

EXPANDED METAL ALL-WELDED LOCKER SPECIFICATIONS

(KNOCKED DOWN & ALL WELDED)

Material — Expanded metal shall be $\frac{3}{4}$ " mesh 13 gauge flattened carbon steel providing approximately 74% open area. Gauges and other steel parts shall be as listed below. Bolts to be zinc-plated or subjected to other comparable rust-retardant treatment.

General Construction — (Applies to all welded only) All lockers shall be pre-assembled, with all seams and joints welded for rigidity and durability.

Body — Sides shall be constructed with 13 gauge expanded metal with 20 gauge steel hemming welded to all four edges, resulting in a completely smooth frame around the expanded metal. The 16 gauge flat top and bottoms shall be offset to extend into frame cross members. (Not applicable on Multiple Tier Lockers.) All shelves and intermediate bottoms shall be flanged on all four sides for strength with the front flange returned 45° for safety. Backs shall be 18 gauge, cold-rolled steel. Individual sloping tops shall be 20 gauge cold-rolled steel.

NOTE: Lyon strongly recommends that exposed side end sheets be of solid material.

Door Frame — Shall be 16 gauge formed steel channels. Vertical members shall have an additional flange to form continuous door strike. Corners shall be lapped and welded into a rigid assembly.

In addition, bottom cross members shall have tang at each end that fits through slot in rear flange of upright frame member to prevent twisting out of alignment. Top and bottom cross members shall provide support for front edge of locker top and locker bottom.

Door — Single, double and triple tier doors only shall consist of 12 gauge angle frame and 12 gauge center lock plate with 13 gauge flattened expanded metal welded to inside. Center lock plate to be backed by 16 gauge retainer plate formed to provide a retainer for edges of expanded metal. The 21" and wider single tier locker doors to have 14 gauge reinforcing "K-brace" welded to angle frame for rugged, sag-resistant operation.

Multiple-tier locker doors only shall be one-piece, 16 gauge cold-rolled steel $\frac{17}{32}$ " x $1\frac{1}{16}$ " diamond shaped perforations surrounded by a minimum of $\frac{1}{4}$ " steel webbing. Hinge side of doors shall be channel shaped formation with other three sides flanged at 90° angle.

Latching — Single, double and triple tier lockers shall have a locking device to engage the frame at three points. Locking device shall consist of two $\frac{5}{16}$ " cold-drawn steel rods and 12 gauge center locking disc. 12 gauge security clip to be welded to lock plate to prevent disc from being disengaged from built-in lock bolt and also to provide a padlock attachment. Box lockers only shall have a one-point locking device with a 14 gauge lock clip for locking with padlocks, built in key or combination locks. Single tier locker doors to be equipped with a 12 gauge lock rod guard to reduce vandalism.

Hinges — Shall be not less than 2" high, .050" steel, 5 knuckle, full-loop forming double thickness on each leaf. Hinges to be set in slots in frame and projection-welded to frame – securely attached to door. Hinge pin to be spun over at ends. Single tier lockers 72" and 60" high to have three hinges, 48" high to have two hinges, and multiple-tier to have two hinges – all on right-hand side of door.

Hat Shelves — Single tier lockers shall have one 16 gauge hat shelf approximately 12" below top. Flanged on sides and back-channel formation on front flange – attached at no less than two points through each side flange. Double tier, triple tier and multiple tier lockers do not have hat shelves.

Coat Hooks — Single tier, double tier and triple tier lockers shall have one double-prong (ceiling) hook and three single prong wall hooks. All hooks to be zinc-plated or subjected to a comparable rust-retardant treatment and attached with two bolts or rivets.

Number Plates — Optional aluminum number plates with etched figures at least $\frac{3}{8}$ " high.

Finish — Steel parts shall be thoroughly cleaned, given a bonding and rust inhibitive phosphate treatment, and a powder coat finish. Complete locker must be finished in same color. See page 2 for finish options.

NOTE: Contact Lyon for finish compatibility with any chemicals.

Anchoring — To prevent tipping or injury, Lyon strongly recommends that lockers be floor and/or wall anchored.

Free-standing Lockers — Lockers shall be furnished with 6" legs. Optional front and end closed bases available (bases same as for standard lockers).

Spec Summary

Expanded Metal Lockers

Knocked Down

- 13 gauge expanded metal door.
- 16 gauge frame.
- 13 gauge expanded metal sides.
- Powder coat finish.
- Chrome plated turn handles.

- All metal locking systems.
- Fully assembled construction optional.
- Built in padlock loop.
- Built in locks are also available.

All-Welded

- 13 gauge expanded metal door.
- 16 gauge frame.
- 13 gauge expanded metal sides.
- Powder coat finish.
- Chrome plated turn handles.
- All metal locking systems.
- All seams and joints welded for rigidity.
- Built in padlock loop.
- Built in locks are also available.
- 16 gauge body parts with 18 gauge backs.
- Full loop type hinges.