

Dockboards & Dockplates

How to select the correct board or plate for your application



Dockboards vs. Dockplates



DOCKBOARDS

- Provide higher capacities
- Have curbs
- Lift loops or chains are used as a lifting device
- Primarily used for fork trucks
- · Made of steel or aluminum



DOCKPLATES

- Have lower capacities
- Do not have curbs
- Typically used for pallet jacks, dollies or carts
- Nylon Straps or chains are used as a lifting device
- Made of steel or aluminum



To select the proper product find out what equipment is being used













Once the equipment is determine the capacity can calculated

Weight + Load x.9 = Capacity

Example:



Forklift weighs

Max Load

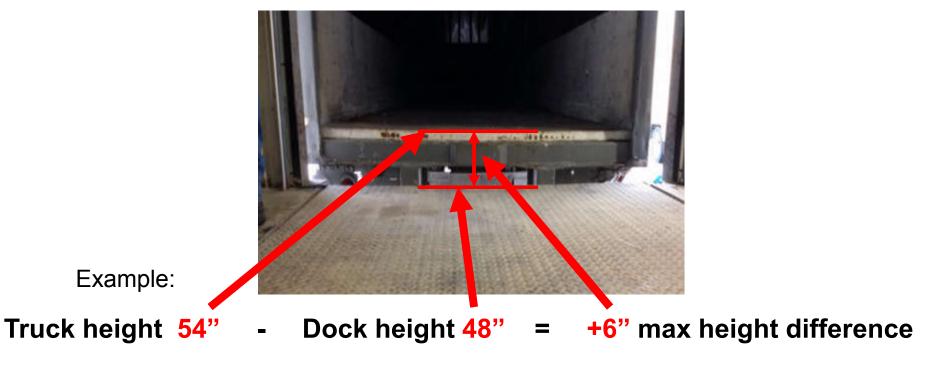
11,000 lbs. + 4,000 lbs. X .9

Required Dockboard Capacity = 13,500 lbs.



Length:

Is determined by the maximum amount of height difference between the dock height and the floor height of the trailer(s) being serviced.



+6" is the max height difference



TABLE FOR DETERMING DOCKBOARD LENGTH

FORK LIFT TRUCKS: 11°BEND GRADE (19%)

MAX HEIGHT DIFFERENCE (INCHES)	4	5	6	7.5	8.5	9.5	10.5	12	13	14	15	16
BOARD LENGTH (INCHES)	30	36	42	48	54	60	66	72	78	84	90	96

Lengths shown include 11" lip. If refrigerator trucks are used, must specify a 14" lip.

WALKIE TRUCKS / PALLET JACK: 8% BEND GRADE (14%)

MAX HEIGHT DIFFERENCE (INCHES)	3	33/4	41/2	5½	6	7	8	83/4	91/2	10½	111/4	12
BOARD LENGTH (INCHES)	30	36	42	48	54	60	66	72	78	84	90	96

Example: 6" max height difference = a **42**" **long board** for fork

trucks would fit the application (max grade of 19%).



If truck bed height is LOWER than dock height?

THERE ARE TWO OPTIONS:

OPTION 1: The dockboard* or dockplate must be used in reverse. (meaning the board/plate will be in the truck and the lip is on the dock)

-OR-

OPTION 2: Raise the truck bed with wheel risers



*If dockboard is used in reverse, chains must be added instead of lift loops



Average Floor Heights of Empty Semi-Trailers and Trucks

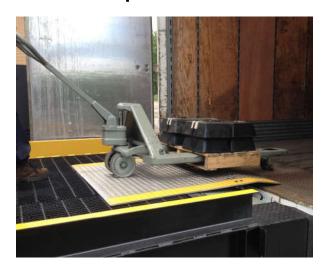
Over-the-Road (regular)	48" - 54"
Over-the-Road (heavy duty)	51" - 56"
Refrigerated	50" - 56"
Flat Bed	58" - 60"
City Delivery	42" - 50"
Container on Chassis	52" - 58"
Container on Moving van	32" - 42"



Width:

Copperloy recommends a minimum of 60" wide dockboards for lift trucks and 54" wide dockboards for pallet truck use.





*** **Remember**: Safety curbs take up to 6" to 8" of usable space depending on the board.



Comparison of boards and plates

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Steel Dockboard with welded curbs (STR)	X		X		X	X					X	X
Aluminum Dockboard with bolt on Steel curbs (ABC)		X	X			X				X		X
Steel Dockplates (SR)	X						Χ		X			X
Aluminum Dockboard with welded aluminum curbs (ATR)		X		X		X				X		X
Aluminum dockplates (LP, TLP)		X						X	X			X





Any questions please call 800-321-4968

