

Manual Section 4	Issue Date 03/17/16	Revision Date 08/18/26	Policy Number LLCP-043
	Spiders		

PURPOSE

This document applies to the set-up of Spiders and work practices associated with this operation. This guideline has been developed to promote safe practices concerning the use of Spiders on Company and Customer sites.

SCOPE

All GIS Holdings, LLC Companies and affiliates including, Blanchard Industrial, LLC, GIS Engineering, LLC, Grand Isle Shipyard, LLC., GWIS, Mack Steel, NuWave, Valvemax, Discovery Industries, Inc. and Global Inspections, LLC hereafter identified as “Company”.

DEFINITIONS

- Spider – Air driven portable workbasket.
- Spider Competent Person – Personnel specifically trained with the competencies to both train personnel in the operation of the spider and to rig up the spiders for work.

REFERENCE DOCUMENTS

- Fall Hazard Management
- Crane & Rigging Policies
- Spider Manufacturers Operators Manual

NOTE: It is not intended for this document to be all-inclusive in regards to the safe operation of a Spider as this document shall be considered as a guideline. For specific information concerning the use of Spiders and training competencies, please reference the latest versions of the manufacturers operators’ manual as noted above.

PROCESS

While scaffolding is the preferred method of access to “At Height” work locations, it is recognized that Spiders allow for a safe method of accessing locations that will require short work durations.

To ensure consistency and safety, the Spider Competent Person is identified by this document to provide approval for work planned with the use of Spiders. Should the Spider Competent Person need HSE advice on how the work should be conducted, the Corporate HSE Department should be consulted prior to the commencement of work.

The following conditions must be adhered to if work is to commence on Spiders:

- The Spider Competent Person must ensure that Spider Operators are trained appropriately to work in a Spider and ensure competency of proper operations.
- The minimum number of personnel in the work party is two (one person in spider and one person watching hoses, lines, etc. from the ground area or from above.
- Worksite barriers shall be put in place to restrict access to the work area.
- LLCF-097-Air Spider Pre-Use Checklist shall be completed prior to use.
- LLCF-097.1-Air Spider 30-Day Inspection shall be completed at 30 day intervals until rotated out for manufacturer maintenance.
- The air supply hose shall be routed to prevent constriction and loss of airflow.
- Spider identification tags are on all hose connections.
- The air supply hose shall be secured to the spider to ensure it cannot be jerked to disengage.

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- 100% tie-off. Use life line and rope grab with 3-feet lanyard. Work vests shall also be worn when working over water. Lifeline should be hung as close as possible.
- Vertical lifelines shall be attached to an appropriate anchor point.
- Suspension rigging shall be attached to an appropriate anchor point other than the anchor point for fall arrest.
- Before entering the spider, the control lever shall be activated to take up tension on the suspension line and keep the basket stabilized on the deck.
- An emergency rescue plan shall be developed and rescue materials shall be in the immediate vicinity of the work location.
- Once the spider is at the desired height to do the work, it should be anchored to prevent swaying.
- No two Spiders will operate entirely the same. The make, model, and controls may be identical, but in no way insures identical responses by each Spider. Always become familiar with each Spider prior to its use. Anytime a control fails to respond, STOP all operations until the cause is identified and corrective measures are taken as needed.
- Ensure integrity of tie-off points for spider and lifeline as well as all rigging (i.e., shackles, cables, lanyards, ropes, clamps).
- Never tie-off around sharp edges.
- Tie 1" air supply line to spider frame to prevent rupture or breaking off at valve.
- The spider is for personnel and basic hand tools only. Not to be used for lifting or moving equipment. Never exceed maximum working load.
- When putting suspension cable through grating, always use 2" schedule 80 pipe or greater, with a length that allows the pipe to extend over two beams and/or appropriate supports.
- Pipe and/or tie-off points protruding through decks shall be flagged.
- Flag off areas below to prevent access to hazardous work areas.
- Always hold onto framework inside the spider while moving and never to the outer rail to avoid pinch points.
- Do not climb into spider without it being held steady by a co-worker and/or tied off.
- You should never stand on the toe plate mid rail or top rail while working from a spider.
- Continually inspect cable during use. Ensure proper drum spooling and inspect cable for damage. Never use tension holder as a brake.
- **Welding, cutting or burning shall not be performed from the spider without an arc guard.** An additional safety precaution that should be considered to prevent arcing would be the use of rubber to insulate attachment points.

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