

### Product Overview

XCompletion Hydraulic Stage Collar - XHSC hydraulically opened stage cementing tool is used to stage cement into the annulus over specific intervals. Staging cement is done where weak formations will not support the hydrostatic column of annular cement. This can occur when large volumes of cement are needed, and pumping time may become an issue, or when specific placement of cement over an interval is required.

XHSC features two internal sleeves that can be shifted hydraulically, depending upon the plug configuration used, to open the cementing ports. When the Flexible Indicating Plug lands on the landing / float collar, it pushes the 1st stage cement into the column, increasing the pressure causes the screws in the internal sleeve to shear and shifts the cementing ports open. Enabling the second-stage cement to pass through the ports into the annulus above the tool.

The closing plug when released, wipes the casing ID clean of cement before bumping on a closing seat connected to inner sleeve. Increased pressure shifts the closing seat downward, releasing locking lugs and closing the tool. A snap ring locks the sleeve in position, ensuring the Stage Collar remains locked.

### Applications

- Liners or subsea casing strings that require multiple-stage cementing due to weak formations or wellbore hydrostatics
- Use with an **XICP - patent pending packer** to cement the last casing string above openhole completions
- Integrated into **XICP - patent pending packer** to isolate formations with high temperature

### Features & Benefits

- Robust locking mechanism
- Field adjustable shear values
- Reduced drill out times
- Interchangeability between Hydraulic/Mechanical opening





## HYDRAULIC STAGE COLLAR

### Specifications

CASING SIZE	OPENING PRESSURE	CLOSING PRESSURE
(in.)	(psi)	(psi)
4 1/2	750/screw (4200 max.)	1500
5 1/2	440/screw (3520 max.)	1500
7	340/screw (3400 max.)	1200
7 5/8	600/screw (3600 max.)	1200
8 5/8	700/screw (4200 max.)	1000
9 5/8	600/screw (3800 max.)	1200
13 3/8	500/screw (3000 max.)	1000

*Note: Other sizes available on request*

*Available in sizes for their respective weight ranges with varying standard or exotic material based on compatibility with the well environment and application requirement. In addition, these are furnished with different end connections (Standard API BTC, LTC, STC) or premium thread connections to meet customer's requirements.*