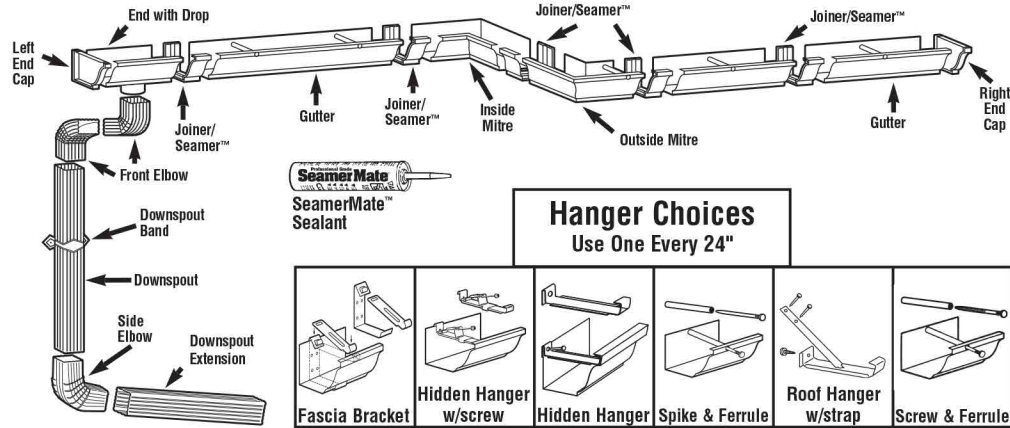


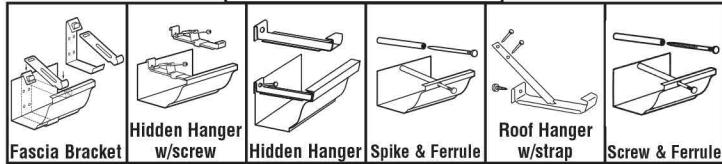
Spanish / English



Metal Gutter System INSTALLATION GUIDE



Hanger Choices Use One Every 24"



MATERIAL SELECTION GUIDE

(NOTE: STORES MAY NOT STOCK EVERY ITEM LISTED BELOW)

Use Chart to Fill in Quantity of each item needed to complete your job.

	QTY
Gutter: Sold in 10' sections	
Downspout: 10' Metal or Plastic PERM-A-SPOUT®	
Inside Mitre:	
Outside Mitre:	
Right END CAP:	
Left END CAP:	
Seamer™: Easiest, best way to connect gutters	or
Slip Joint Connector: For ease of installation, gently pry open flanges	

	QTY
End Drop:	
Wide Flange Outlet:	
Front Elbow: Plastic or Metal	
Side Elbow: Plastic or Metal	
Downspout Bands: Metal or Plastic	
SeamerMate™: or Mastic	
Sheet Metal Screws:	

HANGER CHOICES Use one every 24"

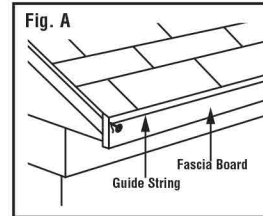
Hidden Hanger with 1/4" Hex Head Screw:	
Fascia Bracket:	
Spike & Ferrule:	

Screw & Ferrule:	
Roof Hanger with strap:	
Hidden Hanger:	

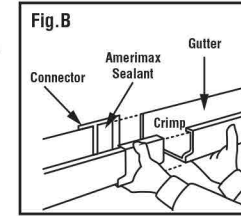
INSTALLATION INSTRUCTIONS

TOOLS NEEDED:

Hammer, Screwdriver, Tape Measure, String, Pliers, Hack Saw, Tin Snips, Level, Ladder.



STEP 1: REMOVE old gutters and inspect fascia board. **REPLACE IF NEEDED.** Now would be a good time to cover fascia board and level. Drop string about 1 in. per 40 ft. and retack string. This is sloped toward downspout (Fig. A).



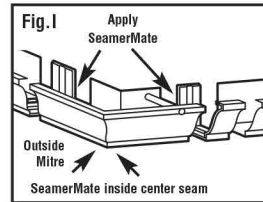
STEP 2: Assemble gutter. Begin at opposite downspout side of gutter run. Fill an end cap with mastic (SeamerMate™ for best results) and attach to 1st piece of gutter. To join two gutter sections, use a seamer - directions printed on bag - the easiest way to make a connection; or a slip joint. (gently pry open flanges for ease of installation.) (Fig. B).

STEP 3: Decide which hanger you will use.

Hanger Choices Use One Every 24"	Fig. C	Fig. D	Fig. E	Fig. F	Fig. G	Fig. H
Screw & Ferrule						
(Fig. C) Screw & Ferrule Insert ferrule into gutter and using the bit provided, drill the screw through gutter, ferrule and fascia board.	(Fig. D) Fascia Brackets 4 per pack, includes hanging nails. Nail along guide string every 24 inches.	(Fig. E) Hidden Hanger with screw 1/4 in. hex head screw, power drive into fascia board.	(Fig. F) Hidden Hanger Requires nail or screw.	(Fig. G) Spike & Ferrule* Insert ferrule into gutter and hammer spike through gutter, ferrule and fascia board.	(Fig. H) Roof Hanger with strap Only use when no fascia board exists. Follow directions printed on hanger bag.	

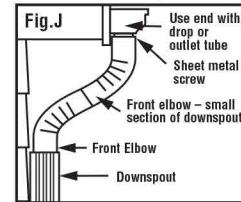
* Helpful hint: yellow pine fascia boards can bend spikes. Pre-drill pilot holes if this occurs.

STEP 4: Attaching Mitres



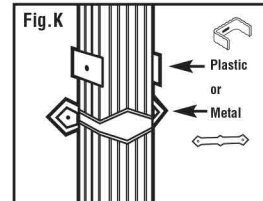
If turning a corner with a gutter, use an inside or outside mitre (Fig. I). Use a seamer or slip joint to connect mitres to gutter. Apply SeamerMate™ or mastic to inside mitre joint and all connecting points as illustrated.

STEP 5: Attaching Downspout Elbows



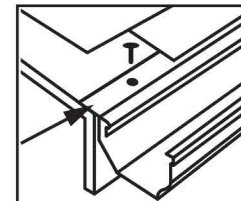
Each downspout and elbow has one end crimped. Parts are joined by fitting the larger end of one over the smaller end of the other, forcing them together tightly (Fig. J). Downspouts should fit snugly against wall. Attach a front or side elbow at the downspout's bottom to direct water away from foundation.

STEP 6: Attaching Downspouts



Fasten downspouts against wall with 2 bands per 10 ft. section using nails or screws (Fig. K).

STEP 7: Installing Drip Edges



Help direct roof run-off into gutters. To install, lift shingles and insert drip edge under shingles. Push back until drip edge projects approx. 1/2 in. beyond fascia (Fig. L). Nail under shingles every 5 ft.