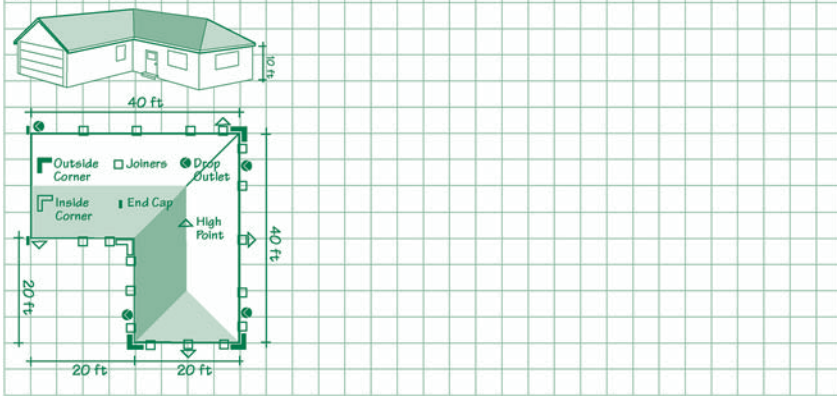




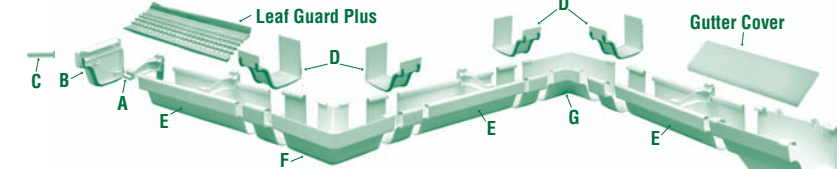
## PLANNING - Measure roof line and locate downspouts

Measure roofline requiring gutters. Divide roofline by 10 ft (3 m) for number of gutter sections. Multiply sections by 5 for number of hooks. Plan high points and locate downspouts to ensure rainwater flows away from foundation. Use 1 Downspout per 40 ft (12 m) maximum.

### EXAMPLE:

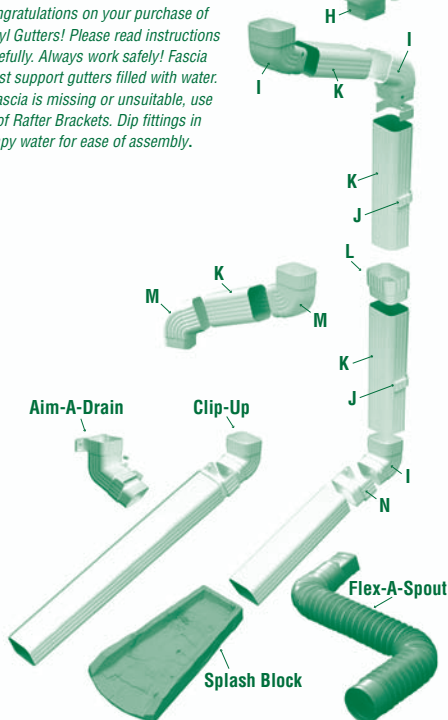


## GUTTER MATERIALS SELECTION GUIDE:



#	Description	Quantity
A	Hidden Hook	
B	End Cap	
C	Screws	
D	Joiner	
E	Gutter - 10 ft (3 m)	
F	Outside Corner - 90°	
G	Inside Corner - 90°	
H	Drop Outlet	
I	Elbow A	
J	Clip	
K	Downspout - 10 ft (3 m)	
L	Connector	
M	Elbow B	
N	Diverter	
	Leaf Guard Plus™ - 6 ft (1.8 m)	
	Gutter Cover - 48 in (1.2 m)	
	Aim-A-Drain™	
	Clip-Up™	
	Splash Block	
	Flex-A-Spout™	

*Congratulations on your purchase of Vinyl Gutters! Please read instructions carefully. Always work safely! Fascia must support gutters filled with water. If fascia is missing or unsuitable, use Roof Rafter Brackets. Dip fittings in soapy water for ease of assembly.*



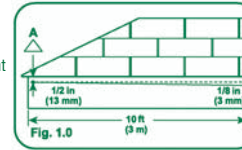
## TOOLS REQUIRED:

Eye protection, pencil, tape measure, string, level, hack saw, drill & screw driver.



## 1 MEASURE:

Snap level chalk line 1/2 in (13 mm) from top of fascia. Starting at high point (A), snap chalk Guide line, sloping down 1/8 in (3 mm) for every 10 ft (3 m) linear to downspout. (Fig. 1.0)

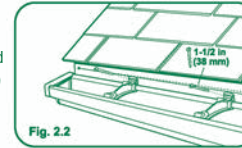
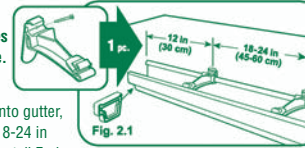


## 2 INSTALLING HOOKS:

**HOOKS: Two options - 1 piece or 2 piece, both styles are not available everywhere.**

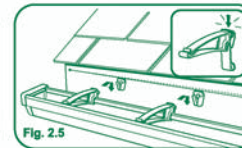
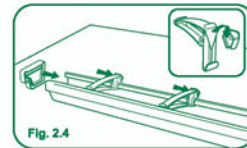
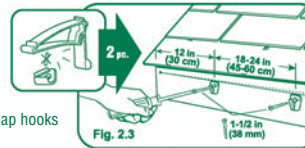
### 1 Piece Hook:

On the ground, slide hooks onto gutter, 12 in (30 cm) from end and 18-24 in (45-60 cm) apart (Fig. 2.1). Install End Cap (Fig. 2.1) as required. Using 1-1/2 in (38 mm) screws, fasten hooks to fascia on guide line. Top of hook should line up along chalk guide line. (Fig. 2.2)



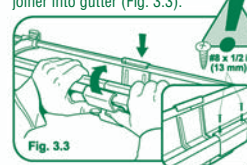
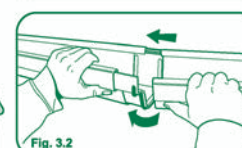
### 2 Piece Hook:

Detach dovetails and trim excess. Fasten dovetails to fascia on guide line 12 in (30 cm) from end and 18-24 in (45-60 cm) apart (Fig. 2.3). On the ground, slide hooks onto gutter (Fig. 2.4). Install End Cap as required. Align and snap hooks into dovetails (Fig. 2.5).



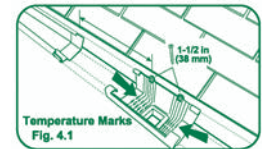
## 3 INSTALLING JOINERS:

Separate joiner pieces. Slide inside piece under back lip, then press firmly to slide into front lip (Fig. 3.1). To connect, slide next gutter section into inner joiner. (Fig. 3.2). From below, hook outside joiner piece over back and snap over front lip. Secure as shown. Fasten two (2) 1/2 in (13 mm) selftapping rust resistant screws through dimples in top edge of outer joiner into gutter (Fig. 3.3).

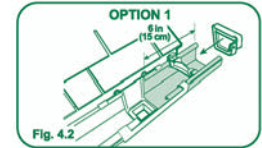


## 4 LOCATE AND INSTALL DROP OUTLETS:

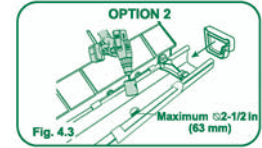
Before cutting final gutter lengths, locate and fasten Drop Outlet to fascia, 1/2 in (13 mm) below sloping chalk line. Cut final gutter lengths using temperature marks on Drop Outlet (Fig. 4.1).



• End Drop Option 1: Cut 6 in (15 cm) gutter length, install hook and end cap; slide gutter into Drop Outlet and fasten to fascia (Fig. 4.2).



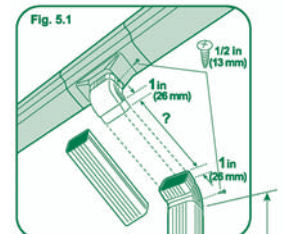
• End Drop Option 2: Run the last piece of gutter through the Drop Outlet and cut a hole in gutter directly over downspout (Fig. 4.3). Option 2 requires one end of the gutter length to be free to move back and forth to accommodate expansion/contraction.



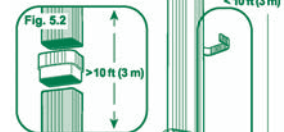
\*Do not put screws through Drop Outlet into gutter

## 5 INSTALLING DOWNSPOUTS:

**MEASURE:** Secure an Elbow to the Drop Outlet with a 1/2 in (13 mm) self-tapping rust resistant screw. Position an Elbow against wall, measure the distance between and cut a Downspout length to connect Elbows (Fig. 5.1).



**ASSEMBLE DOWNSPOUTS:** Determine Downspout length from wall Elbow to 6-12 in (30-60 cm) above ground. Use Connector if length exceeds 10 ft (3 m) (Fig. 5.2). Secure Elbows to Downspouts with 1/2 in (13 mm) self-tapping, rust resistant screws.



**FASTEN DOWNSPOUT CLIPS:** Align and attach two Clips to wall for every 10 ft (3 m) of Downspout. Use suitable fasteners for wall mounting surface. Snap Downspout into Clips (Fig. 5.3). Secure an Elbow to bottom of Downspout.



**INSTALL DIVERTER:** Attach Diverter to bottom Elbow. Secure a length of Downspout to Diverter using 1/2 in (13 mm) self-tapping, rust resistant screw. (Fig. 5.4) Attach Clip to Downspout to hold extension when upright.



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