

Glue a handle stop under the end of the cutting handle. Make the stop of styrene or wood carved to a height which allows the blade to go about 1/32" below the cutting surface but no further. Glue the block to the base below the handle end. Also - consider the new CHOPPER II (tool #69-4) with replaceable cutting surface and die cast aluminum base for more rigid working surface.

See your hobby supplies store for these other precision, job designed NWSL model building tools that help you do better model building faster, more efficiently, and more accurately.

THE ALIGNER (#31-4)
(#32-4), (#33-4) (#38-4)

THE CHOPPER (#49-4)
THE CHOPPER II (#69-4)

THE CHOPPER III (#59-4)
THE DUPLICATOR II (#62-4)

THE PULLER (#45-4)
THE PULLER II (#55-4)

THE PULLER III (#65-4)
THE PULLER V (#75-4)

THE PULLER VI (#85-4)
THE PROFESSIONAL PULLER TOOL SET (#4539-4)

THE BENDER (#48-4)
THE TRUE SANDER (#57-4)

THE SENSIPRESS+ (#50-4)

THE RIVETER+ (#51-4)

THE QUARTERER (#44-4)

THE QUARTERER II (#64-4)
THE QUARTERER III (#67-4)

Checks gear alignment, can help re-align gear square 4 sizes to cover the most common axle sizes found in HO locomotives 2.0mm, 2.4mm (3/32"), 3.0mm, 1/8"

Stripwood and other strip materials cutting to length. Sturdier version of #19-4 - die-cast aluminum base, long life replaceable cutting surface

same as #49-4 above, but with more working space quick, accurate cutting and duplication of sheet plastic materials small parts—now accepts up to 8" sheet width press shafts out of gears, wheels, and small press assembly jobs

'O' scale size and strength 'plate' style Puller
'O' scale 'finger' style Puller
'G' scale half-axle gear Puller

PULLER (all versions) to eliminate the turn/alignment problem, allows pressing shafts as small as 1.0mm. press brake for bending small metal or styrene plastic material up to .020" thick, up to 100 degree angle

quick, repeatable, precision finish sanding of cut milre or square ends on wood, plastic and metal for precision fits

model size arbor press for hole punching, wheels/gear /shaft assembly, rivet embossing (with THE RIVETER+), etc. up to 250 lb. pressure with sensitive feel small parts require.

accessory to THE SENSIPRESS+ to provide accurate spacing, straight rows or embossed rivets. economy tool to enable quick, accurate quartering of model locomotive drivers; also quarter checking.

High Precision all metal tool for HO-S-On3 drivers High Precision all metal tool for S-O-Large Scale drivers

NWSL THE CHOPPER

Designed by August Aucourt
Tool # 49-4
Proudly made in USA

Heavy Duty Modeler's Stripwood Length Cutter

PROVIDES CLEAN, QUICK, ACCURATE CUTS ON MINIATURE WOOD AND STYRENE

OPERATING SUGGESTIONS

This tool is designed for quick and accurate slicing of HO scale or similar model and miniature stripwood or plastic material to exact duplicate lengths and/or mitre using inexpensive, easily obtainable single edge razor blades. Other materials that a razor blade can cut may be processed quickly, accurately, repeatedly on this tool. For fine finish fitting, we suggest THE TRUE SANDER to compliment THE CHOPPER. Industrial grade single edge razor blades are cheap enough that you can always use a sharp blade (without going broke) for clean slicing cuts every time. A dull blade tends to crush the wood. Blades are available at hobby, hardware, printing and industrial supply stores for about 10 cents or less in quantity as well as at drugstores.

DO NOT USE DOUBLE EDGE RAZOR BLADES - they are weaker and dangerous! This tool has been adjusted to provide a square cut. To assure square cuts, use the 90 degree (stop) guide against the blade periodically to check the angle. If necessary, loosen #4909-4 screws from the bottom, adjust the handle to 90 degrees and re-tighten the screws while holding the handle in proper position. When the blade eventually wears a slot in the base, restore proper cutting quality by filling the slot with epoxy, plastic steel, Durhams rock hard water putty, etc. or order a replacement base (#4912-4 or #4917-4).

OPERATING PROCEDURE

1. KEEP FINGERS, HANDS, ETC. away from the cutting blade at all times! Resist the natural tendency to reach under the blade to remove cut-off pieces - you may remove some skin! TO REMOVE cut pieces or scrap from the cutting area, use a long piece of material, pencil, etc. or blow the area clear or tip the tool up so material drops out. CAUTION: Larger pieces of wood and particularly harder woods such as dowels (plastics too) may break away when cut off and fly at a dangerously rapid speed - use appropriate caution to restrict such material.

2. To easily cut pieces of duplicate length, cut one piece to the length desired, place handle in down position, abut material (cut piece) against base guide and razor blade, place stop against end of material and clamp stop in place. Once so set, just abut stripwood to stop and slice to exact length. Use far right clamp position when setting stop for cutting longer pieces (on #49-4). THE CHOPPER III (#59-4) provides a wider (longer material) working space for easily working longer materials. Note: Working on hard or thick material can force the stop out of proper position due to 'V' shape of cutting blade - monitor and correct setting as necessary or prevent the problem by lifting material end from stop guide once blade is positioned at cut location on material.

FOR MITRE CUTS, the mitre guides have 30, 45, and 60 degree ends. To use them,

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