



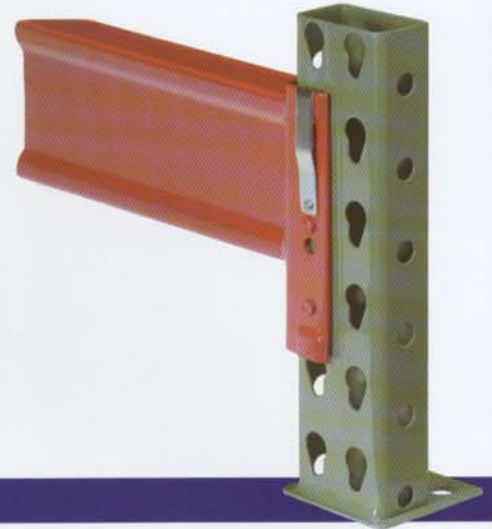
PALLET RACK K-1000



Speedrack® K-1000

DIFFERENCE . . . by design

Unique Speedrack K-1000
...for the strength and torsion
resistance of closed column
construction plus the compat-
ibility of teardrop design.



Speedrack K-1000 VERSATILITY

To solve the problems of storing products not suitable for standard pallets, K-1000 offers a wide range of accessories that make this rack the most versatile possible. Store drums, coils, rolls, non-standard pallets and odd shaped articles. K-1000 beams are also easily adjustable up or down in 2" increments to accommodate load heights. Contact Speedrack for sizes, capacities or other accessories.

1. ROW SPACERS

Row spacers are used to structurally tie and space two row rack back to back. Two ties per frame are recommended.



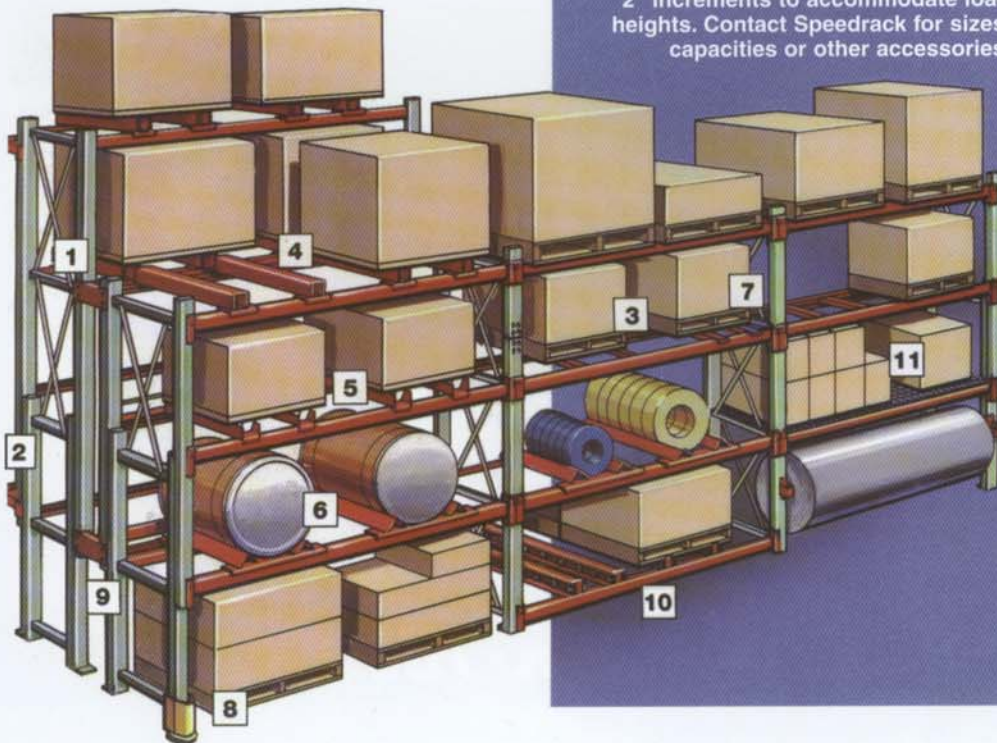
5. SKID CHANNELS

Provide a base for pallets with metal skid runners or underspallets.

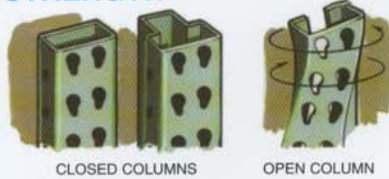


9. SUPER TRUSS®

For heavy rack usage and end of aisle rack protection. Massive three inch Super Truss steel tubes protect rack against destructive fork truck impacts.



STRENGTH



CLOSED COLUMNS

OPEN COLUMN

Any engineer will confirm the fact that a closed tube column is much stronger than an open box channel. A closed column also increases torsional resistance more than 200 times over any relative open shape. All Speedrack columns, beams, horizontals and diagonals are tubular. That's superior!

COMPATIBILITY



Many rack buyers have realized the benefits of Speedrack's traditional tubular rack lines. Now, with K-1000, we provide the ultimate in teardrop design.

GREATER IMPACT RESISTANCE AND SAFETY



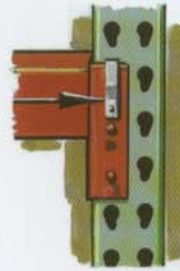
For added safety of both people and products, the K-1000 closed tube column provides much greater resistance to damage by impact than any open box channel configuration. Reduced damage from accidental fork truck/rack collisions means lower indirect warehousing costs.

THREE POINT CONNECTION



Speedrack utilizes minimum 3 pin connectors as a standard, not 2 like many other manufacturers. That provides additional strength, safety and resistance to accidental dislodging. A 2 pin connector is available for special light weight applications

SPRING CLIP



K-1000 pallet rack has a replaceable spring steel safety lock attached to the connector plate. It engages automatically when the beam drops in place. There's nothing to "forget," no bolts to slide, no loose parts. Positive protection from fork truck collision beam disengagement!

COLOR SELECTION

Speedrack K-1000 is available in 5 standard colors: light green, international orange, cerulean blue, dark blue and dark yellow. Custom colors can be quoted upon request.

SPEEDSHIP

Common sizes are stocked for immediate shipment. For a list of available sizes visit www.speedrack.net

2. WALL ANCHORS

Wall anchors structurally connect the rack to a wall providing additional stability, support and equal spacing.



3. PALLET SUPPORTS

Provide a base for undersize pallets and prevents them from falling through the rack.



4. FORK ENTRY BARS

Fork entry bars are used with single sheet pallets or products not having fork clearance.



6. DRUM/COIL CRADLES

Support drums and coils from front to rear of rack to prevent rolling.



7. FLANGED CROSS BARS

Used to prevent undersize pallets or non-palletized items from falling through beams.



8. COLUMN PROTECTORS

Recommended at aisle intersections for protection of column base from truck impact.



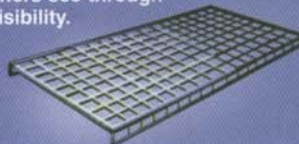
10. LOCK-IN PALLET SUPPORT

Used with slotted beams to support odd sized loads. Installs with built-in locking tabs—no fasteners, no accidents. Three styles available.



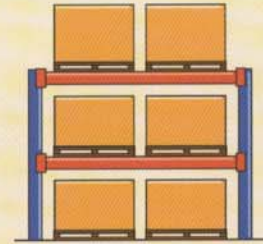
11. WIRE MESH DECK

Wire mesh fits on beams for the storage of products. Open mesh does not accumulate debris and offers see-through visibility.



Selecting K-1000 beams and capacities

Assuming the use of very common flush type pallets, calculations can be made as follows:
 Multiply the maximum load width (in inches) times the number of loads between uprights.
 Add to this 3" to 4" for spacing between each load and uprights. This total is the beam span.
 For capacity required, multiply the maximum load weight (include pallet) times number of loads per pair of beams. This total is your capacity requirement per pair of beams. Use the chart to find the beams that meet or exceed your span and capacity requirements.



BEAM CAPACITY CHART (Pounds per pair, uniformly distributed load)

| LENGTH | 2 3/4" | | 3 1/4" | | 3 3/4" | | 4 1/8" | | 4 1/2" | | 4 1/2" | | 5 1/4" | | 5 1/4" | | 6" | | 6" | |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL | CAP'Y | DEFL |
| 48 | 5,430 | 0.19 | 6,960 | 0.16 | 8,620 | 0.14 | 9,970 | 0.13 | 11,390 | 0.12 | 13,450 | 0.12 | 14,000 | 0.10 | 14,000 | 0.09 | 14,000 | 0.07 | 14,000 | 0.06 |
| 54 | 4,860 | 0.24 | 6,230 | 0.21 | 7,720 | 0.18 | 8,920 | 0.16 | 10,190 | 0.15 | 12,030 | 0.15 | 12,950 | 0.13 | 14,000 | 0.12 | 14,000 | 0.10 | 14,000 | 0.09 |
| 60 | 4,400 | 0.29 | 5,640 | 0.25 | 6,990 | 0.22 | 8,070 | 0.20 | 9,230 | 0.19 | 10,890 | 0.19 | 11,730 | 0.16 | 13,840 | 0.16 | 14,000 | 0.14 | 14,000 | 0.12 |
| 66 | 4,030 | 0.35 | 5,160 | 0.31 | 6,390 | 0.27 | 7,390 | 0.25 | 8,440 | 0.23 | 9,970 | 0.23 | 10,730 | 0.20 | 12,660 | 0.20 | 13,260 | 0.17 | 14,000 | 0.16 |
| 72 | 3,530 | 0.40 | 4,760 | 0.36 | 5,900 | 0.32 | 6,810 | 0.29 | 7,790 | 0.27 | 9,190 | 0.27 | 9,900 | 0.23 | 11,680 | 0.23 | 12,230 | 0.21 | 14,000 | 0.20 |
| 78 | 3,030 | 0.43 | 4,420 | 0.43 | 5,470 | 0.37 | 6,330 | 0.34 | 7,230 | 0.31 | 8,540 | 0.32 | 9,190 | 0.27 | 10,850 | 0.28 | 11,350 | 0.24 | 13,400 | 0.24 |
| 84 | 2,630 | 0.47 | 3,910 | 0.47 | 5,110 | 0.43 | 5,910 | 0.40 | 6,760 | 0.37 | 8,000 | 0.37 | 8,590 | 0.32 | 10,130 | 0.32 | 10,610 | 0.28 | 12,510 | 0.28 |
| 90 | 2,310 | 0.50 | 3,430 | 0.50 | 4,800 | 0.50 | 5,550 | 0.45 | 6,340 | 0.42 | 7,500 | 0.42 | 8,060 | 0.36 | 9,510 | 0.36 | 9,960 | 0.32 | 11,750 | 0.32 |
| 92 | 2,210 | 0.51 | 3,290 | 0.51 | 4,650 | 0.51 | 5,440 | 0.47 | 6,220 | 0.44 | 7,340 | 0.44 | 7,900 | 0.38 | 9,320 | 0.38 | 9,760 | 0.33 | 11,520 | 0.34 |
| 94 | 2,130 | 0.52 | 3,160 | 0.52 | 4,460 | 0.52 | 5,330 | 0.49 | 6,100 | 0.46 | 7,200 | 0.46 | 7,750 | 0.39 | 9,140 | 0.40 | 9,570 | 0.35 | 11,290 | 0.35 |
| 96 | 2,040 | 0.53 | 3,040 | 0.53 | 4,290 | 0.53 | 5,230 | 0.52 | 6,000 | 0.48 | 7,060 | 0.48 | 7,600 | 0.41 | 9,000 | 0.42 | 9,390 | 0.36 | 11,080 | 0.37 |
| 98 | 1,970 | 0.54 | 2,920 | 0.54 | 4,130 | 0.54 | 5,140 | 0.54 | 5,870 | 0.50 | 6,930 | 0.50 | 7,460 | 0.43 | 8,800 | 0.43 | 9,220 | 0.38 | 10,870 | 0.38 |
| 100 | 1,890 | 0.56 | 2,810 | 0.56 | 3,970 | 0.56 | 5,010 | 0.56 | 5,760 | 0.51 | 6,800 | 0.52 | 7,330 | 0.45 | 8,650 | 0.45 | 9,050 | 0.39 | 10,680 | 0.40 |
| 102 | 1,820 | 0.57 | 2,710 | 0.57 | 3,830 | 0.57 | 4,830 | 0.57 | 5,660 | 0.54 | 6,680 | 0.54 | 7,200 | 0.46 | 8,490 | 0.47 | 8,890 | 0.41 | 10,490 | 0.41 |
| 104 | 1,760 | 0.58 | 2,610 | 0.58 | 3,690 | 0.58 | 4,660 | 0.58 | 5,560 | 0.56 | 6,570 | 0.56 | 7,070 | 0.48 | 8,340 | 0.49 | 8,740 | 0.43 | 10,310 | 0.43 |
| 106 | 1,700 | 0.59 | 2,520 | 0.59 | 3,560 | 0.59 | 4,490 | 0.59 | 5,470 | 0.58 | 6,450 | 0.58 | 6,950 | 0.50 | 8,200 | 0.50 | 8,590 | 0.44 | 10,130 | 0.45 |
| 108 | 1,640 | 0.60 | 2,430 | 0.60 | 3,440 | 0.60 | 4,340 | 0.60 | 5,380 | 0.60 | 6,300 | 0.60 | 6,840 | 0.52 | 8,070 | 0.52 | 8,440 | 0.46 | 9,960 | 0.46 |
| 114 | 1,480 | 0.63 | 2,200 | 0.63 | 3,110 | 0.63 | 3,920 | 0.63 | 4,860 | 0.63 | 5,690 | 0.63 | 6,510 | 0.58 | 7,680 | 0.58 | 8,040 | 0.51 | 9,490 | 0.51 |
| 120 | 1,340 | 0.67 | 2,000 | 0.67 | 2,820 | 0.67 | 3,560 | 0.67 | 4,420 | 0.67 | 5,180 | 0.67 | 6,220 | 0.64 | 7,340 | 0.64 | 7,680 | 0.56 | 9,070 | 0.57 |
| 126 | 1,230 | 0.70 | 1,820 | 0.70 | 2,580 | 0.70 | 3,250 | 0.70 | 4,030 | 0.70 | 4,730 | 0.70 | 5,920 | 0.70 | 6,930 | 0.70 | 7,360 | 0.62 | 8,680 | 0.63 |
| 132 | 1,130 | 0.73 | 1,670 | 0.73 | 2,360 | 0.73 | 3,000 | 0.73 | 3,700 | 0.73 | 4,330 | 0.73 | 5,430 | 0.73 | 6,360 | 0.73 | 7,060 | 0.68 | 8,330 | 0.69 |
| 138 | 1,040 | 0.77 | 1,540 | 0.77 | 2,180 | 0.77 | 2,750 | 0.77 | 3,410 | 0.77 | 4,000 | 0.77 | 5,000 | 0.77 | 5,850 | 0.77 | 6,790 | 0.74 | 8,010 | 0.75 |
| 144 | 960 | 0.80 | 1,430 | 0.80 | 2,010 | 0.80 | 2,540 | 0.80 | 3,150 | 0.80 | 3,690 | 0.80 | 4,620 | 0.80 | 5,410 | 0.80 | 6,480 | 0.80 | 7,580 | 0.80 |
| 150 | 890 | 0.83 | 1,320 | 0.83 | 1,870 | 0.83 | 2,360 | 0.83 | 2,920 | 0.83 | 3,420 | 0.83 | 4,290 | 0.83 | 5,020 | 0.83 | 6,010 | 0.83 | 7,030 | 0.83 |
| 156 | 830 | 0.87 | 1,230 | 0.87 | 1,740 | 0.87 | 2,190 | 0.87 | 2,720 | 0.87 | 3,190 | 0.87 | 4,000 | 0.87 | 4,670 | 0.87 | 5,590 | 0.87 | 6,540 | 0.87 |
| 162 | 770 | 0.90 | 1,150 | 0.90 | 1,620 | 0.90 | 2,050 | 0.90 | 2,540 | 0.90 | 2,970 | 0.90 | 3,720 | 0.90 | 4,360 | 0.90 | 5,220 | 0.90 | 6,100 | 0.90 |
| 168 | 720 | 0.93 | 1,070 | 0.93 | 1,520 | 0.93 | 1,920 | 0.93 | 2,370 | 0.93 | 2,780 | 0.93 | 3,490 | 0.93 | 4,080 | 0.93 | 4,880 | 0.93 | 5,710 | 0.93 |
| 174 | 680 | 0.97 | 1,010 | 0.97 | 1,420 | 0.96 | 1,800 | 0.97 | 2,230 | 0.97 | 2,610 | 0.97 | 3,270 | 0.97 | 3,830 | 0.97 | 4,580 | 0.97 | 5,360 | 0.97 |
| 180 | 640 | 1.00 | 950 | 1.00 | 1,340 | 1.00 | 1,690 | 1.00 | 2,090 | 1.00 | 2,450 | 1.00 | 3,070 | 1.00 | 3,600 | 1.00 | 4,310 | 1.00 | 5,040 | 1.00 |

Notes:

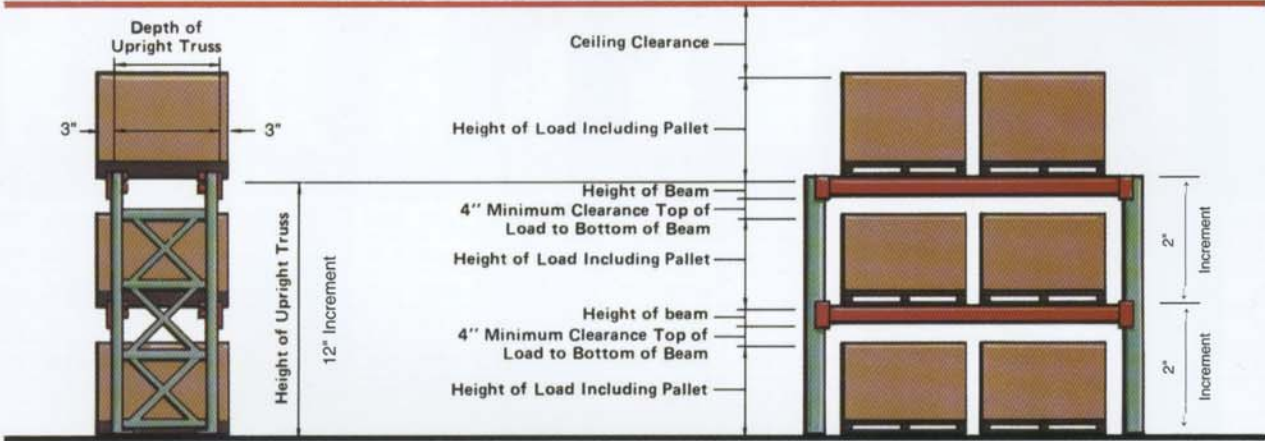
- 1) Capacities are based on the 1996 AISI and the 1997 RMI Specifications. Values below the heavy line are limited by a deflection of L/180.
- 2) Capacities include partial end fixity, and are valid only when used in Selective rack.
- 3) Capacities are not valid for seismic conditions - contact Engineering for design requirements.
- 4) **Capacities include dead load and impact provisions**, and are based on a uniform load of two pallets on a pair of beams. Contact Engineering for other load conditions.
- 5) Deflection shown is approximate and will vary under actual loading conditions.
- 6) For beams longer than 96", where ledge loading exists, use a "lock-in crossbar" to limit beam twist.

Special Order Only

Upright Truss Selection Guide

NOTES:

- 1) Capacities are based on the 1996 AISI Specification and the 1997 RMI. Capacities are not valid for seismic applications.
- 2) Spacing is based on the distance from the floor to the first beam level. Capacities are also valid for the distance between beams by adding 3" to the actual spacing. Upper level spacing may control design. (See note below.)
- 3) Capacities are based on the use of racks on a concrete floor slab, with anchors determined in accordance with Speedrack Engineering Bulletin #6, and with standard bracing configurations.
- 4) For frame depths less than 36", contact Engineering for bracing, anchorage, and base plate check.
- 5) For Seismic loads, other special applications or loading conditions, or double column capacities, contact Engineering.



K-1000 Upright Truss Capacity Chart (pounds)

Load capacity of any upright truss will vary with the conditions of loading, bracing configuration and beam positioning. You should consider: floor condition, truck exposure, location, etc.

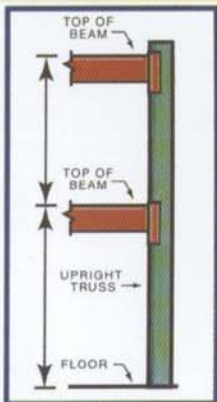
To determine upright truss load capacity requirement:

- Add the weight of all pallet loads between upright trusses (one rack bay).* *Do not include pallets on the floor.*

To determine upright truss type:

- Determine the distance from the floor to the top of the first beam or maximum beam spacing, whichever is greater.*

- Using the beam position and the load capacity requirement, determine the proper upright truss from the upright truss capacity chart.



| SPACING | DC | DB | EB | EA | GC | GB | GA |
|---------|--------|--------|--------|--------|--------|--------|--------|
| 36 | 20,900 | 26,400 | 39,500 | 46,600 | 27,700 | 35,900 | 42,200 |
| 48 | 20,000 | 25,300 | 32,000 | 37,600 | 27,700 | 35,900 | 42,200 |
| 54 | 18,000 | 22,600 | 28,100 | 33,000 | 27,700 | 35,900 | 42,200 |
| 60 | 16,000 | 19,900 | 24,300 | 28,400 | 26,500 | 34,200 | 40,400 |
| 66 | 14,000 | 17,300 | 20,700 | 24,100 | 24,500 | 31,400 | 37,000 |
| 72 | 12,100 | 14,800 | 17,300 | 20,100 | 22,400 | 28,600 | 33,600 |
| 78 | 10,300 | 12,600 | 14,600 | 17,000 | 20,400 | 25,800 | 30,300 |
| 84 | 8,900 | 10,800 | 12,500 | 14,600 | 18,300 | 23,000 | 27,000 |
| 90 | 7,800 | 9,400 | 10,900 | 12,700 | 16,400 | 20,400 | 23,900 |
| 96 | 6,800 | 8,200 | 9,500 | 11,100 | 14,500 | 17,900 | 21,000 |

*If the spacing above the first beam level controls the upright capacity, subtract the bottom beam load from the total bay load.



K-1000 is today's best teardrop pallet rack value.

Pallet rack is the backbone of any storage system regardless of how sophisticated it may be! Recognizing this, Speedrack has through the years continued to improve and refine its unique closed tube rack which is proven to be the superior design in pallet rack.

Now, Speedrack's K-1000 series offers all the benefits of closed tube design plus compatibility with ordinary teardrop patterns. Companies adding to older existing storage facilities can now retain the same teardrop pattern yet enjoy the benefits of the stronger, more torque resistant Speedrack K-1000. Pound for pound, K-1000 is the strongest teardrop rack you can buy. It is also the greatest value! Compare. Let your Speedrack representative quote on your pallet rack requirements today.

For additional information and specifications on Speedrack Products and services, please contact Speedrack or your local distributor for information on any of the products listed below:

- Speedrack selective rack
- Speedrack K-1000 (teardrop) selective rack
- Speedrack structural rack
- Speedrack Keystone selective rack
- Speedrack Cantilever rack
- Speedrack drive-in/drive-through rack
- Speedrack furniture cantilever
- Speedrack heavy duty cantilever
- Speedrack Modular Rollback™ / Modular PushBack™
- Cant-leg® upright trusses
- Super Truss® upright trusses
- Rack safety
- Modular Pallet Flow
- Pallet Flow Rails

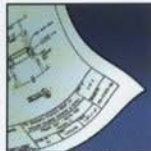
Information on other products and services is also available upon request.
For information visit our Web site at Speedrack.net.



MODULAR PALLET FLOW



SELECTIVE RACK



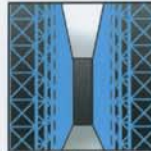
ENGINEERING



CANTILEVER RACK



MODULES



RACK SUPPORTED BLDG.



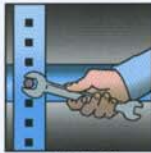
MODULAR ROLLBACK™



FURNITURE CANTILEVER



DRIVE-IN



INSTALLATION

Speedrack Products Group, LTD.

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