



Invincible II™ Lockers



Single Tier



Double Tier



3 Tier



14 gauge diamond perforated doors allow maximum air flow while providing security.



Classic III Stainless Steel Recessed Handle is standard on Single, Double, and 3 Tier lockers.



Penco's Invincible II athletic lockers are more attractive and durable than ever! Ideal for applications that require a high degree of ventilation and strength, or where visual inspection of locker contents is desired.

Doors are made from heavy 14 gauge steel. Sides, tops, bottoms and shelves are 16 gauge steel. Backs are 18 gauge. Doors and sides are perforated with a diamond-shaped pattern allowing maximum air circulation while maintaining security.

Invincible II lockers come in a variety of styles: single tier, double tier, 3 tier all have as standard the Classic III stainless steel recessed handle and multi-point latching with quiet latch channels. Standard 4, 5, 6, 8 and 9 tier box locker doors have a padlock hasp and a



Latch guards welded to the door frame prevent tampering.



An optional spring loaded positive latch is available for four tier through nine tier lockers. (Shown with optional stainless steel padlock strike.)

friction catch, and will accept built-in locks. Available at extra cost is a spring-loaded catch.

Both double tier and 3 tier lockers have horizontal frame members welded between the doors for added strength and security. 24" wide lockers have full width doors. If slope tops are required, use hoods. All lockers

accept built-in locks or padlocks and have rubber bumpers on the latch hooks to reduce noise.

NOTE: Each catalog number represents one **FRAME**. Overall height does **not** include legs. See How To Order Invincible II lockers on the next page. Be sure to order a Group End for every group of lockers.

Size (inches)		Single Tier				Double Tier		3 Tier	
W	D	36-1/2" Opening Ht.	48-1/2" Opening Ht.	60" Opening Ht.	72" Opening Ht.	30" Opening Ht. (60" overall ht.)	36" Opening Ht. (72" overall ht.)	20" Opening Ht. (60" overall ht.)	24" Opening Ht. (72" overall ht.)
9	12	-	-	6A101	6A107	-	-	-	-
9	15	-	-	6A103	6A109	-	-	-	-
9	18	-	-	6A105	6A111	-	-	-	-
12	12	6A011	6A017	6A129	6A157	6A213	6A245	6A287	6A281
12	15	6A013	6A019	6A131	6A159	6A215	6A247	6A289	6A283
12	18	6A015	6A021	6A135	6A161	6A217	6A249	6A291	6A285
12	21	-	-	6A133	6A163	-	6A251	-	-
15	15	-	-	6A143	6A169	6A225	6A257	6A293	6A301
15	18	-	-	6A145	6A171	6A239	6A259	6A295	6A303
15	21	-	-	6A147	6A173	6A241	6A261	6A297	6A305
15	24	-	-	-	6A172	-	6A253	-	-
18	15	-	-	6A149	6A175	6A223	6A263	-	-
18	18	-	-	6A151	6A177	6A227	6A265	-	-
18	21	-	-	6A153	6A179	6A229	6A267	-	-
18	24	-	-	6A155	6A181	6A231	6A269	-	-
24	15	-	-	-	6A182	-	-	-	-
24	18	-	-	6A117	6A123	6A233	6A271	-	-
24	21	-	-	6A119	6A125	6A235	6A273	-	-
24	24	-	-	6A121	6A127	6A237	6A275	-	-

Invincible II™ Lockers



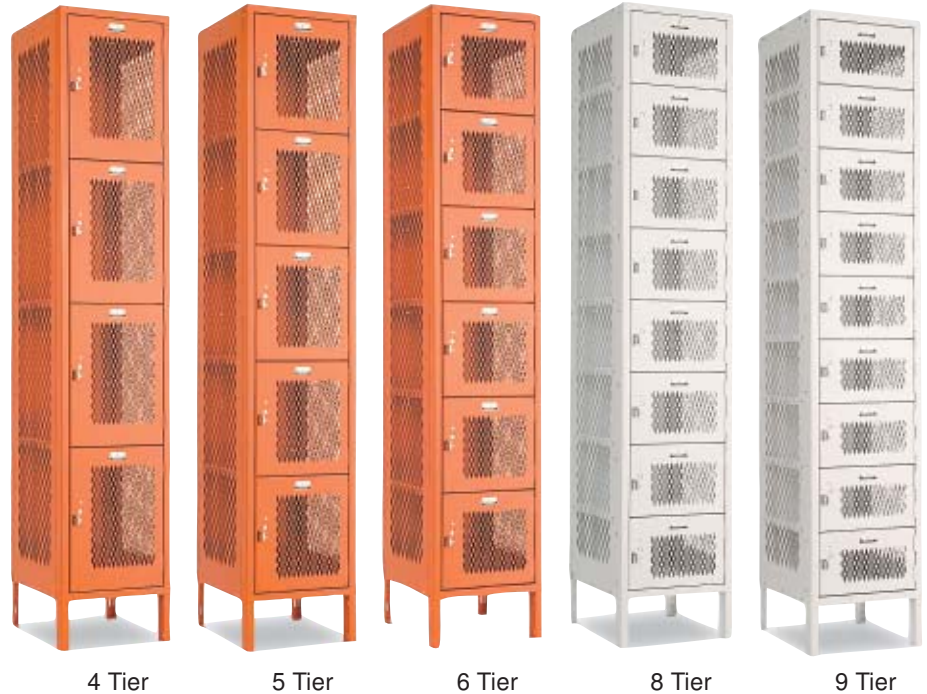
HOW TO ORDER INVINCIBLE II:

1. Basic units: Locate the desired type and size of locker from the tables shown. (Note that only Single Row lockers are shown. Double Row [back-to-back] configurations are available and are provided with a common back and angles to connect the second row of sides to the common back—consult your Penco representative). Order the desired number of **FRAMES** of the Basic Units required. (6" high legs are standard; if no legs are required, specify when ordering). Note that a single frame of a Basic Unit has only one side, and is not complete until bolted to another locker or until a Group End has been added.

2. Group Ends: Lockers can be built in small complete groups, and then placed into long rows. To end a group or row of lockers, order either a perforated or solid 16 gauge Group End in the appropriate size (for solid group ends on lockers with common perforated sides, be sure to order a solid end for *each* row end). *Note that groups of lockers can be built in long rows if built in place, however groups are difficult to move if they exceed 3-wide. Consult your installer.*

3. Slope Top:

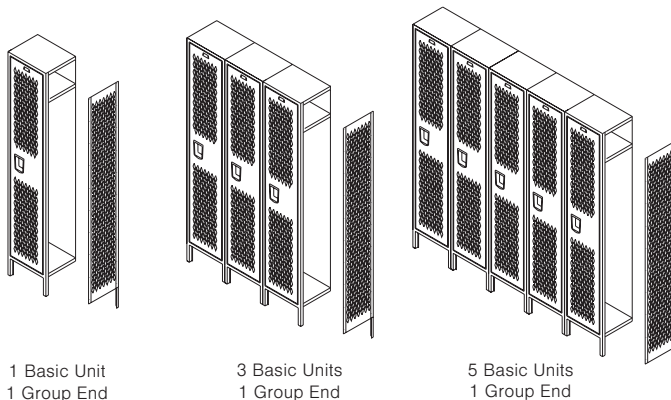
For slope top lockers, accessorize with Slope Hood components. Closed Bases and other accessories are available. Refer to the Accessories section.



Size (inches)		4 Tier		5 Tier		6 Tier	8 Tier	9 Tier
W	D	15" Opening Ht. (60" overall ht.)	18" Opening Ht. (72" overall ht.)	12" Opening Ht. (60" overall ht.)	14-2/5" Opening Ht. (72" overall ht.)	12" Opening Ht. (72" overall ht.)	9" Opening Ht. (72" overall ht.)	8" Opening Ht. (72" overall ht.)
12	12	6A307	6A319	6A351	6A363	6A375	6A393	6A407
12	15	6A309	6A321	6A353	6A365	6A377	6A395	6A409
12	18	6A311	6A323	6A355	6A367	6A379	6A397	6A411
12	21	-	-	-	-	6A381	-	-
15	15	6A313	6A331	6A357	6A369	6A383	6A401	6A413
15	18	6A315	6A335	6A359	6A371	6A385	6A403	6A415
15	21	-	-	6A361	6A373	6A389	6A405	6A417
18	18	-	-	6A419	6A445	6A423	-	-
18	21	-	-	6A421	6A447	6A425	-	-

Ordering Group Ends for Invincible II Lockers

You *must* order a Group End to finish each group of Invincible II lockers, regardless of length of each group or row. Specify Perforated or Solid.



Size (inches)		Perforated Group End Single Row		Solid Group End Single Row	
D	H	1, 2, 3, 4, 5 & 6 Tier	8 & 9 Tier	1, 2, 3, 4, 5 & 6 Tier	8 & 9 Tier
12	36-1/2	603600V	-	603601S	-
15	36-1/2	603602V	-	603603S	-
18	36-1/2	603704V	-	603605S	-
12	48-1/2	603606V	-	603607S	-
15	48-1/2	603608V	-	603609S	-
18	48-1/2	603700V	-	603701S	-
12	60	602100V	-	602101S	-
15	60	602102V	-	602103S	-
18	60	602104V	-	602105S	-
21	60	602106V	-	602107S	-
24	60	602108V	-	602109S	-
12	72	602110V	602120V	602111S	602121S
15	72	602112V	602122V	602113S	602123S
18	72	602114V	602124V	602115S	602125S
21	72	602116V	602126V	602117S	602127S
24	72	602118V	-	602119S	-



Invincible II™ Specifications

MATERIALS:

SHEET STEEL: All parts made from prime grade mild cold rolled sheet steel free from surface imperfection, and capable of taking a high grade enamel finish.

HINGES: .074" thick, 2" high, double spun, full loop, tight pin, five-knuckle hinges, projection welded to door frame and securely fastened to the door with 2 steel rivets. Doors over 42" high shall have three hinges, all other doors shall have two hinges except the 24" wide x 60" or 72" doors which shall have four hinges.

FINISHING: Chemically pretreat metal with a six stage cleaning phosphating and metal preparation process. Finish coat shall be hot airless electrostatically applied enamel baked on at 350 to 400 degrees. Select colors from manufacturer's minimum standard 21 colors. All lockers shall be painted inside and outside with the same color.

EQUIPMENT: Coat hooks and coat rods are zinc plated. Truss fin head bolts and hex nuts are zinc plated.

FABRICATION GENERAL:

CONSTRUCTION: Built on the unit principle - each locker shall have an individual door and frame, individual top, bottom, back and shelves with common intermediate uprights separating compartments. Lockers shall be fabricated square, rigid and without warp. Doors shall be flat and free of distortion.

DOOR FRAME: All door frame members to be not less than 16 gauge formed to a channel shape. Vertical members to have an additional flange to provide a continuous door strike. Intermembering parts to be mortised and tenoned and electrically welded together in a rigid assembly capable of resisting strains.

Cross frame members of 16 gauge channel shapes including intermediate cross frame on double and triple tier lockers shall be securely welded to vertical framing members to ensure rigidity.

BODY: Bolt spacing in locker body construction not to exceed 9" o.c. All locker body components shall be made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Tops & bottoms shall have three sides formed 90° and the front offset formed to be flush with the horizontal frame member. Shelves shall have sides formed to 90°, the front edge shall have a second bend. Backs shall be 18 gauge; all other body parts shall be 16 gauge.

DOORS: Doors 20" or higher shall be formed from one piece 14 gauge cold rolled sheet steel. Formations shall consist of a full channel shape on the lock side of adequate depth to fully conceal the lock bar, channel formation on the hinge side, and right angle formations across the top and bottom. Doors over 15" wide and over 30" high shall have a 3" wide full height 20 gauge reinforcing pan welded to the inside face of the door on 6" centers.

Doors for box lockers 4, 5, 6, 8 & 9 tiers high shall be 14 gauge steel and have channel formations on lock side and hinge side and have right angle flanges on the top and bottom.

DOOR HANDLE & LATCHING 1, 2 & 3 TIER: Handles shall be recessed in the door and be finger lift control. The 20 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks.

The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift.

Doors to have latch clip engaging the door frame at three points on 60" & 72" high and two points on 20" through 36" high doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. Latch hooks on diamond-perforated lockers shall have tamper guards. The latch channel assembly shall be quieted by the use of unique nylon glides to reduce noise.

DOOR HANDLE & LATCHING 4 TO 9 TIER BOX LOCKERS: Doors shall be punched for use with padlocks or built-in locks. Doors for use with padlocks shall be equipped with an 18 gauge combination door pull, staple and lock hole cover plate with integral friction catch.

VENTILATION: All locker sides and doors 20" or higher shall be perforated with diamond-shaped openings 3/4" wide x 1-1/2" high in a quantity and pattern to insure maximum ventilation and maintain structural strength. All other doors shall have small diamond-shaped perforations 7/16" wide x 15/16" high.

NUMBER PLATES: Each locker to be supplied with a polished aluminum number plate, 2-1/4" wide x 1" high, with black numerals not less than 3/8" high. Number plates shall be attached to the face of the door with two aluminum rivets.

INTERIOR EQUIPMENT: Single-tier lockers 48-1/2" or higher shall have a hat shelf located approximately 9" below the top of locker; if less than 18" deep, locker shall have three single-prong hooks and one double-prong ceiling hook. Single Tier lockers 18" deep or more shall have a coat rod instead of a ceiling hook. 30" & 36" high lockers shall have three single-prong wall hooks and one double-prong ceiling hook. Hooks to be steel, ball tip zinc plated, attached with two bolts per hook. 20" & 24" high lockers to have three wall hooks.

LOCKER ACCESSORIES: Lockers shall be furnished with the accessories selected from the Accessory Specifications.

OPTIONS:

BODY: Lockers shall be assembled using rivets.

DOORS: Box locker doors 4 to 9 tier, as an alternative option each door shall be furnished with a stainless steel padlock strike.

DOOR HANDLE & LATCHING 4 TO 9 TIER BOX LOCKERS: As an alternate option, each door shall be provided with a finger operated 11 gauge slam latch with an electrogalvanized trigger, and a spring contained in a 14 gauge case welded to the door. The spring latch engages a 13 gauge hasp welded to the frame. Rubber bumpers shall be securely installed in the frame.

DOOR VENTILATION: Standard louvers or mini louvers (5/8" wide x 1/4" high) may be substituted for diamond perforations in doors. All louvers and perforations shall be placed in doors according to manufacturer's standard pattern.

ADA COMPLIANT LOCKERS: Handicap lockers shall have recessed handles and shall be single tier or the lower opening of a double tier locker. Locker bottom shall be a minimum of 9" off the floor, or an extra shelf placed 9" off the floor. Single tier lockers shall have a shelf 48" off the floor. Doors assigned for handicapped use shall have an appropriate symbol sign.

EXECUTION:

INSTALLATION: Install metal lockers at location shown in accordance with manufacturers instructions for plumb, level, and flush installation.

ANCHOR LOCKERS to the floor and wall 48" on center or less as recommended by the manufacturer.

INSTALL SLOPING HOODS AND METAL FILLERS using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

INSTALL BENCHES by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.

ADJUST & CLEAN: Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily.

TOUCH UP marred finishes with factory supplied paint.

Penco Products, Inc. reserves the right to vary specifications consistent with our policy of continuous product improvement.

INVINCIBLE II DEFIANT SINGLE POINT LATCH SPECIFICATIONS

When specifying Invincible II Lockers with Defiant Single Point Latch (SPL) doors, substitute the following specifications for "Doors," "Hinges" and "Door Handle & Latching, 1, 2 & 3 Tier" to the Invincible II specification on the previous page. *Delete* "Door Handle & Latching 4 to 9 tier Box Lockers."



DOORS: Doors 20" or higher shall be formed from one piece 14 gauge steel. Formations shall be box formed stiffeners on the hinge

side and latch sides. Both formations shall have a 1/2" flange spot welded to the inside face of the door. Top and bottom flanges shall have one 90 degree bend. For long life, the door shall be manufactured from one integral piece. Door shall be manufactured to allow maximum ventilation and stiffness utilizing two box formed stiffeners.



HINGES: 16 gauge continuous hinges (full length of the door) are welded to the frame and riveted to the door.

DOOR HANDLE & LATCHING 1, 2 & 3 TIER: Handles shall be recessed in the door. The formed pocket shall be brushed stainless steel securely fastened to the door with two lugs plus a positive tamper resistant fastener. The pocket shall

be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks. All pockets shall be 20 gauge drawn steel for superior strength. Door pull shall be formed in the pocket. Pocket and pull shall be integral. Doors shall have a catch to retain unlocked doors in the closed position. Locking shall be accomplished by an 11 gauge lug welded to the locker frame. The lug shall include a surface for the bolt of a built-in combination or key lock to engage and a padlock staple that protrudes through the 20 gauge pocket. The lug shall include an anti pry flange and notch to deter prying open when locked. Rubber door silencers shall be firmly attached to the locker frame.

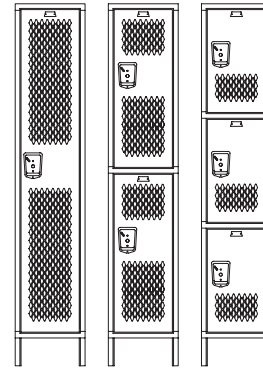
The Single Point Alternative

The Defiant Single Point Latch option for Invincible II lockers offers improved security and the low maintenance inherent in a door with no moving parts. It is available with diamond shaped perforations or as a solid door.

The door is roll formed from heavy 14 gauge steel. Strengthening box-beams are formed as integral parts of each side of the door (patent 5,802,801). The return flanges of the box beams are spot welded to the back of the door for extra strength.

Each door has a patented deep drawn stainless steel pocket handle with an integral door pull. The doors can be locked either with a built-in lock, or with a conventional padlock, using the padlock staple protruding through the recessed handle. *Not ADA compliant.*

The result is an extremely rigid recessed handle door that is elegant in appearance, simple in design, and long on endurance.



Single Tier Double Tier 3 Tier



Defiant Single Point Latch (SPL)
Recessed Handle



Single Point
Padlock Staple

Size (inches)		Single Tier		Double Tier		3 Tier	
W	D	60" Opening Ht. Cat. No.	72" Opening Ht. Cat. No.	30" Opening Ht. (60" overall ht.) Cat. No.	36" Opening Ht. (72" overall ht.) Cat. No.	20" Opening Ht. (60" overall ht.) Cat. No.	24" Opening Ht. (72" overall ht.) Cat. No.
12	12	6P129	6P157	6P213	6P245	6P287	6P281
12	15	6P131	6P159	6P215	6P247	6P289	6P283
12	18	6P135	6P161	6P217	6P249	6P291	6P285
15	15	6P143	6P169	6P225	6P257	6P293	6P301
15	18	6P145	6P171	6P239	6P259	6P295	6P303
15	21	6P147	6P173	6P241	6P261	6P297	6P305
18	15	6P149	6P175	6P223	6P263	-	-
18	18	6P151	6P177	6P227	6P265	-	-
18	21	6P153	6P179	6P229	6P267	-	-
18	24	6P155	6P181	6P231	6P269	-	-
24	18	6P123	-	6P233	6P271	-	-
24	21	6P125	-	6P235	6P273	-	-
24	24	6P127	-	6P237	6P275	-	-

Order Group Ends for Invincible II Single Point Latch lockers from page 15.