



## Determining Dockboard Capacity and Length

### Capacity:

Weight of fork lift + heaviest load x 90% = Required Capacity

Example:

Fork Lift Weight: 8,000 lbs.  
 Heaviest Load: 4,000 lbs.  
 Gross Weight: 12,000 lbs.  
                           X .90  
 Dockboard Capacity: 10,800 lbs.

### Length:

Length of dockboards and dockplates is determined by the maximum amount of height difference between the loading dock floor and the bed of the trailer(s) being serviced.

#### TABLE FOR DETERMINING DOCKBOARD LENGTH

**Fork Lift Trucks: 11° Grade (19%)**

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

**Walkie Trucks / Pallet Jack: 8° Grade (14%)**

MAX HT. DIFF (INCH)	3	3 3/4	4 1/2	5 1/2	6	7	8	8 3/4	9 1/2	10 1/2	11 1/4	12
BOARD LENGTH (INCH)	30	36	42	48	54	60	66	72	78	84	90	96

Example:

Dock Height (Level Approach) 46"  
 Highest Trailer 54"  
 Lowest Trailer 42"

**TRUCKS ABOVE DOCK**

Highest Trailer 54"  
 Dock Height 46"  
 Max Height Diff. + 8"

**TRUCKS BELOW DOCK**

Dock Height 46"  
 Lowest Trailer 42"  
 Max Height Diff. - 4"