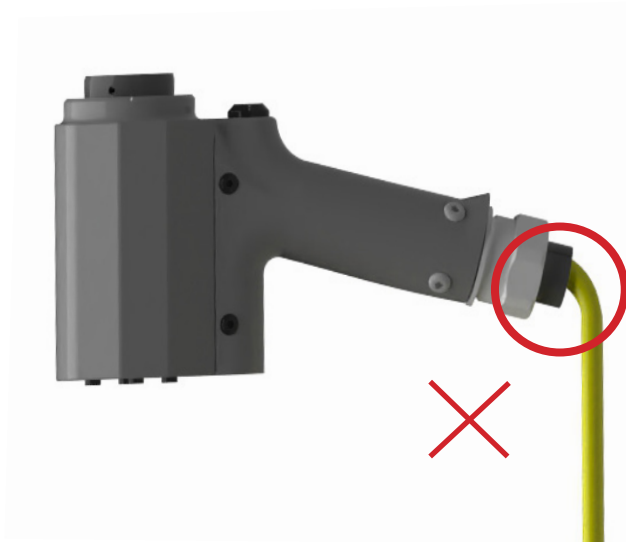




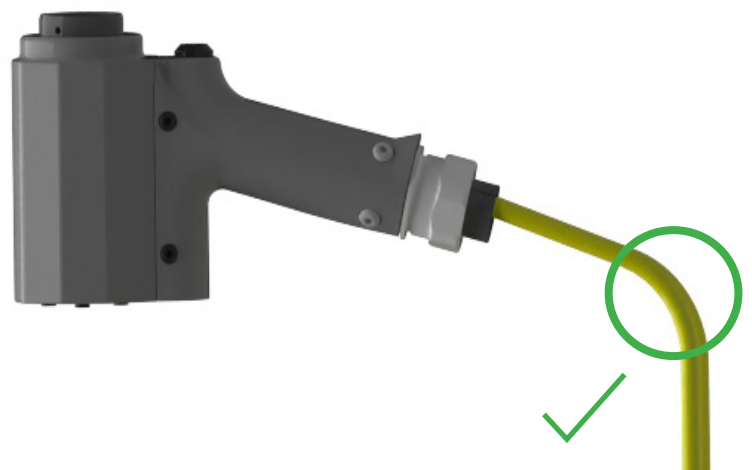
Proper Hose Handling and Orientation for Tools

HOWMET Fastening Systems Kingston Operations

This bulletin is intended to communicate proper handling and orientation of hoses when using hydraulic tools. Improper orientation of hoses could lead to damage and personal harm. An example of proper hose orientation is shown below on a hydraulic tool.



Hydraulic Tool with Improper Hose Orientation and Exceeding Minimum Bend Radius



Proper Hose Orientation and Not Exceeding Minimum Bend Radius



All pertinent hydraulic tool safety requirements are to be followed, failure to heed the below warnings below could lead to a damaged hose, tool, or personal injury.

- This high pressure hose is not to be used other than assembled in a genuine Huck tool or hose assembly or used as a replacement for the hose of a genuine Huck tool or hose assembly.
- Improper use of this product can cause death, personal injury and property damage, including but not limited to electrocution, fluid injection or loss of limb caused by high pressure leak, dangerously whipping hose or contact with suddenly moving or falling objects.
- Do not exceed rated working pressure (700 bar/10150 psi) or minimum bend radius (see **chart below**). Do not use in temperatures less than -40°C (-40°F) or greater than +100°C (+212°F). Do not exceed fluid working temperature of +70°C (+158°F).
- Do not use if the hose is kinked, abraded, cut, bulged, or leaking. Do not attempt to repair the hose.
- Refer to a Huck hydraulic tool manual for hose inspection and maintenance intervals.
- Store Hose assemblies in a clean dry area.

Hose Type	Maximum Bend Radius	
124881 Series	2.17 inches	55 mm
126107 Series	2.76 inches	70 mm
HPH Series	1.97 inches	50 mm

Hydraulic Tool Safety Instructions are located in the "Safety Instructions" section of all hydraulic tool manuals, and holds all necessary information for hydraulic tool safety.

HYDRAULIC TOOL SAFETY INSTRUCTIONS:

1. Carry out a daily check for damaged or worn hoses or hydraulic connections and replace if necessary.



WARNINGS:
Do not exceed maximum pull or return settings on tool.
Be sure all hose connections are tight.
All tool hoses must be connected.

2. Wipe all couplers clean before connecting. Failure to do so can result in damage to the quick couplers and cause overheating.
3. Ensure that couplings are clean and correctly engaged before operation.
4. Use only clean oil and filling equipment.
5. Power units require a free flow of air for cooling purposes and should therefore be positioned in a well ventilated area free from hazardous fumes.
6. Do not inspect or clean the tool while the hydraulic power source is connected. Accidental engagement of the tool can cause serious injury.
7. Be sure all hose connections are tight.
8. Wipe all couplers clean before connecting. Failure to do so can result in damage to the quick couplers and cause overheating.



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