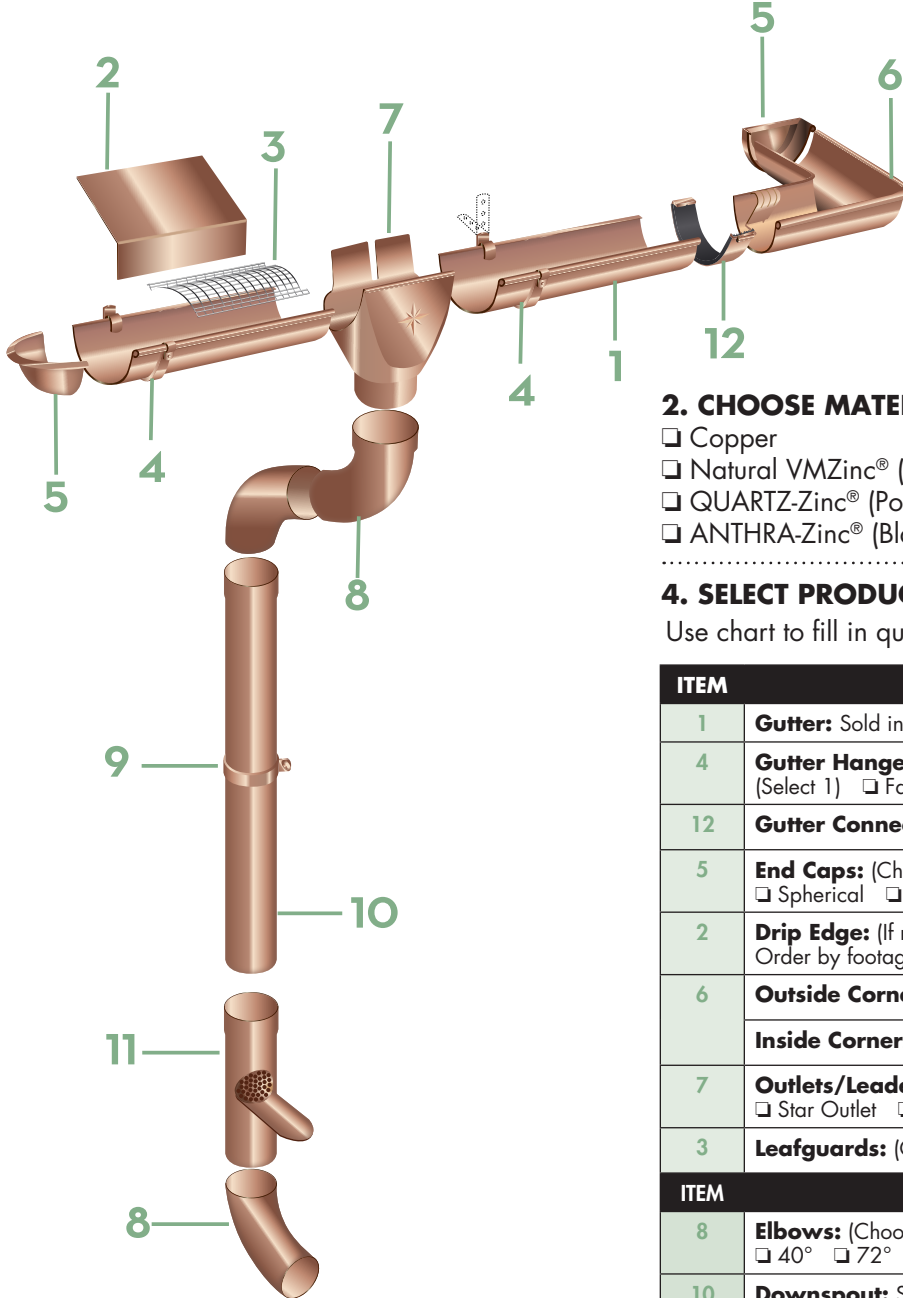
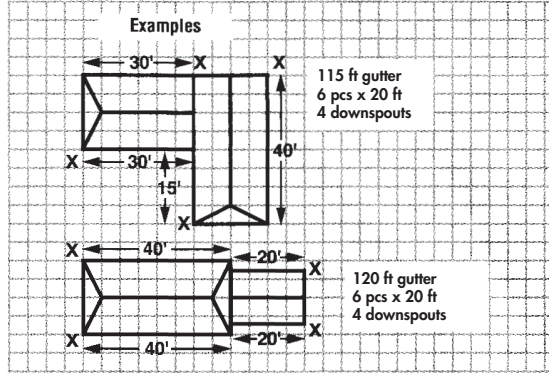


INSTALLATION GUIDE

1. SKETCH YOUR ROOFLINE

- Measure roofline where gutter will be installed
- Mark "X" where downspout is located



2. CHOOSE MATERIAL

- Copper
- Natural VMZinc® (Gray)
- QUARTZ-Zinc® (Polished Gray)
- ANTHRA-Zinc® (Black)

3. CHOOSE SIZE

- | | |
|-------------------------------|-------------------------------|
| Gutter | Downspout |
| <input type="checkbox"/> 5" | <input type="checkbox"/> 3.1" |
| <input type="checkbox"/> 6" | <input type="checkbox"/> 4.7" |
| <input type="checkbox"/> 7.6" | |

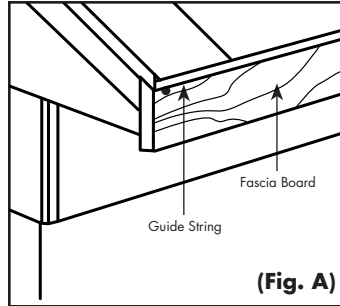
4. SELECT PRODUCTS

Use chart to fill in quantity of each item needed to complete your job.

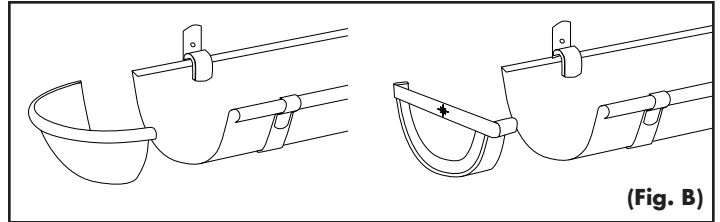
ITEM	GUTTER	QTY
1	Gutter: Sold in 20 ft. sections.	
4	Gutter Hanger: 1 every 2 ft of gutter (Select 1) <input type="checkbox"/> Fascia <input type="checkbox"/> Roof Mount	
12	Gutter Connector: (as alternative to soldering gutter sections)	
5	End Caps: (Choose type) <input type="checkbox"/> Spherical <input type="checkbox"/> Soldered Right <input type="checkbox"/> Soldered Left <input type="checkbox"/> Box	
2	Drip Edge: (If needed) Order by footage	
6	Outside Corners/Miters Inside Corners/Miters	
7	Outlets/Leaderheads: (Choose type) <input type="checkbox"/> Star Outlet <input type="checkbox"/> Basic Drop <input type="checkbox"/> Custom Order (Call for info)	
3	Leafguards: (Optional) 65.5 ft per box	
ITEM	DOWNSPOUT	QTY
8	Elbows: (Choose angle) <input type="checkbox"/> 40° <input type="checkbox"/> 72° <input type="checkbox"/> 85°	
10	Downspout: Sold in 10 ft sections	
9	Bracket: 1 at top / 1 at bottom / 1 every 10 ft (Choose type) <input type="checkbox"/> With pin <input type="checkbox"/> With bolt screw	
11	Inline Cleanout (Optional)	
ITEM	TOOLS	QTY
	Hanger Bending Tool	
	Setting Tool	

INSTALLATION INSTRUCTIONS

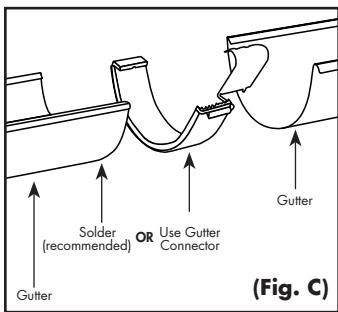
Step 1: REMOVE old gutters and inspect fascia board. **REPLACE IF NEEDED.** Tack a string to fascia board and level. Drop string about 1/4 in. per 20 ft. and retack string. This is sloped toward downspout. **(Fig. A)**



Step 2: Assemble gutter. Begin at opposite downspout side of gutter run. Snap end cap to gutter and solder. **(Fig. B)**

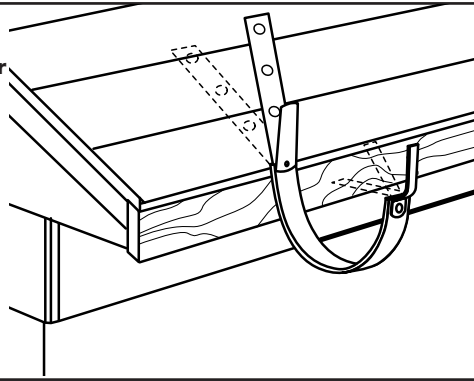


Step 3: Join two gutter sections. Rivet and solder (recommended) or use gutter connectors. **(Fig. C)**

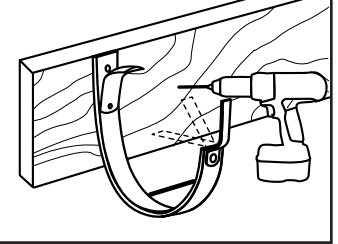


Step 4: Decide which hanger you will use.

(Fig. D) Roof Mount Hanger
(1 every 2 ft of gutter)
Installed on roof (not fascia) under shingles. Used for new construction or when fascia board not available. Use Hanger Bending Tool to install.

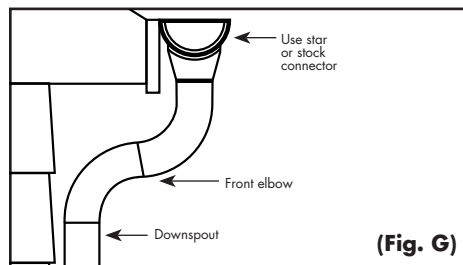
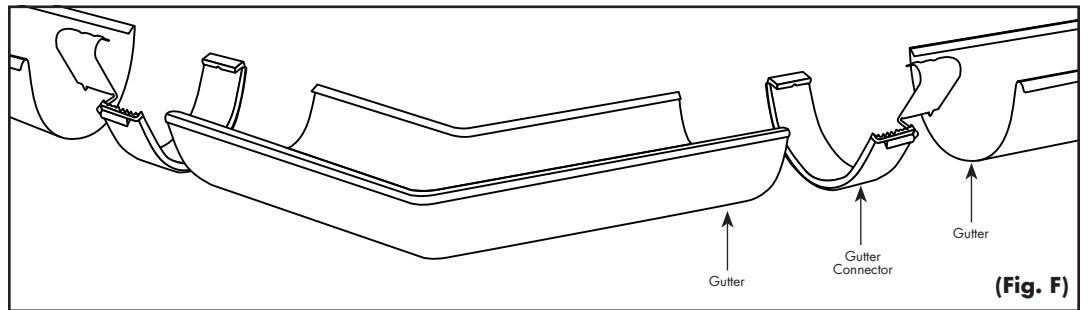


(Fig. E) Fascia Mount Hanger
(1 every 2 ft of gutter) Installed on fascia board.



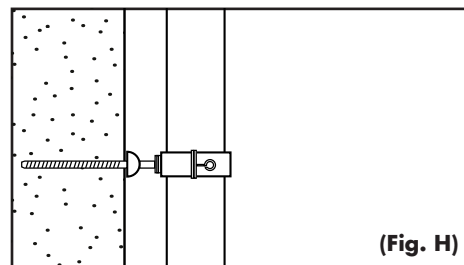
Step 5: Attaching Corners/Miters
If turning a corner with a gutter, use an inside or outside corner/miter. **(Fig. F)**

Solder (recommended) to connect corners/miters to gutter **OR** use gutter connector. (For VMZinc®, solder only.)

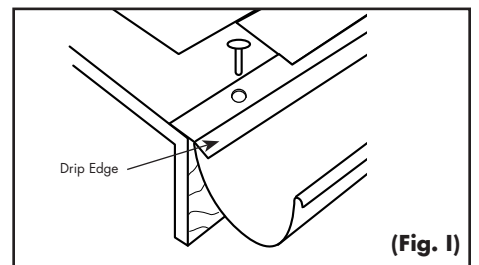


Step 6: Attaching Spout and/or Elbows
Each downspout and elbow has one end expanded. Parts are joined by fitting the larger end of one over the smaller end of the other, forcing them together tightly. **(Fig. G)**

Downspouts should be set approximately 1 inch from building. Attach a front or side elbow at the downspout's bottom to direct water away from foundation.



Step 7: Attaching Downspout
Fasten downspouts against wall. **(Fig. H)**
Use 1 bracket at top; 1 bracket at bottom; and 1 every 10 ft.



Step 8: Installing Drip Edge
Help direct roof run-off into gutters (optional). To install, lift shingles and insert drip edge under shingles. Push back until drip edge projects approx. 1/2 in. beyond fascia. Nail under shingles every 5 ft. **(Fig. I)**