

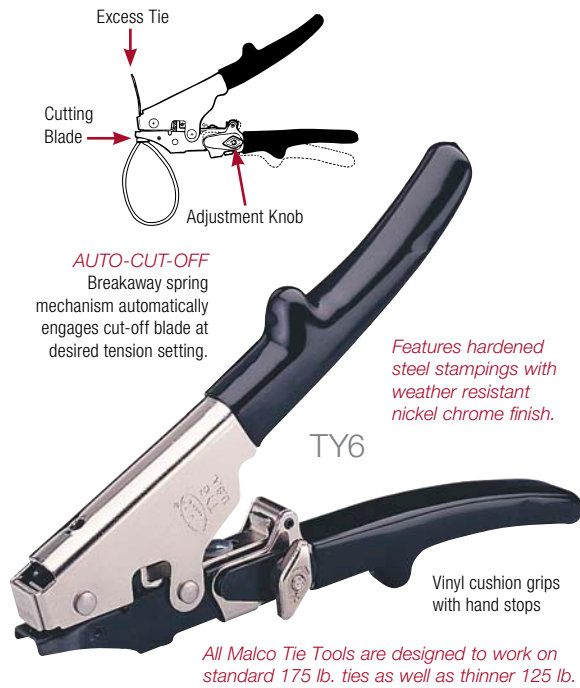


# Fiberglass Duct Tools

# Tensioning Tools

## Adjustable

U.S. Patent No. 4,947,901 / No. 5,048,575



**AUTO-CUT-OFF**  
Breakaway spring mechanism automatically engages cut-off blade at desired tension setting.

Features hardened steel stampings with weather resistant nickel chrome finish.

All Malco Tie Tools are designed to work on standard 175 lb. ties as well as thinner 125 lb. ties.



**Tensioning Adjustment knob and automatic cut-off mechanism**

Turn Adjustment knob clockwise to increase tension and counter clockwise to decrease tension. **CAUTION:** Do not over tighten adjustment knob with fingers. Adjust knob only with fingers to avoid breaking ties before cut-off occurs.

High leverage tensioning tool with auto cut-off, for continuous use on-the-job. The TY6 Tensioning Tool is designed for a heavy user of nylon ties. An adjustment knob allows installer to set desired tension for securing flex duct to a take-off collar. When the tie is tight, a breakaway spring mechanism releases the tool's lower handle, causing the blade to engage and automatically flush cut off the excess tail of the nylon tie. No extra operation for manual trimming is required. Nylon tie installation is fast and easy with the TY6. Works on all ties including thin designs.

Operating the TY6 is easy on the installer too! Contoured handles, with stops, are easier to grasp. Also, smooth lever action and vinyl cushion grips minimize hand and arm fatigue on big jobs.

The TY6 features a hardened steel body, long wearing parts, and a weather resistant nickel chrome finish to assure many years of dependable service.

## Manual

These rugged lever action cut-off tensioning tie tools feature a unique notched gripper.

A clean black baked on enamel wrinkle finish will also weather the elements and stand up to abuse on-the-job. Comfortable handles reduce the pinch point area, and gray vinyl cushion grips are available on the model TY4G. Works on all ties including thin designs.

## Nylon Ties



Use Malco adjustable nylon ties to install flexible duct to take-offs, or secure bundles, up to 15" (3.81 cm) diameter. Made of 100% nylon, Malco ties offer a minimal tensile strength of 175 pounds.



All Malco Tie Tools are designed to work on standard 175 lb. ties as well as thinner 125 lb. ties.

## Specifications

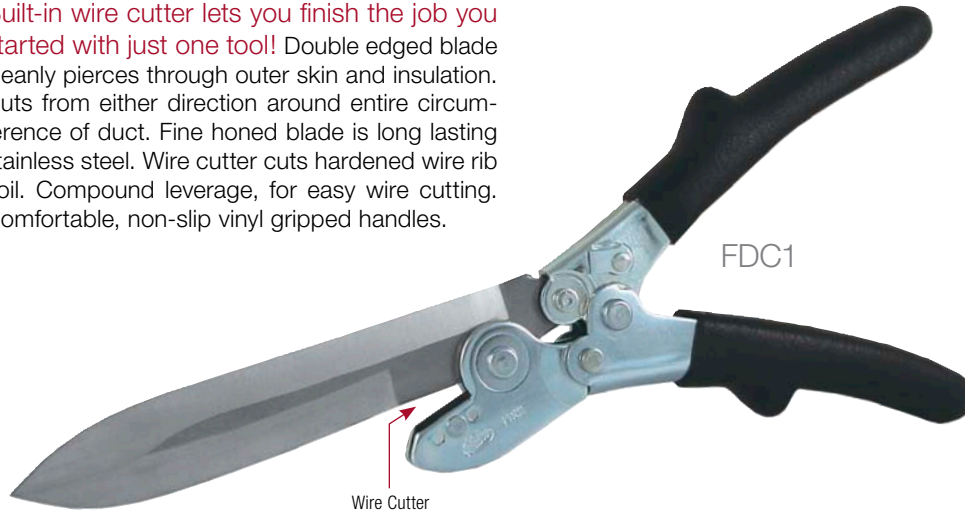
Catalog Number	Description	Adjustable Diameter in. (mm)	Length in. (mm)	Width in. (mm)	Net Wt. oz. (g)
TY6	High Leverage Tie Tool	—	8-1/2 (216)	—	15 (425)
TY4	Manual Cut-Off Tie Tool	—	6 (152)	—	10 (284)
TY4G	Manual Cut-Off Tie Tool /Gripped	—	6 (152)	—	11 (312)
TY34	Adjustable Nylon Ties	Up to 10 (254)	36 (914)	3/8 (9.5)	—
TY48	Adjustable Nylon Ties	Up to 15 (381)	48 (1219)	3/8 (9.5)	—

# Cutter

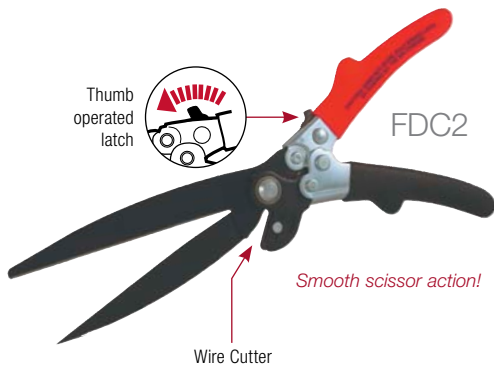
U.S. Patent No. 5,225,237

## for Flexible Fiberglass Duct

Built-in wire cutter lets you finish the job you started with just one tool! Double edged blade cleanly pierces through outer skin and insulation. Cuts from either direction around entire circumference of duct. Fine honed blade is long lasting stainless steel. Wire cutter cuts hardened wire rib coil. Compound leverage, for easy wire cutting. Comfortable, non-slip vinyl gripped handles.



## Flex Duct Shear



Thumb operated latch ensures that sharpened blade edges on the FDC2 stay closed when not in use.

Cuts insulated flexible round duct and also cuts the duct liner's wire rib coil. Pointed bottom blade easily pierces duct to start cut. Heavy duty wire cutter is located away from scissor blades. Thumb operated latch ensures that sharpened blade edges stay closed when not in use.

## Multi-Purpose

Trim flex duct and tighten nylon ties with one tool!



The versatile FDC3 Flex Duct Tool is actually three tools in one! The finely honed double-edged knife blade cleanly pierces through the outer skin, insulation and liner construction of flexible round duct and cuts in either direction. A thumb-operated latch opens the tool's compound-leverage handles and the jaws of a built-in wire cutter to easily sever the exposed wire rib coil of duct liner. Use the tool's tie-tensioning mechanism to install a nylon tie strap and secure the flex duct take-off collar. With the handles of the FDC3 in the open position, a nylon tie can be threaded through the mechanism and then tightened by gently pumping the tool's handles. Use the wire cutter to trim excess tie strap tail. Trimming and installing flexible round duct is now as easy as one-two-three with Malco's FDC3 multi-purpose Flex Duct Tool.

## Specifications

Catalog Number	Description	Blades / Wire Cutter	Variable Leverage Ratio (High / Low) throughout stroke	Length of Cut in. (mm)	Length in. (mm)	Net Wt. oz. (g)
FDC1	Flex Duct Cutter	High Carbon Steel	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4 (102)	11-7/8 (302)	11 (312)
FDC2	Flex Duct Shear	—	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4-3/8 (111)	12-1/4 (311)	13 (369)
FDC3	Multi-Purpose Flex Duct Shear	High Carbon Steel	10.4 to 1.0 - 11.9 to 1.0 (Wire Cutter)	4 (102)	11-7/8 (302)	14 (397)

# Duct Knife

for Flex & Ductboard



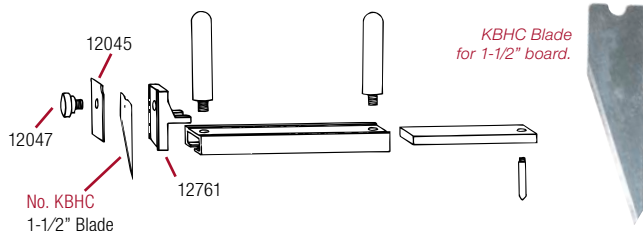
Puncture resistant nylon sheath included with DK6S cushion gripped knife.

# Hole Cutter

for Fiberglass Duct Board

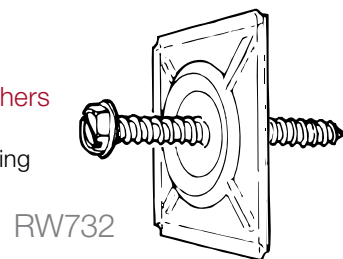


Makes precise holes in ductboard for flex duct take-offs. Supplied with standard double point utility knife blade for cutting 1 inch (25.4 mm) board. Use No. KBHC blade for 1-1/2 (38.1 mm) inch ductboard. Cuts 4" to 20" (102 to 508 mm) diameter holes in fiberglass ductboard. Operation is fast and easy. Cutter rotates counter clockwise on a center pivot punch. Durable extruded aluminum frame and engineering grade molded plastic and nylon components. Blade holder stores in body for safety and to protect blade from damage when not in use.



# Washers

Fiberglass Ductboard washers  
Reinforcement Washer  
Use with #8 screw for fastening sheet metal components to fiberglass duct.



## Specifications

Catalog Number	Description	Blade Length in. (mm)	Hole Diameter in. (mm)	Net Wt. oz. (g)
FG1	Fiberglass Duct Hole Cutter	—	4 to 20 (102 to 508)	7.5 (213)
KBHC	1-1/2" (38 mm) Ductboard Blade for FG1 (Also works on 1" (25 mm) ductboard.)	—	—	—
12761	FG1 Replacement Part (Blade Holder)	—	—	—
12045	FG1 Replacement Part (Blade Clamp)	—	—	—
12761	FG1 Replacement Part (Blade Knob)	—	—	—
RW732	2-1/2" x 2-1/2" x .030" (64 x 64 x 0.76 mm) galv. reinforced volcano washer with 7/32" (5.56 mm) dia. hole.	—	—	—
FLW	2-1/2" x 2-1/2" x .030" (64 x 64 x 0.76 mm) galv. reinforced volcano washer with 1/8" (3.18 mm) dia. hole.	—	—	—
DK6S	Cushioned Gripped Serrated Duct Knife	6 (152)	—	7 (199)

# Ductboard Fabricating

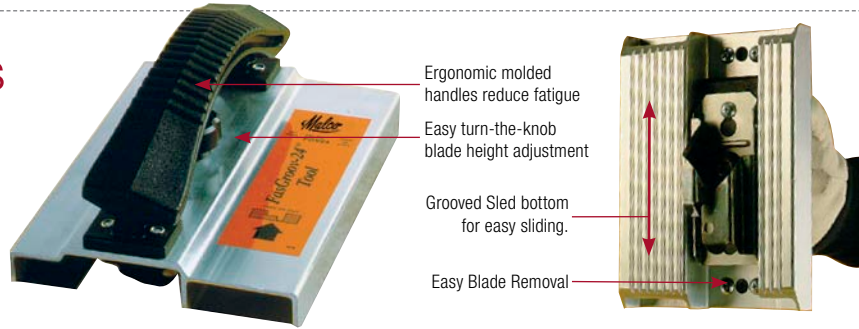
## Hand Tools | Square | Knives

Lay out ductboard as you cut with the FasGroov Fabricating System. Single tools and full kits available for easy fabrication of all brands of 1" (25.4 mm) or 1-1/2" (38.1 mm) ductboard. Malco's patented one-piece layout system incorporates a FasGroov Square with distinctive sled-style tools. Offsets built into square and tools allow you to lay out ductboard as you cut. Simply align dimensions on square with edge of previous cut and move across the board.

### FasGroov® Hand Tools

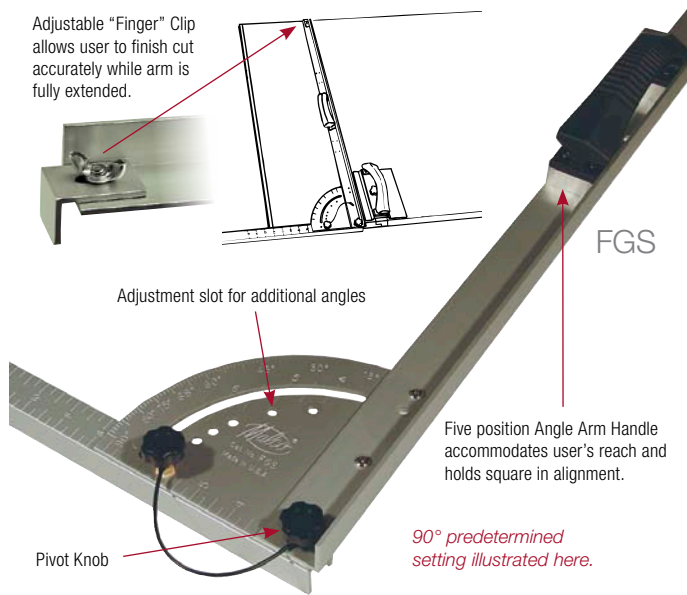
Anodized aluminum sled-style tools for 1" (25.4 mm) and 1-1/2" (38.1 mm) ductboard.

See opposite page for kits. For specifications, see page 30.



### FasGroov® Square

Easy-to-use, easy-to-adjust anodized aluminum square.



### FasGroov® Knives

Safer to use with comfortable molded handles. Male and Female Shiplap Knives for 1" (25.4 mm) and 1-1/2" (38.1 mm) ductboard can be used on closed duct sections. Duct Knife features a rounded scoring edge to cut fiberglass without tearing skin. Plus, Malco's No. FG1 Hole Cutter and a special 1-1/2" (38.1 mm) blade No. KBHC are available separately for creating flex duct take-offs.



### Specifications

Catalog Number	Description
—	FasGroov Square
FGS	Square
—	Shiplap Knives for 1" (25.4 mm) Board
FGF	Female Shiplap Knife (Green)
FGM	Male Shiplap Knife (Blue)
—	Shiplap Knives for 1-1/2" (38.1 mm) Board
FGFL	Female Shiplap Knife (Red)
FGML	Male Shiplap Knife (Yellow)
—	Ductboard Knife
FGK	Duct Knife (Black)

# Ductboard Fabricating

## Kits

### FasGroov® Kits for 1" (25.4 mm) Ductboard



FGSLK Shiplap Kit-Silver Hand Tools

*Includes: FGV1, FGV24, FGV3, FGV5, FGS Square plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case.*



FGVK (Vee Kit Not Shown) Shiplap Kit-Silver Hand Tools

*Includes: FGV1, FGV, FGV5, FGS Square plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case.*

### FasGroov® Kits for 1-1/2" (38.1 mm) Ductboard



FGSLKL Shiplap Kit-Gold Hand Tools

*Includes: FGL1, FGL24, FGL3, FGL5, FGS Square plus FGK, FGML and FGFL Knives in Tool Case. Order FGSLKLW for Shiplap Kit without Square.*

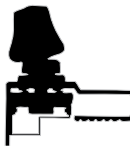

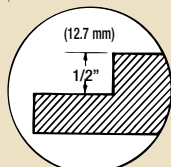
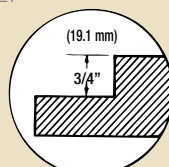
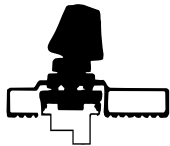

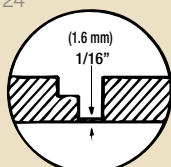
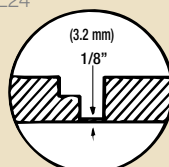
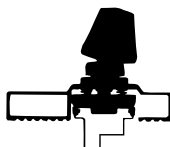

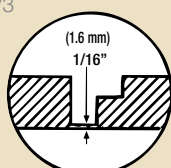
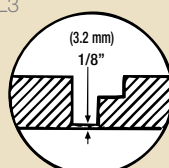
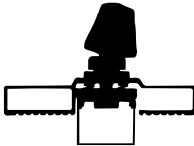

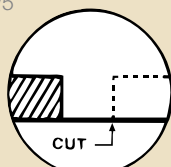
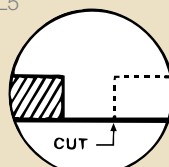
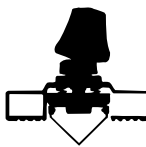

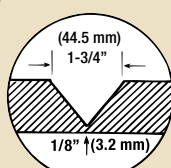
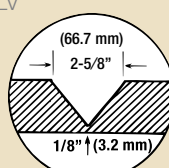
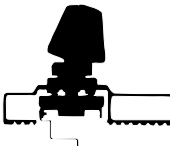

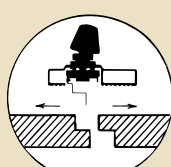


FGVKL VEE Kit-Gold Hand Tools

*Includes: FGL1, FGLV, FGL5, FGS Square plus FGK, FGML and FGFL Knives in Tool Case. Order FGVKLW for Vee Kit WITHOUT Square.*

# Ductboard Fabricating

## Tool Specifications

	COLOR	1" (25.4 mm) SILVER TOOLS	1-1/2" (38.1 mm) GOLD TOOLS
 #1 Female Shiplap		FGV1  (12.7 mm) 1/2"	FGL1  (19.1 mm) 3/4"
 #2/4 R. Hand Shiplap		FGV24  (1.6 mm) 1/16"	FGL24  (3.2 mm) 1/8"
 #3 L. Hand Shiplap		FGV3  (1.6 mm) 1/16"	FGL3  (3.2 mm) 1/8"
 #5 Staple Flap		FGV5  CUT	FGL5  CUT
 Vee-Groove		FGV  (44.5 mm) 1-3/4" 1/8" (3.2 mm)	FGLV  (66.7 mm) 2-5/8" 1/8" (3.2 mm)
 #6 Shiplap Trim Tool			

Use #6 Shiplap Trim Tool to shorten length of duct section, by measuring from outside edge of material to be scrapped. Available for 1" (25.4 mm) board only.

Catalog Number	Description	Replacement Blade Number
FGV6	#6 Shiplap Trim Tool	FGV6RB

### Kits for 1" (25.4 mm) Ductboard



Shiplap Kit #FGSLK - Silver Hand Tools

Includes: FGV1, FGV24, FGV3, FGV5, FGS Square plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case.

Shiplap Kit #FGVK - (Vee Kit Not Shown) Silver Hand Tools

Includes: FGV1, FGV, FGV5, FGS Square plus FGK, FGM and FGF Knives and #6 Tool FGV6 in Tool Case.

### Kits for 1-1/2" (38.1 mm) Ductboard



Shiplap Kit #FGSLKL - Gold Hand Tools

Includes: FGL1, FGL24, FGL3, FGL5, FGS Square plus FGK, FGML and FGFL Knives in Tool Case. Order FGSLKLW for Shiplap Kit without Square.



Vee Kit #FGVKL -

Includes: FGL1, FGLV, FGL5, FGS Square plus FGK, FGML and FGFL Knives in Tool Case. Order FGVKLW for Vee Kit WITHOUT Square.

(\*) Replacement Blade