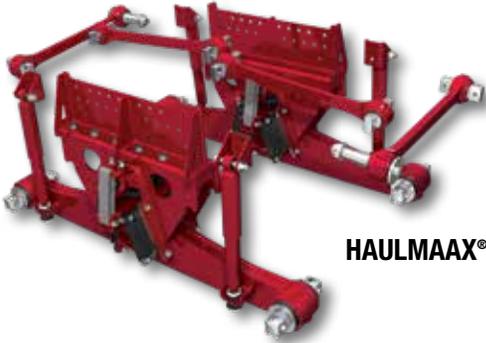
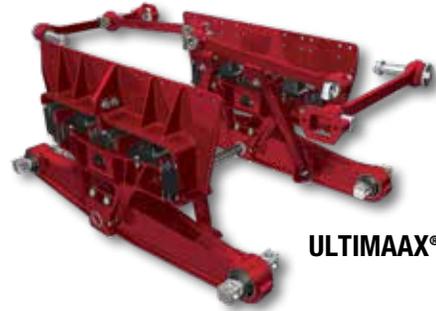




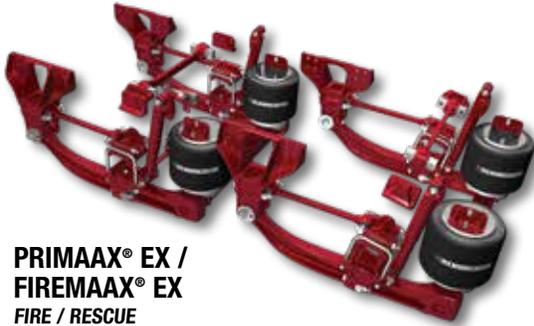
Value, performance and reliability established around the world



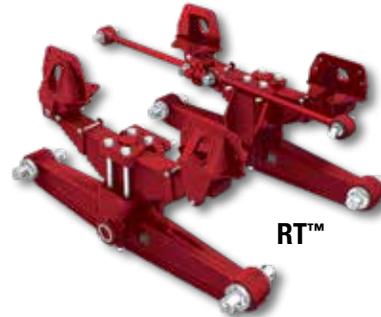
HAULMAX[®] EX



ULTIMAX[®]



**PRIMAX[®] EX /
FIREMAX[®] EX**
FIRE / RESCUE



RT[™]



ROADMAX[®]
FIRE / RESCUE



HAS[™]



R[™] / RS[™]

**Available above 70,000 lbs.*

Rear Vocational Suspension Application Summary - United States & Canada

Hendrickson offers a series of suspensions for a wide variety of vocational truck application requirements and performance preferences. The following matrix illustrates which suspensions are approved by Hendrickson for use in the respective general applications. See the additional charts starting on page 6 for further information.

Application ¹		Hendrickson Suspension System ³							
		HAS	PAX EX	HMX EX	R / RS	RT	UMX	FMX EX	RDMX
		Approved Percentage Off-Highway							
		Up to 25%	100%	100%	100%	100%	100%	N/A	N/A
Vocational	Beverage	X	X	X					
	Building Materials Supply	X	X	X ^{4,5}					
	Crane / Boom		X	X ⁸					
	Dump	X	X	X		X ⁷	X		
	Logging	X	X	X ⁵			X		
	Mining		X	X	X		X		
	Mixer (Concrete) - Front Discharge		X	X			X		
	Mixer (Concrete) - Rear Discharge		X	X			X		
	Municipal	X	X	X ⁶		X	X		
	Oil Field		X	X	X	X ⁷	X		
	Pumper (Concrete)		X	X ⁸			X		
	Refuse - Front Loader		X	X			X		
	Refuse - Rear Loader		X	X			X		
	Refuse - Side Loader		X	X			X		
	Roll-Off Containers		X	X ⁵			X		
	Tank (Milk)	X	X	X		X	X		
	Tank Truck (Fuel, Water, Dry Bulk)	X	X	X			X		
	Tank (Airport Refueler)				X				
	Tractor (On-Highway)	X	X						
	Tractor (Heavy-Haul)	X	X	X		X ⁷	X		
Utility ⁹	X	X	X ^{5,8}			X			
Fire / Rescue	Aerial / Ladder / Fire / Pumper (Emergency)			X			X	X	X
	Rescue / Tanker (Emergency)	X		X			X	X	

**PAX EX = PRIMAAX® EX, HMX EX = HAULMAAX® EX, UMX = ULTIMAAX®,
FMX EX = FIREMAAX® EX, RDMX = ROADMAAX® FIRE / RESCUE**

- Note that table above represents general applications and may not apply for specific applications.
- For additional capacities, please contact Hendrickson at 630-910-2800, or visit hendrickson-intl.com.
- Other Hendrickson suspensions may be available upon request, per Hendrickson Engineering approval.
- Not recommended for forklift mounted behind center of tandem suspension.
- Shocks required in this application.

- Not recommended for vehicles with crash cushion attenuator.
- RT™ suspensions must be equipped with rubber center bushings and transverse torque rods for Central and South American applications.
- Dual rebound straps required for outrigger applications.
- Utility applications include, but are not limited to: digger derricks, bucket trucks and pole setters.

PRIMAAX® EX & FIREMAAX® EX Fire / Rescue

- Ideal for heavy-haul, dump, logging, refuse, mixer, building / material supply and crane applications
- FIREMAAX® EX variant for fire and rescue applications
- Optimized configuration helps improve handling and roll stiffness for expanded applications
- Axle connection and torque rods help reduce torsional axle stress and driveline vibration
- Large-volume, low-frequency air springs provide a smooth ride for on- and off-highway usage
- Up to 12.5 in. of diagonal wheel articulation for superior mobility
- Approved for 100 percent off-highway use
- Packages with Drum & Air Disc Brakes for 23,000 and 26,000 lb. axles.
- PRIMAAX® EX capacities of 23,000 and 26,000 lbs. (single), 46,000 and 52,000 lbs. (tandem) and 69,000 and 78,000 lbs. (tridem)
- FIREMAAX EX capacities of 24,000, 27,000 and 31,000 lbs. (single) and 48,000, 54,000 and 62,000 lbs. (tandem)



CAPACITY (lbs.)	AVAILABLE RIDE HEIGHTS	AXLE SPACING
23,000	8.5" - 15.5"	N/A
26,000	8.5" - 15.5"	N/A
46,000	8.5" - 15.5"	52", 54", 60", 72.5"
52,000	8.5" - 15.5"	54", 60", 72.5"
69,000	8.5" - 15.5"	52", 54", 60", 72.5"
78,000	8.5" - 15.5"	54", 60", 72.5"

HAS™



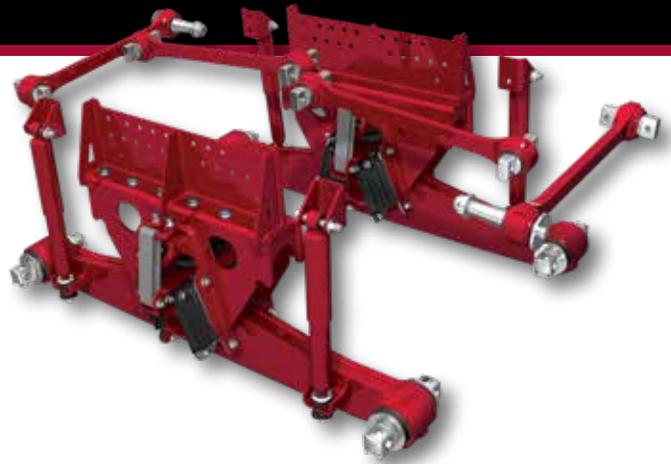
- Suited for both on- and off-highway applications
- Excellent ride quality
- Approved for up to 25 percent off-highway use
- Approved for use with lift axles
- Optional inboard shocks available
- Available with Air Disc Brake compatibility
- Capacities of 21,000 and 23,000 lbs. (single) and 40,000 and 46,000 lbs. (tandem)

CAPACITY* (lbs.)	AVAILABLE RIDE HEIGHTS	AXLE SPACING
21,000	8.5" - 10.5"	N/A
23,000	8.5" - 10.5"	N/A
40,000	8.5" - 10.5"	52", 54", 55", 60", 72.5"
46,000	8.5" - 10.5"	52", 54", 55", 60", 72.5"

* For higher capacity ratings, contact Hendrickson Engineering.

HAULMAAX® EX

- Hundreds of pounds lighter than competitive suspensions
- Increased job site rating for expanded applications
- Superior combination of empty ride and loaded stability
- Improved durability through advanced elastomer technology
- Reduced maintenance due to optimized geometry and lubrication-free components
- Up to 17 in. of diagonal articulation for greater mobility*
- 315 tire clearance
- Recommended applications: dump, refuse, mixer, logging, crane / boom
- Capacities of 40,000, 46,000 and 52,000 lbs.**



CAPACITY* (lbs.)	AVAILABLE RIDE HEIGHTS	AXLE SPACING
40,000	9.5", 10.5", 11.5", 13.25"	52", 54"
46,000	9.5", 10.5", 11.5", 13.25"	52", 54", 60", 72.5"
52,000	9.5", 10.5", 11.5", 13.25"	52", 54", 60"

* Suspension articulation may exceed vehicle capability and may be limited by vehicle manufacturer; vehicle manufacturer-installed axle stops may restrict suspension articulation.

** Additional capacities available for Emergency applications.

R™ / RS™

- Recommended for mining, oil field and other specialty applications
- R™ solid mount is an extra heavy-duty suspension where maximum roll stability is essential
- RS™ rubber-loaded cushions absorb shock and provide high roll stability for severe-service applications
- Available in capacities of 85,000, 100,000 and 120,000+ lbs.

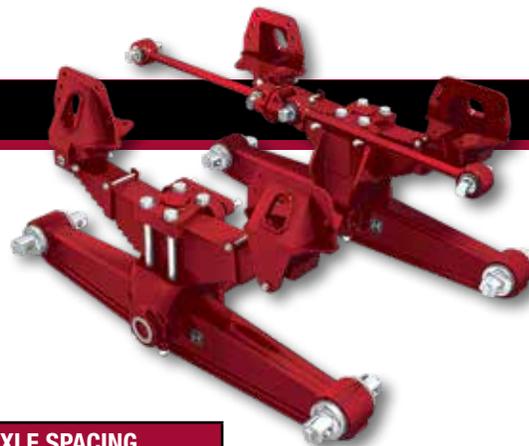


CAPACITY (lbs.)	AVAILABLE SADDLE HEIGHTS*	AXLE SPACING
85,000	17.25", 18.5", 20.25", 25"	56", 58", 60", 64", 72", 75"
100,000	20.7", 22.88", 23.9", 27.88", 28.4"	64", 80"
120,000+	Contact Hendrickson	64", 80"

* Suspension articulation may exceed vehicle capability and may be limited by vehicle manufacturer; vehicle manufacturer-installed axle stops may restrict suspension articulation.

RT™

- Equalizing beams distribute loads equally between both axles for improved traction
- Consistent spring rate for longer spring life
- Well suited for dump, municipal, oil field and other specialty applications
- Engineered with low-maintenance bushings and spring assemblies

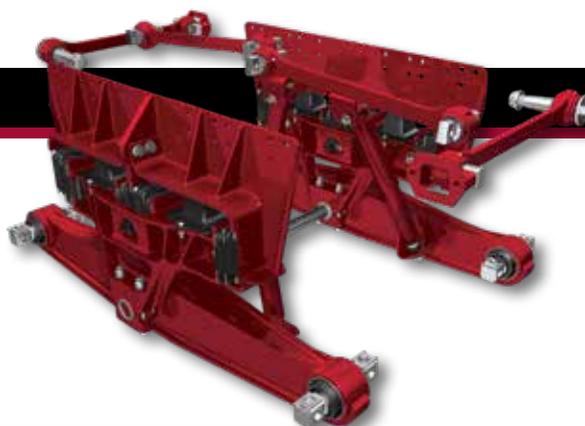


CAPACITY (lbs.)	AVAILABLE RIDE HEIGHTS	AXLE SPACING
40,000	9.45", 9.64", 10", 13.45"	52", 54"
46,000	10", 11.20", 11.94"	52"*, 54"*

* Heavy-duty beam option available.

ULTIMAAX®

- Recommended for mining, refuse, logging and other specialty applications
- Lightweight design for additional payload and route consolidation
- Reduced maintenance with fewer bushings and no lubrication requirements
- Up to 17.5 in. of diagonal articulation*
- Capable of handling severe loads in tough conditions
- Capacities of 46,000, 52,000, 60,000 and 70,000 lbs.**



CAPACITY** (lbs.)	AVAILABLE RIDE HEIGHTS	AXLE SPACING
46,000	9.5" - 13"	52", 54", 56", 60"
52,000	9.5" - 13"	52", 54", 56", 60"
60,000	9.5" - 13"	54", 56", 60"
70,000	12"+	56", 60"

* Suspension articulation may exceed vehicle capability and may be limited by vehicle manufacturer; vehicle manufacturer-installed axle stops may restrict suspension articulation.

** Additional capacities available for Emergency applications. For higher capacity ratings, contact Hendrickson Engineering

ROADMAAX® Fire / Rescue

- Designed specifically for heavy-duty fire and rescue markets
- Ride quality and equipment protection are its cornerstone features
- Enhanced stability, handling and ride quality, even in challenging environments where vehicles encounter sharp turns and unexpected ground and environmental conditions
- Capacities of 35,000 (single) and 70,000 lbs. (tandem)



CAPACITY (lbs.)	AVAILABLE RIDE HEIGHTS	AXLE SPACING
35,000	8.25" - 12"	N/A
70,000	8.25" - 12"	Up to 72"

		TRUCK				TRACTOR			
Application ¹	Suspension Capacity ² (lbs.)	Recommended		Optional ³		Recommended		Optional ³	
		Air	Rubber / Mechanical	Air	Rubber / Mechanical	Air	Rubber / Mechanical	Air	Rubber / Mechanical
Beverage	20,000	HAS		PAX EX	Contact Hendrickson	HAS	Contact Hendrickson	PAX EX	Contact Hendrickson
	23,000	HAS		PAX EX		HAS		PAX EX	
	26,000	PAX EX				PAX EX			
	40,000	HAS	HMX EX	PAX EX		HAS		PAX EX	
	46,000	HAS	HMX EX	PAX EX		HAS		PAX EX	
	52,000	PAX EX	HMX EX			PAX EX			
Building Materials / Flatbed	23,000	PAX EX		HAS	Contact Hendrickson	PAX EX		HAS	Contact Hendrickson
	26,000	PAX EX				PAX EX			
	40,000	PAX EX	HMX EX ^{4,5}	HAS		PAX EX	HMX EX ⁵	HAS	
	46,000	PAX EX	HMX EX ^{4,5}	HAS		PAX EX	HMX EX ⁵	HAS	
	52,000	PAX EX	HMX EX ^{4,5}			PAX EX	HMX EX ⁵		
Crane / Boom	40,000	PAX EX	HMX EX ⁹		Contact Hendrickson	PAX EX	Contact Hendrickson		Contact Hendrickson
	46,000	PAX EX	HMX EX ⁹			PAX EX			
	52,000	PAX EX	HMX EX ⁹			PAX EX			
Dump	20,000	PAX EX		HAS		PAX EX		HAS	
	23,000	PAX EX		HAS		PAX EX		HAS	
	26,000	PAX EX				PAX EX			
	40,000	PAX EX	HMX EX	HAS		PAX EX	HMX EX ⁵	HAS	RT ⁸
	46,000	PAX EX	HMX EX	HAS	UMX	PAX EX	UMX	HAS	HMX EX ⁵
	52,000	PAX EX	HMX EX		UMX	PAX EX	UMX		HMX EX ⁵
	60,000		UMX				UMX		
	69,000 ⁶	PAX EX				PAX EX			
	70,000		UMX				UMX		
78,000 ⁶	PAX EX				PAX EX				
Logging	40,000	PAX EX	HMX EX ⁵	HAS		PAX EX	HMX EX ⁵	HAS	Contact Hendrickson
	46,000	PAX EX	HMX EX ⁵	HAS	UMX	PAX EX	HMX EX ⁵	HAS	
	52,000	PAX EX	HMX EX ⁵		UMX	PAX EX	UMX		
Mining	46,000		UMX	PAX EX	HMX EX	Contact Hendrickson	Contact Hendrickson	Contact Hendrickson	
	52,000		UMX	PAX EX	HMX EX				
	60,000		UMX						
	70,000		UMX						
	85,000		R		RS				
Mixer (Concrete) Front Discharge	40,000	PAX EX	HMX EX			Contact Hendrickson	Contact Hendrickson	Contact Hendrickson	
	46,000	PAX EX	HMX EX		UMX				
	50,000	PAX EX							
	52,000	PAX EX	HMX EX		UMX				
	69,000 ⁶	PAX EX							
	78,000 ⁶	PAX EX							
Mixer (Concrete) Rear Discharge	23,000	PAX EX				PAX EX			
	26,000	PAX EX				PAX EX			
	40,000	PAX EX	HMX EX			PAX EX	HMX EX ⁵	RT	
	46,000	PAX EX	HMX EX		UMX	PAX EX	HMX EX ⁵	UMX	
	50,000	PAX EX	HMX EX		UMX	PAX EX	UMX	HMX EX ⁵	
	52,000	PAX EX	HMX EX		UMX	PAX EX	UMX	HMX EX ⁵	
	69,000 ⁶	PAX EX				PAX EX			
	78,000 ⁶	PAX EX				PAX EX			
Municipal	20,000	PAX EX		HAS		Contact Hendrickson	Contact Hendrickson	Contact Hendrickson	
	23,000	PAX EX		HAS					
	40,000	PAX EX	HMX EX ⁷	HAS	UMX				
	46,000	PAX EX	HMX EX ⁷	HAS	UMX				
	52,000	PAX EX	HMX EX ⁷		UMX				

Reference notes on page 8

		TRUCK				TRACTOR			
Application ¹	Suspension Capacity ² (lbs.)	Recommended		Optional ³		Recommended		Optional ³	
		Air	Rubber / Mechanical	Air	Rubber / Mechanical	Air	Rubber / Mechanical	Air	Rubber / Mechanical
Oil Field	23,000	PAX EX				PAX EX			
	26,000	PAX EX				PAX EX			
	40,000	PAX EX	HMX EX		UMX	PAX EX	HMX EX ⁵		RT
	46,000	PAX EX	HMX EX		UMX	PAX EX	HMX EX ⁵		UMX
	52,000	PAX EX	HMX EX		UMX	PAX EX	UMX		HMX EX ⁵
	60,000		UMX				UMX		
	69,000 ⁶	PAX EX				PAX EX			
	70,000		UMX				UMX		
	78,000 ⁶	PAX EX				PAX EX			
	85,000		R		RS		R		RS
100,000		R		RS		R		RS	
Pumper (Concrete)	40,000	PAX EX	HMX EX ⁹			Contact Hendrickson	Contact Hendrickson		
	46,000	PAX EX	HMX EX ⁹		UMX				
	52,000	PAX EX	HMX EX ⁹		UMX				
	69,000 ⁶	PAX EX							
	78,000 ⁶	PAX EX							
Refuse – Front Loader	23,000	PAX EX				Contact Hendrickson	Contact Hendrickson		
	26,000	PAX EX							
	40,000	PAX EX	HMX EX						
	46,000	PAX EX	HMX EX		UMX				
	52,000	PAX EX	UMX		HMX EX				
Refuse – Rear Loader	23,000	PAX EX				Contact Hendrickson	Contact Hendrickson		
	26,000	PAX EX							
	40,000	PAX EX	HMX EX						
	46,000	PAX EX	HMX EX		UMX				
	52,000	PAX EX	HMX EX		UMX				
	60,000		UMX						
Refuse – Side Loader	40,000	PAX EX	HMX EX			Contact Hendrickson	Contact Hendrickson		
	46,000	PAX EX	HMX EX		UMX				
	52,000	PAX EX	HMX EX		UMX				
Roll-Off Containers	40,000	PAX EX	HMX EX ⁶			Contact Hendrickson	Contact Hendrickson		
	46,000	PAX EX	HMX EX ⁶		UMX				
	52,000	PAX EX	HMX EX ⁶		UMX				
	60,000		UMX						
Tank (Milk)	40,000	PAX EX	HMX EX	HAS		PAX EX	HMX EX ⁵		RT
	46,000	PAX EX	HMX EX	HAS	UMX	PAX EX	HMX EX ⁵		UMX
	52,000	PAX EX	HMX EX		UMX	PAX EX	UMX		HMX EX ⁵
Tank (Fuel, Water and Dry Bulk)	20,000	PAX EX		HAS		HAS		PAX EX	
	23,000	PAX EX		HAS		HAS		PAX EX	
	26,000	PAX EX				PAX EX			
	40,000	PAX EX	HMX EX	HAS	UMX	HAS		PAX EX	
	46,000	PAX EX	HMX EX	HAS	UMX	HAS	HMX EX ⁵	PAX EX	UMX
	52,000	PAX EX	HMX EX		UMX	PAX EX	UMX		HMX EX ⁶
Tanker (Airport Refueler)	85,000		R		RS	Contact Hendrickson	Contact Hendrickson		
	110,000		R		RS				
	120,000		R		RS				
Tractor (On-Highway)	20,000	Contact Hendrickson	Contact Hendrickson	Contact Hendrickson	Contact Hendrickson	Contact Hendrickson	Contact Hendrickson	PAX EX	Contact Hendrickson
	23,000							PAX EX	
	40,000							PAX EX	
	46,000							PAX EX	

Reference notes on page 8

Application ¹	Suspension Capacity ² (lbs.)	TRUCK				TRACTOR			
		Recommended		Optional ³		Recommended		Optional ³	
		Air	Rubber / Mechanical	Air	Rubber / Mechanical	Air	Rubber / Mechanical	Air	Rubber / Mechanical
Tractor (Heavy-Haul)	20,000	Contact Hendrickson			Contact Hendrickson	PAX EX		HAS	
	23,000					PAX EX		HAS	
	26,000					PAX EX			
	40,000					PAX EX	HMX EX ^{5,7,9}	HAS	RT ⁸
	46,000					PAX EX	HMX EX ^{5,7,9}	HAS	UMX
	52,000					PAX EX	UMX		HMX EX ⁵
	70,000								UMX
Utility ¹⁰	20,000	PAX EX		HAS		Contact Hendrickson	Contact Hendrickson		
	23,000	PAX EX		HAS					
	40,000	PAX EX	HMX EX ^{5,7,9}	HAS	UMX				
	46,000	PAX EX	HMX EX ^{5,7,9}	HAS	UMX				
	52,000	PAX EX	UMX		HMX EX ^{5,7,9}				
Aerial / Ladder / Fire / Pumper (Emergency)	31,000	FMX EX				FMX EX			
	35,000	RDMX				RDMX			
	42,000	FMX EX	RT						
	48,000	FMX EX	RT			FMX EX	RT		
	54,000	FMX EX	RT						
	58,000	FMX EX							
	62,000	FMX EX							
	63,000	RDMX							
	70,000	RDMX							
Rescue / Tanker (Emergency)	21,000	FMX EX		HAS		Contact Hendrickson	Contact Hendrickson		
	24,000	FMX EX							
	27,000	FMX EX							
	31,000	FMX EX							
	42,000	FMX EX	RT						
	48,000	FMX EX	RT						
	54,000	FMX EX	RT						

HMX EX = HAULMAAX® EX, PAX EX = PRIMAAX® EX, UMX = ULTIMAAX®, FMX EX = FIREMAAX® EX, RDMX = ROADMAAX® FIRE / RESCUE

Single-, Tandem- and Tridem-axle Vocational Suspension Chart

Application ¹	SUSPENSION CAPACITY ² (lbs.)	RECOMMENDED SUSPENSION
Vocational	23,000 single	PRIMAAX® EX
	26,000 single	PRIMAAX EX
	46,000 tandem	PRIMAAX EX
	52,000 tandem	PRIMAAX EX
	69,000 tridem	PRIMAAX EX
	78,000 tridem	PRIMAAX EX
Emergency	24,000 single	FIREMAAX® EX
	27,000 single	FIREMAAX EX
	31,000 single	FIREMAAX EX
	35,000 single	ROADMAAX® Fire / Rescue
	48,000 tandem	FIREMAAX EX
	54,000 tandem	FIREMAAX EX
	62,000 tandem	FIREMAAX EX
	63,000 tandem	ROADMAAX Fire / Rescue
	70,000 tandem	ROADMAAX Fire / Rescue

- Note that table above represents general applications and may not apply for specific applications.
- For additional capacities, please contact Hendrickson at 630-910-2800, or visit hendrickson-intl.com.
- Other Hendrickson suspensions may be available upon request, per Hendrickson Engineering approval.
- Not recommended for forklift mounted behind center of tandem suspension.
- Shocks required in this application.
- Rear Tri-Drive.
- Not recommended for vehicles with crash cushion attenuator.
- RT™ suspensions must be equipped with rubber center bushings and transverse torque rods for Central and South American applications.
- Dual rebound straps required for outrigger applications.
- Utility applications include, but are not limited to: digger derricks, bucket trucks and pole setters.

These products are covered by at least one or more U.S. and / or foreign patents and / or pending U.S. and / or foreign patent applications. See Hendrickson for details.

Actual product performance may vary depending upon vehicle configuration, operation, service and other factors.

All applications must comply with applicable Hendrickson specifications and must be approved by the respective vehicle manufacturer with the vehicle in its original, as-built configuration.

Contact Hendrickson for additional details regarding specifications, applications, capacities, operation, service and maintenance instructions.

Call Hendrickson at 630.910.2800 or 855.RIDERED (743.3733) for additional information.



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