

## Frequently Asked Questions

**1. What is a double-piloted check valve?** A double-piloted check valve locks a cylinder in place and prevents any movement due to by-pass (up to 600 PSI) from the valve and will also give you a level of safety if a hose was to fail.

**2. Why does HayTools.com sell hydraulic toplinks with check valves?** Safety first is the main reason. OSHA and the EU require piloted check valves as a safety on agricultural and industrial equipment when an object is lifted with a hydraulic cylinder and has no mechanical safety catch.

**3. What size cylinder bore do I need on a hydraulic toplinek?** The working hydraulic pressure of most CAT 1 tractors ranges between 2200 . 3000 PSI. If you have a 2. hydraulic cylinder you will have the direct straight force of 5000-7000 LBS. If you use larger hydraulic cylinders then you risk exerting forces beyond the normal designed capacity of the tractor. CAT 1 tractors usually are not designed to lift more than 3000 Lbs with their 3-point lift. We do have larger hydraulic cylinders for CAT 2 applications.

**4. I do not see a cylinder with the exact same stroke as my OEM toplinek.**

You need to get a cylinder that will match the range of motion you normally use. If your OEM toplinek is 18-32. likely an 18-26.5. hydraulic toplinek will cover most of your applications. Most operations require use only of the first 60% of the OEM toplinek.

**5. Do I need both a hydraulic toplinek & hydraulic sidelink?** NO Customers with both a hydraulic toplinek and a hydraulic sidelink adjust only the toplinek 80% of the time and if they adjust the side link do so only once. The sidelink is beneficial to commercial landscapers that use a sidelink to adjust a boxblade for the desired contour.

**6. Can I use 2 hydraulic sidelinks?** We do not recommend use of 2 hydraulic sidelinks. If you are doing this so you can exert down pressure it is not a good idea to do this. Most 3-point systems are **not** designed for the added down pressure force and will prematurely fail and cause unsafe situations with the added down force.

**7. Where can I find other operators using hydraulic toplinks and Top and Tilt systems?**

<http://www.tractorbynet.com/forums/> Use the search feature and you will find many people using various systems.

**Please call or contact us with any questions you might have.**

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