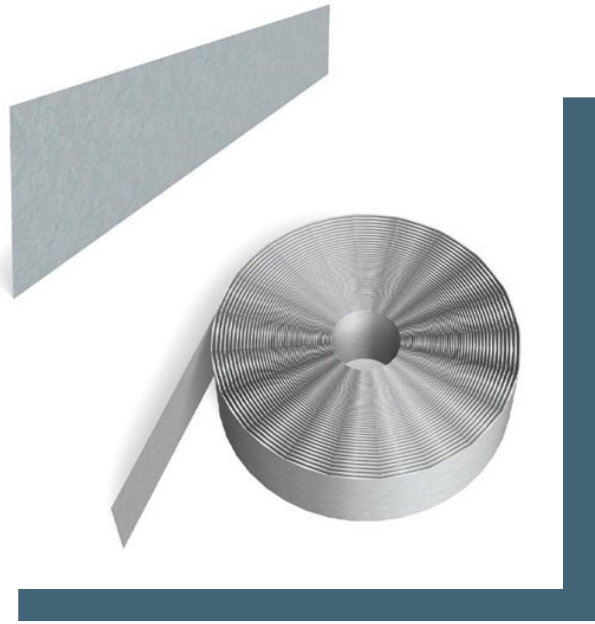




## Flat Strapping



Flat strapping is made in a variety of widths and thicknesses to meet different application requirements.

Applications include:

- Horizontal strap lateral bracing for wall studs
- Strap bridging for bottom of floor joists
- Strap backing plate for attachment of fixtures in walls
- Tension strapping for shear wall x-bracing

## **HORIZONTAL STRAP LATERAL BRACING FOR WALL STUDS**

Properly spaced horizontal steel bracing provides resistance to stud rotation and minor axis buckling under wind and axial loads. Block and strapping is typically used when wall studs exceed 6”.

Both stud flanges must be attached to top and bottom runner flanges to provide proper end support. Floor and ceiling runners must also be anchored securely to the structure. To utilize the stud’s load carrying capacity fully, horizontal bracing must be installed at proper intervals.

## **STRAP BACKING PLATE FOR ATTACHMENT OF FIXTURES IN WALLS**

Strapping backing plate is a general multipurpose flat stock that is used for backer plate to support shelves, cabinets, fixtures or handrails when applied to metal framing.

## **STRAP BRIDGING FOR BOTTOM OF FLOOR JOISTS**

Block and strap bridging is installed to prevent joist rotation and lateral movement. Solid blocking, a field-cut track or joist section, is welded or screw-attached between the first and last two outer joist bays and at a maximum of 8’ O.C. along the strap, over all interior supports and adjacent to floor openings. Two-inch wide corrosion resistant strapping is also screw-attached or welded to the bottom of every joist flange. Lateral support on the top flanges is usually provided by sub floor or deck material.

# TENSION STRAPPING FOR SHEAR WALL X-BRACING

Diagonal tension strapping and gusset plate components are used in combination to provide shear-wall (racking restraint) for lightgauge load-bearing framing under wind and seismic loads. They are normally installed on both sides of the wall directly over framing members and are easily covered with facing materials. Straps are positioned diagonally from the bottom track to the top track. In order to resist load in each direction, an X-configuration should be used. At a minimum, double studs are positioned at ends of the X-brace to serve as compression studs.

## PRODUCT DATA & ORDERING INFORMATION

Strapping is available in coil form or flat length of 10’

- 10’ long strapping widths available: 1” to 12”
- Thicknesses: 18mils (25ga) - 97mils (12ga)

Manufactured in accordance with CAN/CSA S-136-16 (North American specification for the design of cold-formed steel structural members), ASTM A653/A653M (Standard for steel sheet, zinccoated (galvanized) or zinc-iron alloy-coated by the hot-dip process), ASTM C645 (Standard specification for non-structural steel framing members).