



# MODEL H0731-H0734 PLATE SHEAR INSTRUCTION SHEET

## Inventory

Plate Shear Assembly.....	1
Hex Bolts M10-1.5 x 40 (H0731-33) .....	2
Hex Bolts M12-1.75 x 40 (H0734).....	2
Flat Washers 10mm (H0731-33).....	2
Flat Washers 12mm (H0734) .....	2
Handle .....	1

## Shearing Capacities (Mild Steel)

MODEL	SIZE	MAX. SHEAR THICKNESS	MAX. ROD DIAMETER*
H0731	5"	9 gauge (5/32")	3/8"
H0732	6"	7 gauge (3/16")	7/16"
H0733	8"	7 gauge (3/16")	1/2"
H0734	12"	7 gauge (3/16")	1/2"

\* Rebar/All Thread

**Important:** *DO NOT attempt to shear hardened or stainless steel blocks or rod. You will damage or break your shear blades!*

## Assembly and Mounting

To assemble and mount your shear:

1. Secure the handle to the plate shear assembly using the included hex bolts and flat washers, as shown in the parts diagram on the next page.
2. Place the shear on the workbench, and use the holes in the base as a guide for drilling and attaching the shear to the workbench.
3. We recommend using through bolts (hex bolts that are secured through the workbench with flat washers and hex nuts). Otherwise, use lag screws with flat washers and fasten the lag screws directly into the workbench.

## **⚠WARNING**

**The upper and lower blades are very sharp! Always keep body parts well away from the cutting area, or serious injury may result!**



Figure 1. Models H0731-34 Plate Shears.

## Basic Operation and Maintenance

To perform basic shearing operations:

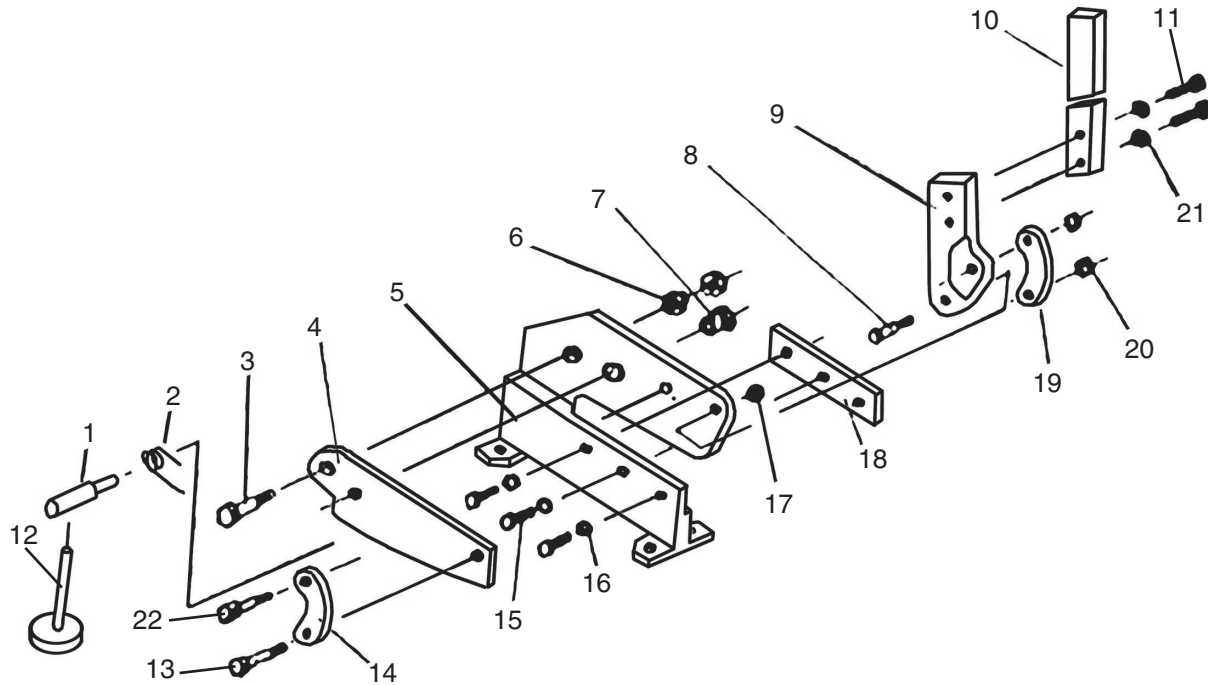
1. Raise the threaded stop if needed to allow room for the workpiece.
2. Turn the stop so the stop pad is firmly pressing the workpiece against the lower blade.
3. With slow and even pressure, pull the handle down to cut the workpiece.

**Note:** *If the material seems too thick or too hard, do not force the shear! Instead, use a metal-cutting bandsaw to cut the workpiece.*

- Always keep blades lubricated with a light oil.
- Keep pivot points tight.
- Check all shear hardware before every use for loose or worn components.

*If you need help with your new plate shear, call our Tech Support at: (570) 546-9663.*

# H0731-34 Parts Breakdown



## H0731-33 Parts List

REF	PART #	DESCRIPTION
1	PH0731001	SPRING SUPPORT ROD
2	PH0731002	TORSION SPRING
3	PH0731003	SPECIAL HEX BOLT M14-1.5 X 40
4	PH0731004	UPPER BLADE 5" (H0731)
4	PH0732004	UPPER BLADE 6" (H0732)
4	PH0733004	UPPER BLADE 8" (H0733)
5	PH0731005	SHEAR BODY (H0731)
5	PH0732005	SHEAR BODY (H0732)
5	PH0733005	SHEAR BODY (H0733)
6	PN42M	HEX NUT M14-1.5
7	PH0731007	BLADE FIXING PIN
8	PH0731008	SPECIAL HEX BOLT M10-1.5 X 50
9	PH0731009	HANDLE MOUNTING PLATE
10	PH0731010	HANDLE (H0731-32)
10	PH0733010	HANDLE (H0733)
11	PB31M	HEX BOLT M10-1.5 X 40
12	PH0731012	THREADED STOP M12-1.75 X 165
13	PH0731013	SPECIAL HEX BOLT M8-1.25 X 40
14	PH0731014	PIVOT ARM
15	PB74M	HEX BOLT M10-1.5 X 20
16	PW04M	FLAT WASHER 10MM
17	PN02M	HEX NUT M10-1.5
18	PH0731018	LOWER BLADE 5" (H0731)
18	PH0732018	LOWER BLADE 6" (H0732)
18	PH0733018	LOWER BLADE 8" (H0733)
19	PH0731019	PIVOT ARM
20	PN15M	HEX NUT M18-1.25
21	PW04M	FLAT WASHER 10MM
22	PH0731022	THREADED ROD M8-1.25 x 40

## H0734 Parts List

REF	PART #	DESCRIPTION
1	PH0734001	SPRING SUPPORT ROD
2	PH0734002	TORSION SPRING
3	PH0734003	SPECIAL HEX BOLT M18-1.5 X 50
4	PH0734004	UPPER BLADE 12"
5	PH0734005	SHEAR BODY
6	PN15M	HEX NUT M18-1.5
7	PH0734007	BLADE FIXING PIN
8	PH0734008	SPECIAL HEX BOLT M14-1.5 X 60
9	PH0734009	HANDLE MOUNTING PLATE
10	PH0734010	HANDLE
11	PB35M	HEX BOLT M12-1.75 X 40
12	PH0734012	THREADED STOP M12-1.75 X 165
13	PH0734013	SPECIAL HEX BOLT M14-1.5 X 60
14	PH0734014	PIVOT ARM
15	PB49M	HEX BOLT M12-1.75 X 20
16	PW06M	FLAT WASHER 12MM
17	PN42M	HEX NUT M14-1.5
18	PH0734018	LOWER BLADE 12"
19	PH0734019	PIVOT ARM
20	PN42M	HEX NUT M14-1.5
21	PW06M	FLAT WASHER 12MM
22	PH0734022	THREADED ROD M14-1.5 X 60

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