



CYLINDER DELIVERY AT LOCATIONS WITH STAIRS AND OR RAMPS (Insert Company Name Here)

PURPOSE	To provide guidelines for the safe handling with stairs and ramps
RESPONSIBILITY	All individuals handling cylinders with stairs and ramps
AUTHORITY	Plant, Distribution, or Operations Manager

Key Considerations

It is the position of the Safety Committee that the delivery of cylinders, dewars, cradles should not be made when stairs or ramps are involved.

This is to insure the safety of the delivery driver, to prevent injuries and to prevent the loss of control of cylinders etc. when stairs and or ramps are involved.

Following are some guidelines to help establish a working procedure for these deliveries.

For clarification purposes; A curb or step up is not considered a flight of stairs, more than (1) step with less than (3) ft of tread length is considered a flight of stairs. A grade rise in excess of 10% would be considered a ramp too steep for cylinder deliveries (see diagram below).

Delivery drivers will inform their supervisor of any issue regarding the delivery of cylinders when it involves stairs or ramps.

Delivery Survey

To help identify a problem delivery, the delivery driver will complete a "DELIVERY SURVEY" form (separate document available on the GAWDA Safety Committee website).

DELIVERY SURVEY form must be turned in to supervisor.

Supervisor, can evaluate, address and resolve problem with customer, or notify the appropriate sales person.

Customer should be advised of the problem, and offered solutions.

Stairs

Customers may utilize their personnel to move cylinder either down or up a flight of stairs. Should the customer elect to move cylinders etc. down or up stairs and or ramps a chained area should be made available at or near the stairs or ramp for the delivery of cylinders etc.

If no solution can be agreed on, then it must be determined if it is cost effective to continue doing business with this customer.

RAMPS

Grades of 10% or less

Cylinder carts or hand trucks may be used when transporting cylinders on ramps so long as the following applies:

- Ramp has a grade of 10% or less
- Ramp is in good repair
- Person using cylinder cart has the necessary training and is wearing the proper PPE
- Maximum manufacturer load weight of cart is not exceeded

Warning: Under no circumstance shall cylinders be rolled up or down a ramp. Losing control of a cylinder can result in serious injury and property damage.

Grades greater than 10%

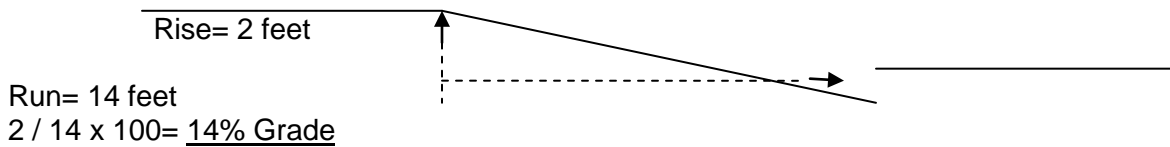
It is recommended that a forklift or electric pallet jack be used when traveling on ramps with grades greater than 10%. Cylinders shall be secured/ strapped to prevent load from shifting while being transported.

No more than 6" rise in 5', no more than 1' rise in 10', no more than 2' rise in 20', etc.

Figuring Grade

Grade= Rise/Run x 100

Example:



Please see the “Safe Cylinder Handling” sample policy for details on handling cylinders in general.