

PRODUCT SPECIFICATIONS ■

All Terrain® Storage

May 2019

TECHNICAL SPECIFICATIONS

Storage Tower Modules

Shell

All Terrain drawer module shell is constructed of components consisting of a wrapper (sides and back), front and back interior uprights, top and bottom reinforcements and bottom pan. The shell is spot-welded and MIG-welded together.

The wrapper is formed 20-gauge cold rolled steel (C.R.S.). The wrapper is formed with $\frac{3}{4}$ " flanges along the two vertical sides. An additional $\frac{1}{4}$ " flange is formed in for additional strength and accepts the upright interior side panels. The top and bottom edges are formed with a 1" flange to accept the uprights and top reinforcements.

The shell bottom is formed 18-gauge C.R.S. with $\frac{3}{4}$ " flanges on all four sides. Two bottom 16-gauge reinforcements are welded in along the front and back of the bottom of the shell.

The interior uprights are made from formed 18-gauge C.R.S. They are welded on each side at the front and back of the unit. The rear edge has $\frac{3}{4}$ " flange for strength. The front upright assembly is a spot welded "box-frame" design, in which both front upright members are securely welded to the bottom reinforcement to provide a strong, square frame. Each corner or joint has a unique bracing design punched from the parent material. This design provides for a double thickness at each corner for maximum strength.

Drawers

Drawers are available in 3" (pencil), 6" (box), 7 $\frac{1}{2}$ " (box), 9" (box), 10 $\frac{1}{2}$ " (file), and 12" (file) heights. Fronts are screw mounted to the drawer body. The outer front is fabricated to accept the associated pull options (see below). The front is formed to create a $\frac{3}{4}$ " thick drawer front.

The drawer back is formed from 22-gauge pre-painted C.R.S. with a 30° form along the top edge and is mechanically clenched to the body.

The drawer body is formed from 22-gauge pre-painted steel. The upper edges are formed to provide a smooth edge as well as providing full-length reinforcements. The box and file drawers are designed with four rows of slots to accept adjustable dividers. The drawer body is sized to allow for hanging of Legal Sized hanging file folders by use of dividers. The file drawer size allows for hanging of letter sized hanging file folders and All Terrain hard bins. A second set of punched holes accounts for mounting of the divider that allows for hanging of A4 sized hanging file folders.

Drawer Suspension

The pencil and box drawer operate on a 3-piece, full-extension slide assembly constructed from precision roll formed sections, rolling on hardened steel ball bearings. The file and EDP drawers operate on a three-piece suspension assembly that allows for the drawer body to extend clear of the front face of the storage tower module. The roll-formed precision sections operate on hardened steel ball bearings. The suspension has a "hold-in" or retaining device to hold the drawer in a closed position. Slides are a bright zinc finish.

Drawer Pulls

The metric pull is made from aluminum. It mounts by use of two machine screws to a steel or laminate drawer. It is available in an aluminum finish.

The bow tie pull is made from aluminum or nickel. It mounts by use of two machine screws to a steel or laminate drawer. It is available in a nickel or aluminum finish.

The beveled pull is made from black or satin chrome. It mounts by use of two machine screws to a steel door.



TECHNICAL SPECIFICATIONS (cont.)

Sizes

Width: 15", 24" and 30"

Height: 19.91", 22.97", 26.03", 29.09", 33.69" and 38.28"

Depth: 24"

Open Cupboard Modules

Shell

All Terrain Open Cupboard module shell is constructed of components consisting of top, wrapper (sides and back), interior side liners, and top and bottom reinforcements. The shell is spot welded and MIG welded together.

The wrapper is formed 20-gauge C.R.S. The wrapper is formed with $\frac{3}{4}$ " flanges along the two vertical sides. An additional flange is formed in for additional strength and accepts the upright interior side panels. Top and bottom have a 1" flange.

The bottom is formed 20-gauge C.R.S. with $\frac{3}{4}$ " flanges on all four sides. The front face has an additional flange formed inward to provide additional strength. One bottom 18-gauge reinforcement is welded in along the front.

The interior side liners are made from formed 20-gauge C.R.S. They fill up the interior left and right side of the shell. The front of the liner is formed to fit inside the channel form of the wrapper. The rear edge has $\frac{5}{8}$ " flange for strength. The liners are spot welded internally at each end, top and bottom. The welding provides a rugged shell design. The uprights are punched with 1" long slots on a $\frac{1}{2}$ " increment pattern to hang the shelf supports.

Sizes

Width: 24"

Height: 13.78", 15.31", 16.84", 19.91", 21.44", 22.97" and 35.22"

Depth: 15"

Cupboard Modules with Doors

Shell

All Terrain Cupboard module shell is constructed of components consisting of top, wrapper (sides and back), interior side liners, and top and bottom reinforcements. The shell is spot welded and MIG welded together.

The wrapper is formed 20-gauge C.R.S. The wrapper is formed with $\frac{3}{4}$ " flanges along the two vertical sides. An additional flange is formed in for additional strength and accepts the interior side panels. The top and bottom edges are formed with a 1" flange. Four 18-gauge reinforcements are spot welded: two on the top and two on the bottom of the shell, each at the front and back.

The bottom is formed 20-gauge C.R.S. with $\frac{3}{4}$ " flanges on all four sides. The front face has an additional flange formed inward to provide additional strength.

The upright interior side liners are made from formed 20-gauge C.R.S. They fill up the interior left and right side of the shell. The front of the upright is formed to fit inside the channel form of the wrapper. The rear edge has $\frac{5}{8}$ " flange for strength. The liners are spot welded internally at each end, top and bottom. The welding provides a rugged shell design. The liners are punched with 1" long slots on a $\frac{1}{2}$ " increment pattern to hang the shelf supports.

Door

The steel door is constructed from the outer door body and the inner door liner. The door body is constructed from 20-gauge formed steel. A $\frac{3}{4}$ " flange is formed on all edges and the pull edge has an additional flange formed inward to accept the liner. The liner is formed from 20-gauge steel and is spot and welded to the door body. The steel door is specified with one of the five pull options (see next page). The steel door is standard with a lock.

TECHNICAL SPECIFICATIONS (cont.)

The laminate door is constructed from .03" HPL laminate front and back and on the edges. Core material is particleboard. The laminate door is constructed to a finished thickness of $\frac{3}{4}$ ". The laminate door is specified with one of the three pull options (see below). The laminate door is standard with a lock.

Hinges

Hinges on All Terrain Tower Cupboard Doors allow the door rotate open 110°. The All Terrain tower hinges rotate the door all the way back against the side of the cupboard for ease of use (a range of 270°).

Door Pulls

The metric pull is made from aluminum. It mounts by use of two machine screws to a steel or laminate drawer. It is available in an aluminum finish.

The bow tie pull is made from aluminum or nickel. It mounts by use of two machine screws to a steel or laminate drawer. It is available in a nickel or aluminum finish.

The beveled pull is made from black or satin chrome. It mounts by use of two machine screws to a steel door.

Sizes

Width: 9", 15", 21", 24", and 30"

Height: 13.78", 15.31", 16.84", 19.91", 21.44", 22.97" and 35.22"

Depth: 24"

Shelf and Supports

The shelf is formed from 20-gauge C.R.S. with $\frac{3}{4}$ " flanges front and back. The front and back faces have an additional flange formed inward $\frac{5}{8}$ " and another small flange formed upwards to provide additional strength. The shelf support is formed from 18-gauge steel and supports the shelf along the full length of the left and right sides of the shelf. The shelves move up and down the interior of the cupboards in $\frac{1}{2}$ " increments.

Pedestal Drawer Module

Shell

All Terrain binder drawer module shell is constructed of components consisting of a 20-gauge wrapper (sides and back), 18-gauge front and back interior uprights, and 18-gauge top and 16-gauge bottom reinforcements. The shell is spot welded and MIG welded together.

Drawer fronts are screw mounted to the drawer body. The 20-gauge outer front is fabricated to accept the associated pull options (see below). The front is formed to create a $\frac{3}{4}$ " thick rigid drawer front.

Drawer Suspension

The drawer operates on a three-piece suspension assembly that allows for the drawer body to extend clear of the front face of the shell. The roll-formed precision sections operate on hardened steel ball bearings. The suspension has a "hold-in" or retaining device to hold the drawer in a closed position. Slides are a bright zinc finish.

Drawer Pulls

The metric pull is made from aluminum. It mounts by use of two machine screws to a steel or laminate drawer. It is available in an aluminum finish.

The bow tie pull is made from aluminum or nickel. It mounts by use of two machine screws to a steel or laminate drawer. It is available in a nickel or aluminum finish.

The beveled pull is made from black or satin chrome. It mounts by use of two machine screws to a steel door.

TECHNICAL SPECIFICATIONS (cont.)

Sizes

Width: 15"

Height: 13.78", 15.31", and 16.84"

Depth: 24"

Wardrobe Modules

Shell

All Terrain Wardrobe module shell is constructed of components consisting of top, wrapper (side and back), upright and bottom. The shell is spot welded and MIG welded together.

The wrapper is formed 20-gauge C.R.S. The wrapper is formed with $\frac{3}{4}$ " flanges along the vertical side. An additional flange is formed in for additional strength with a 1" flange on top and bottom.

The bottom is formed 18-gauge C.R.S. with $\frac{3}{4}$ " flanges on all four sides. Each face has an additional flange formed inward to provide additional strength. Two bottom 16-gauge reinforcements are welded in along each side of the bottom.

Uprights are formed from 18-gauge C.R.S and are offset to fit in the channel of the wardrobe module. The rear edge has $\frac{3}{4}$ " flange for strength. The uprights are spot welded internally at each end, top and bottom. The welding provides a rugged shell design.

Door

The steel door is constructed from the outer door body and the inner door liner. The door body is constructed from 20-gauge formed steel. A $\frac{3}{4}$ " flange is formed on all edges the pull edge has an additional flange formed inward to accept the liner. The liner is formed from 20-gauge steel and is spot welded to the door body. The steel door is specified with one of the five pull options (see below). The steel door is standard with a lock.

The laminate door is constructed from .03" HPL laminate front and back and on the edges. Core material is particleboard. The laminate door is constructed to a finished thickness of $\frac{3}{4}$ ". The laminate door is specified with one of the three pull options (see below). The laminate door is standard with a lock.

Hinges on All Terrain Tower Wardrobe Doors allow the door rotate open 110°.

Door Pulls

The metric pull is made from aluminum. It mounts by use of two machine screws to a steel or laminate drawer. It is available in an aluminum finish.

The bow tie pull is made from aluminum or nickel. It mounts by use of two machine screws to a steel or laminate drawer. It is available in a nickel or aluminum finish.

The beveled pull is made from black or satin chrome. It mounts by use of two machine screws to a steel door.

Sizes

Width: 9"

Height: 41.34", 42.89", 44.41", 49", and 61.25"

Depth: 24"

Tops

Top worksurfaces are mounted directly to the top of the unit. Tops are fastened through the top of the shell by four #10 machine screws.

Laminate

The laminate landing tops are constructed from .03" HPL laminate on top and a 0.028" melamine sheet backer on the bottom. 2 mm thick PVC banding is applied to the edges. Core material is particleboard. The laminate top is constructed to a finished thickness of $\frac{3}{4}$ ".

TECHNICAL SPECIFICATIONS (cont.)

Steel

The steel top is made from 18-gauge, C.R.S. and is fastened to the top of the tower by four #10 machine screws.

Bases

Caster Base

The tower can be specified with inboard plate mount casters. All caster bodies are twin wheel hooded design with 4" diameter wheels. Two casters will have a lock and two will freely swivel. Caster configurations: traditional plinth base, caster base (white), glide base, two caster - two glide base, caster base with outrigger, glide base with outrigger. Casters will be black with white wheel hubs. Plate mount casters do not extend out from below the unit shell. The plate is mounted to the bottom of the shell by four 10¹/₂" screws fastened into the weldnuts.

Plinth Base

The plinth base is formed 18-gauge C.R.S. The base is formed with 1/2" flanges along the bottom. The top has holes for bolting to the various storage modules. The plinth base has four leveling glides that are adjusted from the inside of the tower by use of a ratchet.

Assembly

All towers are shipped fully assembled. The various modules bolt together with #10 machine screws. Casters are shipped loose and are assembled in the field.

Finish

Units are cleaned thoroughly and subjected to a phosphate etching process before painting with a hybrid epoxy powder-coat paint.

Locks

Locks are standard with this product and feature a high-security double-bit design, keyed different and core removable. There are 1000 different key combinations possible. The locks have an antique black finish. Two KI "break away" keys are standard with each lock.

Interlock

All drawers are equipped with a unique patented interlock safety system, which permits only one drawer to be opened at a time. The system is designed to reduce the risk of a stand alone unit tipping over. To minimize possible damage to the interlock system, activating cams restage. If during servicing or installing more than one opening is extended, these openings can be closed without damage to the interlock components.

Bins

All Terrain hard bins hang in tower drawers or they can rest on the shelves and top.