



# Hydraulic Knockout Punch

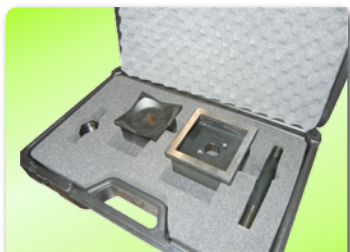


Fig. 1: Alfra Adapter Punch Kit includes Die set, Tension Screw and Case



Fig. 2: Slug is ejected out the side of die -- no prying

## You Have Options!

Exiscan's™ unique square aperture presents options for installation:

- Cut-off wheel or an Omni Dual-Saw® (small dual-bladed circular saw) — fastest way to cut the hole, but messy
- Nibbler (we like the Milwaukee® 6880) — a bit slower, but a bit cleaner
- Knockout punch — everyone's favorite for cleanliness and accuracy

## A Square Punch?

Yes, they make square punches. The Greenlee® 60177 or 60174 are off-the-shelf punches that work great for installing four-inch and three-inch XIR windows (respectively) on mild steel enclosures.

Or consider Exiscan™ custom configured punch kits (by Alfra Tools):

- Sized precisely for Exiscan™ inspection window apertures
- Easily cuts 12 gauge stainless steel — should cut forever on mild steel
- Integrated Pilot-Set Studs (center punches pilot holes for studs)
- Side-ejecting feature easily ejects slug after punching — no prying (fig.2)
- Kit includes punch, die, tension screw, lock nut, in hard case (fig.1)

## How do I Pull / Drive the Punch Set?

Alfra Adapter Punch Kits integrate with industry-standard hydraulic pumps. Exiscan™ also offers Alfra heavy-duty hydraulic pumps if needed. When selecting a pump, we recommend:

- Not less than 5,000 psi for 14 gauge mild steel
- Not less than 9,000 psi 12 gauge mild steel, or any stainless steel

Adapter Punch Kit	Description
<b>X-AAP-4064-X</b>	4"x6.4" Punch Set for XDV Series: Includes die set, Tension Screw and Case
<b>X-AAP-4040-X</b>	4"x4" Punch Set for XIR Series: Includes die set, Tension Screw and Case
<b>X-AAP-3030-X</b>	3"x3" Punch Set for XIR Series: Includes die set, Tension Screw and Case
Hydraulic Pumps	Description
<b>X-AHP-2120</b>	Hydraulic Foot Pump (Alfra catalog pg. 24)
<b>X-AHP-2140</b>	Air/Hydraulic Pump (Alfra catalog pg. 26)
<b>X-AHP-2025.110</b>	110V, Electric Hydraulic Pump (Alfra catalog pg. 26)

-- Available for Purchase or Weekly Rental --