



End-hinged ramp covers

Internal vehicle access between different levels on RoRo vessels is normally over fixed or hoistable ramps. Where a fixed ramp is specified, the opening above can be closed by a side- or end-hinged ramp cover. An end-hinged ramp cover requires no transverse stowage space, and operation is normally by two or more direct-acting hydraulic cylinders under the cover on each side.

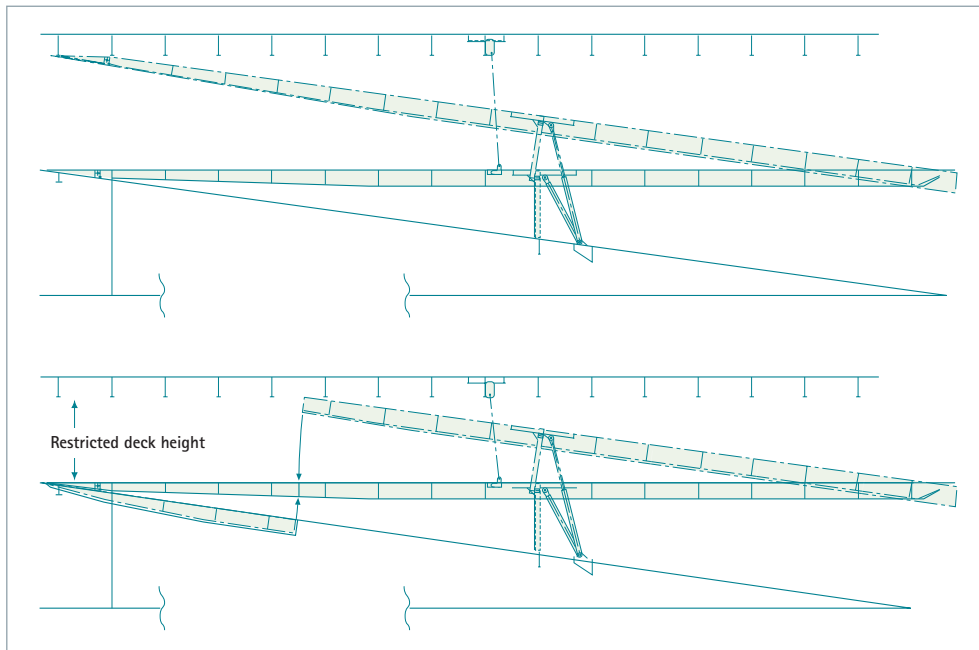
END-HINGED RAMP COVERS

Locking is ensured by wedges supported by the hull structure (such as pillars), or alternatively by rods hinged in the cover itself, supported and secured by a hydraulic device in the longitudinal coaming. In its open position, an end-hinged cover ensures that full free height is always available on the ramp.

An end-hinged cover is normally fabricated as an open construction, in one section with a small flap, but in special cases it can be designed with two sections and a number of different openings to ensure adequate free height.

In its closed position, a TTS end-hinged cover is flush with the surrounding deck, and its load capacity will be the same. If necessary, a cover can be designed to withstand pressure from below.

The cover can also be made water- or gastight, using a rubber gasket compressed by a



▲
Operation of ordinary end-hinged ramp cover

steel flat bar. Fireproofing and insulation can also be in-built if requested.

A control stand is normally placed nearby on the same deck as the cover. A panel with an LED display indicates whether the cover is in its locked or free position. If required, a remote display can be supplied to indicate when the cover is fully secured and cleared.