



A-755-15



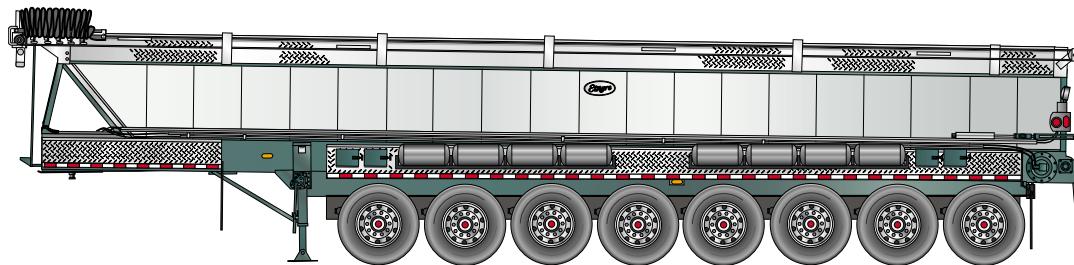
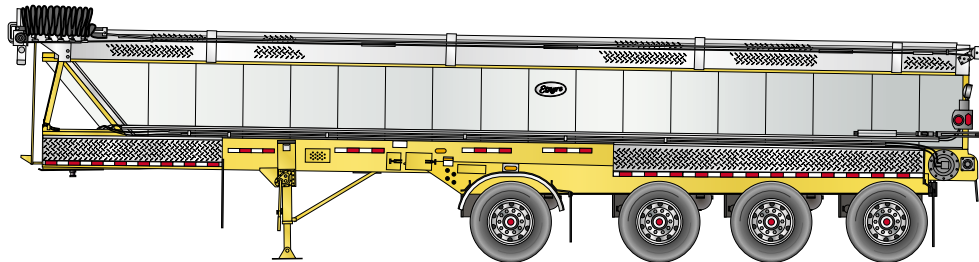
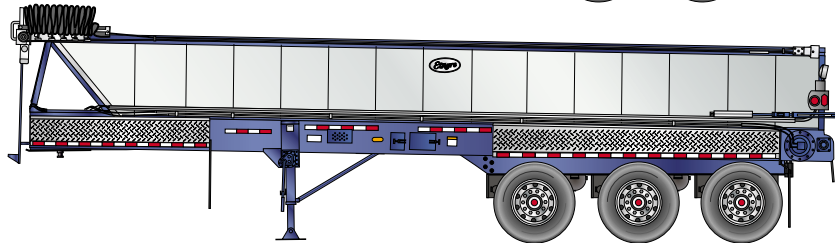
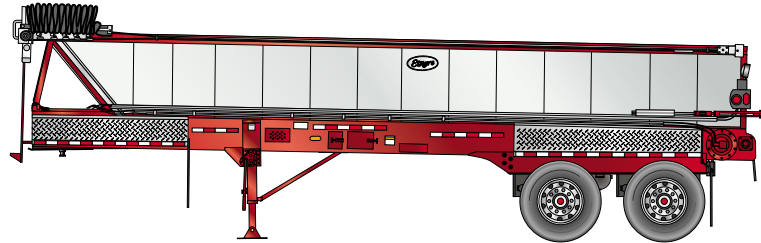
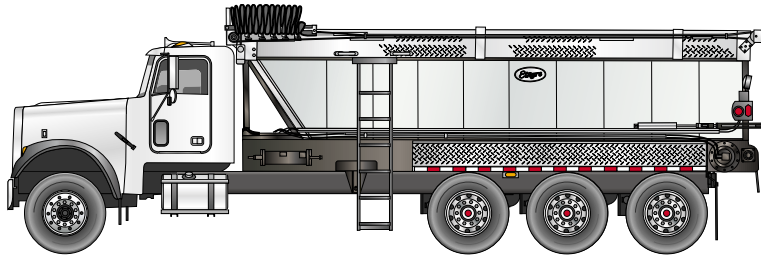
## Live Bottom Trailers and Truck Bodies



This book illustrates both optional  
and standard equipment available  
on Falcon Trailers.







## Truck Mounted

Model	Capacity	OAL	w/1' Bin Ext
TMLB-17	11.0 CY	17'	15.4
TMLB-18	11.8 CY	18'	16.4
TMLB-19	12.5 CY	19'	17.4
TMLB-20	13.2 CY	20'	18.4
TMLB-21	13.9 CY	21'	19.4
TMLB-22	14.7 CY	22'	20.4
TMLB-23	15.4 CY	23'	21.3
TMLB-24	16.1 CY	24'	22.3
TMLB-25	16.8 CY	25'	23.3

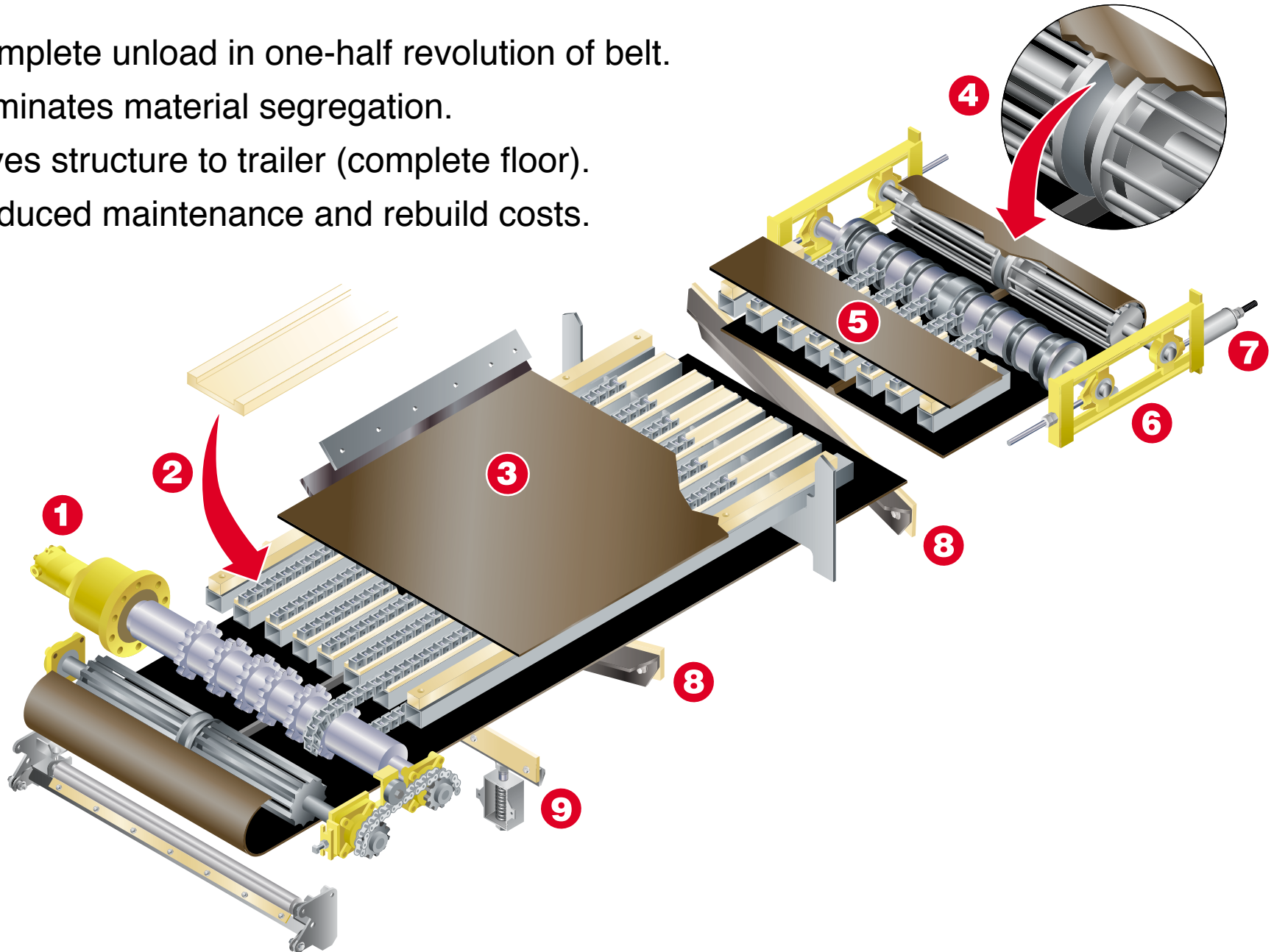
## Trailer Mounted

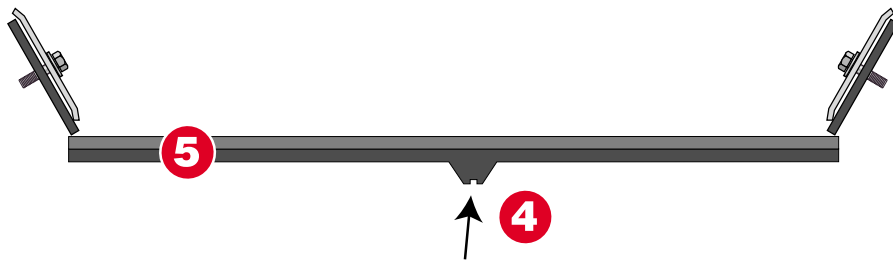
Model	Capacity	OAL	w/1' Bin Ext
LB-231	22.1 CY	31'	30.6
LB-232	22.9 CY	32'	31.7
LB-233	23.7 CY	33'	32.8
LB-234	24.5 CY	34'	33.8
LB-235	25.2 CY	35'	34.9
LB-236	26.0 CY	36'	36.0
LB-237	26.8 CY	37'	37.1
LB-238	27.6 CY	38'	38.2
LB-239	28.4 CY	39'	39.2
LB-240	29.2 CY	40'	40.3
LB-241	30.0 CY	41'	41.4
LB-248	35.5 CY	48'	48.9

\*Capacities based on water level

# Exclusive Belt Drive System

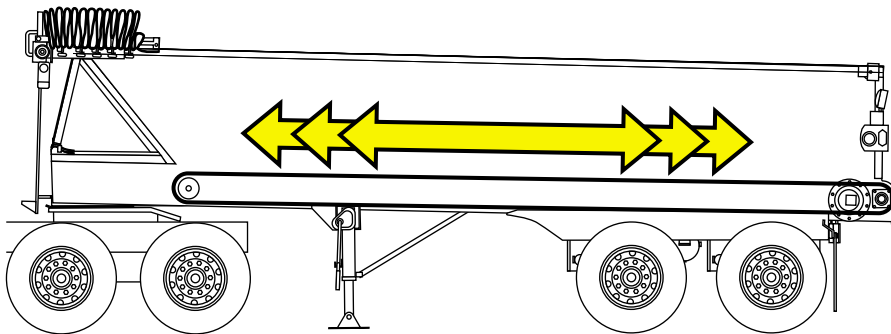
- Complete unload in one-half revolution of belt.
- Eliminates material segregation.
- Gives structure to trailer (complete floor).
- Reduced maintenance and rebuild costs.



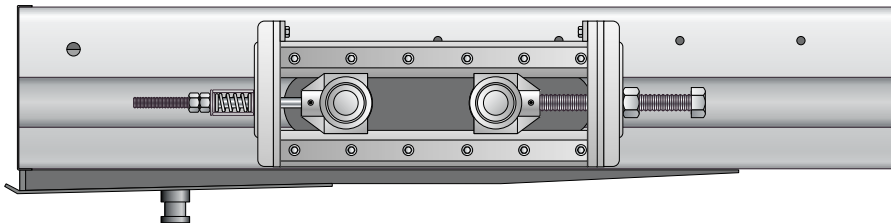


V bottom self centers belt.

## Reversing Belt (Optional Equipment)



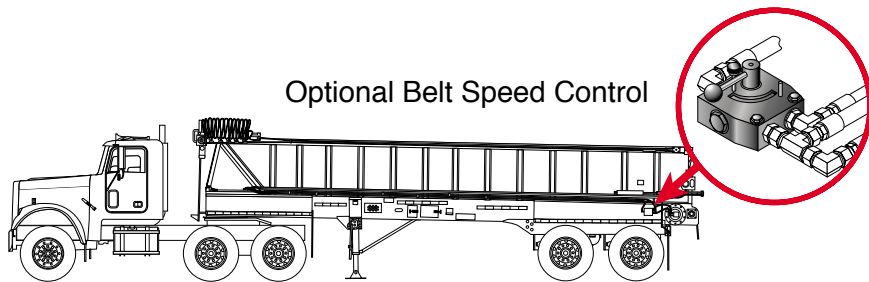
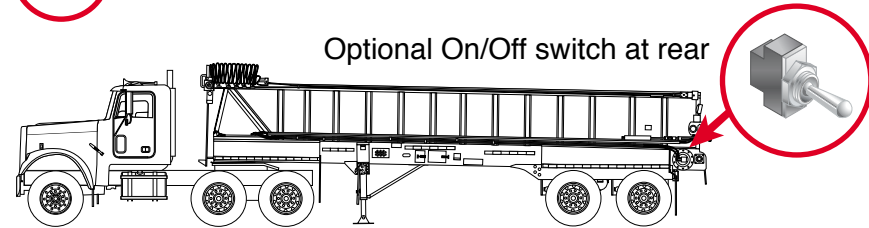
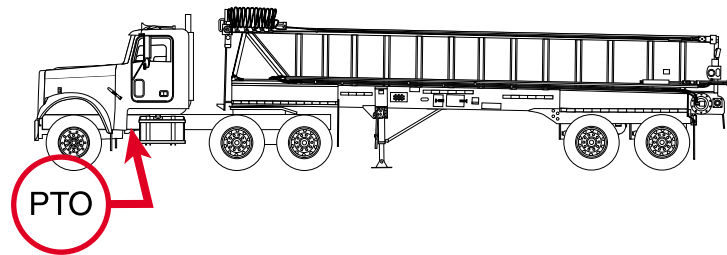
- Special heavy duty belt take up system allows the belt to be operated in reverse (optional equipment).



1. Direct hydraulic drive.
2. Chain guides made of ultra high polyethylene. Eliminates the need for lubrication.
3. Composite belt, chemical and heat resistant.
4. Positive, full length belt centering.
5. Laminated belt extends belt life. Nitrile surface is chemical and heat resistant.
6. Separate tension adjustments for the belt and the chains.
7. Belt tension gauge.
8. Belt scraper.
9. Rear Spring Loaded Belt scraper.



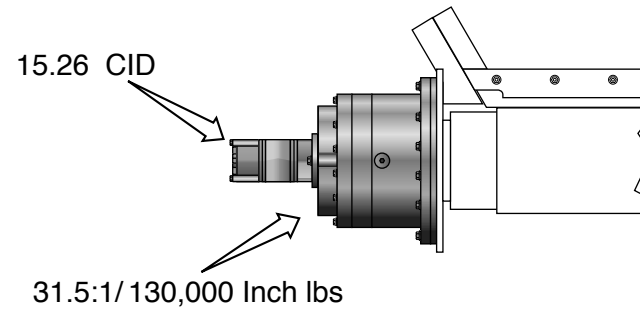
## Belt Drive



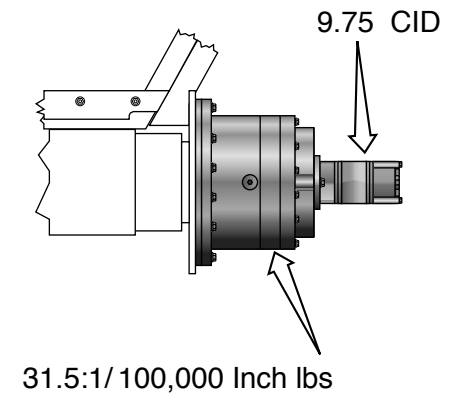
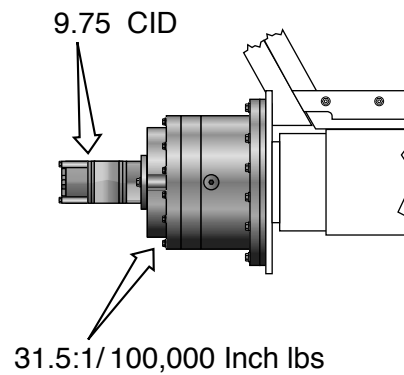
Controlled Discharge



### Standard Belt Drive



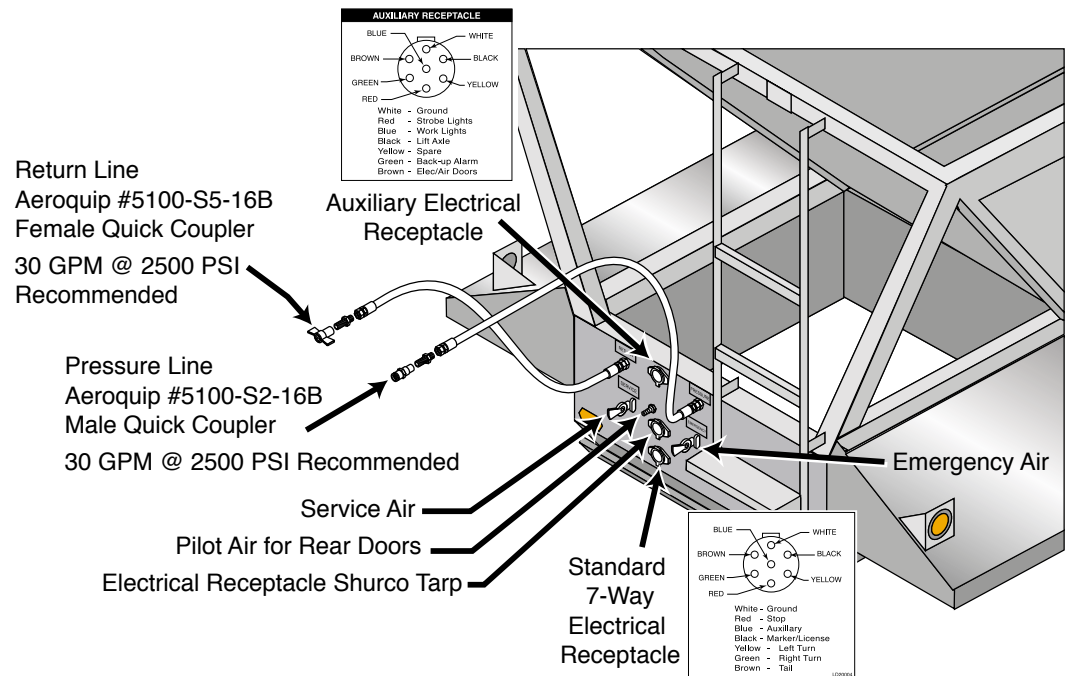
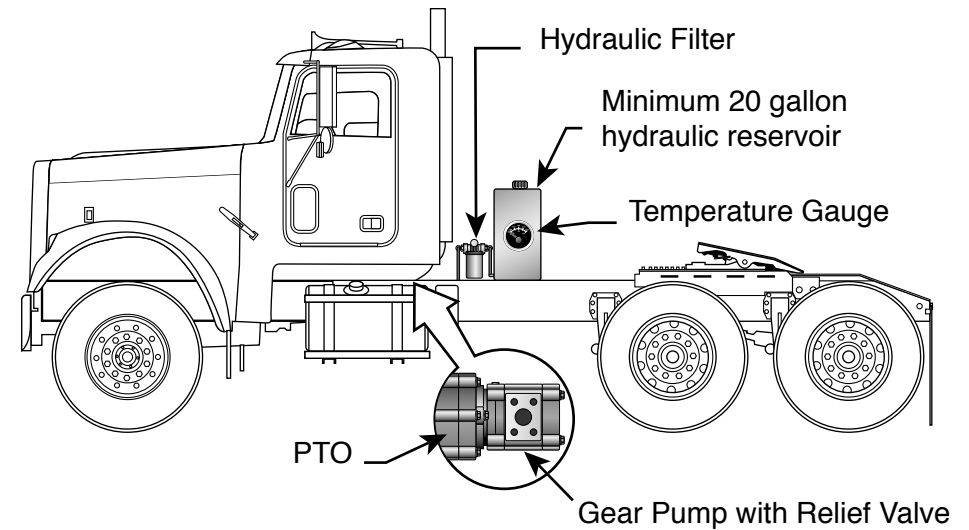
### Dual Belt Drive





# Falcon Belt Trailer Tractor - Pump Requirements

- Recommended general specifications 20 GPM;  
2,500 PSI relief.
- PTO's coupled with engine RPM effect the pump output.  
(Engine @ 1,400 RPM > 120% PTO = 1,700 RPM @ pump) ~ 20 GPM
- **Too much hydraulic flow can result in excess oil pushing over relief, creating heat and eventually pump failure.**  
**Too little flow and/or low operating pressure will effect belt performance/speed.**
- Good Example:
  - Permco P197 Pump
  - 20 GPM @ 1,700 RPM



## Rear Doors



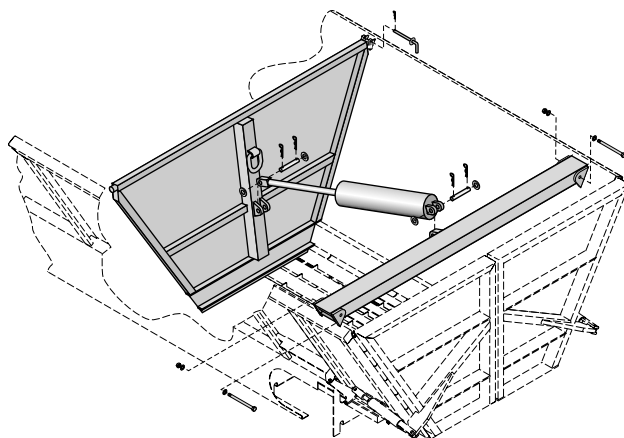
### Barn

- Good for pavers.
- Ideal for windrowing.
- Funnels material.
- Creates a chute.



### High Lift Bi-fold

- Operates as a bi-fold or single door.
- Good for metering material.



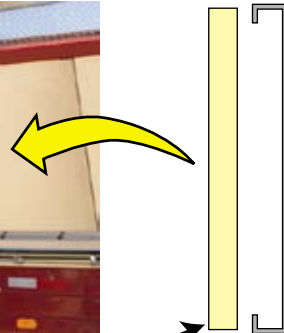
### Concrete Door

- Necessary for low slump concrete.
- Seals material.
- Improves weight distribution.
- Pin in quick installation.



## Insulation

**Smooth Side** (standard)



**Optional**



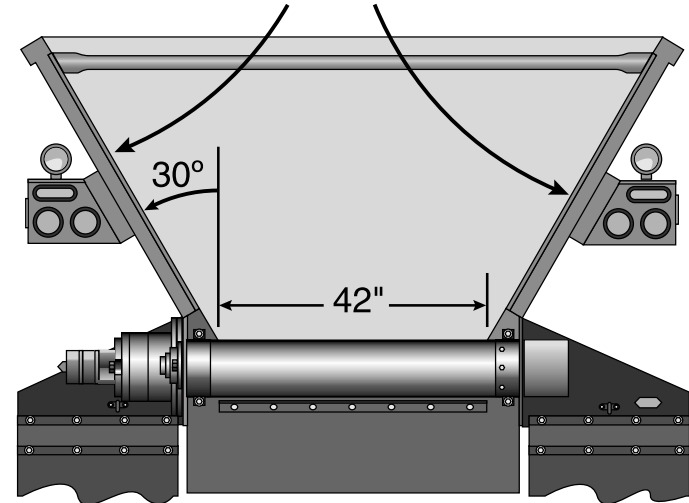
Thermax  
insulation

**Bin Extension** (optional)

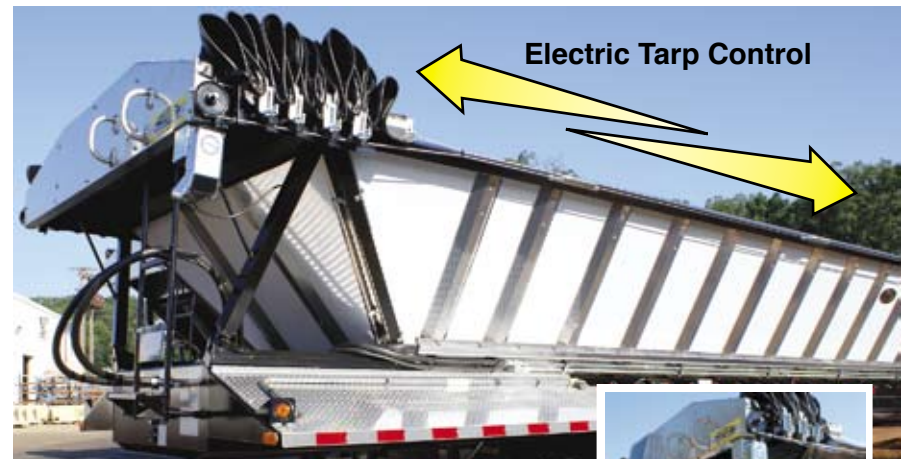


## Bin Walls

AR200 Abrasion Resistant Bin Walls



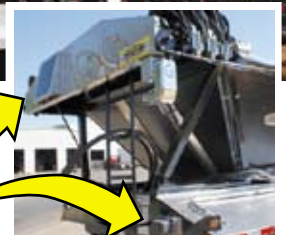
## Tarp System



Electric Tarp Control

Optional Solar Panel

Tarp Control, Solar Panel



**Side Mounted Ladder**



**Front Mounted Ladder**





## Rear Underride Exemption

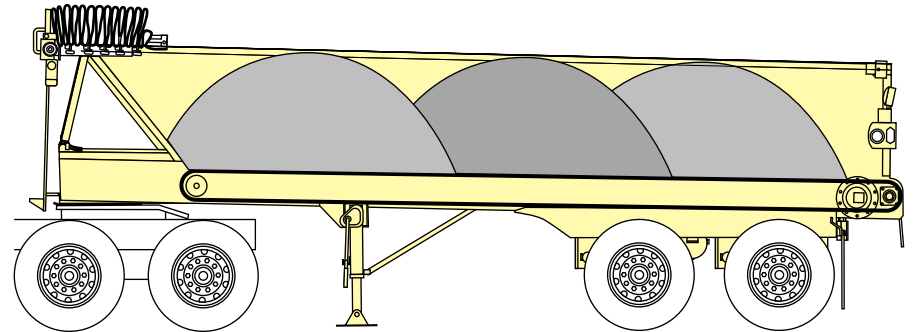
- Federal law exempts belt trailers from underride protection on trailers that are used primarily in asphalt paving.



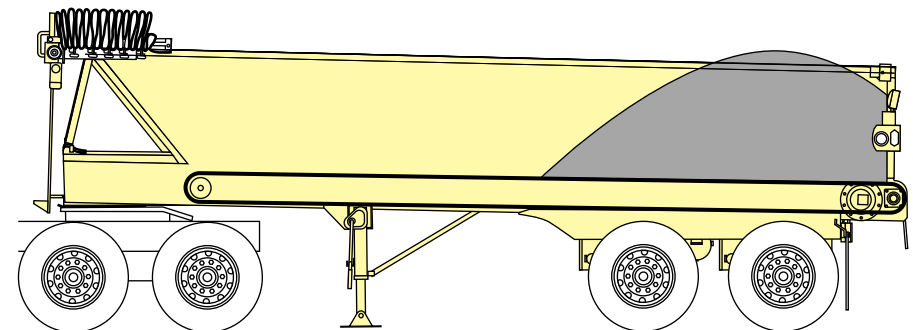
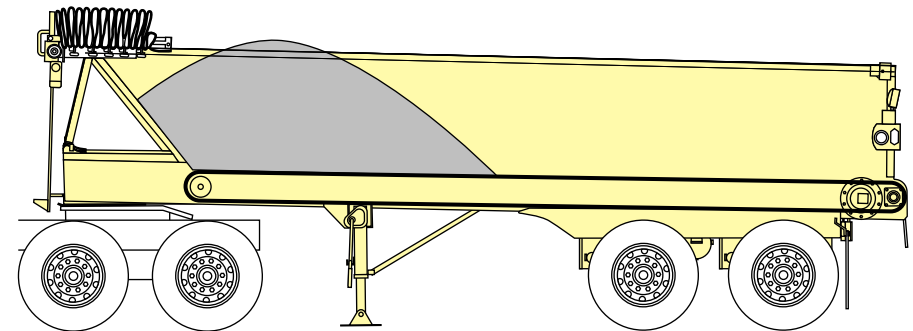
## F.E.T. Exemption

- Most belt trailers are exempt from Federal excise tax if used for asphalt.
- Truck mounted belt bodies are subject to F.E.T.

## Proper Loading



## Improper Loading

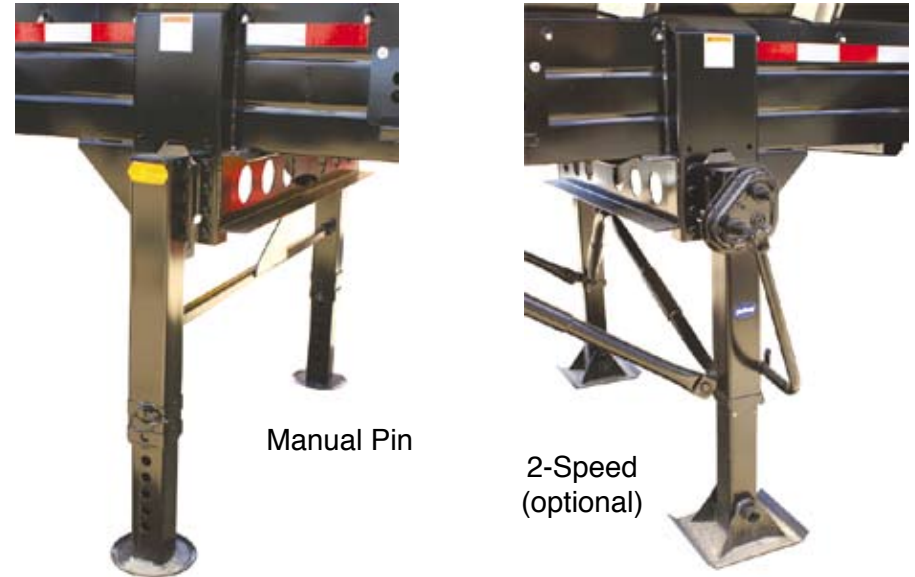




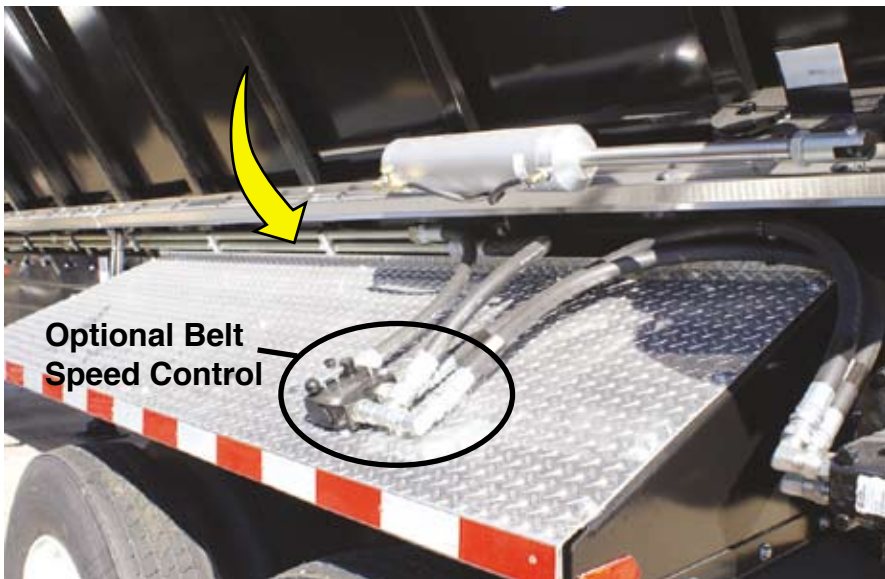
## Lights



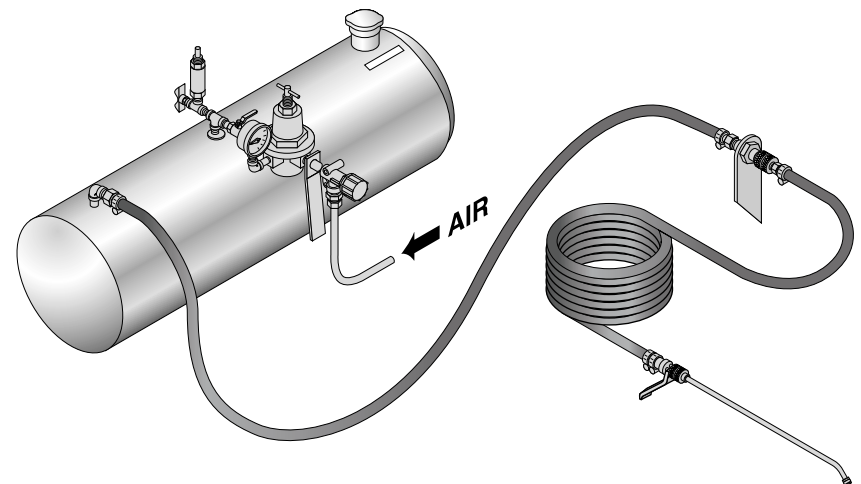
## Landing Legs



## Solid Pipe Hydraulic Lines



## Release Agent Fuel Tank and Washdown



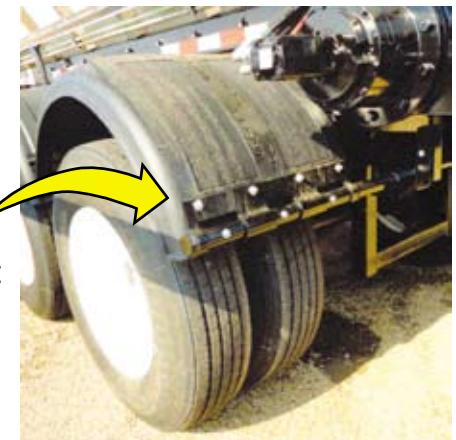
## Fenders



## Suspensions:

- Spring
- Air Ride
- Steel - Aluminium Disc
- Duals - Super Singles
- Lift Axles
- Lift - Steerable Axles
- Canadian SPIF Compliant

Mudflap mount on fender for pavers. Flap folds up and out of the way (optional).







**Side Discharge**



**Controlled Discharge**



**Surface Treatment / Chip Spreading**



**Paving**



**Road Widener**



**Slurry**

• Slurry Tanks - Water and Emulsion

























# Falcon

Live Bottom Trailers  
and Truck Bodies



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