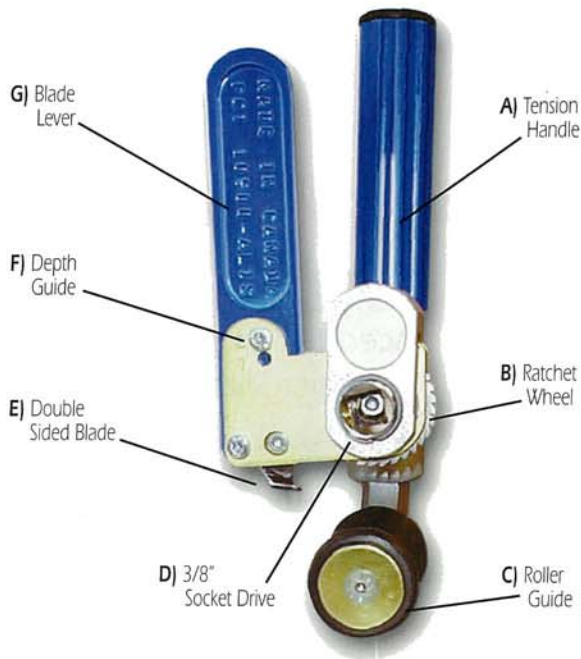


10900

ALIS Tool

ALIS is a mechanically assisted, hand operated tool that is designed to longitudinally slit long lengths of innerduct or cable duct.



Description

- A) Tension Handle** - Used to adjust the tool to different duct diameters. Turning the handle counterclockwise increases the opening, whereas clockwise decreases the opening.
- B) Ratchet Wheel** - The serrated teeth on the wheel propels the tool along the duct when used with a standard 3/8" ratchet drive
- C) Roller Guide** - Works to reduce friction and keep the tool moving in a straight line.
- D) Socket Drive** - A square hole which accepts a standard 3/8" socket drive.
- E) Double -Sided Blade** - Performs the actual slitting.
- F) Depth Guide** - Used to adjust blade cutting depth.
- G) Blade Lever** - It is manually activated by the operator when entering or exiting a duct at mid-span.

General Operation

Prior to starting the slitting operation:

- The operator must determine the outside diameter of the duct to be slit, the wall thickness, and whether the ALIS tool will enter the duct on an open-end, or mid-span.
- The blade setting is then adjusted to the thickness of the duct wall.
- Setting #1 is the minimum, and is used on thin walls, while setting #2 is used on the thicker walls. It is suggested that the ALIS tool be tried on setting #1 first at all times to ensure that cable located inside of the duct is not damaged. Should the ALIS tool not successfully penetrate the duct wall, move to setting #2 and retry.



Entering & exiting the duct

For an open end:

- Place the ALIS tool on the edge of the duct, with the blade resting against the cut or open end.
- Tighten the tension handle so that the tool is snug with the duct, insert the 3/8" ratchet drive, and start to ratchet the tool (ccw) so that it moves towards the user.

For a mid-span incision:

- Loosen the tension handle so that the tool can be placed around the duct at the required starting position.
- Once ALIS is in position, turn the tension handle in a clockwise direction until the tool fits snug on the duct.

- Insert the 3/8" ratchet drive, and at the same time as the operator is ratcheting the handle towards themselves, they are pushing the blade lever away, and into the duct.
- After three, or four pulls the blade should have fully penetrated the duct wall.
- Ratchet to desired exiting location.
- The first step to removing the ALIS from the duct is to ensure that the tool is very tight against the wall by turning the tension handle in a clockwise direction.
- The operator then turns the knob on the 3/8" ratchet drive to reverse the ratcheting direction, so that the ratchet wheel will now move in the opposite direction.

The following operations **MUST** now be performed at the same time.

- While operating the socket drive in the reverse direction, **PULL** the blade lever in the forward direction.
- The blade lever and ratchet drive should now be moving towards each other, and this action will cause ALIS to move backwards, effectively "popping" the blade out of the innerduct.

NEVER attempt to remove the blade by twisting the tool, as the blade will break.

Sold and Serviced By:
General Machine Products (KT), LLC
3111 Old Lincoln Hwy • Trevoise PA 19053
215.357.5500 www.gmptools.com info@gmptools.com

