

8000 Series Shelving Specifications

Materials - Roll-formed "T" uprights - hot-rolled steel of gauges specified. Shelf clips - hot-rolled steel of gauges specified. Other sheet steel - cold-rolled and hot-rolled and of gauges specified.

Uprights

"T" Uprights - all posts punched on 1½" centers with pairs of parallel slots 1½" long, with one slot keyhole-shaped for bolting cross braces and accessories to uprights.

Open Uprights - consist of two 16-gauge, hot-rolled, formed steel "T"s 1½" x 2½" x ¼" with one pair of 1" x 12-gauge band cross braces on uprights less than 120" high. Uprights 120" and higher - two or more pairs of 1" x 12-gauge band cross braces as required.

Closed Uprights - two 16-gauge, hot-rolled, formed steel "T"s 1½" x 2½" x ¼" with 24-gauge side sheet spot-welded on 6" centers to the ½" extension of the "T".

Beaded Post Uprights - all posts shall be punched on 1½" centers with pairs of parallel slots 1½" long with one slot keyhole-shaped for bolting cross braces and other accessories to uprights. NOTE: Due to loading limitations, beaded post shelving is designed for single-tier (non-mezzanine) use only.

Open Uprights shall consist of one front 16-gauge, cold-rolled, formed steel beaded post ¾" x 2½" x ¼" and one rear 16-gauge, hot-rolled, formed steel tee 1½" x 2½" x ¼" and one pair of 1" x 12-gauge band cross braces on uprights less than 120" high. Uprights 120" and higher shall have two or more pairs of 1" x 12-gauge band cross braces as required.

Closed uprights shall consist of one front 16-gauge, cold-rolled, formed steel beaded post ¾" x 2½" x ¼" and one rear 16-gauge, hot-rolled, formed steel tee 1½" x 2½" x ¼" and shall have a 24-gauge side sheet spot-welded on 6" centers on the ½" extensions of the beaded post and the tee.

Offset Angle Uprights - all uprights shall be punched on 1½" centers with pairs of parallel slots 1½" long with one slot to have an 1½" diameter hole in center for the attachment of cross braces, bolting shelving and other accessories. The end of each slot is embossed to ensure perfect clip fit-up.

Open uprights consist of two 13-gauge, hot-rolled, formed steel "offset angles" 1" x 2½" with one pair of 1" x 12-gauge band cross braces on uprights less than 96" high. Uprights 96" and higher shall have two or more pairs of 1" x 12-gauge band cross braces as required.

Closed uprights consist of two 13-gauge, hot-rolled, formed steel "offset angles" 1" x 2½" with 24-gauge side sheet. Side sheets are punched with holes for bolting to uprights.

"Box Post" Uprights - all posts shall be punched on 1½" centers to accept either clip attachment or bolt attachment. Each upright shall consist of two 14-gauge, hot-rolled, formed steel "box posts" 1¾" x 1 11⁄16" with two 4 11⁄16" x 12-gauge ladder braces on uprights of 96" or less. 120" and 144" uprights require three ladder braces.

Shelf Clips - 12 gauge, hot-rolled, one-piece construction. Four shelf clips used with each shelf.

NOTE: "Box post" uprights require the use of the **65160** integration clip.

Shelves

Medium Duty (M) Industrial Shelves - 22-gauge with front and rear "Box W" formation. The front and rear "Box W" formation is not less than 1 11⁄16" x 2 7⁄16" x 1 1⁄8" with a ¾" return flange spot-welded to bottom surface of the shelf. The 2 7⁄16" portion of the "Box W" formation shall have a 10-degree bend in the center for additional strength and rigidity. The front and rear flanges of the shelf shall be punched to accept bin fronts, label holders and other accessories. Ends are to be flanged not less than 1 11⁄16" with a 90-degree return flange of not less than ¾". All corners lapped and welded. All shelves punched on 3" centers for divider attachment. The front and rear flanges of the shelf are to be embossed with "22 GA." Shelves also punched at 4 corners for bolting to uprights.

Traditional Industrial Shelves - 18-gauge with front and rear flanged down not less than 1 11⁄16" with return flange of not less than ¾" at approximately 10 degrees, and punched to accommodate label holder and accessories. Ends are to be flanged not less than 1 11⁄16" with a 90-degree return flange of not less than ¾". All corners lapped and welded. All shelves punched on 3" centers for divider adjustment. The front and rear flanges are to be embossed with "18 GA." Must request punching for bolting to uprights for 12", 18", 24" and 36".

Heavy Duty (H) Industrial Shelves - 20-gauge with front and rear "Box W"

formation. The front and rear "Box W" formation is not less than 1 11⁄16" x 2 7⁄16" x 1 1⁄8" with a ¾" return flange, spot-welded to the bottom portion of the shelf. The 2 7⁄16" portion of the "Box W" formation shall have a 10-degree bend in the center for additional strength and rigidity. The front and rear flanges of the shelf shall be punched to accept bin fronts, label holders and other accessories. Ends are to be flanged not less than 1 11⁄16" with a 90-degree return flange of not less than ¾". All corners lapped and welded. All shelves punched on 3" centers for divider attachment. The front and rear flanges of the shelf are to be embossed with "20 GA."

Extra Heavy Duty (X) Industrial Shelves - 18-gauge with front and rear "Box W" formation. The front and rear "Box W" formation is not less than 1 11⁄16" x 2 7⁄16" x 1 1⁄8" with a ¾" return flange spot-welded to the bottom portion of the shelf. The 2 7⁄16" portion of the "Box W" formation shall have a 10-degree bend in the center for additional strength and rigidity. The front and rear flanges of the shelf shall be punched to accept bin fronts, label holders and other accessories. Ends are to be flanged not less than 1 11⁄16" with a 90-degree return flange of not less than ¾". All corners lapped and welded. All shelves punched on 3" centers for divider attachment. Shelves also punched at four corners for bolting to up-rights. The front and rear flanges of the shelf are to be embossed with "18 GA."

Lateral Cross Braces - 1" x 12-gauge band formed and punched at each end to bolt to upright post. One pair of lateral cross braces - used with every three shelving sections with shelf spacing less than 30". Shelving sections with 30" or greater shelf spacings - two pairs of lateral cross braces with every three shelving sections.

Backs - two half panels of heavy gauge steel providing a total of three vertical rows of holes on 1½" centers for attachment to shelves with back to shelf clips optional and with three screws at the top and bottom shelves, two at midpoint. One-piece backs are optional - heavy gauge steel, no wider than 48".

Shelf Boxes - heavy gauge steel body with divider slots on 1" centers of box sides. heavy gauge box fronts have integral handle and card holder. Heavy gauge box backs have integral "E" stop. Shelf boxes provided with heavy gauge galvanized steel dividers with integral card holders.

Label Holders - 24-gauge steel, friction type with ¾" inside dimension, and attached to shelves with three spring fasteners.

Crosswise Dividers - Front and rear edges - ¾" O.D. curls. Top and bottom - flanges not less than ¾" punched for attaching to shelves. All crosswise dividers up to 18" high and 18" deep are heavy gauge steel. Crosswise dividers over 18" high and 21" deep are heavy gauge steel.

Lengthwise Dividers - Range from 22-gauge to 18-gauge steel depending upon shelf spacings.

Bin Fronts - Top and bottom edges - ¾" O.D. curl. Each end - ¼" offset to engage upright "T"s. Bin fronts - punched to screw to the front flange of shelves. Label holder tangs on 2" centers - provided on 3" bin fronts. 1" bin fronts - heavy gauge steel 3" bin fronts wider than 42" shall be heavy gauge.

Bases - channel shaped with ends constructed to engage upright "T"s and lock in place with a spring fastener. 3" high base - heavy gauge steel and 6" high bases shall be heavy gauge.

Sliding Doors - heavy gauge steel with three heavy gauge horizontal pan reinforcements on full-height sliding doors and one heavy gauge horizontal pan reinforcement on above and below ledge sliding doors with built-in pulls and one built-in lock per pair of doors. Sliding doors - suspend and operate from integral ball bearing rollers that run on 16-gauge upper tracks and are contained by 16-gauge lower tracks. Each pair of sliding doors covers two full sections of 36" wide shelving. NOTE: Sliding doors are to be used with T-post uprights only.

Swinging Doors - heavy gauge steel with one full-height heavy gauge pan reinforcement per door. Each pair of double swinging doors has three point latching with one built-in lock. One pair of double swinging doors covers one full section of 36" wide shelving.

Counter Tops - 14-gauge steel with cornice formation at front and rear. 16-gauge end finishing strips attached with bolts.

Ledges and Ledge Tops - 14-gauge steel with cornice formation at front. Optional 16-gauge end finishing strips attached with bolts. Ledge shelves - 18-gauge with optional Class 2 front flange reinforcements. Ledge shelves - bolted to front flanges of existing shelves and attached to two front upright "T"s" with 12-gauge shelf clips. NOTE: For T-post upright only.

Seismic Information - Lyon is equipped to handle all seismic requirements. Contact your local Lyon factory representative for specific seismic information relating to your area.