

Scale Quote Questionnaire



Lift Truck Make: _____ Lift Truck Model: _____

Power Type (Check One): Electric Propane Non-Marking Tires? _____

Voltage: 12VDC 24VDC 36VDC 48VDC Other: _____

Maximum Lifting Height: _____ Fork Capacity: _____

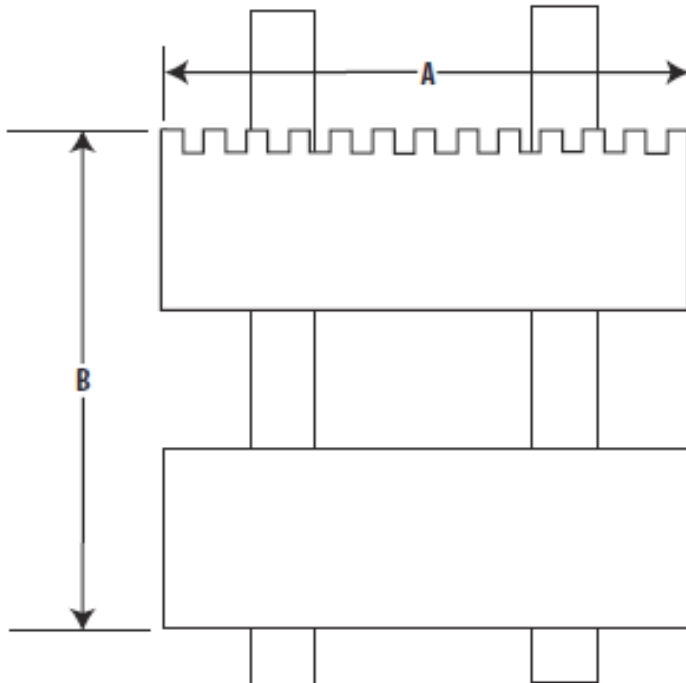
Side Shifter: Yes No Other Attachments: _____

NTEP: Yes No **If NTEP, aka "Legal for Trade", fork lengths must be 42"**

Distributor: _____ Phone: _____

Check all peripherals/add-ons that apply: Radio RS232 Scanner Printer

Other Add-Ons: _____ **If wireless scale base to indicator, backrest may need modifications**



Circle Below

A= 31"

36"

42"

B= 16"

20"

25"

RAVAS USA, INC

1500 Enterprise Parkway
Twinsburg, Ohio 44087

330.425.3092
salesoffice-usa@ravas.com
www.ravasusa.com

Loss of Lifting Capacity

Legacy Scale Class	K Lost Load Center	F Horizontal Center of Gravity	Vertical Center of Gravity	D Weight
Class II 16" x 36"	4 3/4"	2 3/8"	9"	350 lbs.
Class III 20" x 42"	5 1/4"	2 5/8"	11"	570 lbs.
Class III 20" x 48"	5 1/4"	2 5/8"	11"	670 lbs.
Class IV 25" x 48" 12,000 lb. Capacity	5 3/4"	2 7/8"	13 1/2"	950 lbs.
Class IV 25" x 48" 20,000 lb. Capacity	6 1/2"	3 1/4"	13 1/2"	1,150 lbs.

Important: Material handling distributor must calculate using the figures above. Per OSHA, the ID plate on the forklift must be updated with the new lifting capacity and center of gravity information.

Calculating Lifting Capacity

In order to calculate the derated lifting capacity of the lift truck after scale installation, you will need to make the following measurements. Note that factors K, D and F are found in the Loss of Lifting Capacity table above.

A = Basic Truck Capacity (lbs)	B = Inches from front wheel centerline to face of the fork
C = Inches from the face of the fork	D = Weight of the scale (lbs) to the truck rating point (typ 24")
E = Inches from the front wheel centerline to the face of the carriage	F = Inches from the face of the carriage to the scale horizontal center of gravity
G = J + K (Inches from the face of the carriage to the rear face of the load)	H = Inches from fork face to the new truck rating point
J = Thickness of forks	K = Thickness of the scale

Once the above factors have been determined, plug them into the formula below to determine the truck lifting capacity derated for the attachments installed.

$$\text{CAPACITY} = \frac{A(B+C) - D(E+F)}{E+G+H}$$

