



A-755-22



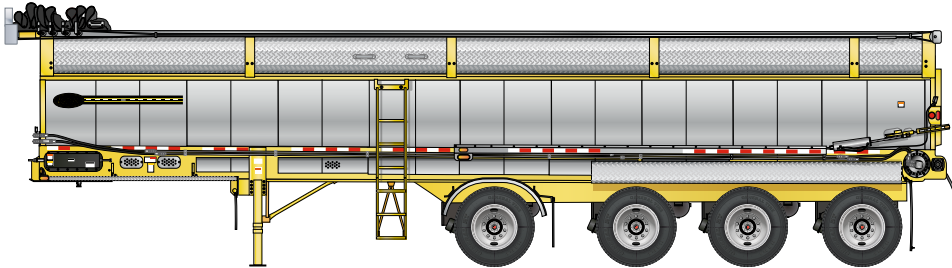
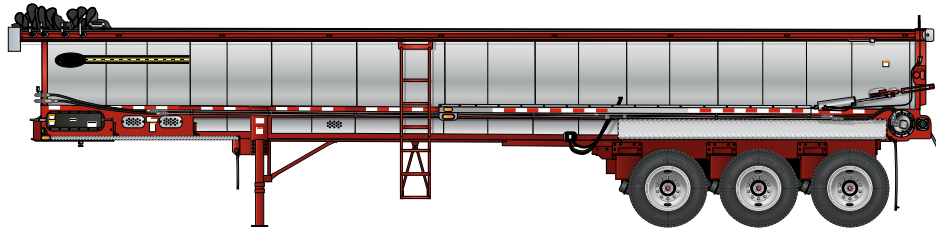
# Etnyre *Falcon* Livebottom Trailers

Our most rugged and durable product trailer



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





## Truck Mounted

Model	OAL	Capacity w/1' Bin Ext	CA to Center Rear Axle
TMLB-17	17'	15.5	166"
TMLB-18	18'	16.5	178"
TMLB-19	19'	17.5	190"
TMLB-20	20'	18.5	202"
TMLB-21	21'	19.5	214"
TMLB-22	22'	20.5	226"
TMLB-23	23'	21.5	238"
TMLB-24	24'	22.5	250"
TMLB-25	25'	23.5	262"

## Trailer Mounted

Model	Capacity	OAL	Capacity w/1' Bin Ext	Weight w/o Bin Ext
LBW-231	22.5 CY	31'	31.0	13,101
LBW-232	23.5 CY	32'	32.0	13,324
LBW-233	24.0 CY	33'	33.0	13,547
LBW-234	25.0 CY	34'	34.0	13,770
LBW-235	25.5 CY	35'	35.0	13,992
LBW-236	26.5 CY	36'	37.0	14,215
LBW-237	27.5 CY	37'	38.5	14,438
LBW-238	28.0 CY	38'	39.5	14,661
LBW-239	29.0 CY	39'	41.0	14,883
LBW-240	30.0 CY	40'	42.0	15,106
LBW-241	30.5 CY	41'	43.5	15,329
LBW-248	35.5 CY	48'	45.0	17,023

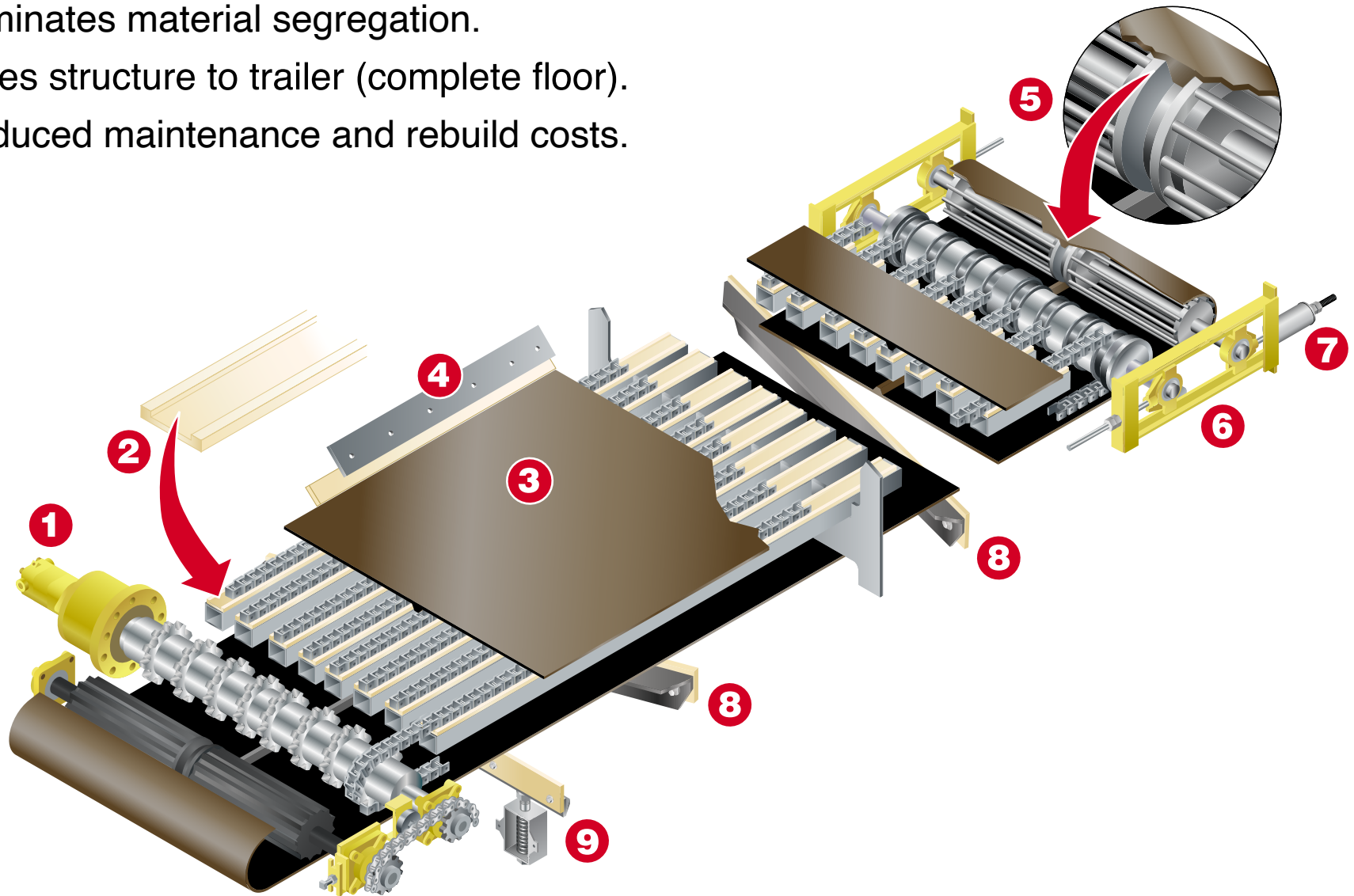
\*Capacities based on water level

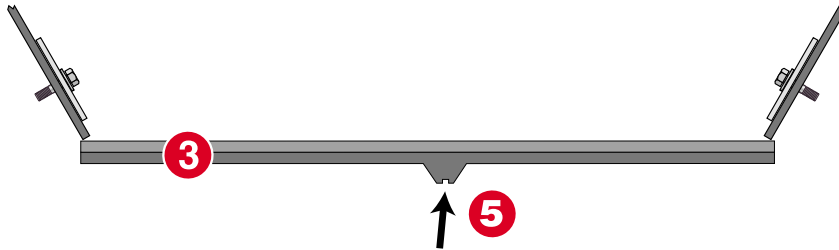
Weight approximately 223 per 1' length

Asphalt weight/cubic yard 4,000 lbs.

# Exclusive Belt Drive System

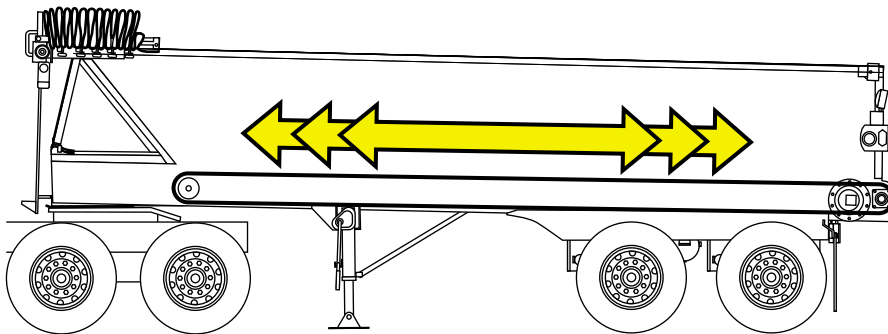
- Complete unload in one-half revolution of belt.
- Eliminates material segregation.
- Gives structure to trailer (complete floor).
- Reduced maintenance and rebuild costs.



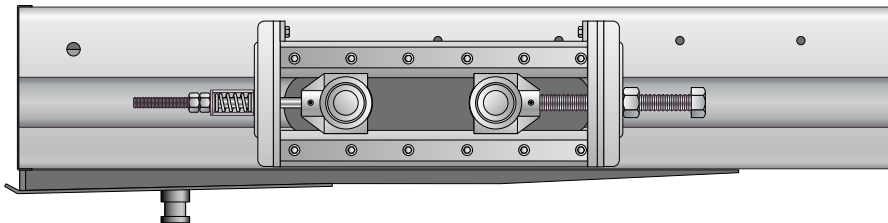


V bottom self centers belt.

## Reversing Belt (Optional Equipment)



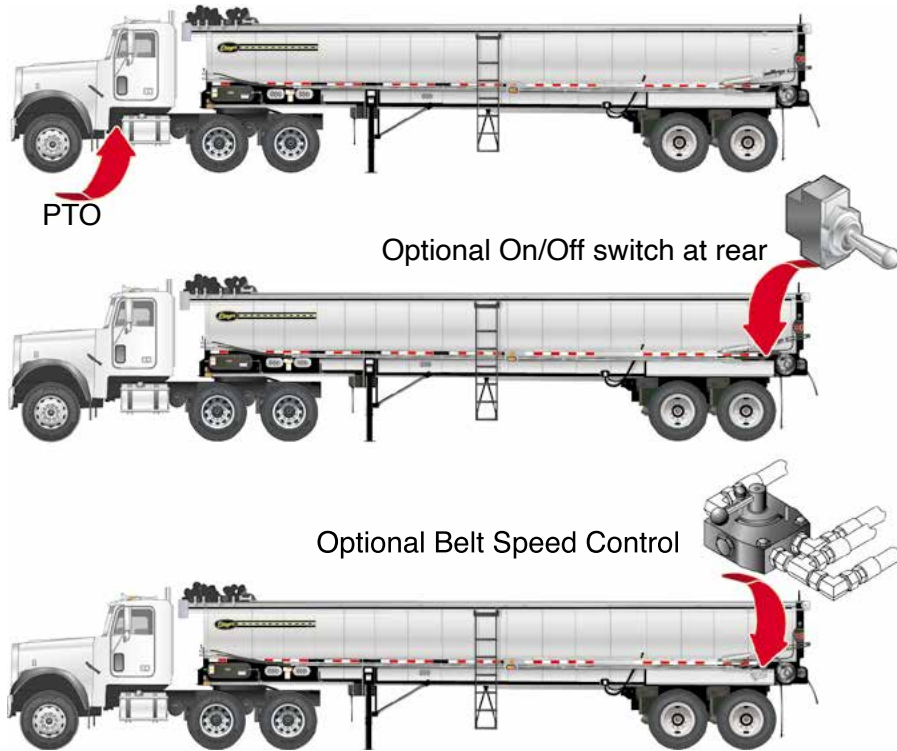
- Special heavy duty belt take up system allows the belt to be operated in reverse (optional equipment).



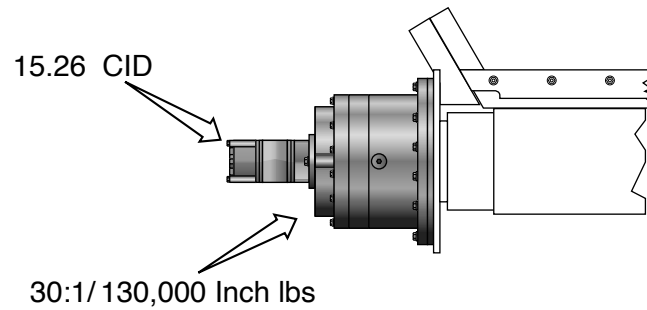
1. Direct hydraulic drive with 30:1 gear reducer. 130,000 inch pounds of torque. More power to unload difficult materials faster.
2. Chain guides made of ultra high molecular polyethylene. Eliminates the need for lubrication. Better support with 8 chain system directly supported by conveyor frame.
3. Composite belt, chemical and heat resistant.
4. Bolt in easy to adjust and replace flashing covers.
5. Positive, full length belt centering.
6. Separate tension adjustments for the belt and the chains.
7. Belt tension gauge.
8. Belt scrapers.
9. Spring loaded belt scraper.



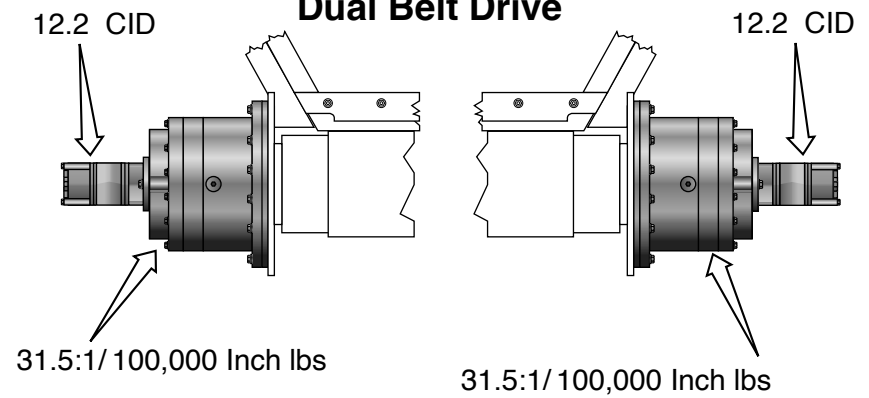
## Belt Drive



## Standard Belt Drive

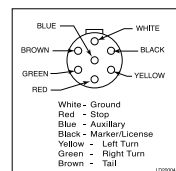
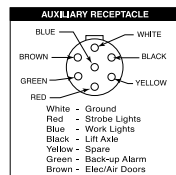
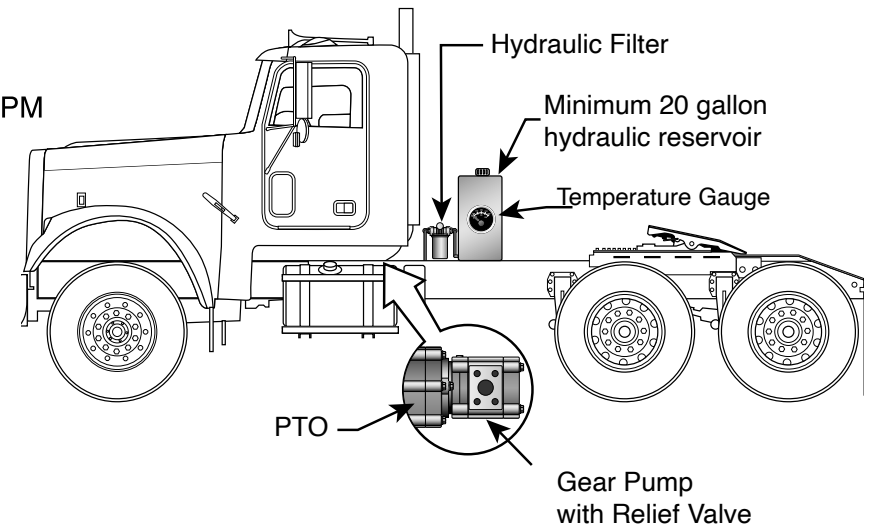


## Dual Belt Drive



# 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



Return Line  
Aeroquip #5100-S5-16B  
Female Quick Coupler  
30 GPM @ 2500 PSI  
Recommended

Auxiliary Electrical  
Receptacle

Service Air

Standard 7-Way  
Electrical Receptacle

Pressure Line  
Aeroquip #5100-S2-16B  
Male Quick Coupler  
30 GPM @ 2500 PSI  
Recommended

Emergency Air

Electrical Receptacle  
Shurco Tarp



## 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.



### High Lift Product Door



Door Safety  
Shut Off



Manual Override for Door

## Insulation

### Smooth Side (standard)

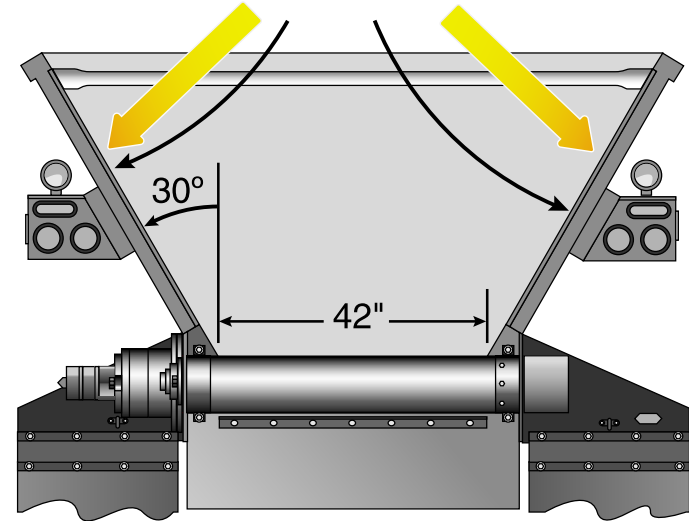


Thermax  
insulation



## Bin Walls

1/8" Hardox 450 Abrasion Resistant Bin Walls  
(Rear 2/3rds)



## Tarp System

### Bin Extension (optional)



Remote Tarp Control



**Side Mounted Ladder**

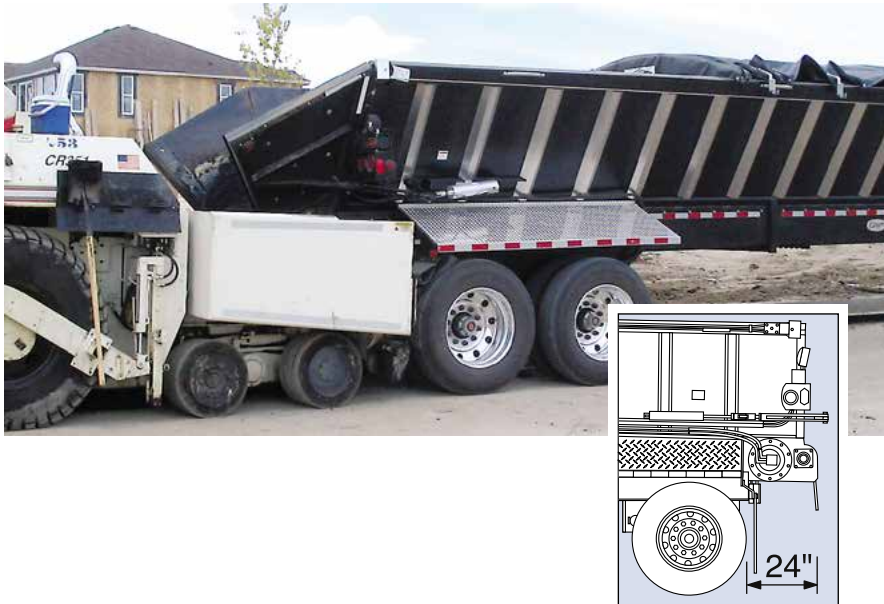


**Front Mounted Ladder**

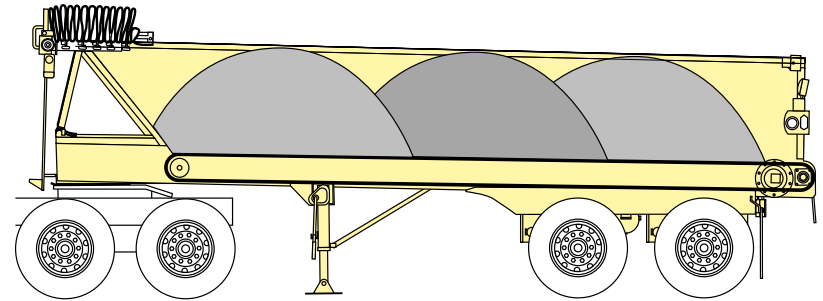


## Rear Underride Exemption

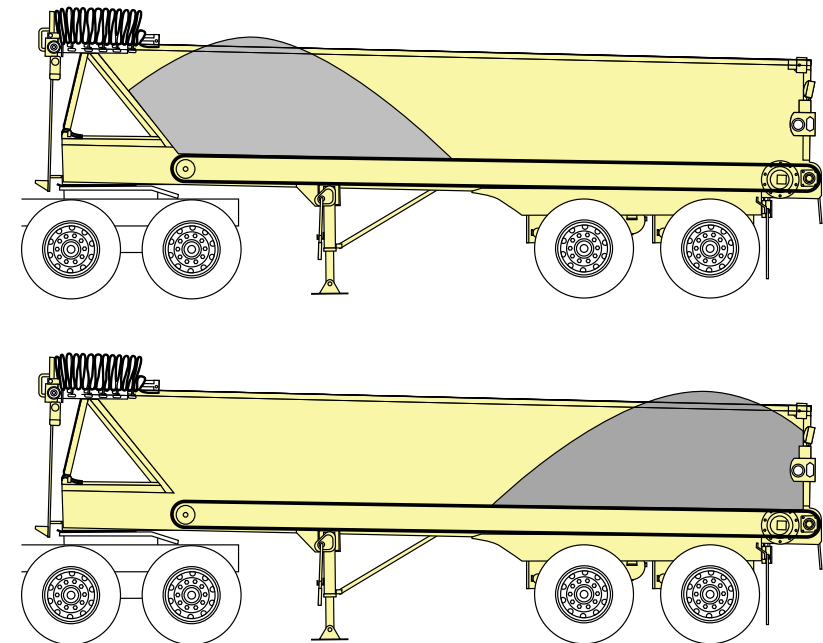
- Federal law exempts belt trailers from underride protection on trailers that are used primarily in asphalt paving.



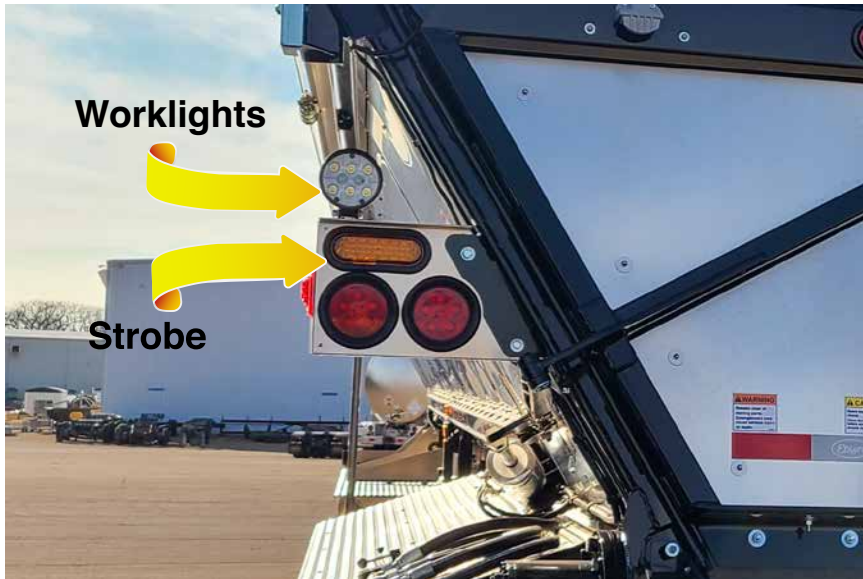
## Proper Loading



## Improper Loading



## Lights



## Landing Legs



## Optional - Belt Speed Control



## Optional - Release Agent Fuel Tank and Washdown Aluminum Tank Option Available



## Fenders



- Suspensions:**
- 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).



# Microsurfacing Support Unit



31" Product Belt / 31" Conveyor.  
 Rubber Flashing.  
 1,000 Gallon Tanks. Each side vented with 2" drain.  
 3" Butterfly Valves. 2" Cam Locks.



6 chains.  
 Hi-Lift Bi-Fold Door.  
 Flow Control Valve.  
 Front to Rear Electric Tarp.



Water

Emulsion





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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