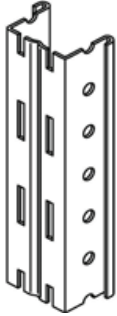
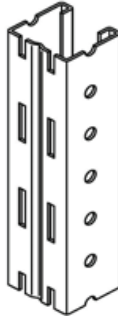




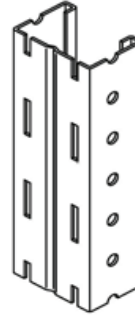
UPRIGHT FRAME CAPACITIES



Style 32C

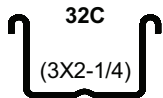


Style 33C

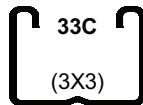


Style 43C

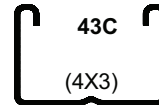
Frame Profiles & Capacities



UF-S32C UF-M32C UF-H32C



UF-S33C UF-R33C UF-M33C UF-Y33C UF-H33C



UF-M43C UF-H43C

UPRIGHT FRAME CAPACITY TABLES are no longer published.
See the statement below.

• Due to the system-based design approach of the current RMI Specification, the use of static load capacities are no longer appropriate. Load ratings can only be provided through a system analysis which accounts for configuration of the system, static loading, seismic parameters, stability requirements and the interaction characteristics of the various system components. If your system was provided to you by Ridg-U-Rak, please contact your regional sales manager for the appropriate capacity rating. If you purchased a Ridg-U-Rak system from a source other than Ridg-U-Rak, it is recommended that you work with an experienced rack design engineer to obtain the appropriate capacity rating.

Beam Capacities

Beam Profile	Beam Lengths										
	48"	60"	72"	84"	92"	96"	102"	108"	120"	144"	156"
250 S	5,700	4,530	3,130	2,300	1,910	1,750	1,550	1,380	1,120	770	660
300 S	7,500	5,980	4,820	3,530	2,940	2,690	2,380	2,120	1,720	1,190	1,010
355 S	9,760*	7,770	6,460	5,330	4,440	4,070	3,600	3,210	2,590	1,790	1,520
410 L	10,810*	8,620	7,150	6,110	5,570	5,200	4,600	4,100	3,310	2,290	1,940
410 S	12,270*	9,780*	8,120	6,930	6,320	5,830	5,160	4,600	3,710	2,570	2,180
465 S	15,020*	11,970*	9,940*	8,490	7,740	7,410	6,960	6,320	5,110	3,530	3,000
500 S	16,890*	13,460*	11,170*	9,540*	8,700	8,330	7,830	7,380	6,140	4,250	3,610
550 S	19,720*	15,710*	13,050*	11,150*	10,160*	9,720*	9,140*	8,620	7,740	5,420	4,610
600 S	22,500*	18,120*	15,050*	12,850*	11,710*	11,210*	10,540*	9,940*	8,920	6,790	5,770
650 S	22,500*	20,670*	17,160*	14,660*	13,360*	12,790*	12,020*	11,340*	10,180*	8,360	7,110
650 R	22,500*	22,500*	19,480*	16,640*	15,160*	14,520*	13,640*	12,870*	11,550*	9,370*	7,970

- Capacities marked with * indicate that the column connection capacity may be limited based on the hook option and/or frame model (see table on page 2).
- Capacities listed are for non-seismic conditions. For seismic conditions consult with Ridg-U-Rak sales or engineering.
- Capacities are based on uniformly distributed loads per pair of beams.
- Capacities listed are for a 2-pallet wide condition.
- All beams over 114" in length should utilize at least one flanged, tek-screwed or lock-in cross bar located at mid length.



RIDG-U-RAK®

STORAGE SYSTEMS

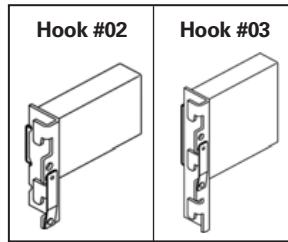
Slotted

PALLET RACK

REV 3 - November 30, 2023

In no case should any load per level exceed the following limitations

Upright Frame Model	Maximum Beam Capacities (per pair)	
	2-Lug Hook #02	3-Lug Hook #03
UF-S	9,000 lbs	13,500 lbs
UF-R	10,000 lbs	15,000 lbs
UF-M	12,000 lbs	18,000 lbs
UF-Y	13,000 lbs	19,500 lbs
UF-H	15,000 lbs	22,500 lbs
Hook # 02 is standard for beams 2.50", 3.00", 3.55", 4.10", 5.00", 5.50", 6.00" tall		
Hook # 03 is standard for beams 6.50" tall		



New RMI Frame Capacity Guidelines

Understanding Frame Capacity Tables & The RMI Specification (ANSI MH16.1-2021)

The **RMI specification criteria** for selective rack structures has changed how frames are designed. The use of traditional frame capacity tables are no longer valid.

The capacity of frames are dependent on a variety of factors.

Here are some points that may help better understand the factors that influence frame capacity.

- The beam-to-column connections used are very important
- The ratio of average to maximum loads is very important
- Column Base Plates
- Anchors used
- Number of Storage Levels
- Beam Level spacing
- Beam Sizes
- Column Profile and its section properties
- Seismic design criteria for geographic location
- Height-to-depth ratio of the frame
- System Importance Factor – based on the environment of storage (Retail or Industrial)

Hence, the use of traditional frame tables are no longer valid, and they should only be used as a “starting point”.

Existing frame systems designed to older specifications are “grandfathered” and do not need to be recalculated to the current specification requirements, unless the rack is reconfigured or relocated. In those cases, however, the use of average-to-maximum load ratios and stronger beam connections (particularly in lower beam levels of the system) can many times help to achieve the desired load ratings of existing frames. An experienced rack engineer, familiar with the current RMI design criteria, can assist in determining what changes are needed to achieve the desired load ratings for a rack system designed to older specifications.



CERTIFIED
INSTALLATION

CERTIFIED
MANUFACTURER

CERTIFIED
SYSTEM

RMI R-Mark Certifications

RIDG-U-RAK has been awarded R-Mark Manufacturer, Systems and Installation certifications. RMI, the Rack Manufacturer's Institute, updated its requirements adding critical design and manufacture responsibilities.

RIDG-U-RAK is a founding and executive level member of the RMI, Rack Manufacturer's Institute.