

**SAVE SPACE, SAVE MONEY, SAVE A HEADACHE**

# **SUPERIOR**

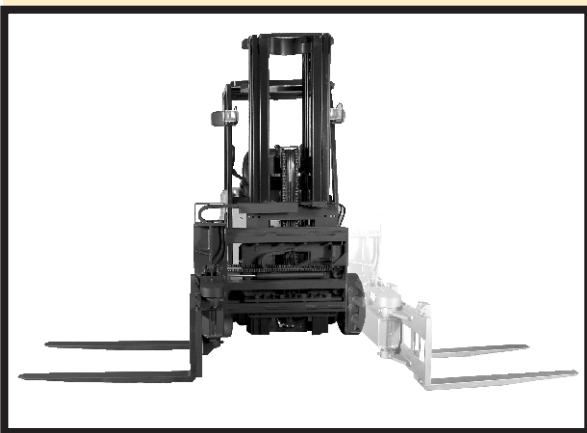
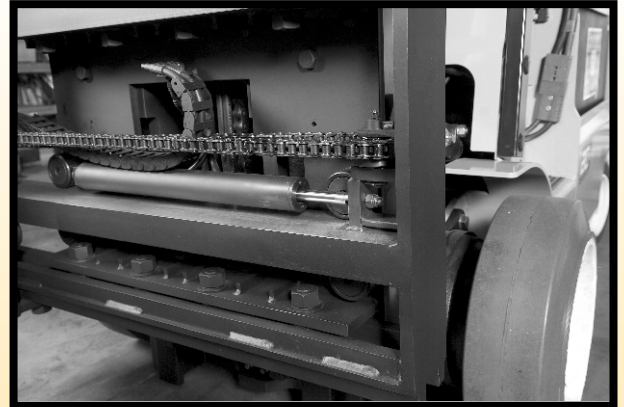
## **ENGINEERING**

### **BASIC TURRET TRUCK SPECIFICATIONS AND FEATURES**

**Use conventional lift trucks in an unconventional way**

#### **COMPOUND TRAVERSE AND SIDE-SHIFT**

This feature allows for a greater amount of lateral movement in the aisle, while maintaining a narrow body width of the turret truck front end. The compound traverse and side-shift feature also allows for the lateral movement to be performed using one hydraulic function instead of the standard two in many trucks.



#### **180° PIVOTING ACTION**

With 180° of fork pivot, the operator can easily work either side of the aisle, regardless of turret truck orientation. The operator can also swing the forks from one side to the other while positioned in the aisle to give ultimate flexibility to the operator and the turret truck. The forks also can be positioned to the front to give you a conventional lifting style, ultimately transforming the turret into a super side-shifter.



#### **MAINTENANCE FRIENDLY**

With all drive components being standard roller chain, sprockets, hydraulic hoses, fittings, bolts, motors, seal kits, cylinders and American made the turret is a simple and easy unit to maintain. The truck is a counterbalance lift truck that is a fleet standard and parts are immediately available for the units. No more waiting for weeks.

#### **PARTS AVAILABILITY**

With all drive components being standard roller chain, sprockets, hydraulic hoses, fittings, bolts, motors, seal kits, cylinders and American made the turret is a simple and easy unit to maintain. The truck is a counterbalance lift truck that is a fleet standard and parts are immediately available for the units. No more waiting for days or weeks or months for oddball truck parts to come in.



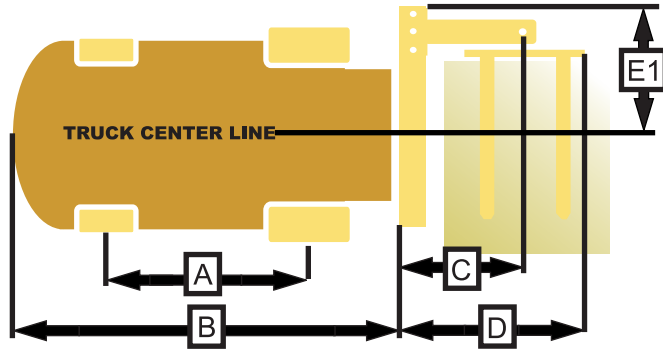
**SEE REVERSE SIDE FOR SPECIFICATIONS**

**[www.superioreng.com](http://www.superioreng.com)**

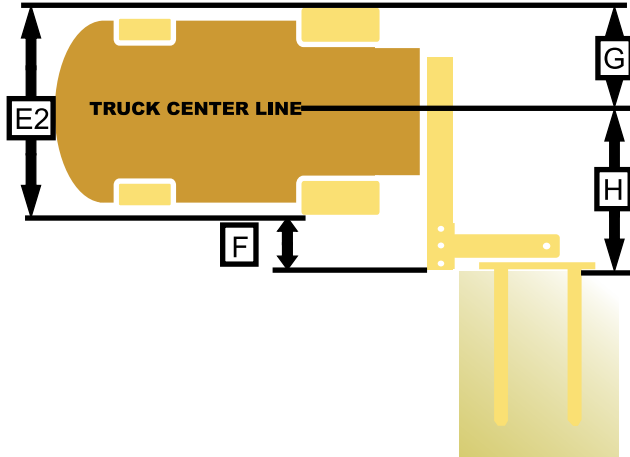


**P: 864-226-8799**  
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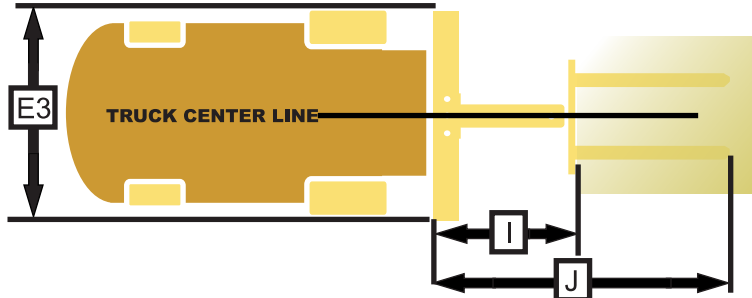
### NESTED IN CARRYING POSITION



### FULL SIDE SHIFTED STORAGE & RETREIVING POSITION



### FORWARD POSITION



Data is generic. Certain applications can change specification.

A	AXLE CENTER LINE	See Specific Truck Data*
B	TRUCK HEAD LENGTH	See Specific Truck Data*
C	LOAD CENTER FROM TRUCK HEAD	32.9"
D	TURRET LENGTH FROM TRUCK HEAD	48.9"
E1	CENTER LINE OF TRUCK TO OUTSIDE OF TURRET	30.9"
E2	OVERALL TRUCK WIDTH	48-52"
E3	OVERALL TURRET/TRUCK WIDTH	48-52"
F	DRIVE TIRE TO OUTSIDE OF TURRET	7.9-5.9"
G	CENTER LINE OF TRUCK TO OUTSIDE OF DRIVE TIRE	24-26"
H	CENTER LINE OF TRUCK TO FACE OF FORKS	31.9"
I	FACE OF FORKS FROM TRUCK HEAD	39.2"
J	TIP OF FORKS TO TRUCK HEAD	81.2"
	VOLTAGE	36/48 VOLTS AC

### TURRET HEAD ATTACHMENT GENERATION 5 DESIGN

Max Capacity for this turret is 3000# but the rated capacity of the Turret has a direct correlation to the truck size, load wheel out-to-out dimension, mast arrangement and ANSI/ASME B56 Tilt Table Test results.

Stringer/Load depth up to 48"  
Load width up to 48"  
Total Side Shift 52.5"  
180 degrees of fork pivot  
Works both sides of the aisle.

Turret Weight – 1,401 LBS.

#### Nested Position Specifications:

HCG: 6.67"  
VCG: 20.32"  
LCG: 10.41"  
LLC (ET): 8.875"

#### Side-Shifted and Side Extended Specifications:

HCG: 6.67"  
VCG: 20.32"  
LCG: 10.56"  
LLC (ET): 8.875"

Load offset Max either side – 33.00"  
Measured from the original truck carriage to the face of the Turret carriage.

#### Forward Extended Position Specification:

HCG: 6.75"  
VCG: 20.32"  
LCG: 0.00"  
LLC (ET): 37.25"

#### Recommended aisle widths are as follows:

For guided units, we recommend load depth plus 18"

For unguided units, we recommend load depth plus 24"

#### Estimated capacities:

(these are not indicative of all brands)  
-6000 pound forklift with a 3-stage mast  
3000# @ floor level (12")  
2500# up to 96" (8ft)  
1500-2000# up to 192" (16ft)  
900-1500# up to 240"

-8000 pound forklift with a 3-stage mast  
3300# @ floor level (12")  
3300# up to 96" (8ft)  
3300# up to 192" (16ft)  
2500# up to 240"  
4-stage mast are evaluated per application

\*Additional truck specifications can be obtained from the specification sheet of the forklift to be used to mount the turret.

\*Additional turret head specifications can be obtained from Superior Engineering Inc.<sup>1</sup>



Final Capacities as based on the ANSI/ASME B56.1 Tilt Table test results that are performed on each truck with the turret master attachment installed.