

## **Product Benefits & Specifications - SK3000**

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### **Channel Bolted Pallet Rack Upright Frames**

Steel King upright frame columns consist of 3" or 4" structural channel steel. Steel thickness, especially in corner sections, enables greater resistance to fork truck impact damage, while increasing load carrying capacity and resistance to seismic forces.

Upright frames are punched on 4" vertical centers. Beam connector clips are specially punched to allow for vertical adjustability in 2" increments.

Diagonal and horizontal braces are used throughout the entire frame. Braces are 2" x 2" and 1.5"x1.5" structural angles, welded to the columns.

Footpads are made of 7-gauge steel plates, and are welded to each column, efficiently dispersing floor loads.

Each footpad features multiple anchor holes, facilitating installation and re-anchoring.

Has a safety factor equaling 1.92: 1.

Minimum steel yields:

Columns: 50,000 p.s.i.

Balance: 36,000 p.s.i.

All Steel King capacities are based upon minimum steel yields, rather than the actual average steel yield we receive. Your capacities, on average, will be greater than those stated, and will never be less than stated.

## **Product Benefits & Specifications- SK3000 Beams**

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### **Load Beams**

All Steel King beams are constructed of either structural "C"-channel or formed step beams. This allows us to provide you the most effective and economical rack for your load and usage patterns.

All beams are constructed of high-strength (50,000 p.s.i. minimum) steel. Our capacities are based on minimum steel strength, not the average. Actual capacity for all our beams is equal to or greater than listed capacity.

Has a safety factor equaling 1.67:1.

### **Beam Connections**

Steel King beam connectors are constructed of heavy 5-gauge steel plates, featuring a wrap-around design.

Beams are bolted to the upright frame column. There is no need for an extra safety lock to secure the SK3000 connection.

Each end of each load beam is bolted to the column with two grade-5 bolts and nuts, providing higher moment capacity than one-bolt designs.

Every connector plate features round holes, not slots. This and the use of two bolts instead of one, eases installation by providing automatic "squaring" and "plumbing" of the rack, without the use of come-alongs or turnbuckles.

Bolted beams are easily adjustable in 2" vertical increments, and can be adjusted just as easily and quickly as boltless designs.

Bolted connections are designed to exceed RMI standards, and will withstand an accidental upward impact of 1,000 lbs. for operational safety.

## **Product Benefits & Specifications - Drive-in**

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### **Load Rails, Structural Angle Type**

All Steel King load rails are constructed of structural angle steel, providing increased strength and abuse resistance.

Structural angles are positioned so the angle's vertical leg acts as a load guide. This maintains proper load positioning, keeping it on the rails. It also prevents the load from falling between the rails.

All Steel King drive-in rails feature rear rail "stops". These stops prevent loads from being pushed off the back of the rack. Different from add-on stops, every Steel King stop is welded to its rail, which decreases installation costs and reduces additional parts.

Steel King drive-in rails are available with "flared" angles at the rack's entrance, easing loading and unloading.

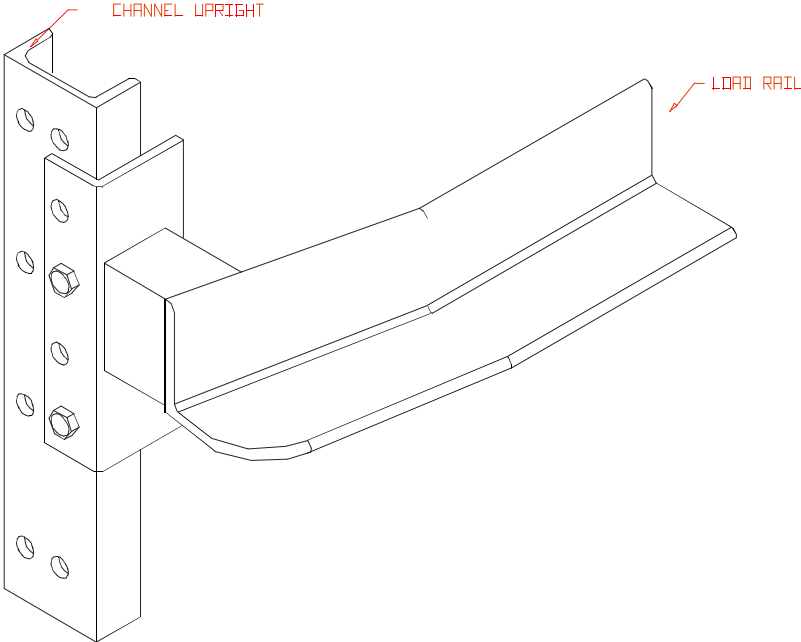
All bolted connections utilize high strength grade-5 hardware.

Front arms are welded to the rail's side. This reduces rail protrusion into the aisle by 2"-3", improving safety and reducing the risk of possible product damage.

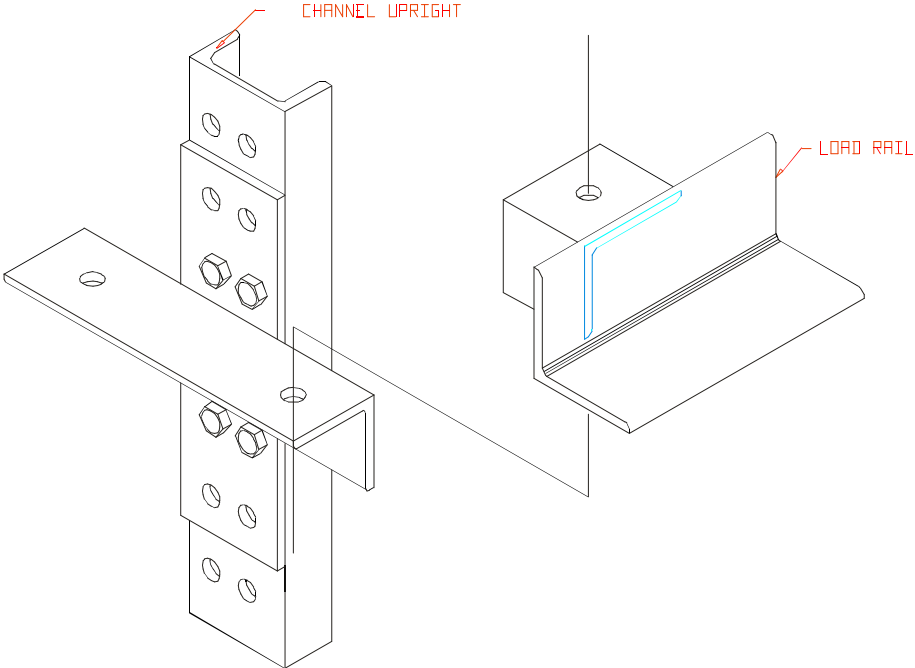
# Detail - SK3000 Arm Connections

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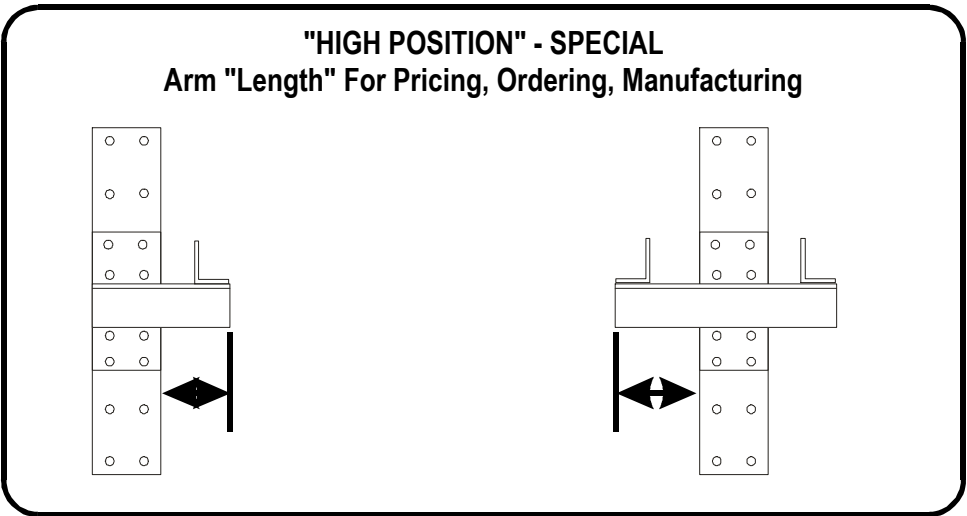
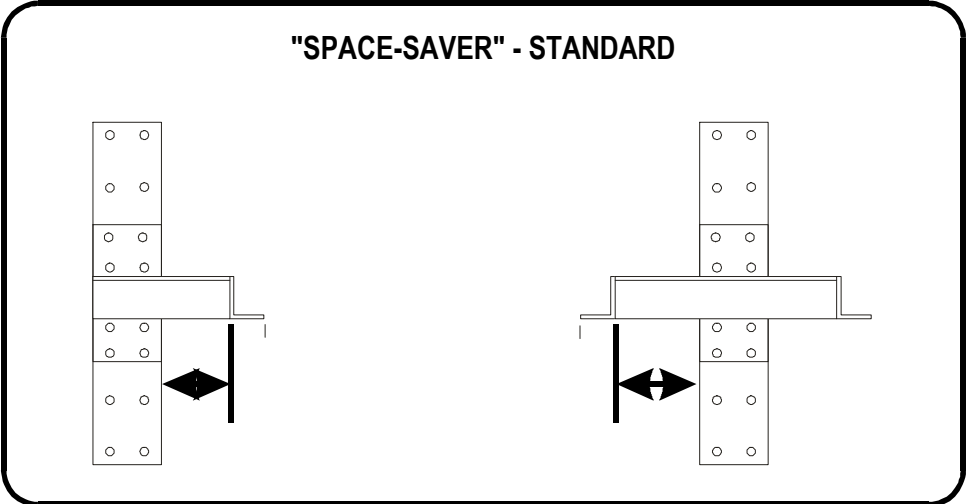
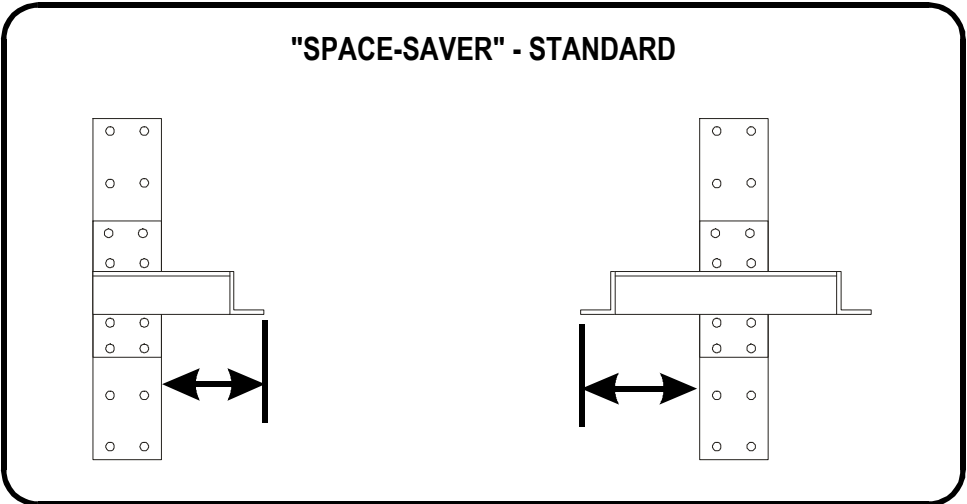
Arm/Frame Connection- Front Arm(AISLE SIDE)



Arm/Frame Connection- Interior Frames



# Detail - SK3000 Arm Lengths



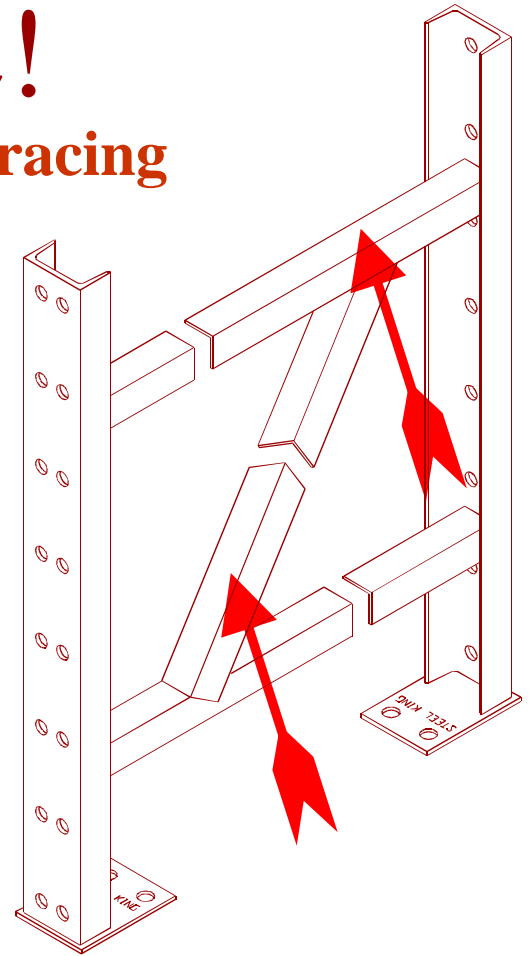
# Another SK3000

## Exclusive Feature!

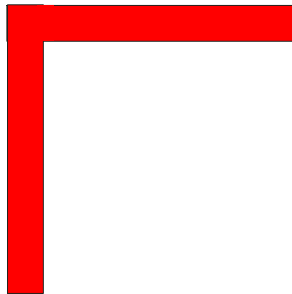
**The Industry's Heaviest Frame Bracing  
at NO EXTRA CHARGE!**

Unlike most run-of-the-mill pallet racks, SK3000 features extra heavy horizontal and diagonal braces, at no extra charge! This feature helps to transmit accidental impact loads to the rear column, and withstands side impacts better, for less rack damage. This is another feature that decreases the "cost of ownership" for SK3000 racks, by reducing maintenance costs, and improving safety!

Make sure to consider this important benefit!



Light-duty 1/8" x 1" flat  
bracing  
as by others



*Heavy structural angle bracing  
up to 2" x 2" x 1/4"  
as used on SK3000!*

Bracing shown at 75% of actual size

For more information, contact your Regional Sales Manager, or the corporate office @ 800-826-0203.

*"SK3000 . . . The BEST In Structural Pallet Rack!"*

# SK3000

# STEEL KING