



Bow doors

TTS side swinging bow doors are designed to fulfil all the requirements of shipowners and regulatory authorities in respect of size, strength, cleating and tightening. Each door comprises two sections, each of which swings out of the door aperture to its open position outside the ship's shell. Each section incorporates a strong box formation as part of its structure for added strength. Operation is by hydraulic cylinder and a swinging manoeuvring arm hinged to each door section and the hull. The guiding is effected by a closed hydraulic system consisting of two hydraulic cylinders working simultaneously.



When closed, the door is cleated by hydraulically operated wedges around the entire opening and also at the joint between the door sections. In addition, strong locking/locator devices are positioned in the lower part of the door sections and in the hull.

Full watertightness is ensured by a single lip rubber seal mounted around the door opening and in the joint between sections.

General arrangement showing the hydraulically manoeuvred swinging arm, cleating devices, locators in bottom of the door, and the guiding cylinders on the port side section of the door. Each one of two guiding cylinders is connected near the hinges of the swinging arm.

