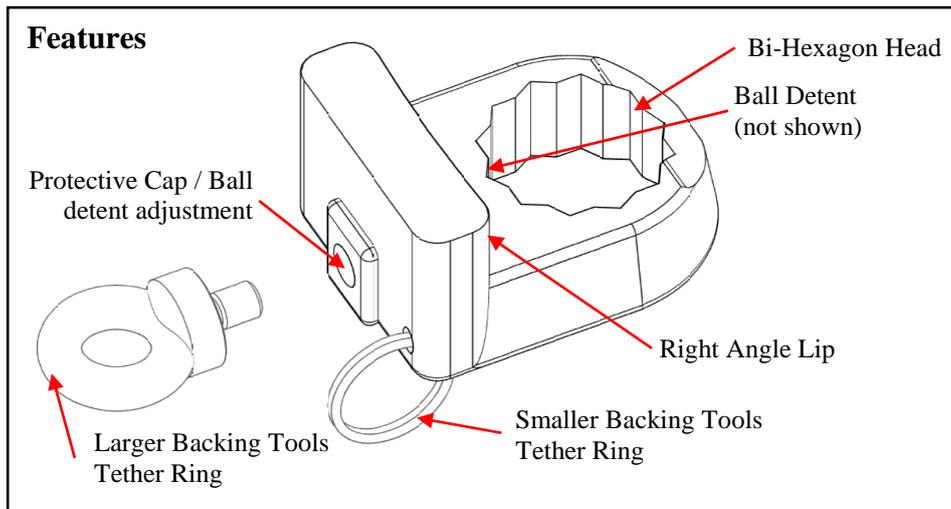


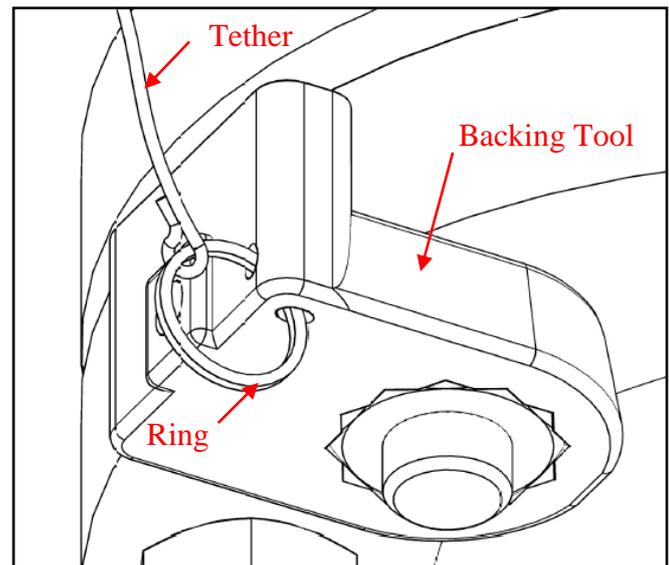
W. Christie “Hands Free Backing Tool” User Guide



- 1) Before beginning the fastening procedure. Make sure the work area is in safe condition and all personnel should wear applicable personal protective equipment (PPE).
- 2) Inspect the backing tool, ball detent & tether (not supplied) for any possible defects.
- 3) Push the backing tool over the nut or bolt head intended for the device. Make sure full contact is made and the right angle lip on the backing tool is suitably contacted with the outer diameter of the flange

NOTE: During the course of operating the backing tool, if more or less tension on the ball detent is required, remove the cap protecting the threads with an allen key and adjust the depth with a screw driver

- 4) Attach a suitable tether (not supplied) to the ring on the backing tool and the other end to a stationary object. As in any fastening operation, make sure the area below is clear.
- 5) The fastening operation is now ready for hands free backup. Keep hands free of the backing tool and apply necessary torque to the opposing side of the fastener.
- 6) Upon completion of tightening / loosening, the backing tool may be removed by hand. If necessary a hammer can be used on the tool for removal. Use the smallest hammer necessary. Make sure the tether is secure before removal begins.



NOTE: The backing tool is designed to enhance safety and effectiveness in the workplace. Proper care of the backing tool should be maintained.

CAUTION: The backing tool is designed for use when torquing, tightening and loosening flange bolted connections. The backing tool is not recommended for use in any abusive action that veers from reasonable safety practices, such as intentional stud shearing usually far exceeding torque safety factors resulting in possible damage of components involved and possible injury.