

# ▲ DECKHAND® S

Delivering unparalleled speed, precision, and performance, the DECKHAND® S is as safe as it is agile. Out-performs all existing material handling methods.

- Head unit mounts to any brand of excavator in the 18-23 metric ton class
- 360° Continuous Rotation
- Tilts up to 24.5°
- Shifts load side to side up to 5.5" in either direction
- Load locking valves hold load securely, regardless of hydraulic pressure
- In-cab display allows operator to safely monitor and adjust all functions, working parameters, and hydraulic settings from inside the excavator.
- Requires auxiliary hydraulic circuit on excavator and dedicated case drain line
- Designed to meet ASME Below-The-Hook Lifting Standards



## DECKHAND® S HEAD UNIT

Part Number	4844
Model Number	DHS
Excavator Wt Class	18-23 METRIC TON
Supply Pressure	3,000-5,000 PSI / 207-345 BAR
Max Flow	30 GPM / 114 LPM
Min Flow	20 GPM / 76 LPM
Recommended Flow	25 GPM / 95 LPM
Main Beam Size (inches)	6x6
Capacity	20,000 LBS / 9,072 KG
Weight	2,200 LBS / 998 KG
Overall Dimensions	83L X 35W X 49H
Side Shift	5.5"
Tilt	24.5°

# DECKHAND® COMPETITIVE ADVANTAGES

The DECKHAND® by LaValley Industries offers a long list of advantages versus traditional pipe handling methods in terms of safety, operational efficiency, and total project costs:

	STRAPS & CHAINS	VACUUM LIFTS	DECKHAND®
<b>MAN POWER</b>	<b>2-4 PEOPLE</b>	<b>1-3 PEOPLE</b>	<b>1 PERSON</b>
Both straps/chains and vacuum lifts require extra manpower for positioning pipe.			
<b>OVERALL SAFETY</b>	<b>POOR</b>	<b>FAIR</b>	<b>EXCELLENT</b>
DECKHAND® eliminates workers in the vicinity of lifted pipe. No matter what the weather conditions, DECKHAND® offers positive grip and total control of pipe, unlike vacuum lifts.			
<b>LOAD HOLDING</b>	<b>POSITIVE</b>	<b>CAN DROP LOAD</b>	<b>POSITIVE</b>
Load hold valves on DECKHAND® arms ensure that pipe never drops, regardless of hydraulic pressure.			
<b>LOAD CONTROL</b>	<b>POOR</b>	<b>POOR</b>	<b>EXCELLENT</b>
DECKHAND® offers control of pipe in all directions. Vacuum lifts are free-swinging in one direction and cannot tilt pipe.			
<b>LOAD PLACEMENT</b>	<b>GROUND PERSONNEL REQUIRED</b>	<b>FAIR</b>	<b>EXCELLENT</b>
DECKHAND® offers powered control of pipe in all directions, which allows for fast, accurate pipe placement without any ground assistance.			
<b>PRODUCTIVITY</b>	<b>LOW</b>	<b>MODERATE</b>	<b>HIGH</b>
Straps/chains and vacuum lifts require multiple workers, while the DECKHAND® requires just one operator. Vacuum lifts are slower than DECKHAND® at moving and positioning pipe.			
<b>OFF-CENTER LIFTS</b>	<b>NO</b>	<b>NO</b>	<b>YES</b>
DECKHAND® can lift pipe off-center per operating limits.			
<b>TOTAL OWNERSHIP COST</b>	<b>MEDIUM</b>	<b>HIGH</b>	<b>LOW</b>
DECKHAND®s robust design ensures a long lifespan and nominal maintenance costs.			
<b>LABOR COST</b>	<b>2-4 PEOPLE</b>	<b>1-3 PEOPLE</b>	<b>1 PERSON</b>
DECKHAND® also increases pipe handling production vs. other methods.			
<b>PIPE &amp; EQUIPMENT DAMAGE</b>	<b>HIGH</b>	<b>MEDIUM</b>	<b>LOW</b>
Vacuum lifts can drop pipe unintentionally or swing pipe into objects, causing pipe and/or equipment.			
<b>MAINTENANCE COSTS</b>	<b>LOW</b>	<b>HIGH</b>	<b>LOW</b>
DECKHAND® requires weekly greasing and occasional wear pad replacement. Vacuum lifts require suction pads to be replaced when torn or every 200 hours, and filters to be replaced daily in certain weather conditions (diesel engine also requires daily fueling and maintenance).			
<b>INSURANCE COSTS</b>	<b>HIGH</b>	<b>MEDIUM</b>	<b>LOW</b>
With DECKHAND®, fewer ground workers equals lower insurance costs.			