	38.0	03415	—
5/8-18	0588	.320	8.1	05881	—
		.450	11.4	05887	—
		.850	21.6	05883	—
		1.250	31.7	05885	—
3/4-10	0341	.750	19.0	03415	—
		1.100	28.0	03411	—
		1.500	38.0	03413	—
3/4-16	0346	.650	16.5	03460	—
		1.100	28.0	03461	—
		1.500	38.0	03463	—

DRAIN PAN APPLICATIONS

All kits include all the tools plus 5 inserts and tap guide.



Drain Pans Kits

1/2-13 Drain Pan

Kit Part number 0121C Insert Part No.01217
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts .400 length

1/2-20 Aluminum Drain Pan

Kit Part number 0122A Insert Part No.01225
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts .400 length

FORD Drain Pan

1/2-20 "TIN PANS ONLY"

Kit Part number 0765 Insert Part No.07629
This kit reduces the hole size from "1/2-20 to 7/16-20"
Contains: Cbore, Driver tools, 5 inserts, 5 drain plugs with washers

3/4-16 Drain Pan

Kit Part number 0346C Insert Part No.03460
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts .650 length

3/4-10 Drain Pan

Kit Part number 0341C Insert Part No.03415
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts .750 length

M10x1.5 Drain Pan

Kit Part number 1015A Insert Part No.10157
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts 9.4mm length

M12x1.25 Drain Pan

Kit Part number 1212C Insert Part number 12121
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts 9mm length

M12x1.5 Drain Pan

Kit Part number 1215C Insert Part No.12151
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts 9.2mm length

M12x1.75 Drain Pan

Kit Part number 1217C Insert Part No.12170
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts 12mm length

M14x1.5 Volkswagen, Chrysler...

Same as the 1415C but has a longer insert 12.7mm
Kit Part number 1415A Insert Part No.14155
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts 12.7mm length

M14x1.5 "Aluminum Pans"

Kit Part number 1415C Insert Part No.14153
This kit can restore any aluminum drain pan back to it's original size
Contains:Drill, Cbore, Tap, Driver, Tapguide, 5 inserts 9.4mm length

Honda and Acura Drain Pan Repair "Tin Pans Only"

Kit Part number 1485 Insert Part No.12151
This kit reduces the hole size from M14 x 1.5 to M12 x 1.5

M14x1.25 Drain Pan

Kit Part number 14125A Insert Part No.44127
Contains:Drill, Cbore, Tap, Driver, Tap guide, 5 inserts 11mm length

M16x1.5 Drain Pan

Kit Part number 1615C Insert Part No.16153
Contains:Drill, Cbore, Tap, Driver, Tap guide, 5 inserts 12.7mm length

M18x1.5 Drain Pan

Kit Part number 1815C Insert Part No.18151
Contains:Drill, Cbore, Tap, Driver, Tap guide, 5 inserts 10mm length

M20x1.5 Drain Pan

Kit Part number 2015A Insert Part No.20151
Contains:Drill, Cbore, Tap, Driver, Tap guide, 5 inserts 12mm length

M22x1.5 Drain Pan

Kit Part number 2215C Insert Part No.22151
Contains:Drill, Cbore, Tap, Driver, Tap guide, 5 inserts 10mm length

M24x1.5 Drain Pan

Kit Part number 2415C Insert Part No.24150 VW touareg length
Contains:Drill, Cbore, Tap, Driver, Tap guide, 5 inserts 7.6mm length

SPARK PLUG KITS



4412
Standard repair



Spark plug kits do not contain inserts, order separately.

4412E
Deep hole repair

KIT CONTENTS
Step Tap
Wrench
Seat Cutter
Insert driver

		WASHER SEAT		TAPER SEAT			
SPARK PLUG TYPES		Washer seat spark plugs seal with a washer on plug.		Sealer must be used when installing taper seat inserts.			
		WASHER SEAT INSERTS		TAPER SEAT INSERTS			
KIT SIZE	PART NO.	LENGTH MM	INCHES	PART NO.	LENGTH MM	INCHES	PART NO.
1/4-32 RC engines	0142SP	4.5	.180	01421			
M10 x 1.0 Standard Kit	4010	9.0	.360	40101			
M10 x 1.0 Deep Hole Kit	4010E	15.0	.600	40103			
M12 x 1.25 Standard Kit	4212	9.0	.360	42121			
M12 x 1.25 Deep Hole Kit	4212E	15.0	.600	42123	21.0	.827	42126
M12 x 1.25 Deep Hole Kit	4212E	17.5	.690	42125			
M14 x 1.25 Standard Kit	4412	7.0	.270	44121	7.0	.270	44181
M14 x 1.25 Standard Kit	4412	8.0	.320	44123	10.0	.400	44183
M14 x 1.25 Standard Kit	4412	9.4	.370	44125			
M14 x 1.25 Deep Hole Kit	4412E	11.0	.430	44127			
M14 x 1.25 Deep Hole Kit	4412E	13.5	.530	44113			
M14 x 1.25 Deep Hole Kit	4412E	15.0	.600	44129	15.7	.620	44185
M14 x 1.25 Deep Hole Kit	4412E	16.8	.660	44111	16.8	.660	44186
M14 x 1.25 Deep Hole Kit	4412E	23.0	.905	44112	24.0	.950	44187
M14 x 1.25 Deep Hole Kit	4412E	13.5	.530	44113			
M14 x 1.25 Deep Hole Kit	4412E	15.0	.600	44129			
M14 x 1.25 Deep Hole Kit	4412E	16.8	.660	44111			
M14 x 1.25 Deep Hole Kit	4412E	23.0	.905	44112			
M18 x 1.5	4815	10.0	.400	48151	10.0	.400	48181
M18 x 1.5	4815	18.3	.720	48153			
7/8-18	4718	11.0	.430	47181			
7/8-18	4718	20.0	.780	47183			
7/8-18	4718	24.5	1.000	47185			

M14x1.25 Aluminum Inserts	WASHER SEAT MM	INCHES	PART NO.	TAPER SEAT MM	INCHES	PART NO.	
Aluminum Inserts For kits 4412 & 4412E	7.0	.270	44121A	7.0	.270	44181A	
	8.0	.320	44123A	10.0	.400	44183A	
	9.4	.370	44125A	13.5	.530	44184A	
	11.0	.430	44127A	15.7	.620	44185A	
	13.5	.530	44113A	16.8	.660	44186A	
	15.0	.600	44129A	24.0	.950	44187A	
	16.8	.660	44111A				
	23.0	.905	44112A				
					Sealer required for all Taper seat inserts. p/n 6020		

FORD TRITON

Note: FORD TRITON M14x1.25 repair use P/N 5553 kit comes with all tools and 5 inserts Also used for 1.9 / 3.8 / 4.6 / 5.4 Liter engines Triton 3 Valve M16x1.5 use part #3221

SEAT RECONDITION KIT

Used for worn or damaged seats this kit is only intended to clean up seats.



KIT CONTENTS
Wrench
Driver
Seat cutter

Washer Seat
PART NO.
4412SRW

Taper Seat
PART NO.
4412SRT

SPECIAL SEAT CUTTERS

For use on some taper seat spark plug repairs that have limited access to the spark plug hole.

M14 x 1.25 PART NO. 44196
M18 x 1.5 PART NO. 48196
M14 x 1.25 Extended PART NO. 44196E



INSERT DRIVER OIL

This oil is superior for installing inserts. PART NO. 6010



SEAT Recondition cutters

These seat cutters can only be used with kit 4412 and 4412E.

For reconditioning of worn or damaged seats.



Washer Seat PART NO. 44197
Taper Seat PART NO. 44198

SEAT CUTTER GUIDE

For use when the step tap cannot be threaded deep enough to allow use of the seat cutter.

M14 x 1.25 PART NO. 44195



COPPER ANTI-SEIZE

Recommended for use on spark plug with aluminum insert. PART NO. 37229



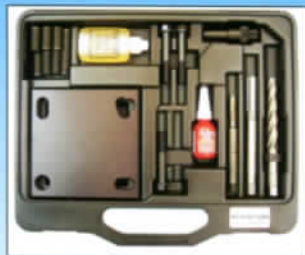
SEALER

This sealer must be used when installing taper seat inserts. PART NO. 6020



MANUFACTURER KITS

GENERAL MOTORS



NORTH STAR 4.0/4.6 HEAD BOLT M11x1.5 HEAD BOLT

Kit Part No. J-42385-500 Insert Part No. 11155

NORTH STAR 4.0/4.6 Oversize M11x1.5 HEAD BOLT BIG-SERT Second repair

Kit P/N. J-42385-500BS Insert P/N J-42385-507BS

L850 or "ECOTEC" 2.2 liter 4 cylinder

J-42385-500 kit with
J-42385-871 Bushing Insert P/N 11155

NORTH STAR MAINBEARING 4.0/4.6

M10x1.5 MAIN BEARING

Kit Part No. J-42385-300 Insert Part No. J-42385-514

NORTH STAR 2000 HEAD BOLT

M11x1.5 There are 2 depths of holes for this block

Kit Part No. J-42385-2000 Insert Part No. 11155

North Star 2004 HEAD BOLT

M11x2.0 PV8 LH2 4.6 liter LXR

Kit Part number J-42385-2030 Insert Part No. 112030

LL8 Straight 6 M11x2.0 Head Bolt

2002-2004 GMC Envoy

2002-2004 Trail blazer

Kit Part No. 4001 Insert Part No. 112030

PV6 M11x1.5 Head bolt LX5 3.5L

1999-2002 Oldsmobile Intrigue

2001-2002 Oldsmobile Aurora

Kit Part No. 6001 Insert Part No. 11155

General Motors GEN3

M11x2.0 HEAD BOLT

1997-2004 C5 Corvette base model

1998-2002 Chevrolet Camaro Z28, SS

1998-2002 Pontiac Firebird Formula and Trans-Am

2004 Pontiac GTO

1999-2005 Holden Commodore as an option

1999-2005 Holden Statesman/Caprice

2001-2005 Holden Monaro

Kit Part number J-42385-100 Insert p/n 112030

M10x 2.0 Main Bearing kit 5.7 V8 LS

Kit Part number J-42385-120 Insert p/n 102022

M12x1.75 Drain plug

This kit will repair most GM aluminum drain pans

Repairs : 1999-2004 CK Engine ASM V8/ LR4/4.8V,LM7/

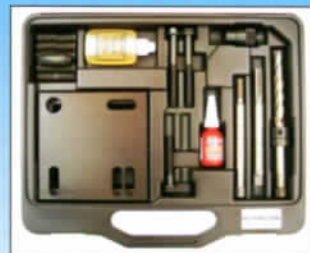
5.3T,LQ4/6.0U / 2003-2005 ST1 Engine / ASM-4.3L V6/ LU3/4.3X

Kit contains:

Drill, Cbore, Tap, Driver, Tapguide, 5 inserts 12mm length

Kit Part number 1217C Insert p/n 12170

HONDA



HONDA D16 HEAD BOLT

M10x1.25 Headbolt

1996-2000 Civic 1988-1991 Civic/CRX 1992-1995 Civic/Del Sol

Kit Part No. 4160 Insert Part No. 10129

HONDA Odyssey HEAD BOLT

M12x1.5 Headbolt

For threads that start at approx. 51mm "Includes"

1999-2005 Odyssey 2003-2005 Pilot 1998-2005 Accord V6

1997-2003 3.0-3.2 CL 1999-2005 3.2TL 2001-2005 MDX

2005 RL

Kit Part No. 7220 Insert Part No. 12159

Honda Civic Hybrid Head Bolt

M9x1.25 2003-2005

Kit Part No. 9210 Insert Part No. 19127

HONDA/ACURA HEAD BOLT

M11x1.5 for threads that start at approx. 57mm

Honda B16 2002-2005 CR-V 2003-2005 Accord L4

2003-2005 Element 1999-2005 Civic SI 2002-2005 RSX

1986-2001 Integra 1986-1995 Legend 1991-2005 NSX

1996-2004 RL

Kit Part No. 7111 Insert Part No. 11155

HONDA/ACURA HEAD BOLT Oversize

M11x1.5 BIG-SERT Second repair

Honda B16 2002-2005 CR-V 2003-2005 Accord L4

2003-2005 Element 1999-2005 Civic SI 2002-2005 RSX

1986-2001 Integra 1986-1995 Legend 1991-2005 NSX

1996-2004 RL

Kit Part No. 7111BS Insert Part No. J-42385-507BS

HONDA MOTORS Special Kit 1/8-28 BSBP

Kit Part No. 0128 Insert Part number 01281

Honda and Acura

M14x1.5 "TIN Pans Only"

This kit reduces the hole size from M14 x 1.5 to M12 x 1.5

Kit Part number 1485 Insert Part No. 12151

Honda and Acura

M14x1.5 "Aluminum Pans"

This kit can restore any aluminum drain pan back to it's original size

Kit Part number 1415C Insert Part No. 14153

Honda & Acura M10x1.25

Alternator bolt thread repair

M10x1.25 Alternator bolt

1999-2005 Odyssey 2003-2005 Pilot 1998-2005 Accord V6

1997-2003 3.0-3.2 CL 1999-2005 3.2TL 2001-2005 MDX

2005 RL Kit Part number 1012C Insert Part No. 10125

MANUFACTURER KITS

FORD

FORD SPARKPLUG REPAIR M14x1.25 Triton 2 and 4 valve 1.9/3.8/4.6/5.4 liter engines



Kit Part No. 5553
Insert Part No 51459

FORD SPARKPLUG REPAIR M16x1.5 3 Valve Heads



Kit Part No. 3221
Insert Part No 32214

FORD HEAD BOLT 4.6/5.4 M11x1.5 HEAD BOLT



Kit Part No. 6111
Insert Part No. 11155

TOYOTA

Universal M11x1.5 head bolt kit



Kit Part No. 2200
Insert Part No 11155

We do not have a specific kit for Toyota head bolt. We commonly sell the Universal M11x1.5 for the Camry and Rav4 & Scion models which use the M11x1.5 head bolt.

Harley Davidson

3/8-16 x 1.000 used in Harley Davidson Head Bolt Where depth of hole is 1.250 deep.



Kit Part No. 0381D
Insert Part No 03810

VOLKSWAGEN

VOLKSWAGEN Touareg Drain Pan kit M24x1.5



Kit Part No. 2415C
Insert Part No. 24150

V.W & PORSCHE CASE KIT FOR M10 x 1.5 CASE STUDS Kit Part No. 1085 Insert Part No. 10155



M14x1.5 Drain Pan Repair Contains: Drill, Cbore, Tap, Driver, Tapguide and 5 inserts of a 12.7mm length Kit Part number 1415A Insert Part No.14155



Optional Tap Guide Plate
VW and Porsche 911 style.
This plate is placed on top
of the cylinder to ensure a
straight tapped hole.



Plate Part No. 31084

VW SOLEX Carburetor
M8x1.0 Kit P/N 1881

VW SOLEX Carburetor
M11x1.0 Kit P/N 1181

BMW

M10x1.5 24.5mm Head bolt application



Kit Part No. 1087
Insert Part No 10155

This tooling will install a M10x1.5x24.5mm length insert in a 6mm deep countersink.

SPECIAL APPLICATIONS

DIESEL INJECTOR M24 x 2.0 THREAD REPAIR KIT



Kit Part No. 2420
Insert Part No. 24201

BENDIX AIRCRAFT WHEEL 1/4-28 THREAD REPAIR KIT



Kit Part No. 01488
Insert Part No. 014888

BENDIX AIRCRAFT WHEEL 1/4-28 OVERSIZED THREAD REPAIR KIT



Kit Part No. 01489
Insert Part No. 014899

10x1.5 30mm Flush Surface kit



Kit Part No. 1015D30
Insert Part No. 10159

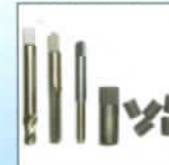
M6x1.0 Extended kit



This tooling has no counterbore. The hole must be at least 8mm or .315 inches for the tap to access the hole

Kit Includes
6" extension drill, 4" tap, 4" driver,
5 inserts of a 17mm length.
Kit Part number 1610E2

M8x1.25 CORE KIT



The core drill included will allow a special 11.7mm length no flange insert to be installed deeper than a standard kit.

Kit Includes
Core drill, tap, driver, tap guide,
5 inserts of the 11.7mm no flange
Kit Part number 1812CORE

M8x1.25 CORE KIT Extended

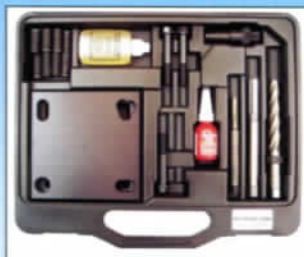


The core drill included will allow a 16.2mm length insert to be installed deeper than the standard kit.

Kit Includes
Core drill, tap, driver,
5 inserts of the no flange
16.2mm length.
Kit Part number 1812ECORE

UNIVERSAL HEAD BOLT KITS

Universal head bolt kits can be used in any application of bolt size listed below.
A simple tool setup is all that is required.



Universal M10x1.5 head bolt

Kit Part No.7580 Insert Part No. 10155
Includes 10 inserts of a M10x1.5x24.5mm length

Universal M10x1.25 head bolt

Kit Part No.6250 Insert Part No. 10129
Includes 10 inserts of a M10x1.25x25mm length

Universal M11x1.5 head bolt

Kit Part No.11110 Insert Part No. 11155
Includes 10 inserts of a M11x1.5x30mm length

Universal M11x1.25 head bolt

Kit Part No.11125 Insert Part No. 11121
Includes 10 inserts of a M11x1.25x28mm length

Universal M12x1.5 head bolt

Kit Part No.4800 Insert Part No. 12159
Includes 10 inserts of a M12x1.5x30mm length

Universal M12x1.25 head bolt

Kit Part No.4700 Insert Part No. 12127
Includes 10 inserts of a M12x1.25x30mm length

Universal M12x1.75 head bolt

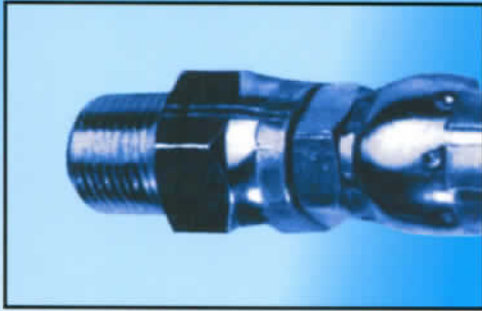
Kit Part No.4900 Insert Part No. 12179
Includes 10 inserts of a M12x1.75x30mm length

Universal head bolt kits also available in oversize "BIG-SERT" versions.

TAPER PIPE THREAD KITS

National Pipe Taper Thread (NPT)

CARBON STEEL



KIT SIZE	PART NO.	INSERT PART NO.
1/8-27	0127	01271
1/8-28 BSBP <i>Honda Motors</i>	0128	01281
1/4-18	0118	01181
3/8-18	0318	03181
1/2-14	0214	02141
3/4-14	0414	04141



STAINLESS STEEL

KIT SIZE	PART NO.	INSERT PART NO.
1/8-27	0127S	01272
1/4-18	0118S	01182
3/8-18	0318S	03182
1/2-14	0214S	02142

NOTE: The 1/2-14 and 3/4-14 pipe kits do not have a counterbore
These kits **do not** include counterbore's.

Yes, the insert will stick up slightly without a counterbore but being a pipe application there should be no problem as the pipe fitting will not contact the flange of the insert. This is noted in the instructions and you may optionally use a standard 90 degree countersink to get the flange flush if so desired.

Time-Sert does sell these tools separately if needed.

90 degree CounterSink for the 1/2-14 taper pipe kit p/n 22145.

Description: 90 degree countersink 1" diameter

90 degree CounterSink for the 3/4-14 taper pipe kit p/n 24145.

Description: 90 degree countersink 1 1/2" diameter



USEFUL TOOLS

TAP GUIDES



Tap guides insure that the threads are square to the surface of the hole.



The lower portion of the tap guide should remain as square as possible to the engine surface. Turn the tap slowly while making sure the guide remains flush.

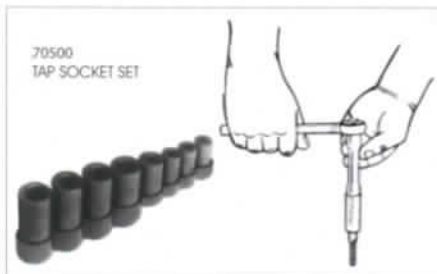
AMERICAN TAP GUIDES

SIZE	PART NO.
1/4-20	31420
1/4-28	31420
5/16-18	35168
5/16-24	35168
3/8-16	33816
3/8-24	33824
7/16-14	37164
7/16-20	37162
1/2-13	31213
1/2-20	31225
3/4-10	33415
3/4-16	33416

METRIC TAP GUIDES

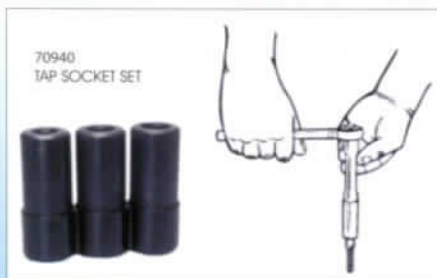
SIZE	PART NO.
M6 x 1.0	36105
M8 x 1.25	38125
M10 x 1.0	30105
M10 x 1.5	30155
M10 X 1.25	30125
M12 X 1.5	32155
M12 X 1.25	32125
M12 X 1.75	32175
M14 X 1.5	34155
M16 X 1.5	36155
M18 X 1.5	38155
M20 x 1.5	30215
M22 x 1.5	32255
M24 x 1.5	32455

TAP SOCKET SETS



For Use in Restricted Areas

Ideal for use in areas where a T handle won't fit. Set of 8 sockets fits all number and fractional M.C.T.I. standard taps thru 1/2". Also fits 1/8" NPT taps and metric tapsthru 12mm manufactured to M.C.T.I. Standards. Sockets contained on a vinyl holder. Time-Sert taps 4mm to 12mm metric / 4-40 to 1/2 inch Sockets #1 thru #4 use 1/4 drive, rest use 3/8 drive.



Three Larger Sizes in a Convenient Set

The three largest tap sockets, are now packaged in a three piece set. Ideal for use where a T handle won't fit, especially in restricted areas. For larger, fractional M.C.T.I. standard taps. #9 socket is 5/8" (16mm), #10 is for 11/16" (18mm) and #11 is for 3/4". Sockets contained in a vinyl holder. Time-Sert taps 13mm to 16mm metric 5/8 to 3/4 inch. use 1/2 drive socket.



Lightweight, Compact, LED Light. Depress the pocket clip to illuminate. The bright LED bulb lasts up to 100,000 hours. Comes equipped with 2 common replaceable 3 volt batteries, CR2016. Overall length 4 1/2".



2 1/4" diameter mirror swivels to any position. Length extends from 10" to 14"