



SUPER HEAVY DUTY

STRONGARM®

Hydraulic Hose MANUAL - 033130 - 033135



Carefully inspect all components for shipping damage. If shipping damage is found, please notify carrier at once. The carrier is responsible for any damage resulting from shipment.

1. SAFETY

To avoid personal injury or property damage, please follow all safety precautions. STRONGARM is not responsible for injury or damage resulting from unsafe and incorrect product use or system operation or lack of maintenance.

⚠ **DANGER** is used when your action or lack of action may cause serious injury or even death.

⚠ **WARNING** indicates a potential danger that requires correct action to avoid personal injury.

⚠ **IMPORTANT** indicates correct action to prevent damage or equipment failure.

⚠ **DANGER**

- The hydraulic equipment operator must be a qualified person with correct training and work experience with hydraulic equipment. Lack of knowledge in any of these areas can lead to equipment damage or personal injury.
- To avoid personal injury, please do not modify or weld hydraulic equipment.
- Never connect a hose to system with more capacity than the hose; overloading will cause equipment failure and possible personal injury.

⚠ **WARNING**

- Wear safety glasses, helmet and other necessary personal protective equipment when operating hydraulic equipment.
- Carefully inspect all threads before connection. If you find any damage on the cylinder(s), coupler(s) or hose(s), please stop using your equipment. The damage may cause equipment failure and possible personal injury.
- Never handle pressurized hoses; escaping oil under high pressure can penetrate the skin, causing serious injury. Seek medical aid immediately if injured.
- Always use high-quality hydraulic oil.
- To prevent dust or other debris from getting into the hose, ensure coupler(s) are kept clean. Dirt or other small debris will damage the cylinder's seals and result in equipment failure and possible personal injury.
- Before removing or tightening hose(s) or coupler(s), release hydraulic pressure in the system.

- For hydraulic technical help or repair service, please contact the authorized STRONGARM Service Centre in your area. STRONGARM or JET has no obligations under any warranty with respect to products that have been repaired by unauthorized personnel, modified, or damaged through misuse, abuse, accident, neglect, or mishandling.

⚠ **IMPORTANT**

- Keep hose clean at all times.
- When the equipment is not in use, remove hose and store in a clean and dry location.
- Never drop items on the hose.
- Never lift or carry hydraulic cylinders by the hose, use the handle or other methods to carry the cylinder.
- Do not use equipment in temperatures of 65°C (150°F) or higher. Overheating will soften and weaken the hose material, resulting in oil leakage or other equipment failure.

2. OPERATION

- Read and understand the system instructions to ensure you are using the proper hose for the application.
- Visually inspect the hose to be sure there are no kinks, cuts or other damage to the hose.
- Clean hose ends, couplers or union ends to be sure all threads are in good condition.
- Never twist or kink the hose. Hose bend radius should always be more than 11.5 cm or 4.5 inches, use as few bends as possible.
- Never drop items on the hose
- Make sure all connections are tight and leak free. Do not over-tighten connections; over-tightening may cause premature thread failure.

⚠ **IMPORTANT**

- To fully seal the connections, use of Teflon tape or thread sealant is necessary. Leave first complete thread free to prevent tape particles from entering into hydraulic system. Any tape particles in the hydraulic system will prevent proper oil flow.
- Safety first, always use valves and gauges; never allow hoses to be the only support in the system.

3. MAINTENANCE

- Keep hose clean at all times.
- When hose is not in use, store in a clean and dry location.
- Use only high-quality hydraulic oil and change fluid as recommended by STRONGARM.