



# HAND SHEAR OPERATION MANUAL



## **WARNING**

Read and understand all instructions before using this tool. The operator must follow basic precautions to reduce the risk of personal injury and/or damage to the equipment.

## **HAZARD DEFINITIONS**

Please familiarize yourself with the hazard notices found in this manual. A notice is an alert that there is a possibility of property damage, injury or loss of life if certain instructions are not followed.

**DANGER!** This notice indicates an immediate and specific hazard that will result in severe personal injury or loss of life if the proper precautions are not taken.

**WARNING!** This notice indicates a specific hazard or unsafe practice that could result in severe personal injury or loss of life if the proper precautions are not taken.

**CAUTION!** This notice indicates a potentially hazardous situation that may result in minor or moderate injury if proper practices are not taken.

**NOTICE!** This notice indicates that a specific hazard or unsafe practice will result in equipment or property damage, but not personal injury.

## WORK AREA

1. Operate in a safe work environment, Keep your work area clean, well-lit and free of distractions. Place lights so you are not working in a shadow.
2. Keep anyone not wearing the appropriate safety equipment away from the work area.
3. Store unused tools properly in a safe and dry location to prevent rust or damage. Lock tools away and keep out of the reach of children.

## Usage

1. This machine is suitable for shearing carbon steel plate and bar. It can be used to shear non-ferrous metal or plastic plate and bar.

### 2. Main technical specification

Model	HS-5	HS-6	HS-8	HS-10	HS-12
Sheet steel	1/4"(6mm)	1/4"(6mm)	1/4"(6mm)	1/4"(6mm)	1/4"(6mm)
Flat steel	2-3/4" x 1/4" (70mm x 6mm)	2-3/4" x 1/4" (70mm x 6mm)	2-3/4" x 1/4" (70mm x 6mm)	2-3/4" x 1/4" (70mm x 6mm)	2-3/4" x 1/4" (70mm x 6mm)
Round steel	7/16"(11mm)	7/16"(11mm)	1/2"(13mm)	1/2"(13mm)	1/2"(13mm)
Blade length	5"(125mm)	6"(150mm)	8"(200mm)	10"(250mm)	12"(300mm)
Shipping Weight	26.5lbs(12kg)	30.8lbs(14kg)	39.7lbs(18kg)	50.7lbs(23kg)	57.3lbs(26kg)

### 3. Installation and caution

#### 3.1 Installation

3.1.1 Please check whether the part of this machine are fully equipped and not damaged according to the parts list or part figure.

3.1.2 This machine should be mounted on hard ground or specific stand (not supplied)

3.1.3 Please leave plenty room around the machine for your easy operating, in order to avoid injury.

3.1.4 Please remove the anti-rust grease on processing surfaces and some parts included kerosene.

#### 3.2 Caution

3.2.1 Please read the manual before operation and make yourself understand its structure and principle completely.

3.2.2 Please don't operate the material width and thickness than table list max. range.

3.2.3 When you shear the plate or bar which list in above table, you must be used lengthen handle in order to increase force.

3.2.4 Please don't touch the blade during operation.

### 4. Operation

This machine is pre-adjusted before out of factory. When you want to shear, please raise handle(8#), the upper blade(4#) will

put up, insert the work piece, then lower the handle(8#)to shear.

Before you shearing, you can adjust disc( 10#) to press the work piece.

## 5. Maintenance

Lubricate the rotating parts of the machine every day.

## 6. Parts list

Part#	description	qty	Part#	description	qty
1	shaft	1	12	screw	1
2	spring	1	13	screw	1
3	bolt	1	14	washer	2
4	upper blade	1	15	screw	1
5	body	1	16	rocker	2
6	nut	2	17	screw	3
7	lever	1	18	washer	3
8	handle	1	19	nut	1
9	screw	2	20	lower blade	1
10	disc	1	21	nut	2
11	sleeve	1			

## 7. Assembly diagram

