

Dropped Object – Compressed Gas Cylinders from Bottle Rack During Transfer

Description of Incident (September 7, 2025)

A bottle rack containing three compressed gas cylinders was in the process of being transported back to the lay down area it had initially been lifted from, on an offshore production facility. The bottle rack began to sway and an attempt to land the unit was made. The bottle rack struck an adjacent structure causing the door to swing open. A second strike caused the compressed gas cylinders to become free of their securing. Two of the compressed gas cylinders fell out of the open door. The first cylinder fell approximately 4 feet; the second cylinder fell approximately 45 feet. No personnel were in the area where the cylinders were dropped and barricades were in place during the lift. The two cylinders sustained minor damage, however equipment damage was caused by the cylinder that dropped 45 feet. See related images below.

What Went Wrong

The bottle rack door was closed but lacked a secondary securing method (such as a heavy-duty tie wrap) on the latch. This additional restraint is applied for outbound and inbound shipments but is not currently used for internal transfers within the facility.

Corrective Actions & Recommendations

Adopt industry best practices for proper packing and securing of the Cargo Carrying Unit, including outlining the roles and responsibilities of all personnel involved. This would be applied throughout the entire process for use of the Cargo Carrying Unit.

Applicable Lifesaving Rule


IOGP's [Safe Mechanical Lifting](#) lifesaving rule is applicable to this incident.

Posted on November 17, 2025.

[Read more](#) Atlantic Canada Offshore Safety Alerts.

Related Images

INDUSTRY SHARED PRACTICES FOR SECURING ARRANGEMENT OF VARYING SIZES OF COMPRESSED GAS CYLINDERS.

 NOTE: Secure cylinders with at least two straps. Place straps around the upper half of the cylinder, above its center of gravity (around 2/3 of its height), to prevent tipping. Secure the remaining strap webbing to ensure it does not fall out.

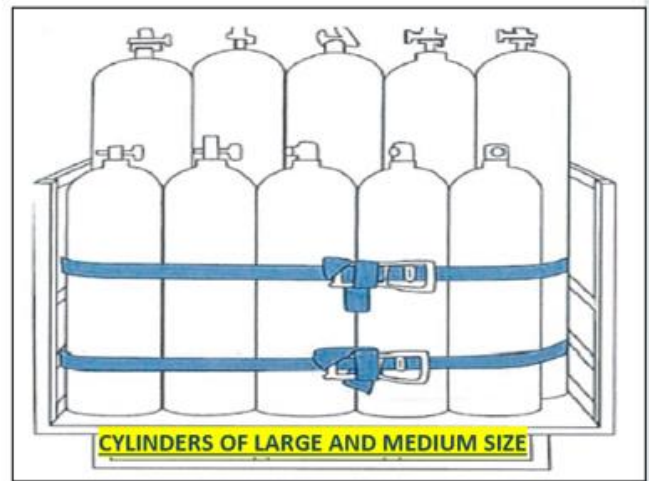
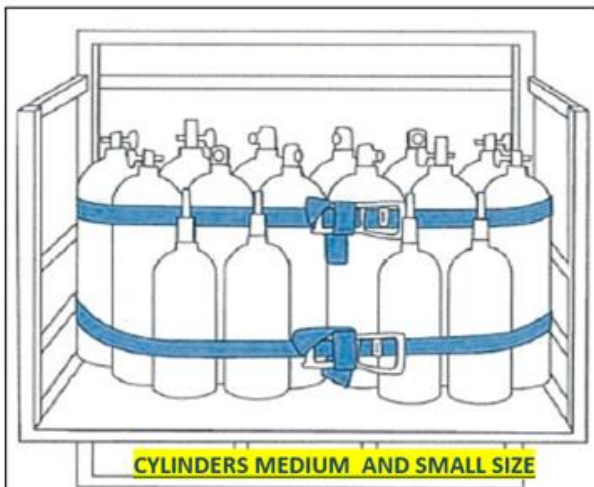
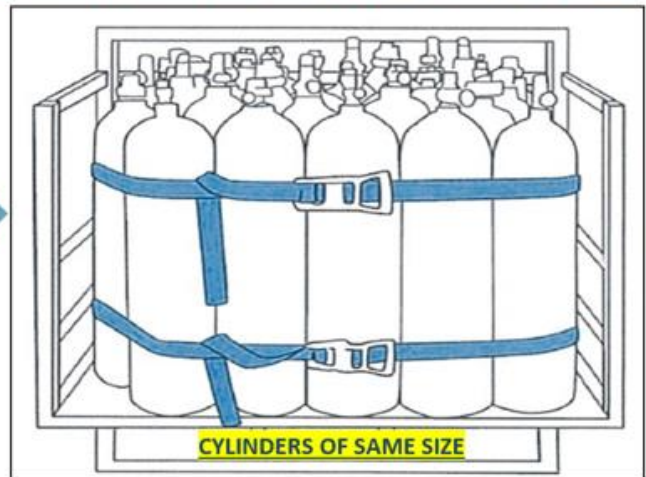


Fig. 1. Best Practices for Securing Compressed Gas Cylinders



Fig. 2. Images of cylinders damaged during the incident and dropped object area

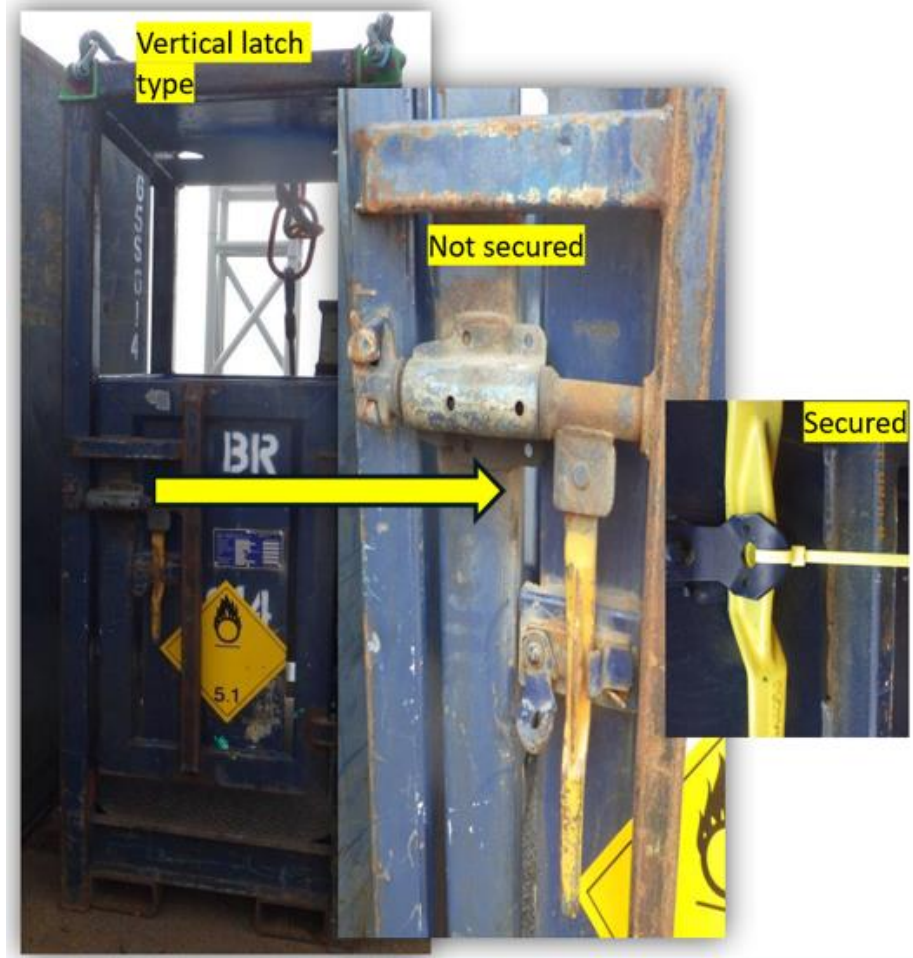


Fig. 3. Photos demonstrating secured versus unsecured latches