

# Knockout Kits



## MANUAL KNOCKOUT KITS

Hardened alloy steel drive screws equipped with H-D ball bearings provide ease of operation and long life. Double end ratchet wrench included in Model R739BB provides speed and convenience.

- Precision-ground 3-point punch/die sets. Capacity to 2" in 10 gauge mild or 12 gauge stainless steel.
- H-D ball bearing drive screws.
- Sets include durable ABS storage case.
- Three kits available, including deluxe ratchet drive.

Catalog No.	Model No.	Description	Weight		Std. Pack
			lb.	kg	
31787	R735BB	½"-1 ¼" Ball Bearing Kit w/Case	6¼	2.8	1
31792	R737BB	1 ½"-2" Ball Bearing Kit w/Case	7½	3.3	
31797	R739BB	½"-2" Ball Bearing Kit w/Ratchet Wrench & Case	11	5	

## Accessories

Catalog No.	Model No.	Description	Weight		Std. Pack
			lb.	kg	
31802		3/8" Ball Bearing Bolt	1	0.4	3
31807	-	¾" Ball Bearing Bolt	1¾		2
31817		5/8" x 1" Ratchet Wrench	1½	0.7	1



## HYDRAULIC KNOCKOUT KITS

- Combines ease of hydraulic operation and precision-ground knockouts to provide clean, quick holes. Available with foot or hand pumps.
- Precision-ground 3-point punch/die sets. Capacity to 4" in 12 gauge mild or 14 gauge stainless steel.
- Powerful 11-ton hydraulic ram.
- Pumps equipped with internal safety relief valve.
- Ram and pump equipped with quick disconnect couplers.

Catalog No.	Model No.	Description	Weight		Std. Pack
			lb.	kg	
23477	HKO-186	½"-2" Hydraulic Kit w/Hand Pump (Includes 2 Draw Bolts, Draw Bar, Spacers, 3" Hose)	31¾	14.3	1
24587	HKO-1810	½"-4" Hydraulic Kit w/Hand Pump	61¼	27.7	

## Accessories

Catalog No.	Model No.	Description	Weight		Std. Pack
			lb.	kg	
17597		¾" Draw Bolt (F/Hyd Sets ¾"-4" P/D)	2¼	1	1
17602	-	¾" Draw Bolt (F/Hyd Sets ½" P/D)	½	0.2	
21847		3" Hyd Hose (Hand Pump)	3	1.4	
21857		10" Hyd Hose (Foot Pump)	7	3.2	
24537	8R111S	Ram (Same Ram - All Sets)	6¼	2.8	
24542	H-18	Hand Pump with Elbow	10	4.5	
24582	-	Spacer Group (Inc. Long, Med., Short Spacer)	1¼	0.5	