

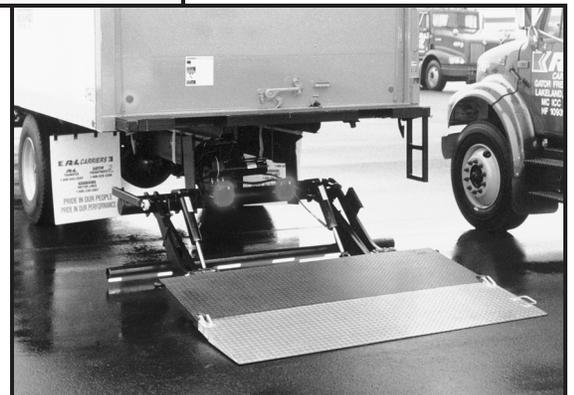
THIEMAN

Liftgate Specification Guide



**Quality
Liftgates
For Every
Application**

*“Raising
Performance
To New
Levels”*



THIEMAN

TAILGATES, INC.

History

The start of the **Thieman** liftgate line originated in the early 1960's. At that time, it was known as Watson which had a product line consisting mainly of conventional style liftgates. In June of 1968, Todco purchased Watson and immediately began to broaden its liftgate line. In the early 1980's Todco had chosen to subcontract many of its liftgate components to a company called **Thieman Stamping**. In August of 1987, **Thieman** acquired the liftgate line which today is known as **Thieman Tailgates**.

Today, **Thieman Tailgates** produces its entire line of liftgates in a 95,000 sq. ft. facility in Celina, Ohio. Warehousing facilities are located in nine different locations throughout the United States.

For more than ten years, **Thieman Tailgates** has been recognized for producing a top quality liftgate for the truck equipment market. **Thieman** has one of the most complete liftgate lines in the industry. Railgates, Stowaways, Sideloaders, Conventionals, and Pickup models with lifting capacities ranging from 1000 lbs. to 6600 lbs. make up the **Thieman** product line. One important factor that continues to make **Thieman** a successful company is its ability to produce customized liftgates in a timely fashion. Equally important, **Thieman** is proud of its reputation for the very best customer service – a reputation that continues to make **Thieman Tailgates** #1 in the liftgate industry.

THIEMAN

LIFTGATE SPECIFICATION GUIDE

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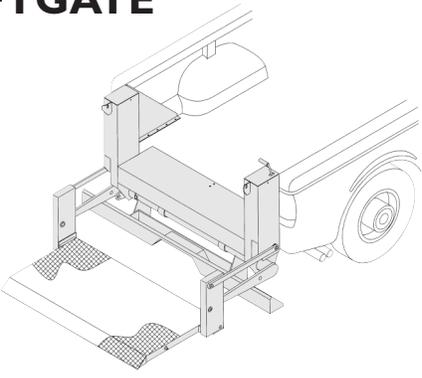
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PICKUP/SERVICE BODY LIFTGATE

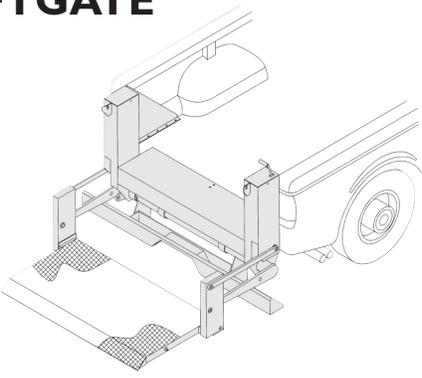
Model:	TT-12E	
Lifting Capacity:	1250 lbs.	
Platform Sizes:	60"x26", 56"x26", or 53"x26"	
Ramp:	5"	
Rustproofing:	Rustproofing of platform frame	
Operation:	Gravity down, level ride	
Lift Mechanism:	Direct single cylinder lift (No chains or cables)	
Lift Arms:	3/4" steel lift arms	
Controls:	Manual lever control on curb side of vehicle	
Pivot Pins:	Non-rotating stressproof material with zinc chromate plating	
Grease Fittings:	Screw in type for easier maintenance	
Bumper:	Swing away type with 5000 lb towing capacity and 500 lb tongue weight	
Platform Surface:	Steel skid resistant safety plate	
Hydraulic Cylinder:	3" bore x 8" stroke, adjustable shaft for platform height adjustment	

Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker
Safety Latches:	Dual automatic locking pins lock platform in stored position

APPLICATION

TT-12E 6026:	1996 and Earlier Ford Pickup, 1993 and Earlier Dodge Pickup, 1987 and Earlier GMC/Chevrolet Pickup
TT-12E 5626:	1988 and Later GMC/Chevrolet Pickup, 1994 and Later Dodge Pickup, 1997 F150/250 LD and Later Ford Pickup, 1999 F250/350 HD and Later Ford Pickup
TT-12E 5326:	Service Bodies
Bed Height Range:	27" to 36"
Installed Weight:	477 to 501 lbs.
Options:	Extruded Aluminum/Expanded Metal/Two-Piece Platforms, Toggle Switch, Remote Pendant, In-Cab Shut Off

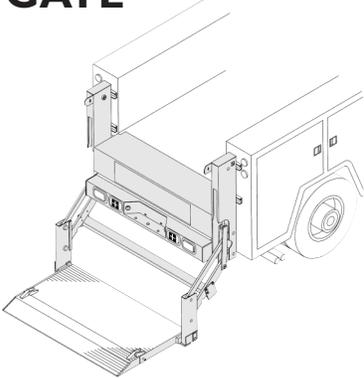
PICKUP/SERVICE BODY LIFTGATE

Model:	TT-12EPB	
Lifting Capacity:	1250 lbs.	
Platform Sizes:	60"x26", 56"x26", or 53"x26"	
Ramp:	5"	
Rustproofing:	Rustproofing of platform frame	
Operation:	Gravity down, level ride	
Lift Mechanism:	Direct single cylinder lift (No chains or cables)	
Lift Arms:	3/4" steel lift arms	
Controls:	Sealed push button control	
Pivot Pins:	Non-rotating stressproof material with zinc chromate plating	
Grease Fittings:	Screw in type for easier maintenance	
Bumper:	Swing away type with 5000 lb towing capacity and 500 lb tongue weight	
Platform Surface:	Steel skid resistant safety plate	
Hydraulic Cylinder:	3" bore x 8" stroke, adjustable shaft for platform height adjustment	
Power Unit:	Electric hydraulic, 12 volt DC motor	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	
Safety Latches:	Dual automatic locking pins lock platform in stored position	

APPLICATION

TT-12EPB 6026:	1996 and Earlier Ford Pickup, 1993 and Earlier Dodge Pickup, 1987 and Earlier GMC/Chevrolet Pickup
TT-12EPB 5626:	1988 and Later GMC/Chevrolet Pickup, 1994 and Later Dodge Pickup, 1997 F150/250 LD and Later Ford Pickup, 1999 F250/350 HD and Later Ford Pickup
TT-12EPB 5326:	Service Bodies
Bed Height Range:	27" to 36"
Installed Weight:	479 to 503 lbs.
Options:	Extruded Aluminum/Expanded Metal/Two-Piece Platforms, Toggle Switch, Remote Pendant, In-Cab Shut Off

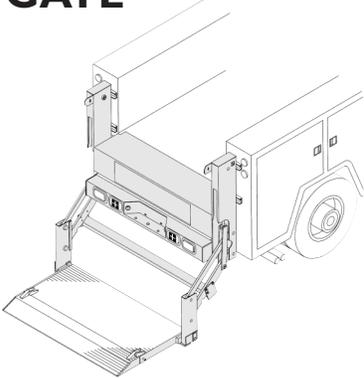
PICKUP/SERVICE BODY LIFTGATE

Model:	TT-15RMET	
Lifting Capacity:	1500 lbs.	
Platform Sizes:	60"x26", 56"x26", or 53"x26"	
Ramp:	5"	
Rustproofing:	Rustproofing of platform frame	
Operation:	Gravity down, level ride	
Lift Mechanism:	Direct dual cylinder lift (No chains or cables)	
Lift Arms:	3/4" steel lift arms	
Controls:	Military spec toggle switch control	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at all pivot points	
Bumper:	5000 lb towing capacity and 500 lb tongue weight	
Platform Surface:	Steel skid resistant safety plate	
Hydraulic Cylinders:	Dual cylinders 2" bore x 8" stroke, adjustable shaft for platform height adjustment	
Power Unit:	Electric hydraulic, 12 volt DC motor	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	
Safety Latches:	Dual automatic locking pins lock platform in stored position	

APPLICATION

TT-15RMET 6026:	1996 and Earlier Ford Pickup, 1993 and Earlier Dodge Pickup, 1987 and Earlier GMC/Chevrolet Pickup
TT-15RMET 5626:	1988 and Later GMC/Chevrolet Pickup, 1994 and Later Dodge Pickup, 1997 F150/250 LD and Later Ford Pickup, 1999 F250/350 HD and Later Ford Pickup
TT-15RMET 5326:	Service Bodies
Bed Height Range:	30" to 45"
Installed Weight:	508 to 534 lbs.
Options:	Push Button, Extruded Aluminum/Expanded Metal/Bar Grate/Two-Piece Platforms, Remote Pendant, In-Cab Shut Off

PICKUP/SERVICE BODY LIFTGATE

Model:	TT-15RMET	
Lifting Capacity:	1500 lbs.	
Platform Sizes:	60"x42", 56"x42", or 53"x42" (Two-piece platform)	
Ramp:	5"	
Rustproofing:	Rustproofing of platform frame	
Operation:	Gravity down, level ride	
Lift Mechanism:	Direct dual cylinder lift (No chains or cables)	
Lift Arms:	3/4" steel lift arms	
Controls:	Military spec toggle switch control	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at all pivot points	
Bumper:	5000 lb towing capacity and 500 lb tongue weight	
Platform Surface:	Steel skid resistant safety plate	
Hydraulic Cylinders:	Dual cylinders 2" bore x 8" stroke, adjustable shaft for platform height adjustment	

Power Unit: Electric hydraulic, 12 volt DC motor

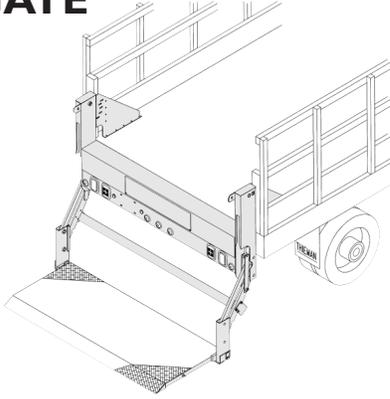
Electrical: Meets all TMC electrical requirements, includes 150 amp circuit breaker

Safety Latches: Dual automatic locking pins lock platform in stored position

APPLICATION

TT-15RMET 6042:	1996 and Earlier Ford Pickup, 1993 and Earlier Dodge Pickup, 1987 and Earlier GMC/Chevrolet Pickup
TT-15RMET 5642:	1988 and Later GMC/Chevrolet Pickup, 1994 and Later Dodge Pickup, 1997 F150/250 LD and Later Ford Pickup, 1999 F250/350 HD and Later Ford Pickup
TT-15RMET 5342:	Service Bodies
Bed Height Range:	30" to 45"
Installed Weight:	619 to 671 lbs.
Options:	Push Button, Remote Pendant, In-Cab Shut Off, Extruded Aluminum Platform, Bar Grate

GENERAL PURPOSE LIFTGATE

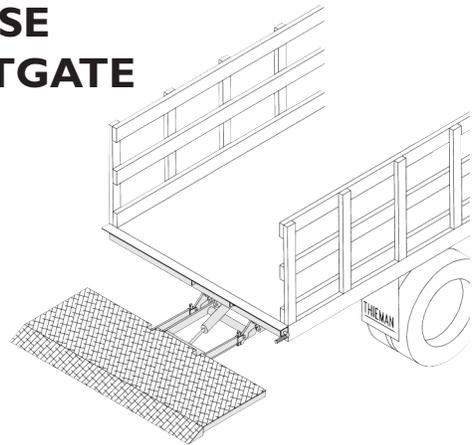
Model:	TT-16RMET	
Lifting Capacity:	1600 lbs.	
Platform Size:	80"x30"	
Ramp:	5"	
Rustproofing:	Rustproofing of platform frame	
Operation:	Gravity down, level ride	
Lift Mechanism:	Direct dual cylinder lift (No chains or cables)	
Controls:	Military spec toggle switch control	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at all pivot points	
Platform Surface:	Steel skid resistant safety plate	
Hydraulic Cylinders:	Dual cylinders 2" bore x 8" stroke, adjustable shaft for platform height adjustment	
Power Unit:	Electric hydraulic, 12 volt DC motor	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	
Safety Latches:	Dual automatic locking pins lock platform in stored position	

APPLICATION

TT-16ET 8030:	Flatbeds, Van Bodies, and Wide Service Bodies
Bed Height Range:	30" to 50"
Installed Weight:	750 lbs.
Options:	Remote Pendant, In-Cab Shut Off, Expanded Metal Platform, Light Kit, Extruded Aluminum Platform, Special Platform Sizes

**GENERAL PURPOSE
CONVENTIONAL LIFTGATE**

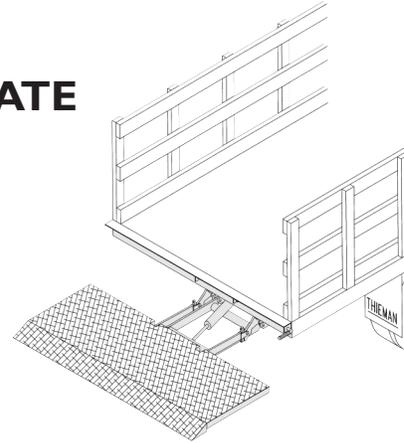
Model:	TWL-125ET
Lifting Capacity:	1250 lbs.
Platform Sizes:	66"x26", 78"x32", or 84"x32"
Ramp:	8"
Operation:	Gravity down, ramp ride
Closing:	Cam activated, power close
Controls:	Military spec toggle switch control
Lift Cylinder:	3" bore x 8" stroke, adjustable shaft for platform height adjustment
Idler Arms:	Adjustable idler arms to adjust platform angle
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

TWL-125ET:	Flat Beds and Van Bodies
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	33" to 47"
Installed Weight:	436 to 546 lbs.
Options:	Expanded Metal/Aluminum Platforms, Push Button, Remote Pendant, In-Cab Shut Off, PTO, Power Down

**GENERAL PURPOSE
CONVENTIONAL LIFTGATE**

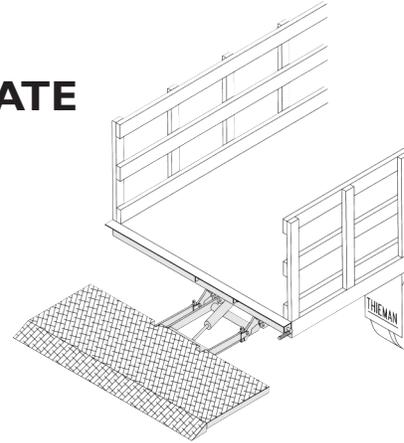


Model:	TWL-16ET
Lifting Capacity:	1600 lbs.
Platform Sizes:	78"x32", 84"x32", or 90"x32"
Ramp:	8"
Operation:	Gravity down, ramp ride
Closing:	Cam activated, power close
Controls:	Military spec toggle switch control
Lift Cylinder:	3" bore x 10" stroke, adjustable shaft for platform height adjustment
Idler Arms:	Adjustable idler arms to adjust platform angle
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

TWL-16ET:	Flatbeds and Van Bodies
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	37" to 52"
Installed Weight:	556 to 591 lbs.
Options:	Expanded Metal/Aluminum Platforms, Push Button, Remote Pendant, In-Cab Shut Off, PTO, Power Down

**GENERAL PURPOSE
CONVENTIONAL LIFTGATE**

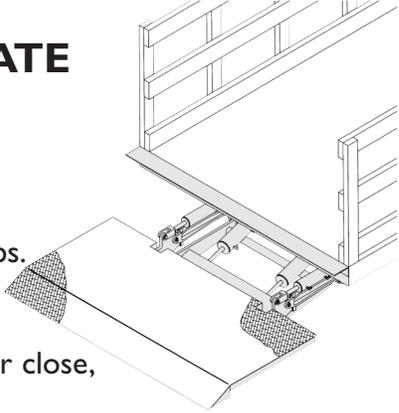


Model:	TWL-20ET
Lifting Capacity:	2000 lbs.
Platform Sizes:	78"x32", 84"x32", or 90"x32"
Ramp:	8"
Operation:	Gravity down, ramp ride
Closing:	Cam activated, power close
Controls:	Military spec toggle switch control
Lift Cylinder:	3" bore x 10" stroke, adjustable shaft for platform height adjustment
Idler Arms:	Adjustable idler arms to adjust platform angle
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

TWL-20ET:	Flatbeds and Van Bodies
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	37" to 52"
Installed Weight:	563 to 598 lbs.
Options:	Expanded Metal/Aluminum Platforms, Push Button, Remote Pendant, In-Cab Shut Off, PTO, Power Down

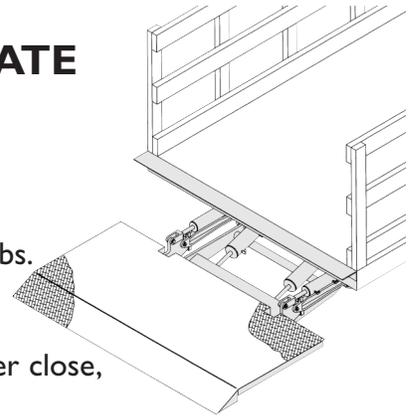
**HEAVY-DUTY
CONVENTIONAL LIFTGATE**

Model:	WT-20EST	
Platform Sizes and Lifting Capacities:	84"x36", 90"x36", 90"x42", 90"x48" 2000 lbs., 2000 lbs., 1750 lbs., 1500 lbs.	
Ramp:	10"	
Operation:	Power down, power open, and power close, ramp ride	
Controls:	Military spec toggle switch control	
Lift Cylinders:	Dual lift cylinders 3" bore x 8" stroke, adjustable shafts for platform height adjustment	
Pivot Pins:	Stressproof material with zinc chromate plating	
Grease Fittings:	Screw in type for easier maintenance	
Idler Arms:	Adjustable idler arms to adjust platform angle	
Snubber:	Snubber kit to reduce movement during travel	
Safety Latches:	Dual latch chains for increased safety	
Bushings:	Cast bronze bushings at critical pivot points	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

WT-20EST:	Flatbeds and Van Bodies
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	40" to 54"
Installed Weight:	900 to 1051 lbs.
Options:	Expanded Metal/Aluminum Platforms, PTO, In-Cab Shut Off

**HEAVY-DUTY
CONVENTIONAL LIFTGATE**

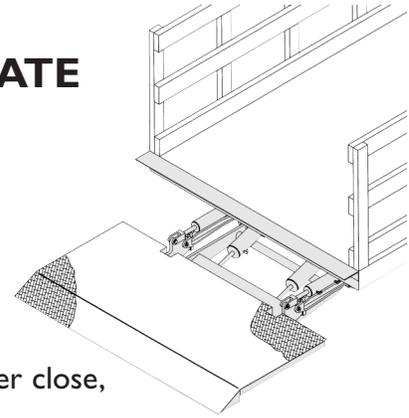


Model:	WT-30EST
Platform Sizes and Lifting Capacities:	84"x36", 90"x36", 90"x42", 90"x48" 3000 lbs., 3000 lbs., 2500 lbs., 2000 lbs.
Ramp:	10"
Operation:	Power down, power open, and power close, ramp ride
Controls:	Military spec toggle switch control
Lift Cylinders:	Dual lift cylinders 3.5" bore x 8" stroke, adjustable shafts for platform height adjustment
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Idler Arms:	Adjustable idler arms to adjust platform angle
Snubber:	Snubber kit to reduce movement during travel
Safety Latches:	Dual latch chains for increased safety
Bushings:	Cast bronze bushings at critical pivot points
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

WT-30EST:	Flatbeds and Van Bodies
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	40" to 54"
Installed Weight:	884 to 1101 lbs.
Options:	Expanded Metal/Aluminum Platforms, PTO, In-Cab Shut Off

**HEAVY-DUTY
CONVENTIONAL LIFTGATE**

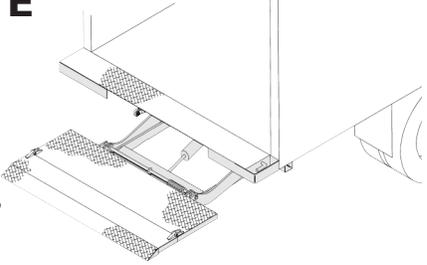


Model:	WT-40EST
Platform Sizes and	90"x36", 90"x42", 90"x48"
Lifting Capacities:	4000 lbs., 3500 lbs., 3000 lbs.
Ramp:	10"
Operation:	Power down, power open, and power close, ramp ride
Controls:	Military spec toggle switch control
Lift Cylinders:	Dual lift cylinders 4" bore x 8" stroke, adjustable shafts for platform height adjustment
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Idler Arms:	Adjustable idler arms to adjust platform angle
Snubber:	Snubber kit to reduce movement during travel
Safety Latches:	Dual latch chains for increased safety
Bushings:	Cast bronze bushings at critical pivot points
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

WT-40EST:	Flatbeds and Van Bodies
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	40" to 54"
Installed Weight:	1006 to 1135 lbs.
Options:	Expanded Metal/Aluminum Platforms, PTO, In-Cab Shut Off

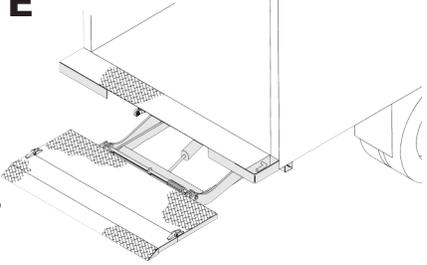
GENERAL PURPOSE STOWAWAY LIFTGATE

Model:	M-16ET	
Lifting Capacity:	1600 lbs.	
Platform Sizes:	72"x36", 72"x42" (Wedge), 84"x36", 84"x42" (Wedge)	
Ramp:	6"	
Operation:	Gravity down, ramp ride	
Controls:	Military spec toggle switch control	
Lift Cylinder:	3" bore x 10" stroke, adjustable shaft for platform height adjustment	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at all pivot points	
Snubber:	Snubber kit reduces movement during travel	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

M-16ET:	Flatbeds and Van Bodies
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	37" to 54" (Wedge style-45" to 54") 34" to 39" (Low Bed Application)
Installed Weight:	750 to 805 lbs.
Options:	Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, Light Kits, PTO, Power Down, Low Bed Option, Receiver Hitch Bracket, Aluminum Platforms, Rear Impact Guard

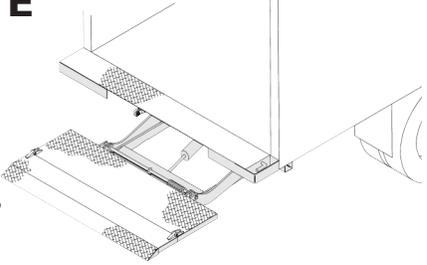
GENERAL PURPOSE STOWAWAY LIFTGATE

Model:	M-20ET	
Lifting Capacity:	2000 lbs.	
Platform Sizes:	72"x36", 72"x42" (Wedge), 84"x36", or 84"x42" (Wedge)	
Ramp:	6"	
Operation:	Gravity down, ramp ride	
Controls:	Military spec toggle switch control	
Lift Cylinder:	3" bore x 10" stroke, adjustable shaft for platform height adjustment	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at all pivot points	
Snubber:	Snubber kit reduces movement during travel	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

M-20ET:	Flatbeds and Van Bodies
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	37" to 54" (Wedge style-45" to 54") 34" to 39" (Low Bed Application)
Installed Weight:	765 to 820 lbs.
Options:	Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, Light Kits, PTO, Power Down, Low Bed Option, Receiver Hitch Bracket, Aluminum Platforms, Rear Impact Guard

GENERAL PURPOSE STOWAWAY LIFTGATE

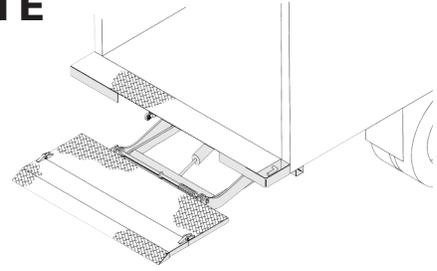
Model:	M-25ET	
Lifting Capacity:	2500 lbs.	
Platform Sizes:	72"x36", 72"x42" (Wedge), 84"x36", 84"x42" (Wedge)	
Ramp:	6"	
Operation:	Gravity down, ramp ride	
Controls:	Military spec toggle switch control	
Lift Cylinder:	3" bore x 10" stroke, adjustable shaft for platform height adjustment	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at all pivot points	
Snubber:	Snubber kit reduces movement during travel	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

M-25ET:	Flatbeds and Van Bodies
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	37" to 54" (Wedge style-45" to 54") 34" to 39" (Low Bed Application)
Installed Weight:	890 to 940 lbs.
Options:	Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, Light Kits, PTO, Power Down, Low Bed Option, Receiver Hitch Bracket, Aluminum Platforms, Rear Impact Guard

GENERAL PURPOSE STOWAWAY LIFTGATE

Model:	M-30ET
Lifting Capacity:	3000 lbs.
Platform Sizes:	72"x36", 84"x36"
Ramp:	6"
Operation:	Gravity down, ramp ride
Controls:	Military spec toggle switch control
Lift Cylinder:	3.5" bore x 10" stroke, adjustable shaft for platform height adjustment
Pivot Pins:	Non-rotating stressproof material with Nitrotec
Bushings:	Maintenance free Teflon composite bushings at all pivot points
Snubber:	Snubber kit reduces movement during travel
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

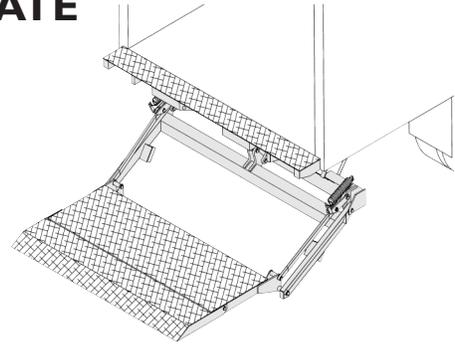


APPLICATION

M-30ET:	Flatbeds and Van Bodies
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	37" to 52" 34" to 39" (Low Bed Application)
Installed Weight:	905 to 955 lbs.
Options:	Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, Light Kits, PTO, Power Down, Low Bed Option, Receiver Hitch Bracket, Rear Impact Guard

**GENERAL PURPOSE
STOWAWAY LIFTGATE**

Model:	LST-25E
Lifting Capacity:	2500 lbs.
Platform Size:	72"x36"
Ramp:	6"
Operation:	Gravity down, ramp ride
Controls:	Manual lever controls
Lift Cylinder:	3.5" bore x 10" stroke, adjustable shaft for platform height adjustment
Lift Arms:	Outside lift arms for maximum stability
Idler Arms:	Adjustable idler arms to adjust platform angle
Platform Folding:	Dual spring assist for easier folding of platform
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Safety Latches:	Dual automatic safety latches lock platform in stored position
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

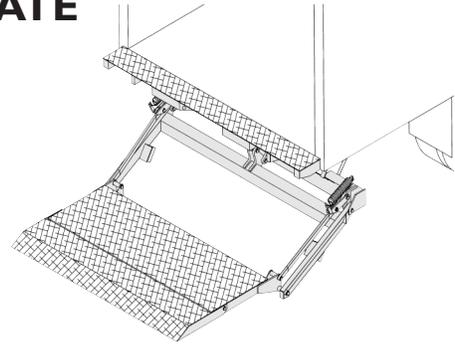


APPLICATION

LST-25E:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	42" to 54"
Installed Weight:	722 lbs.
Options:	Toggle Switch, Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, Light Kits, PTO, Power Down

**GENERAL PURPOSE
STOWAWAY LIFTGATE**

Model:	LST-30E
Lifting Capacity:	3000 lbs.
Platform Size:	72"x36"
Ramp:	6"
Operation:	Gravity down, ramp ride
Controls:	Manual lever controls
Lift Cylinder:	3.5" bore x 10" stroke, adjustable shaft for platform height adjustment
Lift Arms:	Outside lift arms for maximum stability
Idler Arms:	Adjustable idler arms to adjust platform angle
Platform Folding:	Dual spring assist for easier folding of platform
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Safety Latches:	Dual automatic safety latches lock platform in stored position
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

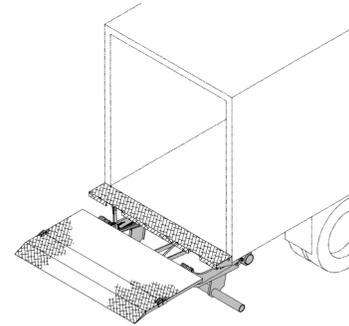


APPLICATION

LST-30E:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	42" to 54"
Installed Weight:	768 lbs.
Options:	Toggle Switch, Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, Light Kits, PTO, Power Down

HEAVY-DUTY STOWAWAY LIFTGATE

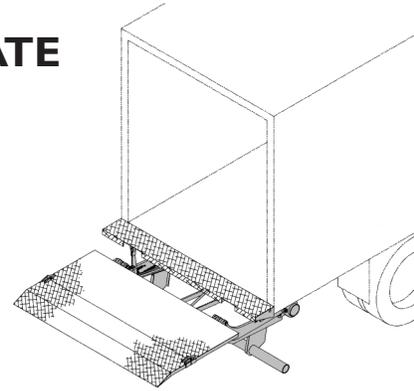
Model:	ST-20ES
Lifting Capacity:	2000 lbs.
Platform Size:	72"x36"
Ramp:	6"
Operation:	Power down, ramp ride
Controls:	Manual lever controls
Lift Cylinders:	Dual cylinders, 3" bore x 6" stroke, adjustable shaft for platform height adjustment
Idler Arms:	Adjustable idler arms to adjust platform angle
Platform Folding:	Torsion spring assist for folding of platform
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Safety Latches:	Dual automatic safety latches lock platform in stored position
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

ST-20ES:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	42" to 54"
Installed Weight:	695 lbs.
Options:	Toggle Switch, Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, PTO

HEAVY-DUTY STOWAWAY LIFTGATE

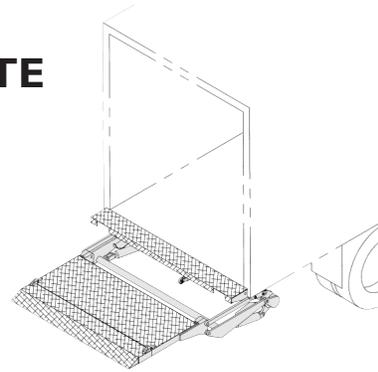


Model:	ST-22ET
Lifting Capacity:	2200 lbs.
Platform Size:	84"x40"
Ramp:	10"
Operation:	Gravity down, ramp ride
Controls:	Military spec toggle switch control
Lift Cylinder:	3.5" bore x 10" stroke, adjustable shaft for platform height adjustment
Platform Folding:	Torsion bar assist for folding of platform
Pivot Pins:	1 1/8" diameter stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Snubber:	Snubber kit reduces movement during travel
Safety Latches:	Dual automatic safety latches lock platform in stored position
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

ST-22ET:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	48" to 56"
Installed Weight:	880 lbs.
Options:	Toggle Switch, Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, PTO, Power Down, Rear Impact Guard

HEAVY-DUTY STOWAWAY LIFTGATE

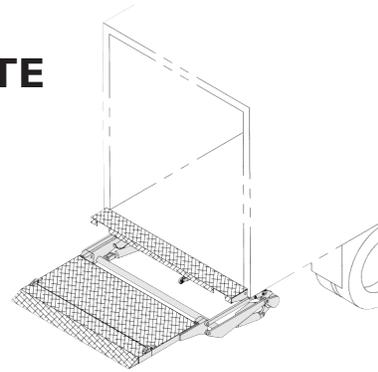


Model:	ST-25ES
Lifting Capacity:	2500 lbs.
Platform:	72" x 36" Aluminum Treadplate
Ramp:	6"
Operation:	Power down, ramp ride
Controls:	Manual lever controls
Lift Cylinders:	Dual cylinders, 3" bore x 8" stroke, adjustable shafts for platform height adjustment
Idler Arms:	Adjustable idler arms to adjust platform angle
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Safety Latches:	Dual automatic safety latches lock platform in stored position
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

ST-25ES:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	42" to 54"
Installed Weight:	711 lbs.
Options:	Toggle Switch, Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, PTO

HEAVY-DUTY STOWAWAY LIFTGATE



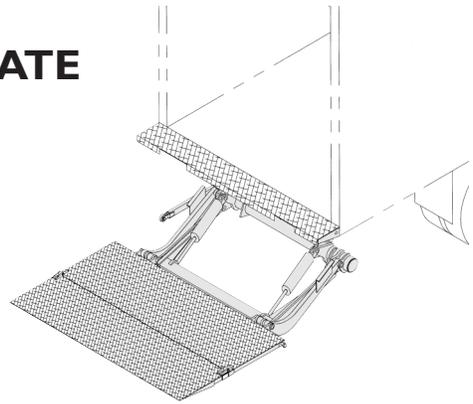
Model:	ST-30ES
Lifting Capacity:	3000 lbs.
Platform:	72" x 36" Aluminum Treadplate
Ramp:	6"
Operation:	Power down, ramp ride
Controls:	Manual lever controls
Lift Cylinders:	Dual cylinders, 3" bore x 8" stroke, adjustable shaft for platform height adjustment
Idler Arms:	Adjustable idler arms to adjust platform angle
Pivot Pins:	Stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Safety Latches:	Dual automatic safety latches lock platform in stored position
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

ST-30ES:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	42" to 54"
Installed Weight:	765 lbs.
Options:	Toggle Switch, Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, PTO

HEAVY-DUTY STOWAWAY LIFTGATE

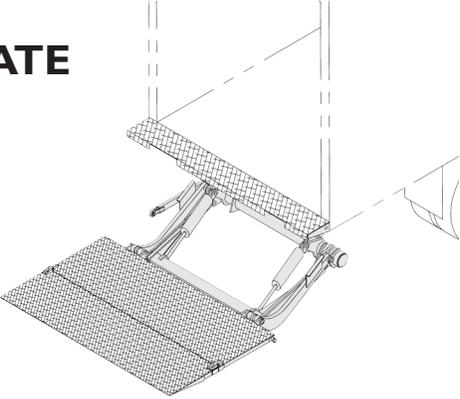
Model:	ST-31ET
Lifting Capacity:	3100 lbs.
Platform Size:	84"x40"
Ramp:	10"
Operation:	Gravity down, ramp ride
Controls:	Military spec toggle switch control
Lift Cylinders:	Dual cylinders, 3" bore x 10" stroke, adjustable shaft for platform height adjustment
Platform Folding:	Torsion bar assist for folding of platform
Pivot Pins:	1 1/8" diameter stressproof material with zinc chromate plating
Grease Fittings:	Screw in type for easier maintenance
Snubber:	Snubber kit reduces movement during travel
Safety Latches:	Dual automatic latches lock platform in stored position
Power Unit:	Electric hydraulic, 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

ST-31ET:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	48" to 56"
Installed Weight:	922 lbs.
Options:	Toggle Switch, Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, PTO, Power Down, Rear Impact Guard

HEAVY-DUTY STOWAWAY LIFTGATE

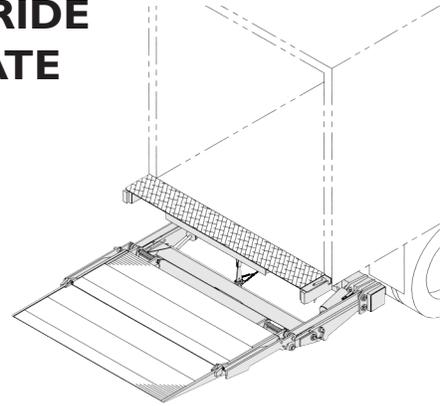
Model:	ST-40EST	
Platform Sizes and Lifting Capacities:	84"x40", 84"x52" Wedge 4000 lbs., 3300 lbs.	
Ramp:	10"	
Operation:	Power down, ramp ride	
Controls:	Military spec toggle switch control	
Lift Cylinders:	Dual cylinders, 3" bore x 10" stroke, adjustable shafts for platform height adjustment	
Pivot Pins:	Non-rotating 1 1/4" diameter stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at all pivot points	
Snubber:	Snubber kit reduces movement during travel	
Safety Latches:	Dual automatic safety latches lock platform in stored position	
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

ST-40EST:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	48" to 56"
Installed Weight:	1045 lbs.
Options:	Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, PTO, Light Kits, Rear Impact Guard

HEAVY-DUTY LEVEL-RIDE STOWAWAY LIFTGATE

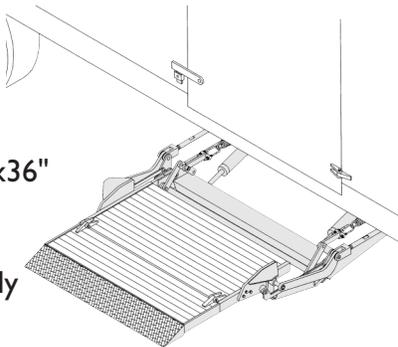
Model:	LRST-40EST
Platform Size and	80"x60" Aluminum
Lifting Capacities:	4000 lbs.
Ramp:	Full Taper
Operation:	Power down, self leveling
Controls:	Military spec toggle switch control
Lift Cylinders:	Dual cylinders, 3.5" bore x 8" stroke, adjustable shafts for platform height adjustment
Pivot Pins:	Non-rotating 1 1/2" diameter stressproof material with Nitrotec
Bushings:	Maintenance free Teflon composite bushings at all pivot points
Snubber:	Snubber kit reduces movement during travel
Safety Latches:	Dual automatic safety latches lock platform in stored position
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor with enclosure
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

LRST-40EST:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under truck body at rear of vehicle
Bed Height Range:	46" to 56"
Installed Weight:	1450 lbs.
Options:	Push Button, Remote Pendant, Dock Bumpers, In-Cab Shut Off, PTO, Light Kits, Rear Impact Guard

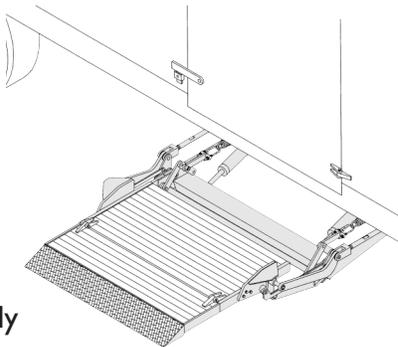
SIDELoader LIFTGATE

Model:	SL-15EST-6	
Lifting Capacity:	1500 lbs.	
Platform:	Extruded Aluminum, Level Ride, 48"x36"	
Ramp:	8"	
Side Rail Clearance:	6" reach without notching truck body	
Controls:	Military spec toggle switch control	
Operation:	Power down, level ride	
Lift Cylinders:	Dual cylinders, 3" bore x 6" stroke, adjustable shaft for platform height adjustment	
Idler Arms:	Adjustable idler arms to adjust platform angle	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at critical wear points	
Grease Fittings:	Screw in type for easier maintenance	
Safety Latches:	Dual latch chains lock platform in stored position	
Platform Folding:	Dual spring assist for folding of platform	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

SL-15EST-6:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under body on side of vehicle
Bed Height Range:	42" to 54"
Installed Weight:	669 lbs.
Options:	Push Button, Remote Pendant, Retractable Ladder, Automatic Cart Stop, In-Cab Shut Off, PTO

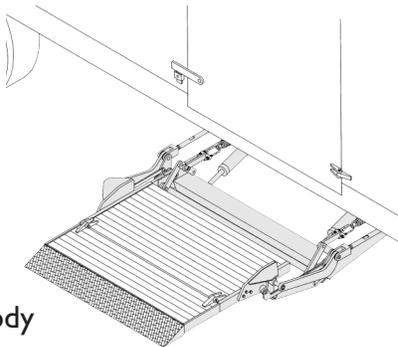
SIDELoader LIFTGATE

Model:	SL-20EST-6	
Lifting Capacity:	2000 lbs.	
Platform:	Extruded Aluminum, Level Ride, 48"x36"	
Ramp:	8"	
Side Rail Clearance:	6" reach without notching truck body	
Controls:	Military spec toggle switch control	
Operation:	Power down, level ride	
Lift Cylinders:	Dual cylinders, 3" bore x 6" stroke, adjustable shaft for platform height adjustment	
Idler Arms:	Adjustable idler arms to adjust platform angle	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at critical wear points	
Grease Fittings:	Screw in type for easier maintenance	
Safety Latches:	Dual latch chains lock platform in stored position	
Platform Folding:	Dual spring assist for folding of platform	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

SL-20EST-6:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under body on side of vehicle
Bed Height Range:	42" to 54"
Installed Weight:	674 lbs.
Options:	Push Button, Remote Pendant, Retractable Ladder, Automatic Cart Stop, In-Cab Shut Off, PTO

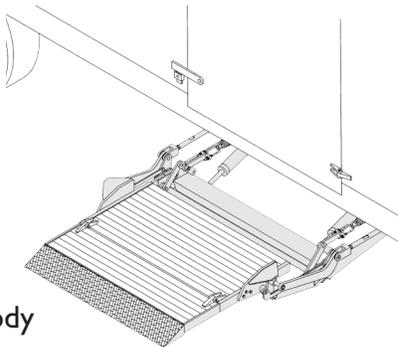
SIDELoader LIFTGATE

Model:	SL-15EST-10	
Lifting Capacity:	1500 lbs.	
Platform:	Extruded Aluminum, Level Ride, 48"x36"	
Ramp:	8"	
Side Rail Clearance:	10" reach without notching truck body	
Controls:	Military spec toggle switch control	
Operation:	Power down, level ride	
Lift Cylinders:	Dual cylinders, 3" bore x 6" stroke, adjustable shaft for platform height adjustment	
Idler Arms:	Adjustable idler arms to adjust platform angle	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at critical wear points	
Grease Fittings:	Screw in type for easier maintenance	
Safety Latches:	Dual latch chains lock platform in stored position	
Platform Folding:	Dual spring assist for folding of platform	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

SL-15EST-10:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under body on side of vehicle
Bed Height Range:	48" to 56"
Installed Weight:	682 lbs.
Options:	Push Button, Remote Pendant, Retractable Ladder, Automatic Cart Stop, In-Cab Shut Off, PTO

SIDELoader LIFTGATE

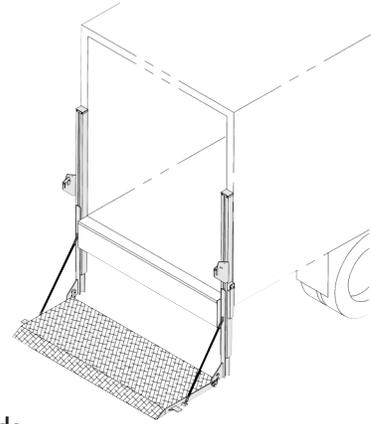
Model:	SL-20EST-10	
Lifting Capacity:	2000 lbs.	
Platform:	Extruded Aluminum, Level Ride, 48"x36"	
Ramp:	8"	
Side Rail Clearance:	10" reach without notching truck body	
Controls:	Military spec toggle switch control	
Operation:	Power down, level ride	
Lift Cylinders:	Dual cylinders, 3" bore x 6" stroke, adjustable shaft for platform height adjustment	
Idler Arms:	Adjustable idler arms to adjust platform angle	
Pivot Pins:	Non-rotating stressproof material with Nitrotec	
Bushings:	Maintenance free Teflon composite bushings at critical wear points	
Grease Fittings:	Screw in type for easier maintenance	
Safety Latches:	Dual latch chains lock platform in stored position	
Platform Folding:	Dual spring assist for folding of platform	
Power Unit:	Electric hydraulic, 12 volt DC motor with solenoid cover	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker	

APPLICATION

SL-20EST-10:	Flatbeds, Van Bodies, and Trailers
Travel Position:	Platform stores under body on side of vehicle
Bed Height Range:	48" to 56"
Installed Weight:	687 lbs.
Options:	Push Button, Remote Pendant, Retractable Ladder, Automatic Cart Stop, In-Cab Shut Off, PTO

GENERAL PURPOSE RAILGATE

Model:	TVL-125
Lifting Capacity:	1250 lbs.
Platform Size:	85"x30"
Ramp:	5"
Lift Mechanism:	Roller chain and sprockets
Sliders:	S3 x 5.7 I-Beam with UHMW wear pads
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 90" overall width
Lift Cylinder:	2" bore x 27" stroke
Power Unit:	Electric hydraulic, 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

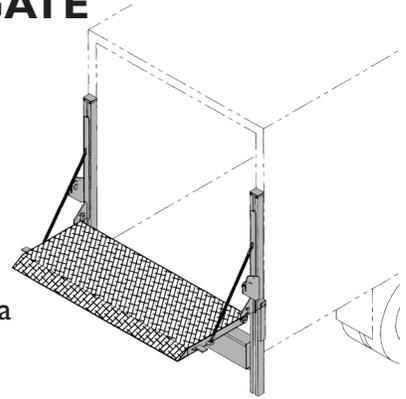


APPLICATION

TVL-125:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 56"
Installed Weight:	570 lbs.
Options:	Aluminum/Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Above Bed, Foot Activated Cart Stops

**ABOVE BED
GENERAL PURPOSE RAILGATE**

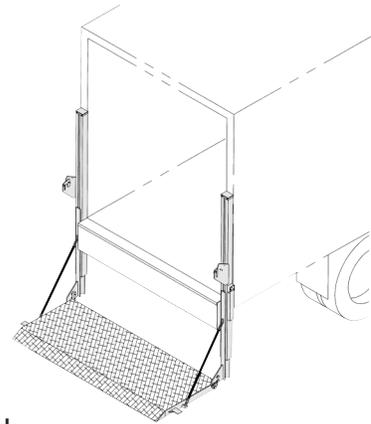
Model:	TVL-125A
Lifting Capacity:	1250 lbs.
Platform Size:	85"x30"
Ramp:	5"
Above Bed Lift:	Platform will travel 16" above bed to a maximum of 56" above ground
Lift Mechanism:	Roller chain and sprockets
Sliders:	S3 x 5.7 I-Beam with UHMW wear pads
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 90" overall width
Lift Cylinder:	2" bore x 27" stroke
Power Unit:	Electric hydraulic, 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

TVL-125A:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 46"
Installed Weight:	580 lbs.
Options:	Aluminum/Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Foot Activated Cart Stops

**GENERAL PURPOSE
RAILGATE**



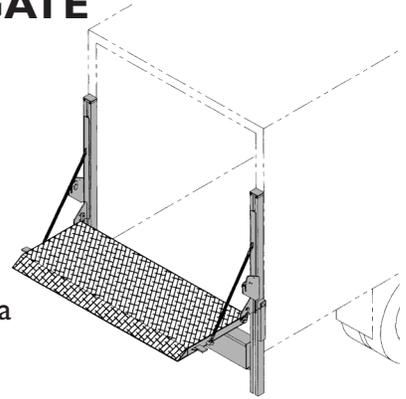
Model:	TVL-16
Lifting Capacity:	1600 lbs.
Platform Size:	90"x36"
Ramp:	5"
Lift Mechanism:	Roller chain and sprockets
Sliders:	S3 x 5.7 I-Beam with UHMW wear pads
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 95" overall width
Lift Cylinder:	2" bore x 27" stroke
Power Unit:	Electric hydraulic, 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

TVL-16:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 56"
Installed Weight:	650 lbs.
Options:	Aluminum/Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Above Bed, Foot Activated Cart Stops

**ABOVE BED
GENERAL PURPOSE RAILGATE**

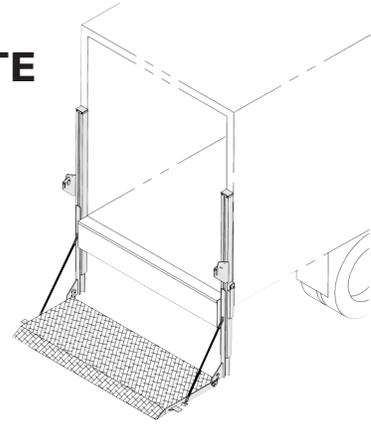
Model:	TVL-16A
Lifting Capacity:	1600 lbs.
Platform Size:	90"x36"
Ramp:	5"
Above Bed Lift:	Platform will travel 16" above bed to a maximum of 56" above ground
Lift Mechanism:	Roller chain and sprockets
Sliders:	S3 x 5.7 I-Beam with UHMW wear pads
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 95" overall width
Lift Cylinder:	2" bore x 27" stroke
Power Unit:	Electric hydraulic, 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

TVL-16A:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 46"
Installed Weight:	660 lbs.
Options:	Aluminum/Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Foot Activated Cart Stops

**GENERAL PURPOSE
ALL-ALUMINUM RAILGATE**

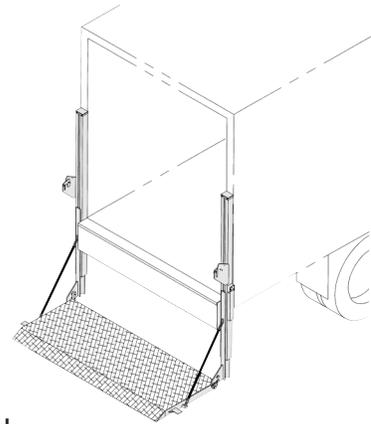


Model:	TVL-125/TVL-16
Lifting Capacity:	1250/1600 lbs.
Platform Size:	90"x54"
Ramp:	6"
Lift Mechanism:	Roller chain and sprockets
Sliders:	3" x 4" x .17" with UHMW wear pads
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	1/4" construction, 95" overall width
Lift Cylinder:	2" bore x 27" stroke
Power Unit:	Electric hydraulic, 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

TVL-125/16 Aluminum:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 56"
Installed Weight:	550 lbs.
Options:	Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, 12" Aluminum Retention Ramp, Above Bed, Foot Activated Cart Stops

**GENERAL PURPOSE
RAILGATE**



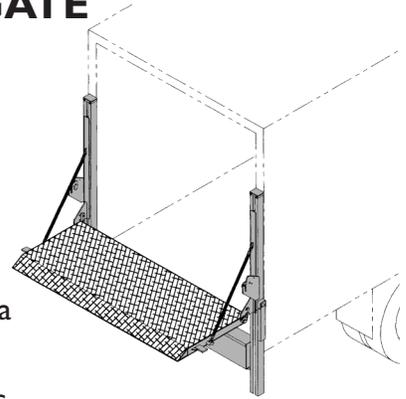
Model:	TVL-20
Lifting Capacity:	2000 lbs.
Platform Size:	90"x36"
Ramp:	5"
Lift Mechanism:	Leaf chain with case hardened sheaves
Sliders:	S3 x 7.5 I-Beam with UHMW wear pads
Lift Chain:	4 x 4 Leaf chain with 12,500 lb. tensile strength
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 95" overall width
Lift Cylinder:	2" bore x 27" stroke, 1.38" cylinder rod
Power Unit:	Electric hydraulic, 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

TVL-20:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 56"
Installed Weight:	670 lbs.
Options:	Aluminum/Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Above Bed, Foot Activated Cart Stops

**ABOVE BED
GENERAL PURPOSE RAILGATE**

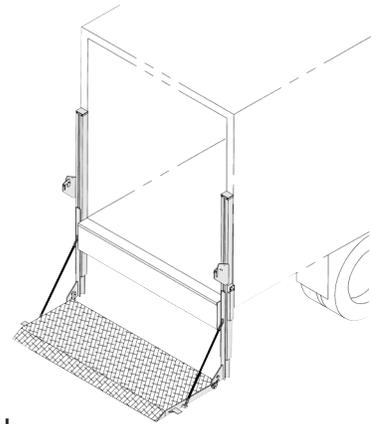
Model:	TVL-20A
Lifting Capacity:	2000 lbs.
Platform Size:	90"x36"
Ramp:	5"
Above Bed Lift:	Platform will travel 16" above bed to a maximum of 56" above ground
Lift Mechanism:	Leaf chain with case hardened sheaves
Sliders:	S3 x 5.7 I-Beam with UHMW wear pads
Lift Chain:	4 x 4 Leaf chain with 12,500 lb. tensile strength
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 95" overall width
Lift Cylinder:	2" bore x 27" stroke, 1.38" cylinder rod
Power Unit:	Electric hydraulic, 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

TVL-20A:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 46"
Installed Weight:	680 lbs.
Options:	Aluminum/Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Foot Activated Cart Stops

**GENERAL PURPOSE
RAILGATE**



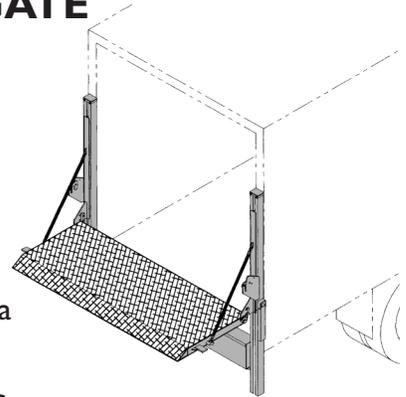
Model:	TVL-30
Lifting Capacity:	3000 lbs.
Platform Size:	90"x42"
Ramp:	5"
Lift Mechanism:	Leaf chain with case hardened sheaves
Sliders:	S3 x 5.7 I-Beam with UHMW wear pads
Lift Chain:	4 x 4 Leaf chain with 12,500 lb. tensile strength
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 95" overall width
Lift Cylinder:	2.5" bore x 27" stroke, 1.38" cylinder rod
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

TVL-30:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 56"
Installed Weight:	790 lbs.
Options:	Aluminum/Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Above Bed, Foot Activated Cart Stops

**ABOVE BED
GENERAL PURPOSE RAILGATE**

Model:	TVL-30A
Lifting Capacity:	3000 lbs.
Platform Size:	90"x42"
Ramp:	5"
Above Bed Lift:	Platform will travel 16" above bed to a maximum of 56" above ground
Lift Mechanism:	Leaf chain with case hardened sheaves
Sliders:	S3 x 5.7 I-Beam with UHMW wear pads
Lift Chain:	4 x 4 Leaf chain with 12,500 lb. tensile strength
Platform Closing:	Torsion assist closing with enclosed torsion bar
Controls:	Military spec toggle switch control
H-Frame:	7 gauge construction, 95" overall width
Lift Cylinder:	2.5" bore x 27" stroke, 1.38" cylinder rod
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor (enclosed from weather)
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

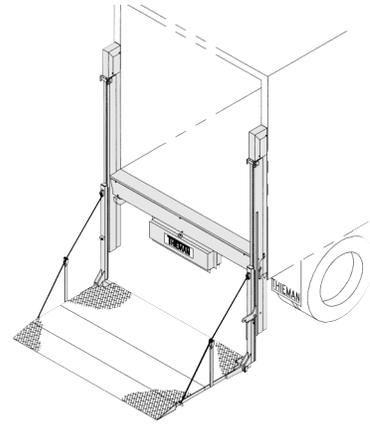


APPLICATION

TVL-30A:	Van Bodies and Flatbeds
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	32" to 46"
Installed Weight:	800 lbs.
Options:	Expanded Metal Platforms, Special Platform Sizes, Remote Pendant, In-Cab Shut Off, Light Kits, Bottle Gas Cage, 12" Aluminum Retention Ramp, Foot Activated Cart Stops

HEAVY-DUTY RAILGATE

Model:	VL-30
Lifting Capacity:	3000 lbs.
Platform Sizes:	90"x36", 90"x42", 90"x60" (Two-piece), or 90"x72" (Two-piece)
Ramp:	6" (9036/9042), 12" (9060/9072)
Lift Mechanism:	Cable and pulley with cable brake for added safety
Adjustments:	Adjustment to accommodate cable stretch
Closing:	Power close, cam activated
Cylinder:	3.5" bore x 30" stroke
Controls:	Military spec toggle switch control
Operation:	Gravity down, level ride
H-Frame:	3/8" high yield strength material
Enclosure:	Pre-assembled power unit enclosure
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

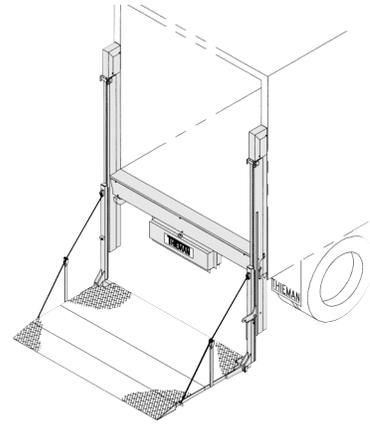


APPLICATION

VL-30:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	44" to 55"
Installed Weight:	1645 to 1805 lbs.
Options:	Remote Pendant, 102" Wide, 16" Aluminum Retention Ramp, 4" Automatic Cart Stop

HEAVY-DUTY RAILGATE

Model:	VL-40
Lifting Capacity:	4000 lbs.
Platform Sizes:	90"x36", 90"x42", 90"x60" (Two-piece), or 90"x72" (Two-piece)
Ramp:	6" (9036/9042), 12" (9060/9072)
Lift Mechanism:	Cable and pulley with cable brake for added safety
Adjustments:	Adjustment to accommodate cable stretch
Closing:	Power close, cam activated
Cylinder:	3.5" bore x 30" stroke
Controls:	Military spec toggle switch control
Operation:	Gravity down, level ride
H-Frame:	3/8" high yield strength material
Enclosure:	Pre-assembled power unit enclosure
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

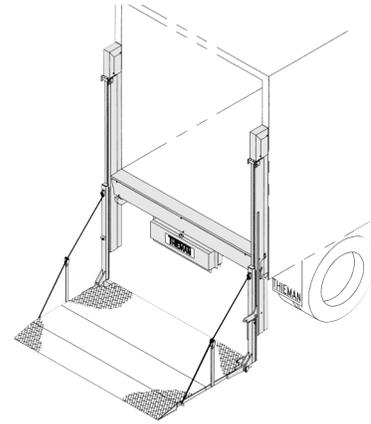


APPLICATION

VL-40:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	44" to 55"
Installed Weight:	1665 to 1825 lbs.
Options:	Remote Pendant, 102" Wide, 16" Aluminum Retention Ramp, 4" Automatic Cart Stop

HEAVY-DUTY RAILGATE

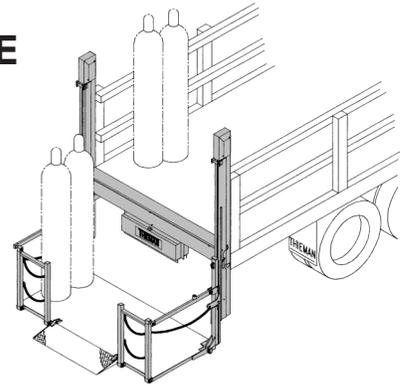
Model:	VL-50
Lifting Capacity:	5000 lbs.
Platform Sizes:	90"x36", 90"x42", 90"x60" (Two-piece), or 90"x72" (Two-piece)
Ramp:	6" (9036/9042), 12" (9060/9072)
Lift Mechanism:	Cable and pulley with cable brake for added safety
Adjustments:	Adjustment to accommodate cable stretch
Closing:	Power close, cam activated
Cylinder:	3.5" bore x 30" stroke
Controls:	Military spec toggle switch control
Operation:	Gravity down, level ride
H-Frame:	3/8" high yield strength material
Enclosure:	Pre-assembled power unit enclosure
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker



APPLICATION

VL-50:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	44" to 55"
Installed Weight:	1685 to 1845 lbs.
Options:	Remote Pendant, 102" Wide, 16" Aluminum Retention Ramp, 4" Automatic Cart Stop

**HEAVY-DUTY
BOTTLE GAS RAILGATE**

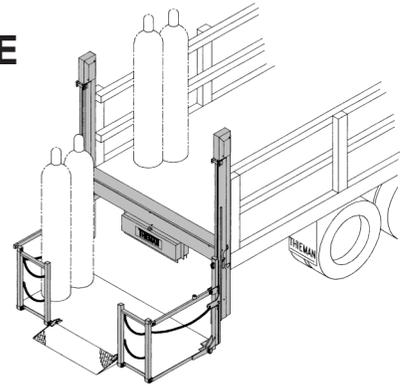


Model:	VLBG-30
Lifting Capacity:	3000 lbs.
Platform Sizes:	90"x36", 90"x42"
Ramp:	16"
Retention System:	Automatic folding retention cage
Lift Mechanism:	Cable and pulley with cable brake for added safety
Closing:	Power close, cam activated
Cylinder:	3.5" bore x 30" stroke
Controls:	Military spec toggle switch control
Operation:	Gravity down, level ride
H-Frame:	3/8" high yield strength material
Enclosure:	Pre-assembled power unit enclosure
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

VLBG-30:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	44" to 55"
Installed Weight:	1695 to 1714 lbs.
Options:	Remote Pendant, 102" Wide

HEAVY-DUTY BOTTLE GAS RAILGATE

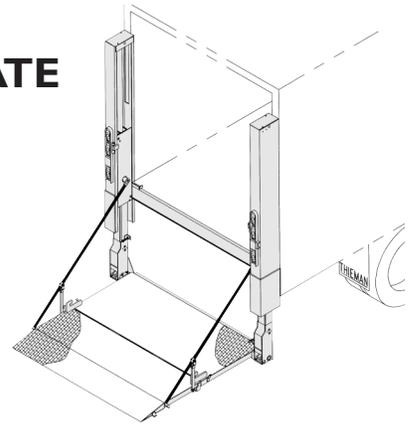


Model:	VLBG-40
Lifting Capacity:	4000 lbs.
Platform Sizes:	90"x36", 90"x42"
Ramp:	16"
Retention System:	Automatic folding retention cage
Lift Mechanism:	Cable and pulley with cable brake for added safety
Closing:	Power close, cam activated
Cylinder:	3.5" bore x 30" stroke
Controls:	Military spec toggle switch control
Operation:	Gravity down, level ride
H-Frame:	3/8" high yield strength material
Enclosure:	Pre-assembled power unit enclosure
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit breaker

APPLICATION

VLBG-40:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	44" to 55"
Installed Weight:	1710 to 1734 lbs.
Options:	Remote Pendant, 102" Wide

**HEAVY-DUTY
ALL-HYDRAULIC RAILGATE**

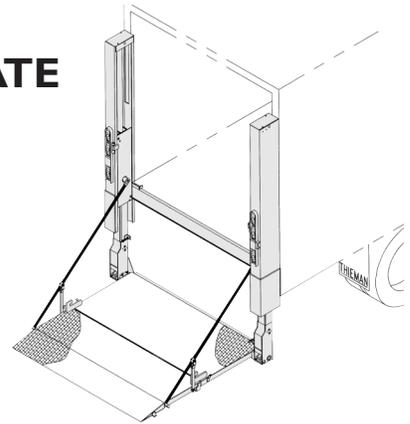


Model:	TDR-35
Lifting Capacity:	3500 lbs.
Platform Sizes:	80"x62", 80"x74" (All platforms are two-piece)
Ramp:	15" (8062/8074)
Lift Mechanism:	Dual cylinders
Platform:	Gravity open and power close controlled by dual hydraulic cylinders. Maintenance-free Teflon composite bushings at platform pivots (Greaseless)
Cylinder:	1.50" bore x 57" stroke
Controls:	Dual military spec toggle switch controls
Operation:	Gravity down, level ride
Lights:	Recessed light package in rail columns
Enclosure:	Power unit enclosure with slide out tray (Accommodates two batteries)
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit protection/Manual Disconnect

APPLICATION

TDR-35:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	40" to 60"
Installed Weight:	1500 to 1690 lbs.
Options:	Remote Pendant Control, Trailer Battery Kit, Straight Truck Battery Kit, Dock Seal Kit, Auxiliary Hand Pump, 102" Wide, 16" Aluminum Retention Ramp, Automatic Cart Stop, Power Down, Dual Pump & Motor

**HEAVY-DUTY
ALL-HYDRAULIC RAILGATE**

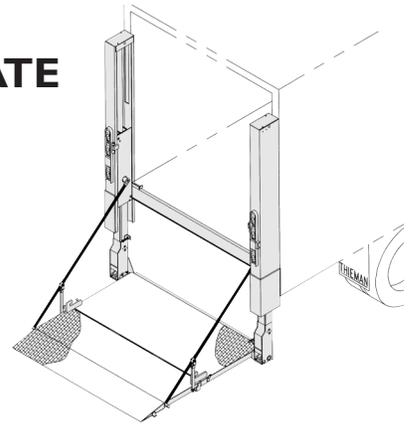


Model:	TDR-44
Lifting Capacity:	4400 lbs.
Platform Sizes:	80"x62", 80"x74", 80"x86" (All platforms are two-piece)
Ramp:	15" (8062/8074), No Ramp (8086)
Lift Mechanism:	Dual cylinders
Platform:	Gravity open and power close controlled by dual hydraulic cylinders. Maintenance-free Teflon composite bushings at platform pivots (Greaseless)
Cylinder:	2" bore x 57" stroke
Controls:	Dual military spec toggle switch controls
Operation:	Gravity down, level ride
Lights:	Recessed light package in rail columns
Safety:	Audible alarm and safety cut-off switch
Enclosure:	Power unit enclosure with slide out tray (Accommodates two batteries)
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit protection/Manual Disconnect

APPLICATION

TDR-44:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	40" to 60"
Installed Weight:	2340 to 2400 lbs.
Options:	Remote Pendant Control, Trailer Battery Kit, Straight Truck Battery Kit, Dock Seal Kit, Auxiliary Hand Pump, 102" Wide, 16" Aluminum Retention Ramp, Automatic Cart Stop, Power Down, Dual Pump & Motor

**HEAVY-DUTY
ALL-HYDRAULIC RAILGATE**

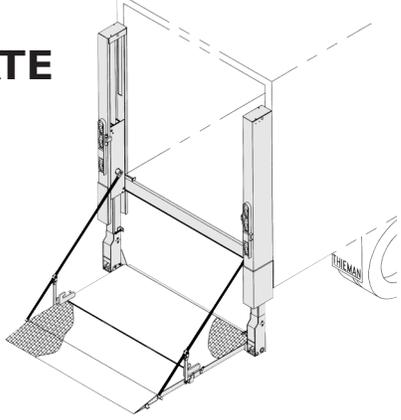


Model:	TDR-55
Lifting Capacity:	5500 lbs.
Platform Sizes:	80"x62", 80"x74", 80"x86" (All platforms are two-piece)
Ramp:	15" (8062/8074), No Ramp (8086)
Lift Mechanism:	Dual cylinders
Platform:	Gravity open and power close controlled by dual hydraulic cylinders. Maintenance-free Teflon composite bushings at platform pivots (Greaseless)
Cylinder:	2" bore x 57" stroke
Controls:	Dual military spec toggle switch controls
Operation:	Gravity down, level ride
Lights:	Recessed light package in rail columns
Safety:	Audible alarm and safety cut-off switch
Enclosure:	Power unit enclosure with slide out tray (Accommodates two batteries)
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit protection/Manual Disconnect

APPLICATION

TDR-55:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	40" to 60"
Installed Weight:	2385 to 2445 lbs.
Options:	Remote Pendant Control, Trailer Battery Kit, Straight Truck Battery Kit, Dock Seal Kit, Auxiliary Hand Pump, 102" Wide, 16" Aluminum Retention Ramp, Automatic Cart Stop, Power Down, Dual Pump & Motor

HEAVY-DUTY ALL-HYDRAULIC RAILGATE

Model:	TDR-66	
Lifting Capacity:	6600 lbs.	
Platform Sizes:	80"x62", 80"x74", 80"x86" (All platforms are two-piece)	
Ramp:	15" (8062/8074), No Ramp (8086)	
Lift Mechanism:	Dual cylinders	
Platform:	Gravity open and power close controlled by dual hydraulic cylinders. Maintenance-free Teflon composite bushings at platform pivots (Greaseless)	
Cylinder:	2" bore x 57" stroke	
Controls:	Dual military spec toggle switch controls	
Operation:	Gravity down, level ride	
Lights:	Recessed light package in rail columns	
Safety:	Audible alarm and safety cut-off switch	
Enclosure:	Power unit enclosure with slide out tray (Accommodates two batteries)	
Power Unit:	Electric hydraulic, Heavy-Duty 12 volt DC motor	
Electrical:	Meets all TMC electrical requirements, includes 150 amp circuit protection/Manual Disconnect	

APPLICATION

TDR-66:	Van Bodies, Flatbeds, and Trailers
Travel Position:	Platform stores in vertical position at rear of vehicle
Bed Height Range:	40" to 60"
Installed Weight:	2430 to 2490 lbs.
Options:	Remote Pendant Control, Trailer Battery Kit, Straight Truck Battery Kit, Dock Seal Kit, Auxiliary Hand Pump, 102" Wide, 16" Aluminum Retention Ramp, Automatic Cart Stop, Power Down, Dual Pump & Motor

Questions To Ask When Specifying A Liftgate

1. *How large is the cargo that will be handled?*

Make sure the load area of the platform is large enough to carry the cargo.

2. *How much does the cargo weigh?*

Include the weight of handling devices.

3. *Will the vehicle be used for dock loading?*

Stowaways work most conveniently for dock loading. Railgates can also be used for dock loading applications.

4. *What is the bed height of the vehicle?*

Make sure the liftgate you have selected has a bed height range that matches the actual bed height of the vehicle.

Note: TVL railgates are recommended for vehicles with low bed heights

5. *If a Stowaway or Conventional model is being considered, is there enough room behind the rear spring hanger to mount the liftgate to the frame?*

Frame mounted lifts require 22" to 37.25" depending on the model selected and the bed height of the body.

6. *Are the truck doors roll-up or swing type?*

Swing door hardware may interfere with the liftgate installation.

7. *How often will the lift be used?*

Some applications require extensive use and may require heavy duty electrical components.

8. *Will the vehicle be used for towing?*

Railgates are ideal for towing applications. **THIEMAN** Toplifter models come standard with a 5000 lb. towing bumper.

9. *What material handling devices will be used?*

If a pallet jack or cart will be used to handle heavy cargo, the platform may require a heavy duty reinforced surface to support high point loading.

CONTACT OUR FACTORY FOR SPECIAL OR CUSTOM APPLICATIONS.

THIEMAN

TAILGATES, INC.



The logo for Thieman Tailgates, Inc. features the word "THIEMAN" in a bold, blue, sans-serif font. Above the letters "T", "H", and "I" are two horizontal blue bars. Below "THIEMAN" is the text "TAILGATES, INC." in a smaller, blue, sans-serif font.

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