

HENDRICKSON USE ONLY

H[®] ORDERING GUIDE

VANTRAAX[®] SLIDER SUSPENSION

LIT NO: L544

DATE: November 2011

REVISION: R

FORM INSTRUCTIONS:

For price and model number information on a VANTRAAX[®] slider suspension system, fax this completed form to 800.696.4416 in the U.S. or 905.789.1033 in Canada. For additional assistance, please call toll-free 866.RIDEAIR (743.3247) in the U.S. or 800.668.5360 in Canada.

| | | |
|--------------|---------------|----------------------|
| TO: | FROM: | COMPANY NAME: |
| DATE: | PHONE: | FAX: |

| | |
|-----------------|----------------|
| SAME AS: | EXCEPT: |
|-----------------|----------------|

SLIDER/SUSPENSION

| AXLE ARRANGEMENT: | <input type="checkbox"/> SINGLE | | <input type="checkbox"/> TANDEM | | | | | <input type="checkbox"/> TRIDEM | |
|-------------------------------------|--|--|--|--|---|--|---|---|--|
| RAMP-READY: | No | | <input type="checkbox"/> No | | | | | <input type="checkbox"/> Yes | No |
| SLIDER MODEL: | <input type="checkbox"/> HKANT 23K ¹ | <input type="checkbox"/> HKANL 23K ^{1,2,3} | <input type="checkbox"/> HKANT 40K | <input type="checkbox"/> HKANT 46K | | <input type="checkbox"/> HKAT 50K | <input type="checkbox"/> HKAL 46K | <input type="checkbox"/> HKARL 46K | <input type="checkbox"/> HKAT 69K23 <input type="checkbox"/> HKAT 69K25 |
| AXLE SPREAD: | N/A | N/A | <input type="checkbox"/> 49" | <input type="checkbox"/> 49" | <input type="checkbox"/> 121" | <input type="checkbox"/> 49" | <input type="checkbox"/> 49" | <input type="checkbox"/> 49" | <input type="checkbox"/> 60" <input type="checkbox"/> 72" |
| RIDE HEIGHT: | <input type="checkbox"/> 16" <input type="checkbox"/> 17" | <input type="checkbox"/> 17" | <input type="checkbox"/> 16" <input type="checkbox"/> 17" | <input type="checkbox"/> 16" <input type="checkbox"/> 17" | <input type="checkbox"/> 16" <input type="checkbox"/> 17" | <input type="checkbox"/> 16" <input type="checkbox"/> 18" <input type="checkbox"/> 17" <input type="checkbox"/> 19" | <input type="checkbox"/> 10" <input type="checkbox"/> 11" | <input type="checkbox"/> 10" <input type="checkbox"/> 11" | <input type="checkbox"/> 16" <input type="checkbox"/> 18" <input type="checkbox"/> 17" |
| BOX WIDTH / AXLE TRACK ⁴ | <input type="checkbox"/> 42" / 71.5" <input type="checkbox"/> 48" / 77.5" <input type="checkbox"/> 54" / 83.5" | <input type="checkbox"/> 42" / 71.5" <input type="checkbox"/> 48" / 77.5" <input type="checkbox"/> 54" / 83.5" | <input type="checkbox"/> 42" / 71.5" <input type="checkbox"/> 48" / 77.5" <input type="checkbox"/> 54" / 83.5" | <input type="checkbox"/> 42" / 71.5" <input type="checkbox"/> 48" / 77.5" <input type="checkbox"/> 54" / 83.5" | <input type="checkbox"/> 48" / 77.5" <input type="checkbox"/> 54" / 83.5" | <input type="checkbox"/> 42" / 71.5" <input type="checkbox"/> 48" / 77.5" | <input type="checkbox"/> 42" / 71.5" <input type="checkbox"/> 48" / 77.5" | <input type="checkbox"/> 48" / 77.5" | <input type="checkbox"/> 42" / 71.5" <input type="checkbox"/> 48" / 77.5" <input type="checkbox"/> 54" / 83.5" |
| PRE-ALIGNED: | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> Yes |
| SLIDER PIN EXTRACTOR: | <input type="checkbox"/> QUIK-DRAW [®] <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve | <input type="checkbox"/> QUIK-DRAW <input type="checkbox"/> QUIK-DRAW No Valve |

1. HKANT 23K and HKANL 23K models are not available in "high control" for single-axle, multi-trailer applications.
2. Additional clearance above the tires may be required.
3. Trailer body rails must be able to support the lifted VANTRAAX system.
4. Refer to L864 — *Wide Base Tire Configuration Bulletin* for track / wheel recommendations.



SLIDER/SUSPENSION (CONTINUED)

| | | | |
|-------------------------------------|---|---|---|
| BODY RAIL STYLE⁵: | <input type="checkbox"/> 1.375" x 6" HC | <input type="checkbox"/> 1.625" x 4" HC | <input type="checkbox"/> 1.375" x 4" HC (TTMA) |
| SLIDER BOX SHIMS: | <input type="checkbox"/> No | <input type="checkbox"/> Standard | <input type="checkbox"/> Thick |
| SHOCK STRAPS: | <input type="checkbox"/> No | <input type="checkbox"/> Yes | |
| HCV PRE-INSTALLED: | <input type="checkbox"/> No | <input type="checkbox"/> Yes | |
| INTEGRAL DUMP: | <input type="checkbox"/> No | <input type="checkbox"/> Yes | |
| WALK / DROP SOLUTIONS: | <input type="checkbox"/> No | <input type="checkbox"/> SURELOK [®] Installed | <input type="checkbox"/> SURELOK Capable (HKANT & HKAT Models Only) <input type="checkbox"/> DST [™] |
| SURELOK AIR KIT: | <input type="checkbox"/> N/A <input type="checkbox"/> No Valve Included (Order Valve Separately) | <input type="checkbox"/> Manual Bypass | <input type="checkbox"/> Manual Bypass with Dump |
| SURFACE COATING: | <input type="checkbox"/> Standard Black Primer | <input type="checkbox"/> Finished Black Soft Coat | <input type="checkbox"/> Finished Gray Soft Coat |
| AIR TANK BRACKET: | <input type="checkbox"/> No | <input type="checkbox"/> Yes (Standard Location) | <input type="checkbox"/> Yes (Optional Location — Contact CSR For Details) |

AXLE

| | | |
|---|-----------------------------------|---|
| SPINDLE: | <input type="checkbox"/> HN | <input type="checkbox"/> HP |
| AXLE WALL: | <input type="checkbox"/> Standard | <input type="checkbox"/> Heavy Duty (Limited Availability by Model) |
| TIRE INFLATION SYSTEM⁶: | <input type="checkbox"/> No | <input type="checkbox"/> TIREMAAX [®] CP (Complete Worksheet on Page 4) <input type="checkbox"/> TIREMAAX [®] PRO (Complete Worksheet on Page 4) <input type="checkbox"/> 3-Hole Prep |

BRAKES

| | | |
|-----------------------------|--|---|
| BRAKE TYPE: | <input type="checkbox"/> Drum | <input type="checkbox"/> Air Disc (Complete L895 – Air Disc Brake Ordering Guide) |
| BRAKE SIZE: | <input type="checkbox"/> 16.5" x 7" | <input type="checkbox"/> 16.5" x 7" HXS [®] <input type="checkbox"/> 16.5" x 8-5/8" HXS |
| BRAKE SHOE / LINING: | <input type="checkbox"/> Abex 3030-197 | <input type="checkbox"/> Abex 931-162 <input type="checkbox"/> Hendrickson ULTRAA 20 [™] <input type="checkbox"/> Abex NAB 456 |
| S-CAM: | <input type="checkbox"/> 28 Spline | <input type="checkbox"/> 10 Spline |
| DUST SHIELD: | <input type="checkbox"/> No | <input type="checkbox"/> Yes |
| ABS SENSOR: | <input type="checkbox"/> No | <input type="checkbox"/> Haldex 19.7" <input type="checkbox"/> Wabco 15.7" <input type="checkbox"/> Bendix 15.7" |
| ABS SENSOR LOCATION: | Single: | <input type="checkbox"/> None <input type="checkbox"/> 2 |
| | Tandem: | <input type="checkbox"/> None <input type="checkbox"/> 2 – Front <input type="checkbox"/> 2 – Rear <input type="checkbox"/> 4 – Both |
| | Tridem: | <input type="checkbox"/> None <input type="checkbox"/> 2 – Front <input type="checkbox"/> 2 – Middle <input type="checkbox"/> 2 – Rear <input type="checkbox"/> 4 – Front and Middle <input type="checkbox"/> 4 – Front and Rear <input type="checkbox"/> 4 – Middle and Rear <input type="checkbox"/> 6 – All |



ARE YOU ORDERING WHEEL-END OPTIONS? No (Complete Remainder of Page 2 and Go to Page 4) Yes (Go to Page 3)

| | | | |
|--------------------------------|-----------------------------|--|--|
| BRAKE CHAMBER: | <input type="checkbox"/> No | <input type="checkbox"/> Standard 30/30, 2.5" Stroke | <input type="checkbox"/> Other: |
| BRAKE CHAMBER WARRANTY: | <input type="checkbox"/> No | <input type="checkbox"/> Standard (4-Year Limited) | <input type="checkbox"/> Extended Life (6-Year Limited) |
| BRAKE ADJUSTER: | <input type="checkbox"/> No | <input type="checkbox"/> Standard 5.5" | <input type="checkbox"/> Standard 6.0" <input type="checkbox"/> Other: |
| SPINDLE NUT: | <input type="checkbox"/> No | <input type="checkbox"/> Standard 3-Piece Nut | |

5. Information purposes only; Hendrickson does not supply body rails.

6. Hendrickson does not provide warranty coverage for the installation, performance or components of a competitor brand tire inflation system installed on a Hendrickson suspension. Any consequential damages to the Hendrickson suspension resulting from a failure to the competitor brand tire inflation system or components, whether installed by the OEM, repair facility or end-user customer, should be directed to the respective tire inflation system manufacturer for warranty coverage.

| | <input type="checkbox"/> Standard Service (1-Year Limited Warranty ⁸) | <input type="checkbox"/> HVS™ — Hendrickson Value System™ (3-Year Limited Warranty ⁸) | <input type="checkbox"/> HLS™ — Hendrickson Long-Life System™ (5-Year Limited Warranty ⁸) | <input type="checkbox"/> HXL7™ — Hendrickson Extended Life System™ (7-Year Limited Warranty ⁸) |
|--|--|---|---|---|
| SPINDLE: | <input type="checkbox"/> HN <input type="checkbox"/> HP | <input type="checkbox"/> HN <input type="checkbox"/> HP | <input type="checkbox"/> HN <input type="checkbox"/> HP | HP |
| HUB MATERIAL: | <input type="checkbox"/> Ductile Iron <input type="checkbox"/> Dura-Light Hubs® <input type="checkbox"/> Aluminum | <input type="checkbox"/> Ductile Iron <input type="checkbox"/> Dura-Light Hubs <input type="checkbox"/> Aluminum | <input type="checkbox"/> Ductile Iron <input type="checkbox"/> Dura-Light Hubs <input type="checkbox"/> Aluminum | Ductile Iron |
| HUB STYLE: | Hub Piloted | Hub Piloted | Hub Piloted | Hub Piloted |
| NUMBER OF STUDS: | 10 | 10 | 10 | 10 |
| BOLT CIRCLE DIAMETER: | 11.25" | 11.25" | 11.25" | 11.25" |
| WHEEL MATERIAL⁹: | <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum | <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum | <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum | <input type="checkbox"/> Aluminum <input type="checkbox"/> Steel <input type="checkbox"/> Steel / Aluminum |
| DUAL / SUPER SINGLE⁹: (SS) Short Stud (LS) Long Stud | <input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS) | <input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS) | <input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS) | <input type="checkbox"/> Dual <input type="checkbox"/> Super Single (SS) <input type="checkbox"/> Super Single (LS) |
| DRUM MATERIAL⁹: | <input type="checkbox"/> Cast <input type="checkbox"/> Fused | <input type="checkbox"/> Cast <input type="checkbox"/> Fused | <input type="checkbox"/> Cast <input type="checkbox"/> Fused | <input type="checkbox"/> Cast <input type="checkbox"/> Fused |
| LUBE TYPE: | <input type="checkbox"/> SAE 80/90 <input type="checkbox"/> Semi-Fluid Grease | SAE 80/90 | Semi-Fluid Grease | Semi-Fluid Grease |
| SEAL: | <input type="checkbox"/> Stemco Voyager (Standard) <input type="checkbox"/> Stemco Discover <input type="checkbox"/> Stemco Guardian <input type="checkbox"/> Federal Mogul | Standard | Standard | Standard |
| BEARING: | Standard | Standard | Standard | Standard |
| SPINDLE NUT: | Standard 3-Piece Nut | Standard 3-Piece Nut | Standard 3-Piece Nut | Precision320™ Nut System |
| HUBCAP TYPE: | Standard Bolt-on | Standard Bolt-on | Standard Bolt-on | Corrosion Resistant Bolt-on |
| ABS TONE RING: | Yes | Yes | Yes | Yes |

DRUM OPTIONS

| | | |
|-------------------------|--|-------------------------------------|
| DRUM DUTY: | <input type="checkbox"/> Standard | <input type="checkbox"/> Heavy Duty |
| DRUM BALANCING: | Balanced | |
| WHEEL FASTENERS: | <input type="checkbox"/> Yes ¹⁰ | <input type="checkbox"/> No |

7. Consult a customer service representative to ensure the compatibility of the wheel-end equipment with the other selected suspension parameters.

8. Refer to Hendrickson publication L583, *Comprehensive Warranty Statement* for complete details.

9. Information purpose only, not for ordering. Contact Hendrickson for the axle rating when offset wheels are used.

10. Two (2) wheel fasteners factory installed per wheel-end with balance packaged in plastic bag, taped and stretch-wrapped to each wheel-end.

ACCESSORY ITEMS (Not Included in VANTRAA[®] Model Number — Sold Separately)

| | | | | | |
|---|------------------------------|-----------------------------|------------------------|------------------------------|------------------------------|
| STINGER: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Length: | <input type="checkbox"/> 32" | <input type="checkbox"/> 36" |
| HEIGHT CONTROL VALVE: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | Integral Dump: | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| SINGLE AXLE SLIDER REPOSITIONING KIT¹²: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |
| MANUAL DUMP VALVE: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | With Enclosure: | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| MUD FLAP BRACKET: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |
| STOP BAR: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |
| UNIVERSAL LOAD SCALE KIT: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |
| UNDER BEAM LIFT[™]: | <input type="checkbox"/> Yes | <input type="checkbox"/> No | | | |

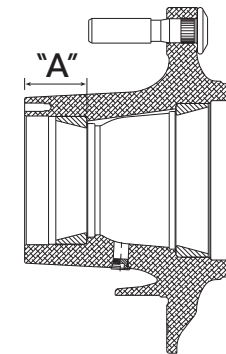
TIREMAAX[®] KIT WORKSHEET¹³ (Not Included in VANTRAA[®] Model Number — Sold Separately)

| | | |
|---|--|---|
| CONTROLLER TYPE: | <input type="checkbox"/> CP | <input type="checkbox"/> PRO |
| HUBCAP TYPE: | <input type="checkbox"/> Bolt-On | <input type="checkbox"/> Extended Bolt-On ^{14,15,16} |
| LUBE TYPE: | <input type="checkbox"/> Semi-Fluid Grease | <input type="checkbox"/> Oil |
| WHEEL STYLE: | <input type="checkbox"/> Dual | <input type="checkbox"/> Super Single - Steel 180° Fitting |
| | <input type="checkbox"/> Super Single - Steel 135° Fitting | <input type="checkbox"/> Super Single - Aluminum Standard Fitting |
| TIRE SIZE: | <input type="checkbox"/> 17 - 19.5" | <input type="checkbox"/> 22.5" <input type="checkbox"/> 24.5" |
| COLD TIRE PRESSURE SETTING (psi)¹⁷: | <input type="checkbox"/> 70 <input type="checkbox"/> 75 <input type="checkbox"/> 80 <input type="checkbox"/> 85 <input type="checkbox"/> 90 <input type="checkbox"/> 95 <input type="checkbox"/> 100 | <input type="checkbox"/> 105 <input type="checkbox"/> 110 <input type="checkbox"/> 115 <input type="checkbox"/> 120 |
| TRAILER-MOUNTED INDICATOR LAMP KIT: | <input type="checkbox"/> Standard <input type="checkbox"/> LED | <input type="checkbox"/> No |
| WIRING HARNESS: | <input type="checkbox"/> Premium, 15-Foot, ABS-ready <input type="checkbox"/> Standard, 18-inch, Wiring Adaptor Plug | <input type="checkbox"/> Premium, 3-Foot, ABS-ready <input type="checkbox"/> None |
| AIR PLUMBING KIT: | <input type="checkbox"/> Manifold ¹⁸ | <input type="checkbox"/> None |
| CONTROLLER TANK VALVE¹⁹: (Pressure Check) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

If the hub bore dimension is less than the dimension shown in the chart, an extended hubcap is required for proper rotary joint assembly clearance.

| SPINDLE NUT SYSTEM | Dimension "A" | |
|---------------------------|---------------|-------|
| | SPINDLE TYPE | |
| | HN | HP |
| Standard three-piece | 1.52" | 1.44" |
| Stemco PRO-TORQ one-piece | 1.69" | 2.12" |

Dimension "A" is measured from the bottom of the bearing cup to the hubcap mounting surface.



12. Hendrickson recommends the use of a Slider Repositioning Kit for all single-axle sliders used in conjunction with fixed suspensions. The kit locks the brakes and dumps the air on the sliding axle for ease of repositioning.
13. When installing TIREMAAX, please contact Hendrickson to verify correct wheel-end component integration.
14. Required with TIREMAAX CP equipped with Stemco PRO-TORQ spindle nut.
15. Required with TIREMAAX CP equipped with ADI hubs on HN spindle.
16. Required with TIREMAAX PRO equipped with castellated spindle nut.
17. Refer to tire manufacturer's recommended tire pressure. TIREMAAX PRO with Dual wheels restricted to Cold Tire Pressure Setting of 80-120 psi. TIREMAAX PRO with Single wheels restricted to Cold Tire Pressure Setting of 90-120 psi.
18. Not required for single-axle systems.
19. Not available with TIREMAAX PRO.

www.hendrickson-intl.com



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