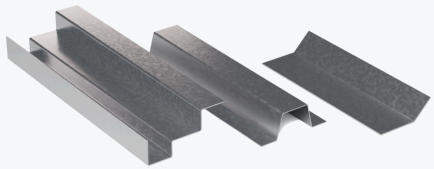
CUSTOM BENT PROFILES

Angles, channels, Z, hats and multi-bend shapes to your sketch · any angle · any number of bends · 25 to 12 gauge · up to 12'



Step closure, hat and open angle, shown

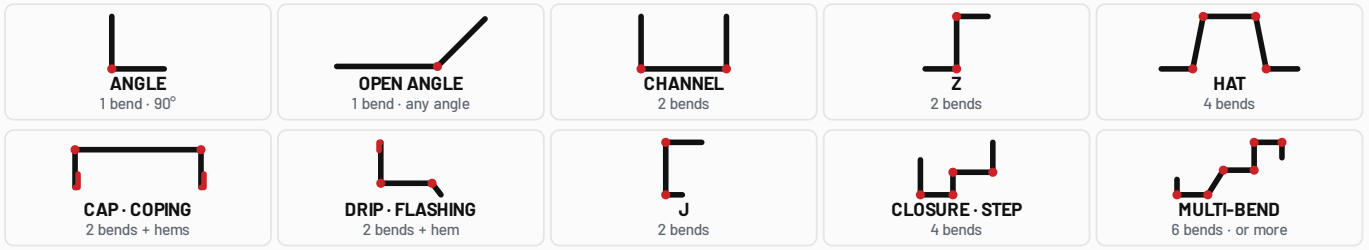
PRODUCT 30 · CUSTOM STEEL PROFILES

When a standard stud, track, angle or Z does not fit, Saturn Metal offers **custom bent profiles to your sketch**: bends at **any angle**, **as many as the profile needs**, in galvanized steel from **25 to 12 gauge**, lengths **up to 12'**, from raw material **up to 48" wide**.

1. **Sketch it.** fill in the request form on page 2, or send your own drawing
2. **We draw it.** you get a dimensioned drawing with the raw width, and a quotation
3. **You approve.** the approved drawing is the profile you receive
4. **Ready to go.** in the lengths you order, bundled and labelled by mark, for pick-up or delivery as arranged

THICKNESS	MILS	BENDS	HOW MANY	LENGTH	RAW WIDTH
25 to 12 ga	18 to 97	Any angle	Any number	Up to 12'	Up to 48"

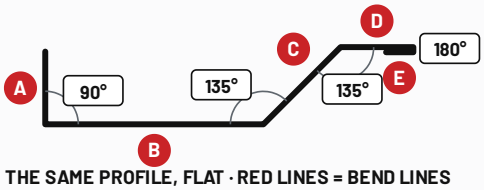
1 SHAPES TO ORDER



RED DOTS = BENDS · RED = HEMS · EXAMPLES ONLY: ANY SHAPE, ANY ANGLE, AS MANY BENDS AS THE PROFILE NEEDS

2 HOW TO DIMENSION YOUR SKETCH

YOUR SKETCH · END VIEW · A = 1", B = 3", C = 1-1/2", D = 1", E = 3/8"



THE SAME PROFILE, FLAT · RED LINES = BEND LINES



RAW WIDTH = A + B + C + D + E = 6-7/8" · MAX. 48"

1. **LETTER EVERY LEG** — A, B, C... and give its length
2. **MEASURE TO THE OUTSIDE** — of the steel, or mark the form "inside"
3. **GIVE EVERY ANGLE** — the included angle between two legs
4. **90° = SQUARE · 180° = HEM** — a hem is folded back flat on itself
5. **SHOW THE DIRECTION** — which way each bend turns
6. **ADD THE LEGS** — for the raw width: 2" × 4-1/2" angle = 6-1/2"

3 THICKNESS · 25 TO 12 GAUGE

25 GA	20 GA	18 GA	16 GA	14 GA	12 GA
18 mil · 0.018"	**33 mil · 0.033"**	**43 mil · 0.043"**	**54 mil · 0.054"**	**68 mil · 0.068"**	**97 mil · 0.097"**
0.064 lb/ft per inch of width	**0.118** lb/ft per inch of width	**0.153** lb/ft per inch of width	**0.193** lb/ft per inch of width	**0.243** lb/ft per inch of width	**0.346** lb/ft per inch of width
Closures, flashings, light trims	Closures, backing, light angles	Angles, clips, bulkhead framing	Angles, clips, sills, headers	Heavier clips, brackets, girts	Heavy brackets and plates

Weight ≈ raw width (in) × factor, steel only: 2" × 4-1/2" angle, 16 ga = 6.5 × 0.193 ≈ 1.25 lb/ft. Inside bend radius about one thickness; for very short legs or tight hems, ask us. Load-carrying profiles are sized by the designer.

Important notice. General product information only; not engineering, design or installation advice. A qualified design professional must review every application; the building code, the project documents and the drawing approved with the quotation govern. Dimensions are nominal. Saturn Metal may change product information without notice. Saturn Metal is a metal products manufacturer and/or supplier; this sheet does not mean the product is manufactured by Saturn Metal. © Saturn Metal

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SPECIAL PROFILE REQUEST FORM

Fill in on screen or print · sketch your profile · send it to us for a dimensioned drawing and a quotation

How to use this form. Fill it in on screen or print it, sketch the end view in the grid (see page 1), and send it to **Sales@SaturnMetal.ca** or your Saturn Metal contact, with your own drawing if you have one. We reply with a dimensioned drawing and a quotation.

1 · CONTACT AND PROJECT

Company _____ Contact _____ Phone _____

Email _____ Project _____ Site / city _____

Date _____ Required by _____ Your ref. / PO _____

2 · MATERIAL AND PROFILE

THICKNESS ☐ 25 ga · 18 mil ☐ 20 ga · 33 mil ☐ 18 ga · 43 mil ☐ 16 ga · 54 mil ☐ 14 ga · 68 mil ☐ 12 ga · 97 mil

COATING ☐ G40 ☐ G60 ☐ G90 ☐ Other: _____

SHAPE ☐ Angle ☐ Channel ☐ Z ☐ Hat ☐ Cap ☐ Flashing ☐ Closure ☐ Other

DIMENSIONS TO ☐ Outside ☐ Inside **HEMS** ☐ None ☐ Open ☐ Closed (flat)

Profile mark / name _____ Number of bends _____ Raw width (max. 48") _____

3 · SKETCH OF THE END VIEW



LEG LENGTH		ANGLE °	
A		1	
B		2	
C		3	
D		4	
E		5	
F		6	
G		7	
H			

Angle 1 is between legs A and B, angle 2 between B and C, and so on.

5 mm grid · letter every leg A, B, C… · give every angle (90° = square, 180° = hem) · show which way each bend turns

4 · LENGTHS AND QUANTITIES · LENGTHS UP TO 12'

MARK	PROFILE	LENGTH	QUANTITY (PCS)	NOTES

5 · DELIVERY, NOTES AND APPROVAL

☐ Pick-up ☐ Deliver to: _____

Notes · special requirements

Name _____

Signature _____

Date _____

FOR SATURN METAL Quote no. _____ Drawing no. _____ Approved _____