

### MATERIAL AVAILABILITY & ENGINEERING KEY

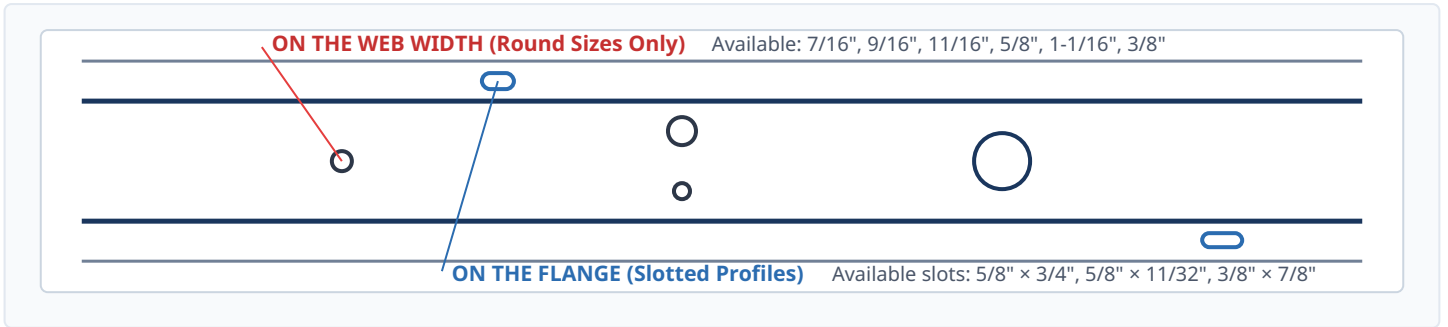
**[ GALV / RED OX ]** — Available in both Hot-Dipped Galvanized (G90) and Red Oxide Primer.

**[ GALV ONLY ]** — Available in Hot-Dipped Galvanized (G90) only. Red Oxide is Not Available.

**[ CONTACT ENG. ]** — Small-profile 10GA restriction. Requires engineering layout validation.

**Structural Performance:** Grade 55 Steel | 55 ksi Min Yield | 70 ksi Min Tensile (ASTM A653 / A1011).

### IN-LINE HOLE PUNCH PLACEMENT PROFILE



### IN-LINE PRE-PUNCHING TOOLING CONFIGURATIONS

PUNCH PROFILE GEOMETRY	STANDARD INDUSTRY SIZE	METRIC MANUFACTURING SIZE	PRIMARY INDUSTRY DEPLOYMENT / FIELD APPLICATION
Round / Circular Pass	<b>3/8" Hole</b>	9.50 mm	Solar panel clamps & micro-inverter bonding pins.
Round / Circular Pass	<b>7/16" Hole</b>	11.11 mm	Standard 3/8" framing bolt attachments & carport canopy trim.
Round / Circular Pass	<b>5/8" Hole</b>	15.88 mm	Heavy structural rafter splices, column laps, and heavy-duty frame bolts.
Round / Circular Pass	<b>1-1/16" Conduit Hole</b>	27.00 mm	In-line wire management loops, utility paths, and conduit pipe runs.
Slotted / Oval Pass	<b>5/8" x 11/32" Slot</b>	15.88 mm x 8.73 mm	Adjustable racking tracking systems and bracket field adjustments.
Slotted / Oval Pass	<b>3/8" x 7/8" Slot</b>	9.50 mm x 22.23 mm	Standard expansion tracking slots to absorb cross-bay thermal movement.

# MASTER SIZING, GAUGE & FINISH AVAILABILITY MATRIX

PROFILE BASE SIZE (WEB × FLANGE)	CEE / C-PURLIN FINISH MAP				ZEE / Z-PURLIN FINISH MAP			
	16GA	14GA	12GA	10GA	16GA	14GA	12GA	10GA
4" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
4" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
4" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
4" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
4" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
6" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
6" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
6" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
6" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
6" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.	GALV / RED OX	GALV / RED OX	GALV / RED OX	Contact Eng.
8" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
8" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
8" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
8" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
8" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
10" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
10" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
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10" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
12" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
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12" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
12" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
12" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
14" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
14" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
14" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
14" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY

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16" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
16" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
16" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
16" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
16" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
18" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
18" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
18" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
18" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
18" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
20" Web × 2.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
20" Web × 2.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
20" Web × 3.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
20" Web × 3.50" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY
20" Web × 4.00" Flange	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY	GALV / RED OX	GALV / RED OX	GALV / RED OX	GALV ONLY

## SPECIALTY PROCESSING & CUSTOM ENGINEERING

### SPECIALTY COMPONENTS & LENGTHS

- **Eave Struts & Pitched Purlins:** Custom-formed components engineered to match specified roof pitches and canopy tracking layouts, available in continuous lengths **up to 28' long**.
- **Heavy Span Configurations:** Continuous 10GA profile processing optimized for 8" web heights and larger to maximize structural spans between foundational posts.

### SOLAR & CARPORT PROCESSING OPTIONS

- **Precision In-Line Punching: Available Upon Request.** Custom slots, round plumbing lines, and bolt patterns punch-formed mid-roll to strip out field labor and speed up assembly.
- **Material Finishes:** Hot-Dipped Galvanized G90 baseline. **Red Oxide primer finish is also fully available upon request.**
- **Structural Performance:** Minimum 55 ksi yield and 70 ksi tensile boundaries.

### Commercial Procurement, Handling, & Rush Logistics Policy:

1. **Surcharge Notice:** All substructural purlin fabrication and rolling mill orders will be assessed a flat **\$30.00 handling surcharge** appended to the final invoice billing.
2. **Rush Production: Rush orders are available when requested.** Expedited scheduling is subject to raw material coil changeover availability, immediate production slot premium overrides, and line coordination clearance.
3. Standard lead times, custom punching setups, and logistical delivery windows remain strictly subject to total order volume constraints and current master coil warehouse backlogs at the exact time of deposit verification.