



**OS Manufacturing**

**OS MAX .46 AX**

**OSMG0547**

**SMALL SIZE TO FIT COMPACT & TRAINER AIRCRAFT**



Silver Finish

**\$104.99**

- OSMG0015 OS MAX .15LA W/MUFF BLUE . \$59.99
- OSMG0025 OS MAX .25 LA RC ENGINE..... \$62.99
- OSMG0046 O.S. MAX .46LA w/MUFFLER ... \$69.99
- OSMG0540 O.S. MAX 46FX N/RNGD W/MF \$109.99
- OSMG0561 .61FX NON/RING W/MUFLR . \$169.99
- OSMG0660 OS MAX 1.60 FX RC RING .....\$299.99
- OSMG0678 140RX w/PUMP .....\$447.82
- OSMG0830 OS MAX FS30 SURPAS 4 STR ...\$159.99
- OSMG0852 OS MAX FS-52 SURPASS 4-C ...\$189.99
- OSMG0876 FL70 w/MUFFLER .....\$179.97
- OSMG2690 #3 STD. GLOW PLUG ..... \$4.99
- OSMG2691 #8 STD. LONG GLOW PLUG .....\$4.99

- OSMG2693 GLOW PLUG #A5 ..... \$5.99
- OSMG2694 GLOW PLUG #R5 ..... \$5.99
- OSMG2945 TUNED SILENCER 140 RX .....\$199.99

**OS MAX .91 FX RC RING w/MUFFLER**

High-Performance Engine For Sport & Aerobatic Flying

**OSMG0591**

Natural Metal Finish



**\$199.98**



**OS #F 4-Cycle GLOW PLUG**

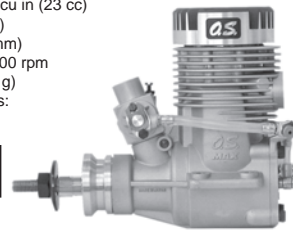
**OSMG2692 \$6.99**

Good Quality • Long-lasting Economical Price

**O.S. 140RX 2-Stroke Engine**

A true champion in the 2-stroke class, the O.S. 140RX delivers plenty of power for its size. A fine engine for both fun and competition flying.

**SPECIFICATIONS**  
 Displacement: 1.404 cu in (23 cc)  
 Bore: 1.26 in (32 mm)  
 Stroke: 1.126 (28.6 mm)  
 Output: 3.5 hp @ 9,000 rpm  
 Weight: 29.3 oz (830 g)  
 Recommended Props: 15x14 through 16x16



**OSMG0678**

**\$447.82**



**OS MAX .61FX RC w/MUFFLER**



**OSMG0561**

**\$169.99**

Non-Ring

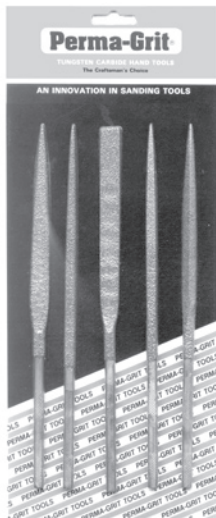
**Permagrafit Products**

**Tungsten Carbide Large Needle File Set**

Complete set of all five Permagrafit large (7") needle files. Set contains hand, square, round, half-round, and triangle files.

Medium grit.

The 7" needle files have a shaft diameter of 5mm (approx. 1/5"). They're stronger than the 5.5" files. These tools are made of tungsten carbide welded to steel. Unlike conventional files, they easily cut in any direction, and will remove material much faster.



- INCLUDES:**
- Hand File
  - Square File
  - Round File
  - ◐ Half Round
  - ▲ Triangle File

Uses large handle shown at right

**#PMGLNF Permagrafit 7" Large File Set \$47.95**

**PERMAGRIT TOOLS**

Tools can be cleaned with any solvent  
 Cut, Sand, & Shape fast for quicker building  
 Used by top builders worldwide

Tungsten Carbide Tools that last for years  
 Won't lose their edge like conventional files  
 One of the hardest materials next to diamond

**Large Needle File Handle**



Provides extra grip for all large (7") Permagrafit needle files. Tightens down securely with 5mm brass collet.

**PERMAGRIT TOOLS**  
**PMGLNFH Large Needle File Handle \$4.99**

**FULL-SIZED FLAT FILE**



Rigid steel file for shaping and smoothing.

- PMGF101 11"x 2" Fine (120 grit) \$9.99**
- PMGF102 11"x 2" Coarse (60 grit) \$9.99**

**Permagrafit Tangent File**



Approx. 15/16" x 9"

Less than 90° angle (approx. 60°), and perfect for shaping inside corners, hatches, doors, etc.

**PMGR201C Tangent File (60 grit) \$9.99**

**12mm Round Tube File**



12mm (approx. 1/2") x 9"

Like the larger version above, this file is also excellent for forming grooves and fillets, or enlarging holes, shaping, etc.

**PMGR203C 12mm Tube File (60 grit) \$11.95**