

THREAD REPAIR & FASTENER TOOLS

THREAD REPAIR KITS & INSERTS

Repairs damaged threads in most automotive, motorcycle and outdoor power equipment systems. Coiled inserts create a permanent and wear-resistant thread in the parent material. Special oversize taps are to international specifications. Standard taps cannot be used.

Thread Size	Kit No.*	Insert ** Pack No.
UNC		
10 - 24"	33609	23609
1/4 - 20"	33049	23049
5/16 - 18"	33059	23059
3/8 - 16"	33069	23069
7/16 - 14"	33079	23079
1/2 - 13"	33089	23089
UNF		
10 - 32"	34609	24609
1/4 - 28"	34049	24049
5/16 - 24"	34059	24059
3/8 - 24"	34069	24069
7/16 - 20"	34079	24079
1/2 - 20"	34089	24089
Metric		
M5 - 0.8	35059	25059
M6 - 1	35069	25069
M8 - 1.25	35089	25089
M9 - 1.25	35099	25099
M10 - 1.25	37109	27109
M10 - 1.5	35109	25109
M12 - 1.75	35129	25129
M14 - 1.5	37149	27149



Typical Kit



Typical Insert Pack

* Each Kit includes Tap, Installation Tool and 3 Inserts.

** All insert packs include 10 Inserts except No. 27149 has 5 Inserts.

SPARK PLUG REPAIR KITS – see pages 13 & 14

THREAD RESTORING FILES

Restores damaged threads on bolts and shafts. Files are cross-cut and depth proportional to the thread pitch, so will not skip or jump out of fine pitches. All are 7/16" square x 8-3/8" long.

No.	Type	Pitch Sizes
8231	Metric	0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.50, 3.00mm
8233	SAE	11, 12, 13, 14, 16, 18, 20, 24 TPI (Threads per inch)
8235	SAE	9, 10, 12, 16, 20, 27, 28, 32 TPI (Threads per inch)



8237 UNIVERSAL 60° THREAD RESTORING FILE

Single blade file renews all 60° threads, including metric. OAL: 9" / 23cm



8230 4 PC. THREAD RESTORING FILE SET

Includes 3 Thread Files (#8231, #8233 & #8235) plus #8237 Universal Thread File.



8240 53 PC. UNIVERSAL RETHREADING SET

Includes thread files #8231 and #8233 plus the following color-coded Taps & Dies:

Tap & Die Sets

Metric – 6 x 1.00, 8 x 1.25, 8 x 1.50, 10 x 1.00, 10 x 1.25, 10 x 1.50, 11 x 1.50, 12 x 1.25, 12 x 1.50, 12 x 1.75, 14 x 1.50mm

NC-USS – 1/4" - 20, 5/16" - 18, 3/8" - 16, 7/16" - 14, 1/2" - 13, 9/16" - 12

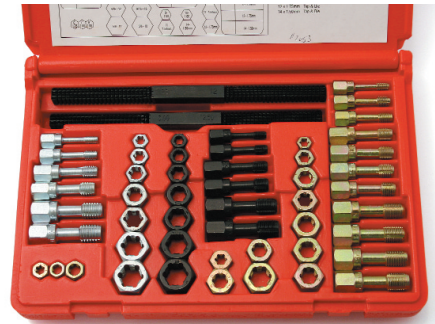
NF-SAE – 1/4" - 28, 5/16" - 24, 3/8" - 24, 7/16" - 20, 1/2" - 20, 9/16" - 18

Dies (only)

Metric – 6 x 1.25, 7 x 1.00, 8 x 1.00mm

NC-USS – 5/8" - 11

NF-SAE – 5/8" - 18



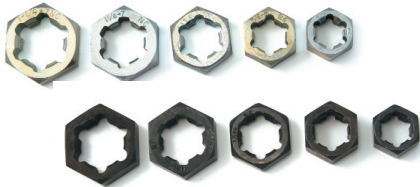
8245 8 PC. SPINDLE RETHREADER DIE SET

Includes 6 Metric Dies: 20 - 1.25, 20 - 1.50, 22 - 1.00, 22 - 1.50, 24 - 1.50, 24 - 2.00mm and 2 Fractional Dies: 3/4" - 20 & 13/16" - 20.



RETHREADER DIE SETS

No.	Type	Size
8250	NC (Coarse)	3/4", 7/8" - 9, 1" - 8, 1-1/8" - 7, 1-1/4" - 7
8255	NF (Fine)	3/4", 7/8" - 14, 1" - 14, 1-1/8" - 12, 1-1/4" - 12



9040 5 PC. SPIRAL SCREW EXTRACTOR SET

Removes broken studs, set screws and pipe fittings. Chrome-moly steel with reverse tapered threads.

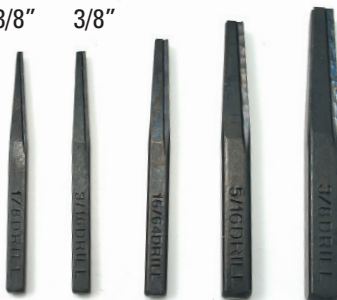
No.	Bolt, Stud or Screw Size	Drill Size	Pipe Size
9041	1/8" - 1/4"	5/64"	----
9042	1/4" - 5/16"	7/64"	----
9043	5/16" - 7/16"	5/32"	----
9044	7/16" - 9/16"	7/32"	----
9045	9/16" - 3/4"	7/64"	1/8" - 1/4"



9030 5 PC. FLUTED SCREW EXTRACTOR SET

Removes broken studs, set screws, pipes and fittings. Hardened extractors are tapered with special 4-point ends to bite into fastener.

No.	Bolt, Stud or Screw Size	Drill Size	Pipe Size
9031	1/4" - 5/16"	1/8"	----
9032	3/8"	3/16"	----
9033	7/16"	15/64"	1/8"
9034	1/2" - 9/16"	5/16"	1/4"
9035	5/8"	3/8"	3/8"



9011 STUD REMOVER & INSTALLER

Fits hard-to-reach areas.
Range: 1/4 to 3/4" / 6-19mm.
Use with 1/2" drive tools.



9015 NUT SPLITTER

Splits rusted or seized nuts up to 3/4" / 19mm across flats. Offset, forged body with swivel head. Use with 3/4" hex drive tools.



9311 IMPACT WRENCH KIT - 3/8" SQUARE DRIVE

Loosens rusted screws, nuts and bolts. Use with hammer to provide maximum torque action. Includes 3/8" square drive tool, hex bit adapter and four 5/16" impact hex bits: 9/32" & 5/16" Slotted, #2 & #3 Phillips.



THREAD RE-CONDITIONING TAPS

Alloy steel taps clean common oil pan threads. Use with socket adapters and 3/8" drive ratchet.

No.	Tap Size	Applications
18111	12mm x 1.25	Toyota, Nissan
18115	12mm x 1.50	BMW, Mercedes
18112	12mm x 1.75	GM, Saturn, Ford
18113	1/2" - 20	GM, Ford, Dodge
18116	14mm x 1.25	Jeep, Ford Truck 7.3L
18114	14mm x 1.50	Ford, Honda
18117	16mm x 1.50	Mopar
18118	18mm x 1.50	Toyota
18119	22mm x 1.50	Dodge Truck, BMW

