



# Hale Trailer Brake & Wheel

## A003013



ITEM	DESCRIPTION
<b>TYPE</b>	SEMI-TRAILER, "DARKWING II" ALUMINUM DROP PLATFORM
<b>DIMENSIONS</b>	
<b>LENGTH</b>	48'-0"
<b>WIDTH</b>	102", 97" between side rails.
<b>HEIGHT</b>	Floor, approximately 59" high at front and 41" at the bumper.
<b>DROP HEIGHT</b>	20", located at 10'-6" from front.
<b>COUPLING</b>	
<b>COUPLER PLATE</b>	1/4", galvanised (G164) 80 000 psi steel, plug welded structure.
<b>KING PIN LOCATION</b>	18" from front.
<b>COUPLER HEIGHT</b>	48".
<b>STRUCTURE</b>	42" center to center Frame with "CAMBER".
<b>FLANGES</b>	3/8" x 5" , 100 000 psi steel in gooseneck and the remaining. Top, "T" shaped aluminum extrusion (6061-T6), with 2 Cargo Rail integrated by flange. Bottom, aluminum extrusion (6061-T6) 4" x 1 1/2".
<b>WEB</b>	3/16" plate in king pin area, 80 000 psi steel and the remaining. 1/4" plate, polished aluminum (5454-H34), riveted at 3" c/c, 24 3/4" high including flanges.
<b>GOOSENECK</b>	11 1/4" high, 48" straight behind king pin, galvanized steel (G164).
<b>CROSSMEMBERS</b>	4" high extruded aluminum I beams, 16" c/c in gooseneck and the remaining 12" c/c. One additional crossmember at rear bumper.
<b>FLOOR</b>	Structural aluminum extrusions, flat type, inverted "T", 1 1/4" high with 3 Apitong or equivalent planks.
<b>FLOOR FASTENING</b>	Bolts with nuts on top flanges, screws on crossmembers, 2 rivets per Apitong plank at each crossmember.
<b>SIDE RAILS</b>	3 3/4" x 5 13/16" high, extruded aluminum, Cargo Rail integrated.
<b>SIDE BOXES</b>	3 5/8" x 1 5/8" inside, 4" high, extruded aluminum. CMVSS-905 WLL, 5,500 lbs WLL approved.
<b>RUB RAILS</b>	Aluminum extrusions 3/8" x 2 3/4". Dual rub rail spacers 1" x 1 3/4" as anchor.
<b>CORNERS</b>	Bevelled.
<b>FENDERS</b>	Reinforcement over tires at rear, floor full length.
<b>KNEE BRACES</b>	1/4" formed aluminum plates, bolted in web and a crossmember, located each side.
<b>BRACING FOR COILS</b>	Qty: 1 kit for a 60 000 lbs maximum coil. Made of 6 aluminum crossmembers, "I" beams, additional between main beams and crossmembers. Located: Centered.
<b>ENDS</b>	
<b>FRONT RAIL</b>	Bolted aluminum extrusion, 7" high, overlapped floor to allow floor plank to walk underneath.
<b>BUMPER</b>	CMVSS 223-RIG approved (in accordance with Canada & USA regulations). Aluminum, bolted uprights to frame, cross bar tubing 4" x 3/16" at a maximum height of 22" from under tubing to ground.
<b>BUMPER</b>	Aluminum plate with "DARKWING" logo on RED back plate, bolted between bumper uprights to close rear.



ITEM	DESCRIPTION
<b>BUMPER</b> <b>REAR RAIL</b>	2 heavy duty rubber dock at the end of rear rail. Aluminum extrusion, 6 1/2 high, 16000 lbs lift truck proof, including 3 boxes integrated.
<b>ELECTRICAL</b> <b>FRONT CONNECTOR</b> <b>FRONT ADD. CONNECTOR</b> <b>ELECTRICAL SYSTEM</b> <b>MAIN SYSTEM</b>  <b>FLASHERS</b>  <b>TAIL LIGHTS</b>  <b>ADDITIONAL MARKER(S)</b>  <b>ADDITIONAL MARKER(S)</b>	7 way (SAE J560), Phillips brand. 7 way (ISO 3731), for auxiliary functions only. Shock proof lights, polycarbonate lenses, in compliance with CMVSS 108. Grote Ultra Blue LED, sealed beams, tail lights and markers with stainless steel rings and anti-theft system, 10 diodes tail lights, markers lights Micronova, identification lights 2 1/2" dia., licence light.  Sealed beams LED clear lens, one lamp including side marker and flasher, each side at middle point, amber. Sealed beams Grote LED clear lens, 10 diodes red, with stainless steel rings. Qty: 1 additional each side.  Sealed beams, clear lens with chrome rings. Qty: 5 additional each side, evenly spaced. Warning lamp Tiremax installed on road side front rail. From outside, tail lights and flasher, flasher with parking, brake with parking. On BUMPER, Qty:4, sealed beams, clear lens, with stainless steel rings and anti-theft system. Located on cover plate between bumper uprights.
<b>LANDING GEAR</b> <b>SAND SHOES</b> <b>CRANK</b> <b>SPAN</b>	Holland, Mark V (LGS-4F315), with mounting plate, solid axles. (galvanized) 10" x 11 1/2" Road side. Galvanized steel (G164)
<b>BOGIE</b> <b>BASIC MECHANICAL</b> <b>BOGIE</b>	Basic mechanical for sales book. Separated, galvanised (G164), bolted to frame, tandem 122" spread.
<b>MECHANICAL (GROUND AXLES)</b> <b>SUSPENSION</b>  <b>SUSPENSION</b> <b>SPRINGS</b> <b>AXLE(S)</b> <b>CAM SHAFTS</b> <b>TRACK</b> <b>DUST SHIELDS</b> <b>BRAKES</b> <b>BEARINGS</b> <b>SLACK ADJUSTERS</b> <b>SEALS</b>	Hendrickson INTRAAX AANL-23K (6.5), tandem. N.B.: Winged suspension bracket. For axles with bearings HM 218248 and HM 212049. "Soft coat". Air. LDA, 5 3/4" diameter, 23 000 lbs. capacity. 28 splines with enclosures, 10" long. 77 1/2". None (Intraax axles). 16 1/2" standard, long life H20-HXS Hendrickson lining. HM 218248 and HM 212049. Meritor, automatic, 28 splines. Stemco, "Guardian" type, with "Gearlube" mineral oil, SAE 80W90.



ITEM	DESCRIPTION
<b>BRAKE CHAMBERS</b>	T.S.E. brake, "Ultralife Plus" (30-30), (push rod 9 3/4"), long stroke. (10 years warranty by T.S.E. for parts only).
<b>HUBS AND DRUMS</b>	10 stud disc hubs, balanced drums outboard mount, 285.75mm B.C., single flange nuts. For dual aluminum wheels.
<b>RIMS</b>	Alcoa, aluminum, "ULTRA ONE" finish, 22.5 x 8.25, disc (10 holes), 285.75mm B.C., single flange nuts.
<b>SPACERS</b>	Wheel guard 10 holes. Located between the inside wheel and the drum.
<b>TIRES</b>	Continental, 255/70 R 22.5 HSR2 SA          16 ply    (36.6") Automatic Tire inflation System Hendrickson Tiremaax.
<b>AIR SYSTEM</b>	
<b>GLAD HANDS</b>	Fixed.
<b>AIR VALVES</b>	Meritor Wabco, ABS, 2 sensors 1 modulator.
<b>VALVE(S)</b>	Manual blow down valve in a control box, with auto-reset feature, including Glycerin filled pressure gauge, in P.S.I., to indicate load with a conversion table.
<b>VALVE(S)</b>	Blow down valve on REAR axle, controlled from the cab, activated when the cruising speed is lower than 16 Km (10 mph), warning light installed road side facing the axle when the blow down valve is activated, without break release.
<b>CONTROL BOX</b>	Stainless steel.
<b>AUTOMATIC TIRE INFLATION</b>	Automatic Tire inflation System Hendrickson Tiremaax PRO. For axles with bearings HM 218248 and HM 212049, dual tires. NOTE: Axles prep. fees included for undressed axle. *** Maximum allowable tire pressure for this device is 120psi *** (tandem application) "Automatic Tire Inflation Systems", REMARK: Make sure the system is adjusted to the same tires pressure written on the serial plate.
<b>ACCESSORIES</b>	
<b>REGISTRATION HOLDER</b>	One plastic, Betts-PS-1 or equivalent.
<b>MUD FLAPS</b>	One set, rubber with Manac logo and vertical grooves to reduce spray.
<b>EXTRA MUD FLAPS</b>	One set, rubber with Manac logo and vertical grooves to reduce spray, located at rear of front axle.
<b>SLIDING TRACK</b>	Full length, "LL" extruded aluminum, road side.
<b>WINCHES</b>	Qty: 12, KINEDYNE #1020ZP, zinc plated slider (low profil 5 7/8").
<b>STRAPS</b>	Qty: 12, nylon winch straps with flat hook, 30' long x 4" wide.
<b>STORAGE BOX(ES)</b>	Qty: 1, TREBOR aluminum CKPL finish box, double doors, hinges on sides, antirack lock. 24" deep x 18" high x 60" wide. Located at roadside, between spread.
<b>CARGO HANDS</b>	Qty: 12, aluminum, for side rail with cargo rail.
<b>CARGO HANDS RACK</b>	Qty: 1, rack for cargo hands bolted on one crossmember. (1 rack can hold 12 cargo hands) Located at roadside.
<b>POST RACK</b>	Made of 1/4" formed aluminum plate, 98 1/2" inside net, bolted to web and crossmembers. Located at curbside.
<b>FINISHING</b>	
<b>RETROREFLECTIVE TAPES</b>	Conspicuity striping in compliance with CMVSS 108.



ITEM	DESCRIPTION
<b>WHEELS OR RIMS BUMPER</b>	Gray and red, *** full length *** each side, fully covers rear sill and horizontal underride protection bar. Natural aluminum. Uprights, cross bar, threshold cover and close rear plate, The entire aluminium POLISHED rear surface.
<b>ADDITIONAL OPTIONS</b>	Same as #187722
<b>CONFORMITY</b>	This semi-trailer does not comply with GHG regulations. Should GHG regulations come into force prior to the production of the trailer(s), Manac will have the obligation to ensure the trailer(s) produced meet minimum GHG guidelines. Any modifications required to meet the GHG regulations will be added to the initial purchase price and charged back to the customer.

**DISCLAIMER**

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.