

The HSW 60 hydraulic steelworkers have five workstations and have been designed for punching, shearing, angle cutting, section cutting and notching. The punch station has been designed for the effortless punching of plate, angle iron and flanges of channel and beam. The punch, shear and notch station are equipped with tables with guides and stops for volume production. The angle station can cut material at any angle from 90 degrees to 45 degrees internal and external mitres with the aid of the adjustable hold down. The section cutting section is equipped with shear blades for fast cutting of round and square bar.

Machine Features

- Punch station with fully adjustable ram stroke
- Low power inching for tool alignment
- Angle station for cropping angle iron at any angle from 90° to 45° with either internal or external mitres
- Section cutting station for cropping round and square bar
- Shear station for cutting both thin and thick material without requiring blade gap or cutting angle adjustment. Can also be used for cropping the leg of angle iron
- 1 metre ruled length stop covering all cropping/shearing stations for repetitive work
- Notching station with rectangular notch tooling
- Centralised lubrication system
- Magnetic based halogen work light
- Comprehensive safety guards



HSW 60



PUNCH STATION



SHEAR STATION



ANGLE STATION



SECTION STATION



NOTCHING STATION

Optional Equipment

- Tooling for special applications
- Flat bar bending unit at notch end

TECHNICAL SPECIFICATIONS

MODEL STOCK CODE		HSW 45 M9001	HSW 60 M9002	HST 70 M9003	HST 95 M9004	HST 125 M9005	HST 175 M9006
PUNCHING							
Diameter x Maximum Thickness	mm	22 x 15	28 x 15	26 x 20	33 x 20	35 x 25	40 x 32
Maximum Diameter x Thickness	mm	38 x 8	38 x 11	57 x 10	57 x 12	57 x 16	57 x 22
Stroke Length	mm	50	55	55	80	80	80
Throat Depth	mm	175	220	305	355	355	625
Largest Hole Diameter - Standard	mm	38	38	38	57	57	57
Largest Hole Diameter - Optional	mm	110	110	160	160	225	225
SHEARING							
Flat Bar - Width x Maximum Thickness	mm	200 x 15	200 x 20	300 x 20	380 x 20	380 x 25	380 x 30
Flat Bar - Maximum Width x Thickness	mm	300 x 12	300 x 15	375 x 15	480 x 15	600 x 15	600 x 20
Angle Flange Trim - max 45°	mm	80 x 10	80 x 10	100 x 15	120 x 15	120 x 15	120 x 15
ANGLE CUTTING							
90° Cut	mm	100 x 10	127 x 12	130 x 13	150 x 15	150 x 18	200 x 20
45° Mitre (true int./ext.)	mm	70 x 6	80 x 8	70 x 10	80 x 8	80 x 10	80 x 10
SECTION CUTTING							
Round/Square	mm	30/25	40/35	45	50	55	65/55
Channel/Beam - (Optional)	mm	80 x 45	80 x 45	120 x 58	160 x 74	200 x 100	300 x 125
Tee - (Optional)	mm	40 x 5	40 x 5	90 x 11	100 x 11	120 x 12	150 x 15
NOTCHING							
Material Thickness	mm	8	10	10	13	13	16
Width - Rectangle	mm	35	42	45	52	60	60
Depth - Rectangle	mm	75	100	90	100	100	100
Depth - Vee	mm	60	60	60	70	80	80
TUBE NOTCH (OPTIONAL)							
Maximum Outside Diameter	mm	60	60	83	108	108	165
BENDING (OPTIONAL)							
Bar Bending - Maximum Capacities	mm	100 x 12	150 x 12	250 x 13	250 x 20	250 x 22	250 x 25
Sheet Bending - Maximum Capacities	mm	—	—	500 x 3	500 x 3	700 x 3	700 x 4
PUNCHING AT NOTCH STATION (OPTIONAL)							
Throat Depth	mm	85	110	125	125	125	125
Maximum Capacity - Diameter x Thickness	mm	18 x 12	20 x 12	38 x 8	38 x 10	38 x 12	38 x 13
TECHNICAL DATA							
Motor Power	kW	4	4	5.5	7.5	11	11
Weight	kg	1180	1440	1620	2430	3080	6000
Length	mm	1450	1520	1700	1920	2040	2730
Width	mm	590	590	710	790	800	1120
Height	mm	1620	1700	1800	1910	2030	2160
based on material strength of 450 N/mm ²							