



Dura Series lockers

1. Application

The object of the present specifications is to describe minimum technical requirement

2. Applicable Publications

Canadian General Standards board (CGSB):

1-GP-12-Standard paint colors

1-GP-300-Applied coating system

ASTM - A366: Specifications for steel, carbon, cold-rolled sheet of commercial quality

3- Classification

Types 1, 2,3,4,5, or 6 (number of tiers) see table 2

Classes 1,2,3,4, or 5 (number or units) see table 2

4- Technical requirements

4.1- Generalities

The construction is all welded, without bolts. All burrs are removed.

4.2- Material

Steel sheets and strips are cold-rolled and of commercial quality. Average thicknesses and tolerances are shown in Table 1 in accordance with "The U.S. Manufacturer's standard gauge numbering system" (MSG) Material used for locker fabrication is as described in Table 1.

4.3- Construction

Door frame (1)

The frame strength is equivalent in thickness to 16 gauge steel sheet. The frame is made from steel strips bent at 90° in triple flange. Corner joints are securely spot-welded.

Top (2)

22 gauge top has lateral and back ends that are bent at 90° downside on a minimum width of ¾" and welded to the body. The 90° double flange with riveted bumpers forms a full length door stopper.

Sides (3)

Sides are 24 gauge welded to the body by offset or single joints. Except for offset joints, the rear end of the sides is bent at 90° inwards on a minimum width of ¾".

Back (4)

The 24 gauge back, using a single steel sheet, is welded to the body by offset or single joints. The back is assembled inside the side flanges. Interior back parts are bent at 90° inwards on a minimum width of ¾".



Bottom (5)

The 22 gauge bottom is made from continuous process galvanized steel 0.30 (± 0.05) ounce by ft², sloped and perforated for draining. The bottom front is in double flange with riveted bumpers forming a full length door stopper. The bottom is securely spot-welded to the body.

Shelf (10)

The back and sides of the 22 gauge shelf are bent at 90° downside for assembling. The front is in double flange at 90° with ends at 180° on a minimum width of $\frac{3}{4}$ ".

Coat hooks

Lockers are equipped with at least three (3) single-prong, round end 14 gauge hooks or one double-prong in the center back and two (2) single-prong in the center of each side panel. They are securely spot-welded to the body with a reinforcing plate.

Door (6)

An 18 gauge full length door pull has 2 x 90° bends towards the hinges and 3 x 90° bends on the handle side. A 90° bend finishes the box shape of the handle portion at the top and the bottom. The door handle is welded and then MIG welded to the double pan box connected to the hinges. The door is flush-fitted into the frame, the clearance between the door and the frame does not exceed $\frac{5}{32}$ " when the locker is at floor level. All apparent joints are finished with accuracy. The clearance between bent steel sheets must be equal or less than $\frac{1}{32}$ ". The door must open without touching any part of the frame. The door is full length double wall (24 gauge full plate) and securely welded.

Interior (7)

The inside door panel is arc-welded with the outside panel. End welds are located at $\frac{3}{4}$ " of the corners.

Ventilation

Ventilation openings with 5.8in² empty spaces are perforated in the two side panels.

Hinges (8)

The doors are hung by three (3) at least 2 $\frac{1}{2}$ " in length 14 gauge, concealed-leaf fast-pin five (5) knuckle hinges to permit doors to open at 180°.

Door handle

The handle being formed as part of the door has an aluminum padlock strike plate glued to the inside where the padlock hasp protrudes. The handle depth offers a good grip and permits the hasp to pass through for use of padlock. No part of the handle projects more than $\frac{1}{16}$ " beyond the door face.



Number plate optional

Black plastic plates are numbered with white engraved numbers. Each plate is flush-fitted into the door and securely fixed with pop-rivets.

Latch

Each handle is equipped with a friction-spring closing latch. In pulling the door, the latch is set in motion. The latch cannot be hand-removed and is designed to keep the door closed without padlocks at all time.

Hasp (9)

The 12 gauge hasp is arc-welded to the interior flange of the frame and is easy to access for padlock users. The hasp and the padlock is flush-fitted with the outside door face.

Bumpers

Two (2) ½” dia. Polythene bumpers are fixed to the top and the bottom of the locker door stopper by pop-rivets.

Table 1

Components	Gauges	Material	Ref.
Frame	16 MSG	C.R. Steel.	1
Top	22 MSG	C.R. Steel	2
Sides	24 MSG	C.R. Steel	3
Back	24 MSG	C.R. Steel	4
Bottom	22 MSG	Galvanized Steel.	5
Door	18 MSG	C.R. Steel	6
Door Stiffener	24 MSG	C.R. Steel	7
Hinges	14 MSG	C.R. Steel	8
Hasp	12 MSG	C.R. Steel	9
Shelf	22 MSG	C.R. Steel	10
Recessed Base	18 MSG	C.R. Steel	11
Sloping Top	20 MSG	C.R. Steel.	12

Recessed base (11) optional

The 18 gauge base is made of a 4" x ¾" "U" shaped steel frame assembled by spot-welding. The front of the base is recessed.



Sloping top (12) optional

The 20 gauge sloping top is bent at angle in the front and back to be fixed to the body. Bent steel end gables are used to close opening at each row end. The sloping top is held by supports at every three (3) feet. The sloping top, end gables and supports are fixed to the body by pop-rivets.

4.4- Assembly

All welds, by means of spot or arc-welding, are uniform in quality, clean and free from any defects.

4.5- Surface finish

Steel sheets and strips are sufficiently clean and flat to avoid any detrimental effect to the appearance and construction of the lockers. The surface is suitably prepared for application of the paint coating. The steel is corrosion-treated by means of phosphate processing.

Painting (baked enamel)

Finishes and proceedings are in accordance with CGSB-1-GP-12 specifications. Average thickness (five (5) reading per surface) of paint dry coating is at least 1.5 mil. Dry on all apparent surfaces. It is not less than 1.0 mil. Dry on all other surfaces. Paint dry coating thickness reading are in accordance with CGSB-1-GP-300 specifications.

5- Disposition towards quality control

ALB Plus to the CGSB program of quality control complying with ISO 9002 specifications, thus guaranteeing superior quality in all its products.

Table 2
Available standard dimensions for lockers

Parameters	Dimensions
Width	8" to 24"
Depth	8" to 36"
Height (does not include the height of the base or of the sloping top)	12"to 96"
Number of tiers	1" to 16"
Number units	simple, double, triple, quadruple
Number of shelves	As required



All other dimensions are available upon request

Head office: www.ALBPLUS.ca
info@albplus.ca
Montréal, Québec
H1N 2E9
Tel: (514) 593-4548
Fax: (514) 728-4982

Factory: Same
Showroom: Same