MINT MECH SPECIALIST ENGINEERS

JACKLAD 650 / CTV ACCESS SYSTEM

A safer route from CTV to jack-up.

Adjustable access. Shock-absorbing design. Fully retractable for transit.
Engineered and manufactured by MintMech for your vessel.

6.5t
CTV DESIGN BASIS

9m
VERTICAL RANGE

12
LOCKED POSITIONS



JACKLAD 650 / INSTALLED ON A JACK-UP

01 / CONTROLLED TRANSFER

Designed around the landing.

A proprietary shock absorption system accommodates CTV contact, with an inclined access route from the boarding area to deck.

02 / ADJUSTABLE ACCESS

Set to the working air gap.

Winch-driven vertical adjustment and 12 locked positions cover a 9m range. Hydraulic pins remove the need for manual locking.

03 / RETRACT FOR TRANSIT

Keep the hull clearance.

Fully raised, the ladder sits flush with the underside of the jack-up pontoons, preserving the vessel's floating draught.

04 / IN SERVICE

Built for practical operation.

A low-maintenance system with international operating experience and local hydraulic controls.

A TURNKEY PACKAGE FOR YOUR VESSEL

Structure, actuation, controls and vessel interface - engineered together.
Standard 35 t dovetails, alternative interfaces and dedicated power options.

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Configured for your jack-up.

JACKLAD 650 combines adjustable access, hydraulic actuation and a vessel-specific interface in one engineered package.

GENERAL SPECIFICATION

CTV design basis	6.5t vessel; suitability assessed for the application.
Vertical range	9m below deck; 12 locked operating positions.
Retracted position	Flush with underside of jack-up pontoons.
Vertical actuation	Hydraulic winch.
Position locking	Hydraulically actuated locking pins.
Local controls	Valve arrangement for winch and locking pins.
Standard interface	Standard 35 t dovetail connectors.
Hydraulic supply	Jack-up HPU, subject to compatibility check.
Transit condition	1.5m Hmax; application-specific assessment.



LOCAL HYDRAULIC CONTROLS

Vessel-mounted JACKLAD 650 installation.

Application limits: vessel mass is not a personnel safe working load. Larger Hmax may be possible with a smaller CTV, subject to individual assessment. Confirm vessel, environmental limits and HPU compatibility for each project.

INTERFACES & OPTIONS

Built around your vessel.

- Adapters for other jack-up types, including Combifloat.
- Optional dedicated electric or diesel HPU.
- Full customisation by MintMech's engineering and manufacturing team.
- JACKLAD 200 available for smaller vessels.

DESIGN & VERIFICATION

Engineered for service.

Structure designed in accordance with DNV. Impact load verification supported through Marine-I / HM Government.

IJUBOA guidance covers mechanically operated inclined ramp access systems; selection remains specific to the site and operation.

Reference: IJUBOA Access & Egress Guidance, Rev C1, sections 6.5 and 12.1.

Tell us the vessel. We'll configure the access.

Contact MintMech for details and a package tailored to your vessel.

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