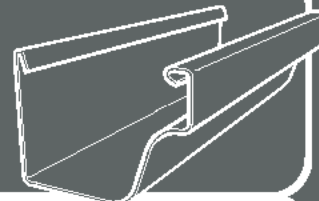


Rain Master®

TRADITIONAL

Estimating and Installation Guide



Step 1 Estimate

Draw roof line. Measure lengths for gutter.

Step 2 Select

Determine the number of parts you need.

Step 3 Install

Assemble on the ground, lift and attach.

Vinyl Gutter

The sensible, virtually indestructible building material.

Vinyl Gutter will not: rust, chip, dent, crush or leak. It stands up to winter ice, snow, heating cables, salt air and desert heat. Our vinyl is UV protected and guaranteed not to crack, peel or corrode. **No need to paint, ever!**

Rain Master®

GUARANTEED FOR A LIFETIME

Worry-free Protection

Your Vinyl Gutter System is guaranteed for as long as you own your home. To validate this warranty, please complete and mail to:

U.S.A.

GSW BUILDING PRODUCTS
43173 Woodward Ave.
P.O. Box 361
Bloomfield Hills, MI
48302
Attention: Customer Service

CANADA

GSW BUILDING PRODUCTS
26 Lorena Street
Barrie, Ontario
L4N 4P4
Attention: Customer Service

Detach and mail after installation.

Date: _____ Name: _____

Address: _____ City: _____ State/Prov.: _____

Zip/Postal: _____ Age of Home/Building (years): _____ Telephone: _____

System purchased: Traditional Contemporary Color: _____

Would you participate in a survey? YES NO Purchased from: Store _____

City: _____ State/Prov.: _____



Questions? Consult your dealer or call our hotline between 8 am - 5 pm ET

1-800-461-5706

Step 1 Estimate

This is only a guide to help you estimate your needs! All installations are different!

Begin by sketching your roofline. Note porches, additions, etc.
Measure the lengths of each gutter run.
Plan and mark downspout locations: 1 required for max. 40' of gutter.



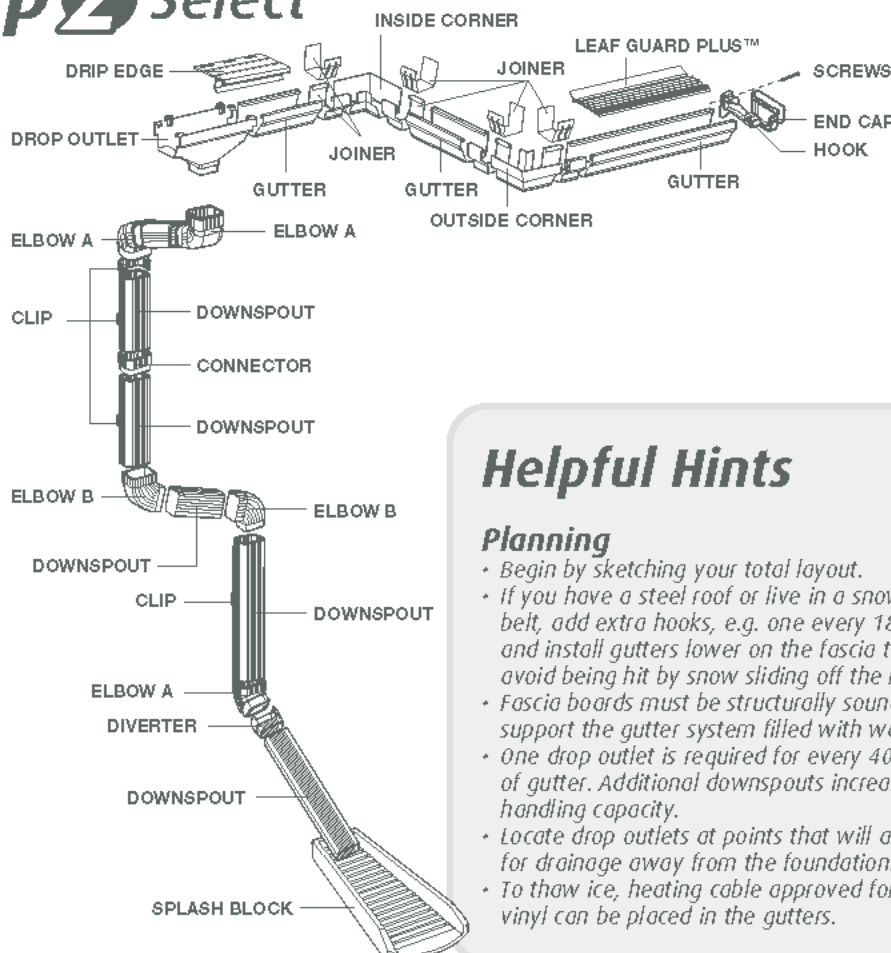
Parts are listed below in the order required for planning.

Gutter Parts	Qty	Cost per	Total
GUTTER Total length of roofline divided by 10'	X\$	each = \$	
HOOK 5 required for each 10' gutter length	X\$	each = \$	
JOINER (Two-piece) 1 to connect gutter lengths/corners Note: Does not fit onto drop outlets	X\$	each = \$	
OUTSIDE CORNER 90° - As needed. See * below for custom corners	X\$	each = \$	
INSIDE CORNER 90° - As needed. See * below for custom corners	X\$	each = \$	
DROP OUTLET 1 required for max. 40' of gutter	X\$	each = \$	
END CAP (Pairs) 1 pair required to finish each gutter run Note: Does not fit onto drop outlets	X\$	each = \$	
LEAF GUARD PLUS™ Total length of roofline divided by 6'	X\$	each = \$	
DRIP EDGE Total length of roofline divided by 10'	X\$	each = \$	

Downspout Parts	Qty	Cost per	Total
DOWNSPOUT (10' lengths) 1 required for every drop outlet	X\$	each = \$	
ELBOW A 3 required for each downspout assembly	X\$	each = \$	
ELBOW B Used to change direction along the side of the house.	X\$	each = \$	
CLIP 3 required for each downspout assembly (2 for 10' of downspout and 1 to hold diverter extension in 'up' position)	X\$	each = \$	
CONNECTOR 1 required to connect downspout lengths over 10'	X\$	each = \$	
DIVERTER 1 required at base of each downspout	X\$	each = \$	

* To make gutter corners other than 90°, instructions are available from our Customer Service desk. Please call 1 800 461 5706 between 8am – 5pm ET.

Step 2 Select



Installation

- Always work safely – never rush.
- If fascia boards are not perpendicular to the ground, use the Fascia Fixer (see Accessories).
- If parts are difficult to snap together or hooks do not slide freely, lubricate with soapy water.
- Make sure cuts are straight. Use a cutting guide, if necessary.
- A diverter is recommended at the bottom of each downspout to allow the extension to swing out of the way for yard work.
- On a straight run, put a nail or screw into fascia at outside edge of end cap to force gutter expansion into drop outlet.

Helpful Hints

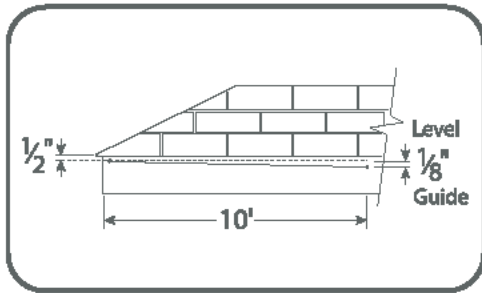
Planning

- Begin by sketching your total layout.
- If you have a steel roof or live in a snow-belt, add extra hooks, e.g. one every 18", and install gutters lower on the fascia to avoid being hit by snow sliding off the roof.
- Fascia boards must be structurally sound to support the gutter system filled with water.
- One drop outlet is required for every 40' of gutter. Additional downspouts increase handling capacity.
- Locate drop outlets at points that will allow for drainage away from the foundation.
- To thaw ice, heating cable approved for vinyl can be placed in the gutters.

After Installation

- If water is running down the fascia board behind the gutter, you may require a Drip Edge or Leaf Guard Plus™ (see Accessories).
- Your gutters must be cleaned periodically of leaves and debris. To minimize cleaning time, install a Leaf Guard Plus™ (see Accessories).
- **Never** use gutters to support your weight when climbing on to a roof.
- Gutters can be painted with a quality exterior latex paint. Check with a reputable paint manufacturer.
- **Note:** Painting is not recommended, as the maintenance-free benefits will be lost.

Step 3 Installing gutters *It's easy to assemble! No special tools!*

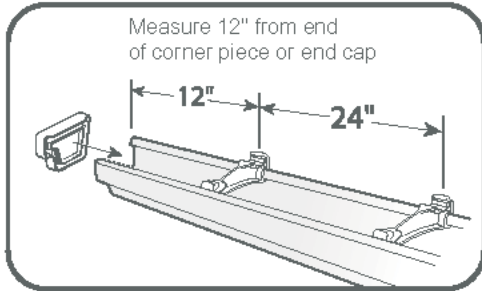


Ensure the correct slope

- At the high end of the run, drive a nail $\frac{1}{2}$ " below the top of the fascia board.
- Snap a 'level' chalk line from this nail to the opposite end of the gutter run.
- Drop the chalk line $\frac{1}{8}$ " for every 10' of gutter and snap your 'guide' line.

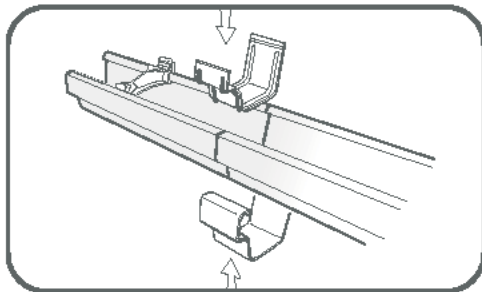


To function properly, gutters must slope $\frac{1}{8}$ " for every 10'.



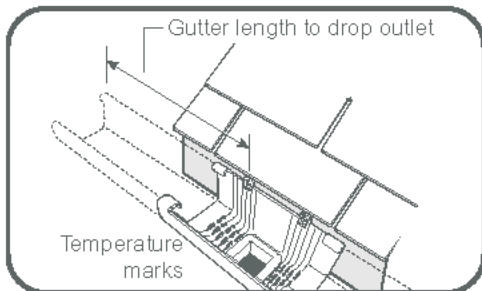
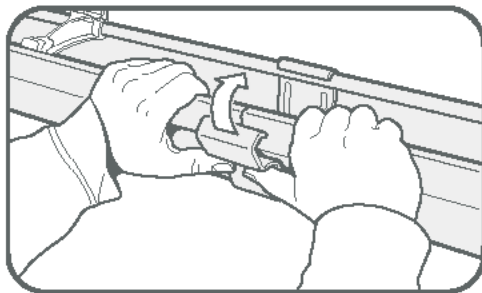
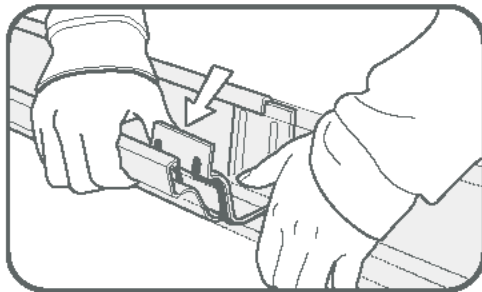
Work on the ground

- Slide hooks onto gutter and space approximately 24" starting 12" from ends.



Install your gutter

- Use a stepladder and lift each 10' section into place.
- Starting in the middle of each section, use 1- $\frac{1}{2}$ " screws to fasten hooks into the fascia along the 'guide' line. The lightweight assembly will be supported temporarily while you fasten the remaining hooks.
- To install joiners, separate the two pieces and place the inner piece with seals facing down under the back lip inside the gutter.
- Press firmly to snap the inner piece under the front lip, ensuring the seam between gutter lengths is covered.
- Place the outer cover under the gutter and hook it over the back edge.
- Pull the cover forward and press firmly to snap it over the front edge.
- Attach end caps.



No caulking required. Unique pressure-fit gaskets guarantees a leak-proof seal.

Install drop outlet before installing the final gutter length

- Along your 'guide' line, level and screw the drop outlet to the fascia using the two holes on top.
- Using the temperature guide inside the drop outlet, draw two lines above the top of the outlet that correspond to the temperature at the time of installation.
- Measure from the temperature line to the end of the last gutter section to determine the length of the final gutter section.
- Slide gutter length into the drop outlet and join other end to the last section installed.



Do I need special tools?

No!

You need, safety glasses, measuring tape, pencil, level, chalk line, saw, drill set, screwdriver set.



Joiners and end caps do not fit onto drop outlets.



To prevent the outer joiner from shifting as the gutter naturally expands and contracts, fasten two (2) $\frac{1}{2}$ " self-tapping rust-resistant screws through the two dimples in the top edge of the outer joiner into the gutter.



Gutters slide within drop outlets allowing natural expansion and contraction.



To end a gutter run at a drop outlet:

Option 1. Cut a piece of gutter 6" long, attach an end cap and slide on a hook. Insert the piece in the open end of the drop outlet and screw hook to fascia.

Option 2. Run the last length of gutter through the drop outlet to the end of the run. Slide on hook(s) and an end cap and screw hooks into fascia. Cut a hole in the gutter directly over and no bigger than the drop outlet opening or perforate to form a leaf strainer.



Is Rain Master easy to install?

Yes!

It's lightweight, has no sharp edges and requires no special tools.

Step 3 Installing downspouts

Begin at the top

- Attach an elbow to the drop outlet.
- Hold another elbow against the wall in line with the drop outlet elbow.
- To connect the elbows, use an Extension (see Accessories) or cut a downspout section to suit.
- Determine the length by measuring the gap between the elbows and adding 2" for the overlaps.
- Secure the elbows to the downspouts with 1/2" self-tapping rust-resistant screws.

Assemble your downspout lengths

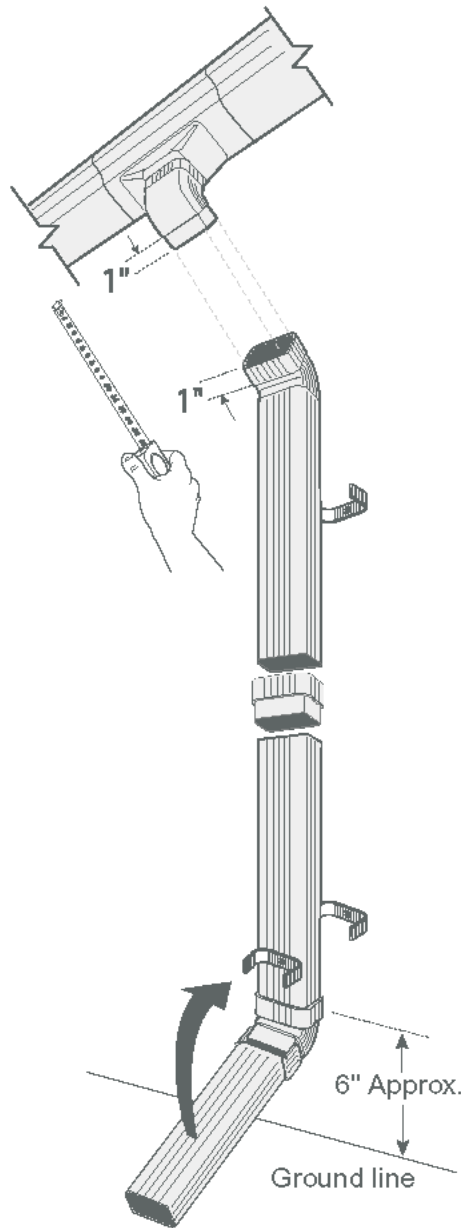
- Determine the total height of downspout by measuring from the wall elbow to approximately 6" above the ground.
- If total length is over 10', downspout sections must be joined with a connector.
- At the bottom of the downspout, secure an elbow with a 1/2" self-tapping rust-resistant screw.

Install your downspouts

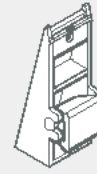
- Line up downspout assembly with drop outlet to determine location of downspout clips.
- Attach 2 clips to wall for every 10' section.
- Snap the downspout assembly into the clips.

Install your diverter

- Attach a diverter to the bottom elbow.
- Attach a downspout section to the diverter.
- Add a clip to the outside of the downspout to secure the extension out of the way for yard maintenance.



Accessories



FASCIA FIXER

Provides a vertical surface (if fascia is not) for gutter hooks & drop outlets. Cam faces out. Fasten single 2 1/2" screw through both parts into fascia.



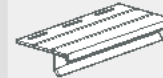
ROOF RAFTER BRACKET

If no fascia exists, mount long end of bracket to one side of roof rafter and attach hooks to other end.



SCREWS

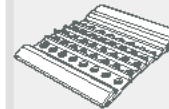
#8 - 1 1/2" rust-resistant screws. Perfect size to attach fittings. Qty: 25/pack



DRIP EDGE

Extends roof edge into gutter. Slip and fasten nail-hole side under shingles. Fin should point down into gutter.

Note: Not required if using Leaf Guard Plus™.



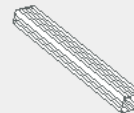
LEAF GUARD PLUS™

Keeps leaves and debris out of gutters. Install by sliding onto top clips of the hooks with wide flange to fascia.



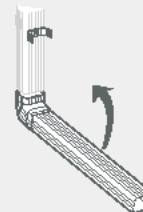
ELBOW B

Used to change direction along the side of the house.



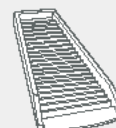
EXTENSION

For connecting elbows at top of downspout assembly or to diverter.




CLIP-UP DIVERTER


Directs water away from foundation. Attaches to any 2" x 3" downspout with screws provided. Lifts for easier yard work, secures with clip provided.



SPLASH BLOCK

Place at the end of downspout or diverter assembly to disperse water evenly and prevent erosion.

 Downspout damage usually occurs at heights under 6'. Our vinyl downspouts and Clip-Ups fit all 2" x 3" vinyl or metal gutter systems and resist crushing or denting.

 Elbow A is used to direct water away from the house and Elbow B is used to change the direction along the side of the house. Look for the arrow on the elbows to determine the flow direction.