

Storage Guide



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Clipper[®] Industrial Shelving

- Easy Assembly & Adjustment
- Many Sizes & Accessories
- Hi-Performance[®] Shelves
- Powder Coat Finish

Clipper Shelving is the versatile storage product that does it all. From a simple back room unit, to a fully accessorized tool room installation or a three level shelving system, Clipper can be as basic or sophisticated as you want. The system employs Hi-Performance box-beam shelves, box and angle posts, and Clipper compression shelf clips to achieve an exceptionally strong unit that also permits easy changes of shelf positions on 1" vertical centers.

Clipper Shelving is available in open and closed configurations, and can be customized with accessories on the following page. For additional shelving options, request the complete Penco General Catalog.



Angle & Box Posts



The Clipper Clip

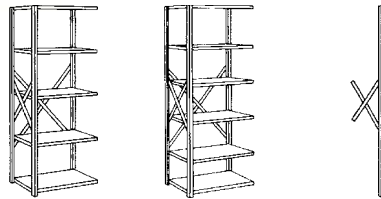
How to Order Clipper Units

1. Determine the shelving type desired (open or closed) and shelf width and depth.
2. Order catalog numbers of as many Basic Units as required for a continuous row of shelving. (Basic Units consist of 1 box post, 2 angle posts, 1 set of sway braces or side panel, 1 set of back sway braces or back panel, shelves and hardware).
3. Order catalog number(s) of as many Ending Kits as required to end each row. (Ending Kits consist of 1 box post, 1 set of side sway braces or side panel plus hardware).
4. Select the appropriate accessories for your application.

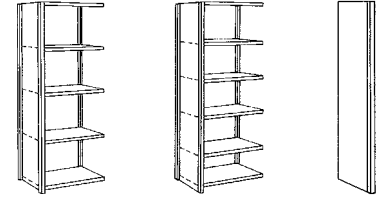
Units use Box Posts at front and Angle Posts at rear. Units are shipped K.D. with all required hardware and assembly instructions.

CLIPPER[®]

Quick Ship Popular Clipper items are available on a QuickShip basis in for shipment in 72 hours from multiple warehouse locations in 028 Gray. Visit www.pencoproducts.com/quick_ship.html for more information.



Open Heavy Duty Units



Closed Heavy Duty Units **

Nominal Dimensions			Capacity* Per Shelf Pounds	5 Shelves	6 Shelves	End Kit	5 Shelves	6 Shelves	End Kit
W	D	H		Basic Unit Cat. No.	Basic Unit Cat. No.	Open Cat. No.	Basic Unit Cat. No.	Basic Unit Cat. No.	Closed Cat. No.
36"	12"	87"	800	1H7015	1H7016	101287	1H8015	1H8016	1C1287
36"	18"	87"	850	1H7025	1H7026	101887	1H8025	1H8026	1C1887
36"	24"	87"	800	1H7035	1H7036	102487	1H8035	1H8036	1C2487
48"	12"	87"	500	1H7075	1H7076	101287	1H8075	1H8076	101287
48"	18"	87"	500	1H7085	1H7086	101887	1H8085	1H8086	1C1887
48"	24"	87"	500	1H7095	1H7096	102487	1H8095	1H8096	1C2487

Many other sizes are available. Contact your Penco Representative.

Clipper[®], Hi-Performance[®] and RivetRite[®] are registered trademarks of Penco Products, Inc.

FOR SAFETY PURPOSES WE RECOMMEND THAT ALL SHELVING BE ANCHORED

* For Evenly Distributed Load. ** Order Front Base separately.

Hi-Performance® Shelves

Clipper Hi-Performance Shelves maximize load handling capacity through a design which shapes the front and rear flanges into rigid tubular box beams. The box shape provides two vertical surfaces in each box-flange that inherently give it a high strength-to-weight ratio.



The shelves are efficiently manufactured from high strength cold rolled steel on a modern automated roll forming mill. For additional strength, flanges of the box beams are welded to the underside of the shelf on 3" centers, shelf corners are lapped and welded and sides are double flanged.

Shelves are available in a wide variety of sizes. The most popular sizes are shown here, and can be ordered as extras for units. All shelves are punched on the face and surface to accept accessories.

The shelves used in the units on the previous page and listed below are a Heavy Duty Class 1 Shelves. Each comes with four compression shelf clips. Medium Duty and Extra Heavy Duty Shelves are also available. Consult your Penco representative if you require lesser or greater load-carrying capacity.

W	D	Cat. No.	Capacity, Lbs. (Evenly Distributed)
36"	12"	1H203612C	800
36"	18"	1H203618C	850
36"	24"	1H203624C	800
48"	12"	1H204812C	500
48"	18"	1H204818C	500
48"	24"	1H204824C	500



Automated welding of Hi-Performance shelves.



Full Height Dividers (A)

This most popular divider spans the full height from one shelf to the next, and quickly attaches to each with plastic fasteners (included). Each has a beaded front edge for strength and safety.

D	H	Cat. No.
12"	6"	15600H
12"	9"	15620H
12"	12"	15640H
15"	6"	15700H
15"	12"	15740H
18"	6"	15800H
18"	9"	15820H
18"	12"	15840H
18"	16"	15860H
24"	12"	15940H
24"	18"	15970H
24"	24"	15990H

Partial Dividers (B)

These divide the bottom area of a shelf level. Fasteners supplied.

D	H	Cat. No.
12"	4"	16410H
18"	4"	16430H
24"	4"	16440H

Sliding Dividers (C)

Dividers move to any position across shelf surface. No fasteners required.

D	H	Cat. No.
12"	4"	1H4124C
12"	6"	1H4126C
18"	6"	1H4186C
24"	6"	1H4246C

Bin Fronts (D)

Keeps bulk items within a bin.

W	H	Cat. No.
36"	1"	14210H
36"	2"	14220H
36"	3"	14230C
48"	3"	14430C

Label Holders (E)

A formed steel strip which attaches to the shelf front with supplied fasteners. Accepts 7/8" high labels.

Width	Cat. No.
36"	13920H
48"	13940H

Front Base Strips

Used with closed shelving, the Base Strip closes the gap between the floor and the bottom shelf.



W	H	Cat. No.
36"	3"	14520H
48"	3"	14540H

Doors

3
Point
Latch



Locking
Handle
With
2 Keys

For 87"
High Units

Penco shelving doors provide security for closed shelving units. Doors are pre-hung on a welded frame for quick installation and rigidity. Base strips should be ordered to close the gap between the floor and bottom shelf. Order separately from units.

Width	Unit Height	Cat. No.
36"	85"	19640H
48"	85"	19650H

Other Options

This catalog shows only the most frequently ordered sizes and uses of Penco Clipper Shelving. Also available are:

- Sliding Doors
- Modular Drawers
- Counter Shelving
- Shelf Boxes
- X-Ray & Artwork Storage Units
- Open Shelf Filing
- Engineering Plan Storage
- High Rise Shelving
- Multi-level Shelving
- Deck Over Applications



RivetRite® Shelving Units

Rivet/Keyhole Design Insures Rigid Connection

- **Economical**
- **Stock Color 723 Putty**
- **Access from all sides**
- **Powder Coat Finish**
- **Easy assembly - No special tools**
- **Shelves adjust on 1-1/2" centers**
- **Common Tee Post Between Units**



**Double and Single Rivet Units
Shown Above with
Optional Particle Board Decking.**

Single Rivet High Density Shelving Units

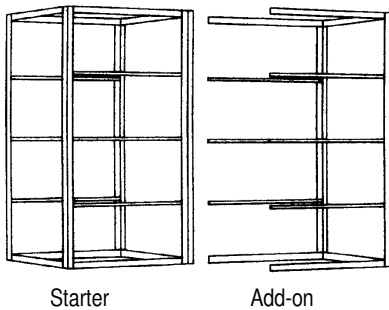
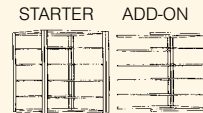
Single Rivet low profile beams are designed to provide for maximum vertical clearance between shelves. For units up to 48" wide.

Double Rivet Bulky Storage Shelving Units

Provide an economical solution for storage of bulky items. For units up to 96" wide.

How To Order

Starter and add-on units are combined to form economical rows of shelving. Each add-on unit includes a pair of Tee Posts which are used in common between units. This reduces assembly time and the number of parts required. Begin each row with two Angle Posts from the starter unit and join the desired number of add-on units with common Tee Post to extend the row. Finish the last unit with a pair of Angle Posts from the starter unit. Order decking material separately from the next page.



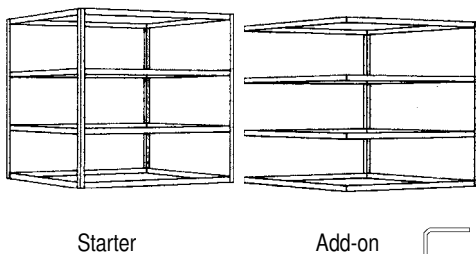
Starter

Add-on

Single Rivet High Density Shelving Units

Unit Size w x h x d	Shelf Capacity*	5 Shelf Units		6 Shelf Units	
		Starter Cat. No.	Add-On Cat. No.	Starter Cat. No.	Add-On Cat. No.
36" 18" 84"	350	461325	462365	461326	462366
36" 24" 84"	350	461335	462375	461336	462376
36" 36" 84"	350	461345	462385	461346	462386
48" 18" 84"	250	461425	462465	461426	462466
48" 24" 84"	250	461435	462475	461436	462476
48" 36" 84"	250	461445	462485	461446	462486

Double Rivet Bulky Storage Units - with 4 Shelves



Starter

Add-on

Unit Size w x d x h	Shelf Capacity*	Starter Cat. No.	Add-On Cat. No.
48" 24" 84"	1400	46W02H	46W07H
48" 30" 84"	1310	46W03H	46W08H
48" 36" 84"	1220	46W04H	46W09H
48" 48" 84"	1125	46W05H	46W10H
72" 24" 84"	1000	46W22H	46W27H
72" 30" 84"	1000	46W23H	46W28H
72" 36" 84"	1000	46W24H	46W29H
72" 48" 84"	1000	46W25H	46W30H
96" 24" 84"	620	46W32H	46W37H
96" 30" 84"	620	46W33H	46W38H
96" 36" 84"	620	46W34H	46W39H
96" 48" 84"	620	46W35H	46W40H

Center Support Channels
For front to back decking support. Use one per level for 48" & 72" wide units and two per level for 96" wide units. Supports are easily attached with bolts and wing nuts.



* Capacities shown in pounds are for the steel support beams, not the shelf deck material.

Other sizes are available. Contact your Penco Representative.

Record Storage Units

- *Assembles without special tools*
- *Records can be retrieved from both sides*
- *Add units as storage needs grow*
- *Two shelf types available; particle board and steel box supports*



BOXES
NOT INCLUDED

80 Box Unit with Decking
Shown Cat. No. 46604A
(Order decking Separately)

80 Box Unit With Steel
Box Supports Shown
Cat. No. 46708A

RivetRite Record Storage Units aid in records management by providing an organized solution to high density archive storage.

Two types of units are available; one that utilizes particle board decking to support the boxes, and an all steel unit with specially designed box support angles. (Particle Board must be ordered separately - see sizes at right).

Add-On units utilize a common Tee Post between units to save time and money during assembly.

All box capacities are based on a standard archive box size of approximately 12-1/2" wide x 16-1/2" deep x 10-1/2" high.

Record Storage Units For Use With Decking

Unit Size w x d x h	No. of Shelves	No. of Boxes	Starter Cat. No.	Add-On Cat. No.
42" 15" 84"	4	24	46601A	46613A
42" 30" 84"	4	48	46602A	46614A
69" 15" 84"	4	40	46603A	46615A
69" 30" 84"	4	80	46604A	46616A

Record Storage Units With Steel Box Supports

42" 15" 84"	4	24	46705A	46713A
42" 30" 84"	4	48	46706A	46714A
69" 15" 84"	4	40	46707A	46715A
69" 30" 84"	4	80	46708A	46716A

Other sizes are available. Contact your Penco Representative.

RivetRite Decking Particle Board Decking *



Decking material must be ordered separately from shelf framing. Particle Board supplied by Penco is classified as 1-M-1 interior grade. Additional sizes are available.

If you are cutting your own board, use nominal size and cut +0" -1/8".

* NOTE: Contact your Penco Representative for capacities of particle board and steel framing.

Size w x d	Cat. No.
36" 18"	94605
36" 24"	94606
36" 36"	94608
42" 15"	94614
42" 30"	94617
48" 18"	94625
48" 24"	94626
48" 30"	94627
48" 36"	94628
48" 48"	94629
69" 15"	94644
69" 30"	94647
72" 24"	94656
72" 30"	94657
72" 36"	94658
72" 48"	94659
96" 24"	94666
96" 30"	94667
96" 36"	94668
96" 48"	94669

Wire Decking

It won't trap dirt, and makes overhead sprinklers more effective. Easy installation. Contact your Penco representative for more information.





Wide Span Shelving Units

For **Wide, High or Bulky** Loads



Often imitated, never duplicated. Penco Wide Span is the standard of the industry for shelving designed to bridge the storage gap between conventional shelving and pallet rack, and is ideal for a wide range of *manually-loaded* applications.

Penco Wide Span is without question the quickest and easiest shelving product to assemble. There are a minimum number of parts, and all major parts simply fit or snap into place. No bracing to add; no hardware required.

Penco Wide Span standard finish is 028 Gray baked powder coat enamel.

NOT FOR FORK TRUCK LOADING

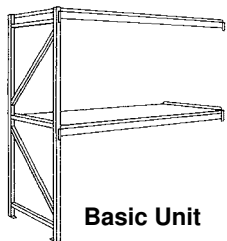
How To Order

Wide Span Units are easy to order. Shown below are common sizes of units with 2 and 3 steel shelves. Order as many Basic Units as you need for your row of shelving, then order one Rack Ending Kit to end each row or single unit.

When planning a row of Wide Span, allow for the 1-3/4" width of each upright post and 1/4" additional per bay for the thickness of the beam ends.

Many other sizes are available, contact your Penco representative for complete details.

2 Shelf Units - Steel



Basic Unit

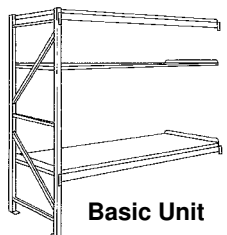


Rack Ending Kit

Width	Height	30" Deep		36" Deep		48" Deep	
		Basic Unit Cat. No.	Rack Ending Kit Cat. No.	Basic Unit Cat. No.	Rack Ending Kit Cat. No.	Basic Unit Cat. No.	Rack Ending Kit Cat. No.
60"	96"	20383	20018C	20391	20019C	20407	20021C
72"	96"	20385	20018C	20393	20019C	20409	20021C
84"	96"	20387	20018C	20395	20019C	20411	20021C
96"	96"	20389	20018C	20397	20019C	20413	20021C

Basic 2 Shelf Unit Includes: 1 Upright Frame, 2 Steel Shelf Levels, 2 Pair Side Shelf Supports, 2 Pair Rigidity Beams - (Order Rack Ending Kit Separately)

3 Shelf Units - Steel



Basic Unit



Rack Ending Kit

Width	Height	30" Deep		36" Deep		48" Deep	
		Basic Unit Cat. No.	Rack Ending Kit Cat. No.	Basic Unit Cat. No.	Rack Ending Kit Cat. No.	Basic Unit Cat. No.	Rack Ending Kit Cat. No.
60"	120"	20415	20034C	20423	20035C	20439	20037C
72"	120"	20417	20034C	20425	20035C	20441	20037C
84"	120"	20419	20034C	20427	20035C	20443	20037C
96"	120"	20421	20034C	20429	20035C	20445	20037C

Basic 3 Shelf Unit Includes: 1 Upright Frame, 3 Steel Shelf Levels, 3 Pair Side Shelf Supports, 2 Pair Rigidity Beams - (Order Rack Ending Kit Separately)

FOR SAFETY PURPOSES WE RECOMMEND THAT WIDE SPAN BE FLOOR OR WALL ANCHORED

Upright Frames

Penco Wide Span Upright Frames are made from heavy gauge steel, MIG welded into one rigid assembly containing posts, horizontal and diagonal braces, and foot plates. There is no assembly required.



Posts are punched to provide positive independent beam placement on 2" vertical centers. Posts are marked on 12" centers for easy placement of shelf levels. A slot on each side of the post accepts a nib on the end of each beam, to lock it in place.

Frames have a capacity of 7,500 pounds with a 1.92 safety factor where beam spacing does not exceed 60".

NOTE: Consult the Penco Engineering Department regarding any Wide Span Shelving to be installed in areas with high seismic activity.

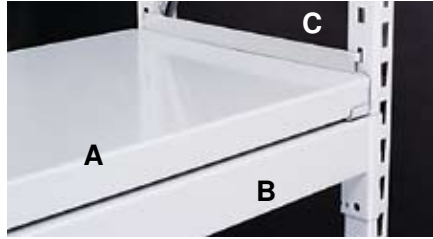
Upright Height	Upright Depth		
	30"	36"	48"
96"	20018C	20019C	20021C
120"	20034C	20035C	20037C

Steel Shelves (A)

Penco Steel Wide Span Shelves provide a smooth, safe surface for storing a wide variety of items. They are 1-3/4" high and feature double flanges at front and rear edges with a full width reinforcing pan welded to the center of the bottom.

Each shelf requires a pair of Side Shelf Supports. Order separately.

Shelf Width	Cat. No.	Capacity* (Lbs.)
30" Deep		
60"	22530C	1800
72"	22630C	1500
84"	22730C	1200
96"	22830C	900
36" Deep		
60"	22536	2400
72"	22636	2000
84"	22736	1600
96"	22836	1200
48" Deep		
60"	22548	1800
72"	22648	1800
84"	22748	1600
96"	22848	1200



Rigidity Beams (B)

Rigidity beams provide lateral stability for units with steel shelves; a minimum of 2 pairs of beams is required per unit. Constructed of 3" high steel channels with return flanges, with a beam end connector welded to each end.

Rigidity Beams are not necessary at each shelf level. Beams are supplied in even foot lengths from 4' through 8'. Clearance between upright frames is 1/4" more than stated beam size.

Width	Cat.No. (per each)
60"	20116C
72"	20117C
84"	20118C
96"	20119C

All Wide Span Beams have a patented Beam Lock that secures the beam end to the upright post to retard accidental beam dislodging.



An embossed nib on the beam end engages a slot on the side of the upright post, which holds the beam end tight against the post. Can be disengaged with a rubber mallet. U.S. Patent No. 4,928,834

Side Shelf Supports (C)

Each support engages the upright frame at four points. Tangs stamped into the surface engage the reinforcing pan on the shelf bottom to prevent accidental dislodging. Order one pair for each shelf.

Depth	Cat. No. (per Pair)
30"	22030
36"	22036
48"	22048

* Capacity for evenly distributed loads.

Plywood used in lieu of Steel Shelves

Special beams and supports are used when plywood or other composition type panels are used in place of steel shelves (these deck materials must be purchased separately).



Standard Plywood Beams (D)

Supports 1/2" thick deck material flush with top of beam flange when used with the appropriate number of Plywood Support Angles. Overall height is 3-1/2". Beam step is 1-1/2" deep x 5/8" high. A 48" deep deck fits between beams without trimming when a 48" deep upright frame is used.

Length	Cat No. (per each)	Capacity (Lbs.)* (per pair)
48-1/2"	20343C	2500
60-1/2"	20344C	2120
72-1/2"	20345C	1760
84-1/2"	20346C	1500
96-1/2"	20347C	1350

Standard Plywood (E) Beam Support Angle

Support Angles engage slots in the beam step. Order separately from beams. Order 2 per pair of 48-1/2" & 60-1/2" beams; 3 for 72-1/2" & 84-1/2" beams; 4 for 96" beams.

Depth	Cat.No.
30"	20330C
36"	20342C
48"	20336C

For Rigid Wall Brackets and Rigid Row Spacers, see the Pallet Rack section that follows.

For more information, visit www.pencoproducts.com



Pallet Rack

Penco Pallet Rack is a carefully engineered system designed to provide highly efficient storage of palletized items. Combining design excellence with the use of high strength steels achieves a superior strength to weight ratio.



Beam lengths to 12 feet and upright frames as high as 20 feet are available. Greater height is possible with splicing.

Upright Frames - are furnished completely fabricated, welded into rigid units. Standard finish for upright frames is 028 Gray baked powder coat enamel. Beam heights adjust on 3" vertical centers, and are independent on each side of the frame.

Beams - available in various lengths and capacities to handle a wide variety of loads. Beams have integral locking keys for safety, and are finished in 710 Yellow baked powder coat enamel.

Pallet Rack PLUS - For severe conditions, or for use where the likelihood of seismic activity is high, Penco offers an option to upgrade the beam ends and foot plates. Each PLUS beam end has four prongs instead of 3, and each PLUS foot plate is 3/8" thick and covers 35 square inches instead of the usual 7 gauge and 13.7 square inches. For more information contact your Penco Representative.

Pallet Rack Upright Frames

Most Popular Sizes are Shown Below - Other Sizes are Available
(All Dimensions are in Inches)



Type F, *15,380# Max., 14 Ga. 3" x 1-3/4" Post			Type G, *18,900# Max., 14 Ga. 3" x 2-1/4" Posts		
D	H	Part No.	D	H	Part No.
36	72	5FE072	42	120	5GH120
42	72	5FH072	36	144	5GE144
36	96	5FE096	42	144	5GH144
42	96	5FH096	42	192	5GH192
48	96	5FL096			
36	120	5FE120			
42	120	5FH120			
48	120	5FL120			
36	144	5FE144			
42	144	5FH144			

* Frame capacity is based on a maximum vertical distance of 54" between floor and beam, and beam levels.



Pallet Rack Beams (Pair) 1-5/8" Step

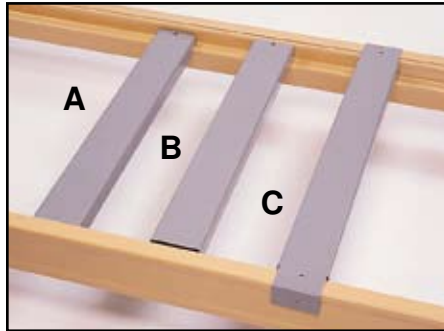
Most Popular Sizes are Shown Below - Other Sizes are Available
(All Dimensions are in Inches)



W	H	Part No. (Pairs)	Capacity per Pair
96" Clear Span			
96	3-3/8	5BD096	3990 Lbs.
96	4-3/16	5BJ096	5290 Lbs.
96	5-3/8	5BS096	7190 Lbs.
108" Clear Span			
108	3-3/4	5BH108	3990 Lbs.
108	4-11/16	5BN108	5340 Lbs.
120" Clear Span			
120	4-3/16	5BJ120	4130 Lbs.
120	4-11/16	5BN120	4810 Lbs.
120	5-3/8	5BS120	5690 Lbs.
144" Clear Span			
144	5-3/8	5BS144	4740 Lbs.



Cross Bars for 1-5/8" Step Beams



A. 3/4" Plywood Support

Supports 3/4" sheets of Plywood.

Frame Depth	Cat. No.
36"	5AP336
42"	5AP342
48"	5AP348

B. General Duty Cross Bar

Supports loads smaller than unit depth on 1-5/8" step beams. Not for plywood.

Frame Depth	Cat. No.
36"	5AX636C
42"	5AX642C
48"	5AX648C

C. Heavy Duty Flanged Cross Bar

Supports heavier loads smaller than unit depth on 1-5/8" step beam.

Frame Depth	Cat. No.
36"	5AX736C
42"	5AX742C
48"	5AX748C



Frame Deflector

Anchors to floor at front of post. Provides protection against material handling vehicles.

Ht.	Cat. No.
18"	5AF018



Rigid Wall Bracket

Structurally connects racks to wall for additional stability. Frame hardware included.

Size	Cat. No.
6"	5AR406

Rigid Row Spacers



Structurally connects and spaces two rows of rack back-to-back. Bolted type. Hardware included.

Space	Cat. No.
6"	5AR506
8"	5AR508
12"	5AR512

Other Options

This catalog shows only the most popular sizes and types of Pallet Rack and accessories. Refer to the Penco General Catalog and Schmidt Structural Product WorkSafe™ brochures for more information about the following:

- Cantilever Rack
- Frame Extenders
- Double Posted Frames
- More Frame & Beam Sizes
- Higher & Lower Capacities
- Additional Accessories

WorkSafe™ Products

- Barrier Rail, Bollards, Guide Rail
- Sprinkler Guards, Door Track Guards
- Column and Rack Post Protectors

How To Select Pallet Rack

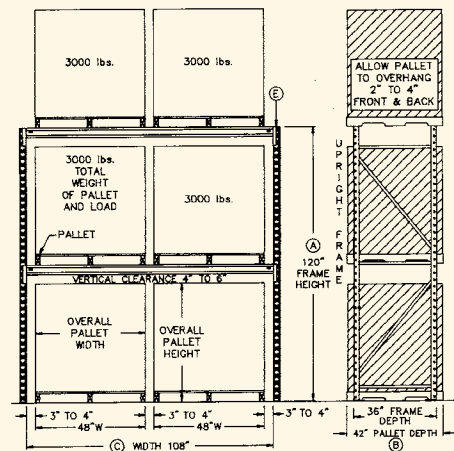
A. Height: Measure the vertical dimensions of the pallet, pallet load and beam. Add an extra 4" to 6" clearance between bottom of beam above and top of load on pallet. Top beam should be a minimum of 6" less than the lifting height of your forklift.

B. Depth: Measure the depth of the pallet. Pallet should overhang the frame by 3" front and back. (Example: for a 48" deep pallet use a 42" deep frame).

C. Width: Measure the width of the load and pallet, and use the greater of the two. Add 3" to 4" between loads and between loads and upright frames to determine correct beam length. Select beams with a capacity equal to or greater than the total load of each level.

D. Frame Capacity: Add the total weight of all loads for each bay (exclude the pallets on the floor).

E. A common frame should be used between each of the sections.





Multi-Level & Shop Furniture

Work Platforms & Multi-Level Shelving

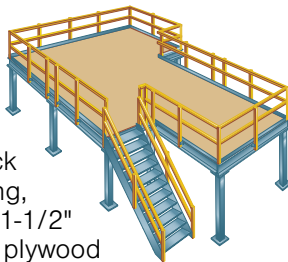


Multi-Level Shelving

Penco shelving has the structural integrity to allow for custom design of multi-level installations in a myriad of configurations using Clipper®, Erectomatic® or other combinations of our products. Your Penco representative will discuss these options with you to determine which shelving product will work the best with your application.

Free-Standing Custom Work Platforms

Penco's subsidiary Schmidt Structural Products produces free-standing structures for applications that require longer spans while retaining a load rating of 125 pounds or more per square foot. These are custom fitted to specific shape, size or height requirements. Structural steel components are used, and a variety of deck options are available such as Penco Channel Lock Safety Grating, bar grating, 1-1/2" B-Deck with plywood and diamond plate.



Channel Lock Safety Grating

Penco Channel-Lock Grating's hot-dip galvanized coating insures long life for interior or exterior applications. For Multi-level Shelving walkways and work platforms. Other decking types are available.



Inventory Cart



The Penco Inventory Cart delivers the goods by reducing the cost of material handling. It carries supplies, orders, merchandise, tools, files from point to point with ease. Shelves can easily be added and adjusted to fit a wide variety load sizes, providing greater flexibility compared to traditional carts. 48" high Inventory Cart has 3 shelves. 60" high Inventory Cart has 4 shelves. Standard color is 723 Light Putty. Widths of 36", 48" and 60" are available in Heights of 48" and 60". The depth of all units is 24".

Service Carts

Heavy duty 32" high steel service cart for the movement of materials, tools, mail or stock through a plant or office. The steel trays are 3" deep with smooth formed edges. The top tray can be turned upside down for a flush surface. Two rigid and two swivel casters are standard (standard color is powder coated 028 Gray).



Two Tray Carts

Width	Depth	Cat. No.
16"	30"	33000
24"	36"	33001

Extra Trays

Width	Depth	Cat. No.
16"	30"	33010H
24"	36"	33011H

Shop Desk



The Penco Shop Desk is ergonomically designed for an active work environment. The angled desktop creates a comfortable surface for handwriting and data entry. The riser compartments allow work materials to be organized within easy reach. The lower riser compartment is large enough to store a keyboard and work materials so the desktop can be free of clutter. Additional items can be stored in the lockable drawer. Finished in 028 Gray. Desk height can be adjusted from 41" to 43-1/2".

Stools



Penco all purpose stools are available in two height ranges, and can be ordered with and without adjustable backrests.

Both sizes offer 8" height adjustment on 1" centers with easy lock-screw adjustment on the telescoping lower leg. All stools have plated swivel glides to distribute weight evenly. For extra comfort, gray leatherette seat and back cushions are available.

Stools are gray enamel. Sold in minimum quantities shown below.

Type	Height	Qty.	Cat. No.
W/O Backrest	18"-26"	2	9317
W/O Backrest	24"-32"	2	9316
Backrest	-	2	9336
Seat Cushion	-	-	9315
Backrest Cushion	-	-	9314

Open Work Benches



Two Leg Styles

Steel Top With Adjustable Bench Leg

Steel Top With Fixed Leg

These classic work stations provide a rugged platform for work of all types. Available with fixed height or adjustable legs. Standard units include a top, legs and stringer. It can be ordered with your choice from 4 types of top materials and accessorized with a lower shelf, drawers, electrical outlet strips, back & end stops and risers.

Work surface height with fixed legs cataloged below is approximately 34". Adjustable height legs feature knockouts for standard electrical outlets and have a work surface height of approximately 30" - 36", adjustable on 1" centers.

Steel Top Bench



Top Size W x D	Fixed Cat. No.	Adj. Cat. No.
48" 28"	34330	34324
60" 28"	34430	34424
60" 34"	34470	34464
72" 28"	34530	34524
72" 34"	34570	34564

Plastic Laminate Top Bench



60" 28"	34434	34429
60" 34"	34474	34476
72" 28"	34534	34529
72" 34"	34569	34576

Tuff Top (Resin Board) Bench



48" 28"	34332	34326
60" 28"	34432	34426
60" 34"	34472	34466
72" 28"	34532	34526
72" 34"	34572	34566

Laminated Hardwood Top Bench



48" 28"	34333	34327
60" 28"	34433	34427
60" 34"	34473	34467
72" 28"	34533	34527
72" 34"	34573	34567

Modular Work Benches



Shown is
Cat. No. 32099

Penco Modular Work Benches offer stability of a rock solid work surface, with the addition of secure storage below for tools, gauges, instruments or other essentials.

The welded cabinet has a center shelf, built-in lock with 2 keys, and is reversible for left or right-hand door operation. It sits on an enclosed base.

Drawers glide easily on nylon rollers and contain a sliding tray for small parts. Each comes with a hasp for padlock attachment. Built-in locks are available.

4 Drawers
1 Cabinet
2 Bases

2 Cabinets
2 Bases

Steel Top Bench

Unit Size W x D x H	Cat. No.	Cat. No.
60" 28" 30"	32090	32010
60" 28" 34"	32095	32015
72" 28" 30"	32110	32030
72" 28" 34"	32115	32035

Plastic Laminate Top Bench

60" 28" 30"	32094	32014
60" 28" 34"	32099	32019
72" 28" 30"	32114	32034
72" 28" 34"	32119	32039

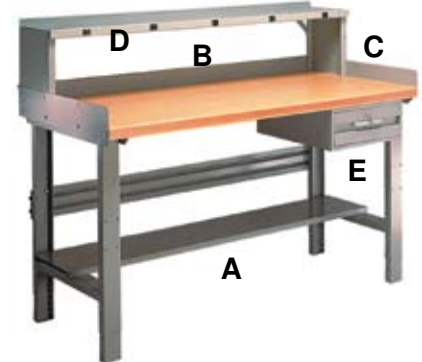
Tuff Top (Resin Board) Bench

60" 28" 30"	32093	32013
60" 28" 34"	32098	32018
72" 28" 30"	32113	32033
72" 28" 34"	32118	32038

Laminated Hardwood Top Bench

60" 28" 30"	32092	32012
60" 28" 34"	32097	32017
72" 28" 30"	32112	32032
72" 28" 34"	32117	32037

Bench Accessories



A. Bench Shelves - Full width 11-5/8" deep shelf fastens to legs for storage. Hardware included.

Width	Cat. No.
48"	31110H
60"	31115H
72"	31120H

B. Back and End Stops - 3" high barrier with rounded front corners.*

Width	Depth	Cat. No.
48"	24"	30971
48"	28"	30976
60"	28"	30977
60"	34"	30987
72"	28"	30978
72"	34"	30988

C. Riser - Provides a 12" High x 10" deep shelf above the work surface.*

Width	Cat. No.
48"	30965
60"	30966
72"	30967

D. Electrical Outlet Strip - For grounded 3-prong plugs. Finished in Ivory enamel. (mounting hardware not included).

Size	Outlets	Cat.No.
60"	5	9371
72"	6	9372

E. Case and Drawer - Hangs beneath top or stacks to support a modular work bench. Includes sliding tray. Drawer moves on nylon rollers and can be locked with *optional* built-in locks or padlock. Stacking hardware included. For fastening to steel top, order two drawer mounting channels.

Drawer Size	Cat. No.
20" d x 15-3/4"w x 6-3/4" h	30960
20" d x 21-3/4"w x 6-3/4" h	30962

Drawer Mounting Channels - for steel top. Order 2 per drawer unit.

Depth	Cat. No.
24"	31140
28"	31141
34"	31143

F. Built-In Drawer Lock - 2 keys
Cat. No. 9389

Color: Unless stated otherwise all steel items on this page have a powder coat finish of 028 Gray.

Many Other Models and Sizes available, contact your Penco Representative.

* Hardware for mounting to steel tops included. For mounting to wood or composition tops order Mounting Kit Cat. No. 31223.



Vanguard™ Lockers

See full "Steel Lockers", "Plastic Lockers" & "SmartLocker" catalogs for more details.

Locker Overview: Penco Vanguard™ Lockers are presented on this page in some detail. Guardian™, Invincible™, Stadium®, All-Welded, Angle Iron, ProTough®, Plastic and SmartLockers® are summarized on the next page, with locker accessories on the following page. Additional information can be found on our web site (www.pencoproducts.com) and in our catalogs for "Steel Lockers", "Plastic Lockers" and "SmartLocker". Vanguard, Guardian and Invincible II lockers are shipped unassembled (KD) unless otherwise indicated, and all lockers (except SmartLocker) accept optional locks. Steel Lockers are beautifully finished in powder coat enamel in 21 decorator colors. For sizes or configurations not shown here, or ADA requirements, contact your Penco representative.

Vanguard Lockers



Single Tier

The most popular and widely used locker offers maximum space for full hanging clothing and other belongings. Most sizes have a shelf near the top.



Double Tier

Accommodates twice as many people as single-tier lockers in the same floor space, while still providing enough room for light outer wear and personal belongings.



Box Lockers

Box lockers allow numerous users in the smallest amount of floor space. Ideal for storage of athletic gear or employee personal storage. (3-Tier Vanguard lockers are also available with multi-point latching.)



Two Person

Provides ample room for two people while occupying about the same space as a single tier locker. Full width book compartment doors at top and tall doors for clothing at bottom.

Multi-Point Latching



The patented die-cast handle and multi-point latching are standard on all Single, Double Tier, 2-Person and Duplex Vanguard Lockers.



Box Locker Door Pull

All box lockers come standard with a friction catch door pull handle with padlock hasp.



Optional Recessed Handle

Most Vanguard Lockers can also be ordered with stainless steel recessed handles. These are now standard on 1, 2 and 3 tier Quick Ship lockers.



Wall Mounted Locker Coat Rack



A practical storage unit where space is at a premium. Four roomy private compartments with a hanging area for 16 coats. The floor below is kept clear for easy cleaning (wall anchors are not included). Can also be set on counters or cabinets (without coat rod).

16 Person

Accommodates 16 users in only 69" of floor space. Includes a 45" wide coat rod. Excellent for employee lockers. May be used with built-in locks or padlocks.



Popular Sizes of Vanguard Lockers

Nominal Opening Heights (Inches)							
W x D inches	1-Tier	2-Tier	3-Tier	4-Tier	5-Tier	6-Tier	2 Person Lg./Sm.
9 12	60, 72	30, 36	-	-	-	-	-
9 15	60, 72	30, 36	-	-	-	-	-
9 18	60, 72	30, 36	-	-	-	-	-
12 12	30.5, 36.5, 48.5, 60, 72	30, 36, 42	20, 24	15, 18	12, 14.4	12	-
12 15	30.5, 36.5, 48.5, 60, 72	30, 36, 42	20, 24	15, 18	12, 14.4	12	-
12 18	30.5, 36.5, 48.5, 60, 72	30, 36, 42	20, 24	15, 18	12, 14.4	12	-
12 21	60, 72	30, 36	20, 24	15, 18	14.4	12	-
12 24	60, 72	30, 36	-	-	-	-	-
15 12	60, 72	30, 36	24	-	-	12	40/10, 52/10
15 15	60, 72	30, 36, 42	24	15, 18	12, 14.4	12	40/10, 52/10
15 18	60, 72	30, 36, 42	24	18	12, 14.4	12	40/10, 52/10
15 21	60, 72	30, 36	-	-	-	12	52/10
15 24	60, 72	30, 36	-	-	-	-	-
18 12	60, 72	36	24	-	-	-	-
18 15	60, 72	36	24	-	-	-	-
18 18	60, 72	36	24	-	-	12	-
18 21	60, 72	36	-	-	-	12	-
18 24	60, 72	-	-	-	-	-	-
24 18	60, 72	-	-	-	-	-	-
24 21	60, 72	-	-	-	-	-	-
24 24	60, 72	-	-	-	-	-	-

Quick Ship Lockers

72 hour shipment from multiple warehouse locations. Visit www.pencoproducts.com/quick_ship.html for more information.

Steel Lockers: Many Vanguard lockers are available with 72 Hour Quick Shipment finished in 028 Gray or 073 Champagne (1, 2, & 3-tier QuickShip lockers have recessed handles). Assembly, slope tops, fillers, benches and pedestals are also available.

Plastic Lockers: Available with 72 Hour Quick Shipment finished in Royal Blue, Dove Gray and Light Tan. Plastic benches and aluminum pedestals are also available.



Other Locker Types

See full "Steel Lockers", "Plastic Lockers" & "SmartLocker" catalogs for more details.



Guardian™

Solid Door Lockers

- Solid door design.
- Classic III stainless steel recessed handles.
- Accepts padlocks or built-in locks.
- Multi-point latching with rubber bumpers on all latch hooks
- Available in 1, 2, 3 tier, 2 Person and Duplex.

Additional Guardian Models:

- Medallion - sound dampening panel welded to door.
- Guardian Plus - increased door thickness to 14 gauge.
- Guardian Defiant II - single point latch 14 gauge door.



Invincible II™

Extra Strength & Ventilation

- Doors are 14 gauge steel. Sides, tops, bottoms and shelves are 16 gauge steel. Backs are 18 gauge steel.
- Doors & sides have diamond shaped perforations. Solid doors and sides available.
- Standard 1, 2 & 3 tier Invincible doors have a multi-point latch with recessed pocket. Defiant II recessed single point latch doors are available.
- Box lockers are available in 4, 5, 6, 8 and 9 tier configurations and have lockable friction catch doors.



Stadium®

Open Front Heavy Duty Lockers

- Ideally suited for athletic team rooms, fire fighter's equipment or any application where easy access to uniforms and/or equipment is required.
- Optional accessories: security box fastened to the full width shelf, footlocker with a hinged, reinforced seat at the base. Each is lockable.
- Standard diamond perforated sides.
- Stadium lockers are available in K.D. (knocked down) or welded construction.



All-Welded Stadium K.D. Stadium

All-Welded

Welded Unitized Locker

- Ideal for athletic and corridor applications subject to hard use.
- Tops, bottoms and backs span multiple lockers.
- 14 gauge doors, 16 gauge sides, shelves, tops and bottoms. 18 gauge backs.
- Multi-point latch on standard 1, 2 and 3 tier. Optional Defiant II single point latch door is available. Box lockers are available in 4, 5, 6, 8 and 9 tier with friction catch doors.
- Factory welding reduces time spent on installation.
- Diamond-shaped perforations are standard - solid doors and sides are available. Continuous hinges are standard.



Angle Iron

Fully Framed Welded Angle Iron Construction

- Heavy duty frame fabricated from 1" x 1" x 1/8" pickled angle iron steel.
- Sides fabricated from 14 gauge steel with diamond perforations or solid 16 gauge steel securely welded to the frame.
- 14 gauge doors with diamond-shaped perforations and continuous hinges.
- Choice of cremone turn-handle 3 point/3 sided latch or stainless recessed pocket single point latch.
- 6 tier box locker doors have friction catch.



Shown with cremone turn-handle.

ProTough™

Fully Framed Reinforced - Welded

- Reinforced with 18 gauge, 3/4" square steel tubing welded "roll cage" framework.
- Doors, bottoms and perforated sides are 14 gauge steel.
- Diamond-shaped perforated doors and sides. Solid doors & sides available.
- 3 handles choices on 1 & 2 tier: stainless recessed pocket with multi-point, Defiant II single point latch or cremone turn handle with 3 point latch.
- 6 tier lockers have friction catch doors.
- Double pan doors are standard on single point doors.



Shown above with optional 4" high Channel Base.

Plastic Lockers

High Density Polyethylene (HDPE)

Penco plastic lockers are rust proof, abrasion resistant and offer excellent resistance to impact and harsh chemicals. They come in 7 standard colors, with 3 colors available on a QuickShip basis. Many configurations and sizes available. Perfect for pool areas, athletic facilities, day care and employee locker rooms.



SmartLocker®

Electronic Locker System

Computerized identification technology combined with heavy gauge welded lockers controls locker access without the need for conventional locks and keys. Utilizes ID cards or proximity devices. Lockers are networked to a central computer for monitoring and control of access codes.



Slope Top Kits

Slope tops are used to prevent the accumulation of dust and debris, and to discourage the use of locker tops as storage areas. Slope Top Kits attach directly to the tops of standard three wide flat top lockers converting them to slope tops. Available in 028 Gray and 073 Champagne.



Width	Depth	Height	Cat.No.
12"	12"	4"	60230H
12"	15"	5"	60232H
12"	18"	6"	60234H
15"	15"	5"	60238H
15"	18"	6"	60240H
18"	18"	6"	60244H

Individual Closed Bases



Closed bases are designed to fit between standard Penco 6" legs. They present a clean flush appearance and prevent the accumulation of dust and dirt under the lockers.

Front Bases

Width	Cat. No.
12"	60217
15"	60218
18"	60219

End Bases

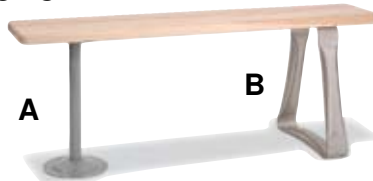
Single Row	
Depth	Cat. No.
12"	60204
15"	60205
18"	60206
Double Row	
24"	60209C
30"	60210C
36"	60211C

Benches

Exceptionally strong. Made from selected hardwood and finished with clear lacquer. 9-1/2" deep x 1-1/4" thick. (Order pedestals separately.)

Size	Cat. No.	Size	Cat. No.
36"	9611	96"	9604
48"	9600	108"	9605
60"	9601	120"	9606
72"	9602	132"	9607
84"	9603	144"	9608

Bench



Pedestals

Order two pedestals for benches 96" long or less; order three for benches over 96".

A. Heavy Duty Pedestal—16-1/4" H.

Pedestal consists of a heavy duty steel tube welded to top and bottom flanges. Hardware for fastening to the bench only is included. Pedestal must be anchored to the floor. Order two or more per bench (see above). Available in all 21 colors. **Cat. No.** 60822H

B. Stainless Steel Free Standing Pedestal—16-1/4" H.

This pedestal has a 14" wide base which allows for moveable free standing use. Holes in the bottom are provided for optional floor anchoring or non-skid pedestal kit #68420. Hardware supplied for fastening to the bench top. **Cat. No.** 60827H

Locker Finish Options

Powder Coat Finish

Penco's standard finish. Powder Coat paint is perfect for most applications, offering a beautiful drip-free surface, better edge coverage and environmentally friendly application.

PowderCoat plus™

PowderCoatplus is a cost-effective way of improving the durability and rust resistance of steel lockers. A 2 mil thick coating of powder coat enamel is applied and baked onto the steel surface. This is an effective alternative to zinc coated steel.

X-Off™ Anti-Graffiti Paint

Penco's X-Off Anti-Graffiti Paint provides a surface coating that allows the easy removal of graffiti and resists corrosion. This specially formulated paint has a tight molecular structure that seals the locker surface preventing graffiti and corrosive agents from penetrating the finish.





With Locking Recessed Handle

3 Popular Sizes • Available K.D. or Assembled • Adjustable Shelves

Penco's E-Z Bilt Cabinets are an ideal solution to storage needs in offices, plants, schools and institutions. Their contemporary design and attractive powder coat baked enamel finish is compatible with any decor. Design features include a recessed handle with built-in lock & 2 keys; 3 hinges per door; three point latching; and 2" shelf adjustment. Available in 3 models and 3 sizes. Shelf capacity is 110 pounds evenly distributed.



Storage Cabinet

Includes: 4 Full Width Shelves

Size w x d x h	K.D. Cat. No.	Assembled Cat. No.
36" 18" 78"	76218	76218A
36" 21" 78"	76221	76221A
36" 24" 78"	76224	76224A



Wardrobe Cabinet

Includes: 1 Full Shelf, 1 Coat Rod, 2 Coat Hooks

Size w x d x h	K.D. Cat. No.	Assembled Cat. No.
36" 18" 78"	76318	76318A
36" 21" 78"	76321	76321A
36" 24" 78"	76324	76324A



Combination Cabinet

Includes: 1 Shelf, 4 Half Shelves that adjust on 6" centers, 1 Coat Rod, 2 coat hooks

Size w x d x h	K.D. Cat. No.	Assembled Cat. No.
36" 18" 78"	76418	76418A
36" 21" 78"	76421	76421A
36" 24" 78"	76424	76424A

With Locking "L" Handle

**2 Popular Heights and Widths • K.D. Construction
Adjustable Shelves**



48" W x 78" H "L" Handle Cabinet

Size (w x d x h)	Cat. No.
48" 24" 78"	76715

The extra width of this 48" wide x 24" deep, 78" high storage cabinet provides abundant secure storage.

Four reinforced shelves, each supported at six points, adjust on 2" vertical centers and will support an evenly distributed load of up to 400 lbs. per shelf. Ships Knocked Down for easy assembly.



42" H "L" Handle Cabinets

Size (w x d x h)	Cat. No.
36" 18" 42"	75018
36" 24" 42"	75024
48" 24" 42"	75124

These 42" high counter height storage cabinets feature a smooth heavy gauge top and are available 36" wide by 18" or 24" deep, and 48" wide by 24" deep.

Two interior shelves adjust on 2" vertical increments. Ships Knocked Down for easy assembly.

All E-Z Bilt™ Cabinets

have reinforcing pans in the doors, doors that swing open 180 degrees for full access to contents, three latching points and two keys per lock.

Available in 2 standard colors; 723 Light Putty and 028 Gray powder coat enamel. Additional colors are available.

Extra Shelves For ALL E-Z Bilt Cabinets

Shelf Size w x d	Cat. No.
36" 18"	766571C
36" 21"	766572C
36" 24"	766573C
48" 24"	766568C



Penco Storage Products



Clipper® Shelving



RivetRite® Shelving



Wide Span Shelving



Pallet Rack



Shop Furniture



Lockers - Steel & Plastic



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www.pencoproducts.com

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