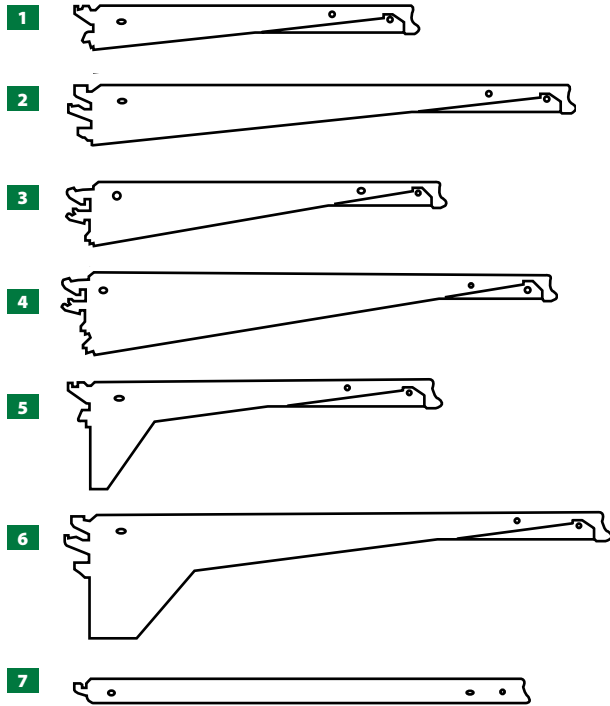


Shelf Loading



Nominal Shelf Depths, All Types
8", 10", 12", 14", 16", 18", 20", 22", 24", 26", 28", 30"

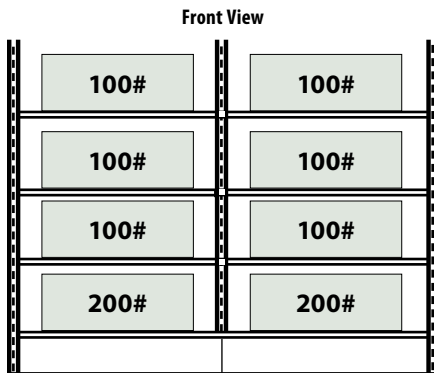
Shelf Type	Shelf Depth	Maximum Load Capacity in Pounds*			
		Evenly Loaded	Front Loaded	15° Degree	30° Degree
SUS-(NW)(ND)	1 (6" - 8")	300#	300#	125#	100#
	2 (10" - 18")	500#	350#	125#	100#
STP-(NW)(ND)	3 (20" - 24")	500#	350#	250#	100#
	4 (26" - 30")	400#	250#	200#	100#
	5 (6" - 8")	300#	300#	250#	100#
HUS-(NW)(ND)	6 (10" - 18")	500#	350#	250#	100#
	7 (20" - 24")	500#	350#	250#	100#
SBS-(NW)(ND)	5 (26" - 30")	400#	250#	200#	100#
	6 (14" - 18")	600#	N/A	N/A	N/A
SBS-(NW)(ND)	7 (20" - 30")	600#	N/A	N/A	N/A
	7 (12" - 30")	600#	N/A	N/A	N/A

*Based on evenly distributed static loading
•STP type shelves are "straight-in," horizontal insertion into upright slotting

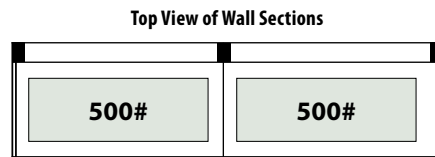
Shelf Loading

Column Loading

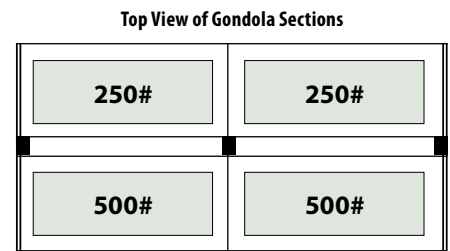
Column loading is the vertical load, measured in pounds, that can be applied on any upright. Each upright bears one-half of the load of each shelf that it supports.



500 lbs plus 500 lbs = 1000 lbs
1000 lbs divided by 2 = 500 lbs
Column Load on Center Upright



500 lbs plus 500 lbs = 1000 lbs
1000 lbs divided by 2 = 500 lb
Column Load on Center Upright



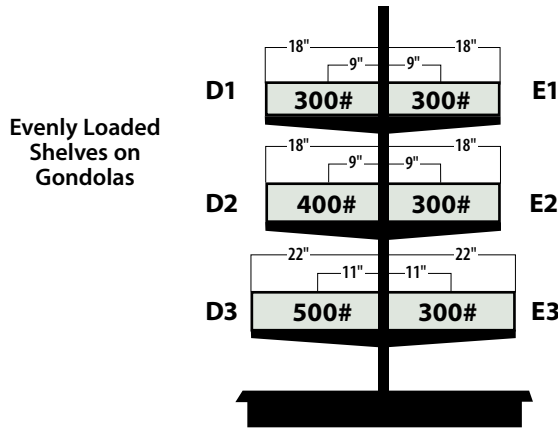
750 lbs plus 750 lbs = 1500 lbs
1500 lbs divided by 2 = 750 lbs
Column Load on Center Upright

NOTE!

Maximum Column Load Capacity is 4500 lbs. **DO NOT EXCEED!**

Offset Loading

Offset loading is measured in inch-pounds and represents the bending load at the connection of the base shoe and the upright. To determine if you exceed the load limit of the fixture, take the difference between the larger inch-pound calculations on one side of the fixture and the inch-pound calculations on the other. This difference cannot exceed 15,000 inch-pounds. For wall sections, the calculation for the one side cannot exceed 15,000 inch-pounds.

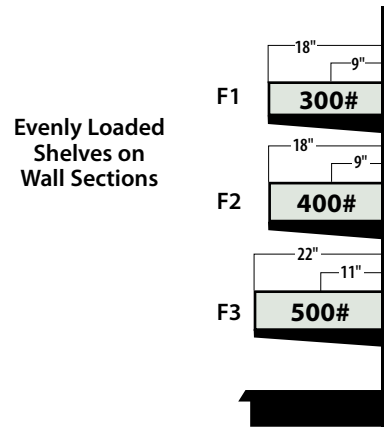


Evenly Loaded Shelves on Gondolas

Divide each shelf depth by 2. Multiply times the weight on shelf to determine individual shelf inch-pound load.

- | | |
|--|--|
| D1 18"/2" = 9" x 300 lbs or 2700 inch-pounds | E1 18"/2" = 9" x 300 lbs or 2700 inch-pounds |
| D2 18"/2" = 9" x 400 lbs or 3600 inch-pounds | E2 18"/2" = 9" x 300 lbs or 2700 inch-pounds |
| D3 22"/2" = 11" x 500 lbs or 5500 inch-pounds | E3 22"/2" = 11" x 300 lbs or 3300 inch-pounds |
| Side D Total = 11800 inch-pounds | Side E Total = 8700 inch-pounds |

Subtract E from D :	800 inch-pounds	SAFE!
	8700 inch-pounds	3100 inch-pounds does not exceed the
	3100 inch-pounds	15000 inch-pound maximum



Evenly Loaded Shelves on Wall Sections

Divide each shelf depth by 2. Multiply times the weight on shelf to determine individual shelf inch-pounds load.

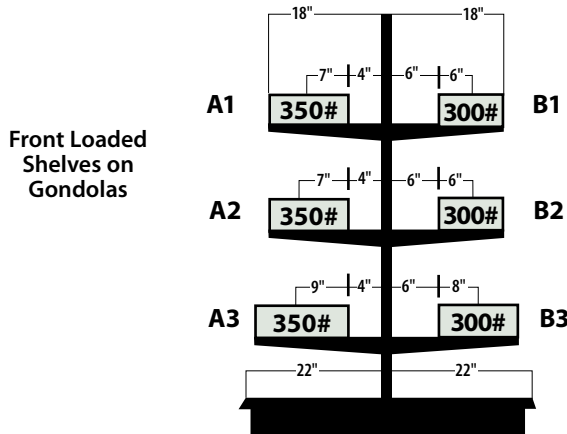
- | |
|--|
| F1 18"/2" = 9" x 300 lbs or 2700 inch-pounds |
| F2 18"/2" = 9" x 400 lbs or 3600 inch-pounds |
| F3 22"/2" = 11" x 500 lbs or 5500 inch-pounds |
| Side F Total = 11800 inch-pounds |

SAFE!
11800 inch-pounds does not exceed the
15000 inch-pound maximum

Shelf Loading

Front Loaded Shelves

Important: Front loaded shelves are the most common to exceed fixture loading capacities. Compare the increases in inch-pounds of front loaded shelves over evenly loaded shelves, particularly on wall sections!

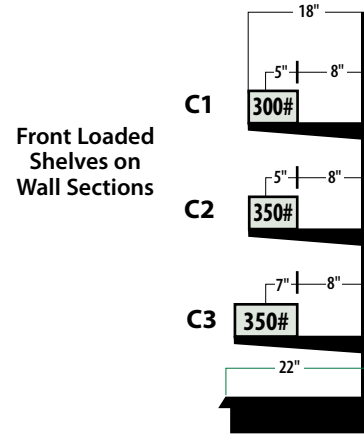


Front Loaded Shelves on Gondolas

A front loaded shelf is one that has a void between the back panel and the merchandise. Take one half the loaded area dimension plus the gap dimension at back and multiply times weight on shelf to determine individual inch-pound load.

- | | |
|---|---|
| A1 7" + 4" = 11" x 350 lbs or 3850 inch-pounds | B1 6" + 6" = 12" x 300 lbs or 3600 inch-pounds |
| A2 7" + 4" = 11" x 350 lbs or 3850 inch-pounds | B2 6" + 6" = 12" x 300 lbs or 3600 inch-pounds |
| A3 9" + 4" = 13" x 350 lbs or 4550 inch-pounds | E3 8" + 6" = 14" x 300 lbs or 4200 inch-pounds |
| Side A Total = 12250 inch-pounds | Side B Total = 11400 inch-pounds |

Subtract B from A :	12250 inch-pounds	SAFE!
	-11400 inch-pounds	850 inch-pounds does not exceed
	850 inch-pounds	the 15000 inch-pound maximum



Front Loaded Shelves on Wall Sections

A front loaded shelf is one that has a void between the back panel and the merchandise. Take one half the loaded area dimension plus the gap dimension at back and multiply times weight on shelf to determine individual inch-pound load.

- | |
|---|
| C1 5" + 8" = 13" x 300 lbs or 3900 inch-pounds |
| C2 5" + 8" = 13" x 350 lbs or 4550 inch-pounds |
| C3 7" + 8" = 15" x 350 lbs or 5250 inch-pounds |
| Side C Total = 13700 inch-pounds |

SAFE!
13700 inch-pounds does not exceed
the 15000 inch-pound maximum