

TECHNICAL SPECIFICATION

Morgan Rushworth HSW 45 Hydraulic Steelworker

Stock Code: M9001



The HSW 45 is a compact universal hydraulic steelworker with 5 workstations and has been designed for volume production with maximum efficiency. Punching, shearing, cropping and notching can be carried out instantly by pressing the moveable foot pedal. The low power inch mode on each workstation enables correct workpiece positioning and tool alignment. Limit-switches allow accurate adjustment of the stroke length to minimise operational time depending on material thickness. At the angle cutting station, angle iron can be cut on every angle from 45° up to 90°, both internal and external with standard tooling. The machine is supplied with a centralised lubrication system ensuring a easy, simple maintenance programme. Adjustable hold-downs are situated on all work stations to ensure safe and accurate processing of material. A 1M ruled length stop is supplied as standard equipment.





Features

PUNCH STATION

Easy tool change system and swing away stripper with fast manual adjustment ensure a quick setup.

ANGLE STATION

Angle iron can be cut at any angle between 45° and 90°, with either internal or external mitres.

SECTION CUTTING STATION

Cropping of round and square bar is easily performed with the standard blades. Optional blades and hold downs are available to crop special profiles.

SHEARING STATION

Specially designed blade approach angle cuts thin and thick material with minimum distortion.

NOTCHING STATION

This versatile unit is equipped with a rectangular notch unit as standard.

Technical Specification

MODEL HSW 45 Punching 22 x 15 - Max Dia x Thickness mm 38 x 8 - Stroke length mm 50 - Throat depth mm 175 - Largest hole dia - standard mm 38 - Largest hole dia - optional mm 110 Shearing 200 x 15 - Flat bar - width x max thickness mm 200 x 15 - Flat bar - width x max thickness mm 300 x 12 - Angle flange trim - max 45° mm 80 x 10 Angle cutting 90° cut mm 100 x 10 - 45° mitre mm 70 x 6 Section cutting 80 x 45 - Channel / beam - optional mm 80 x 45 - Tee - optional mm 40 x 5 Notching 8 - Material thickness mm 8 - Width - rectangle mm 75 - Depth - vee mm 60 Tube Notch (Optional) 90 - Max outside diameter mm 60 Bending (Optional) 90 - Sheet bending - max capacities mm 90 - Punching at Notch Station (Optional) 90	Technical Specification	
- Dia x Max Thickness mm 22 x 15 - Max Dia x Thickness mm 38 x 8 - Stroke length mm 50 - Throat depth mm 175 - Largest hole dia - standard mm 38 - Largest hole dia - optional mm 110 Shearing - Flat bar - width x max thickness mm 200 x 15 - Flat bar - max width x thickness mm 300 x 12 - Angle flange trim - max 45° mm 80 x 10 Angle cutting - 90° cut mm 100 x 10 - 45° mitre mm 70 x 6 Section cutting - Round / square mm 30 / 25 - Channel / beam - optional mm 80 x 45 - Tee - optional mm 40 x 5 Notching - Material thickness mm 8 - Width - rectangle mm 75 - Depth - rectangle mm 75 - Depth - vee mm 60 Ending (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm - 100 x 12 - Sheet bending - max capacities mm - 2 Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Width mm 590	MODEL	HSW 45
- Max Dia x Thickness mm 50 - Stroke length mm 50 - Throat depth mm 175 - Largest hole dia - standard mm 38 - Largest hole dia - optional mm 110 Shearing - Flat bar - width x max thickness mm 200 x 15 - Flat bar - max width x thickness mm 300 x 12 - Angle flange trim - max 45° mm 80 x 10 Angle cutting - 90° cut mm 100 x 10 - 45° mitre mm 70 x 6 Section cutting - Round / square mm 30 / 25 - Channel / beam - optional mm 80 x 45 - Tee - optional mm 40 x 5 Notching - Material thickness mm 8 - Width - rectangle mm 75 - Depth - rectangle mm 75 - Depth - vee mm 60 Tube Notch (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Width mm 590	Punching	
- Stroke length mm	- Dia x Max Thickness mm	22 x 15
- Throat depth mm	- Max Dia x Thickness mm	38 x 8
- Largest hole dia - standard mm 110 Shearing - Flat bar - width x max thickness mm 200 x 15 - Flat bar - max width x thickness mm 300 x 12 - Angle flange trim - max 45° mm 80 x 10 Angle cutting - 90° cut mm 100 x 10 - 45° mitre mm 70 x 6 Section cutting - Round / square mm 30 / 25 - Channel / beam - optional mm 80 x 45 - Tee - optional mm 40 x 5 Notching - Material thickness mm 8 - Width - rectangle mm 75 - Depth - vee mm 60 Tube Notch (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Width mm 590	- Stroke length mm	50
- Largest hole dia - optional mm 110 Shearing - Flat bar - width x max thickness mm 200 x 15 - Flat bar - max width x thickness mm 300 x 12 - Angle flange trim - max 45° mm 80 x 10 Angle cutting - 90° cut mm 100 x 10 - 45° mitre mm 70 x 6 Section cutting - Round / square mm 30 / 25 - Channel / beam - optional mm 80 x 45 Tee - optional mm 40 x 5 Notching - Material thickness mm 8 - Width - rectangle mm 75 - Depth - rectangle mm 75 - Depth - vee mm 60 Tube Notch (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Throat depth mm	175
Shearing 200 x 15 - Flat bar - width x max thickness mm 300 x 12 - Angle flange trim - max 45° mm 80 x 10 Angle cutting 100 x 10 - 90° cut mm 100 x 10 - 45° mitre mm 70 x 6 Section cutting 80 x 45 - Round / square mm 30 / 25 - Channel / beam - optional mm 40 x 5 Notching 8 - Material thickness mm 8 - Width - rectangle mm 35 - Depth - rectangle mm 75 - Depth - vee mm 60 Tube Notch (Optional) 8 - Max outside diameter mm 60 Bending (Optional) 9 - Sheet bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm 100 x 12 - Sheet bending - dia x thickness mm 18 x 12 Technical Data 18 x 12 Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Largest hole dia - standard mm	38
- Flat bar - width x max thickness mm	- Largest hole dia - optional mm	110
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Angle cutting - 90° cut mm	- Flat bar - max width x thickness mm	300 x 12
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Section cutting - Round / square mm - Round / square mm - Channel / beam - optional mm - Tube Notching - Depth - rectangle mm - Depth - vee mm - Depth - vee mm - Depth - vee mm - Max outside diameter mm - Bar bending - max capacities mm - Sheet bending - max capacities mm - Throat depth mm - Max capacity - dia x thickness mm - Max capacity - dia x thickness mm - Max capacity - dia x thickness mm - Nett weight kg - Length mm - Width mm - S90	- 90° cut mm	100 x 10
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Notching - Material thickness mm - Width - rectangle mm - Depth - rectangle mm - Depth - vee mm - Depth - vee mm - Depth - vee mm - Max outside diameter mm - Max outside diameter mm - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm - Max capacity - dia x thickness mm - Motor power kW - Nett weight kg - Length mm - Width mm - Shoot max capacities mm - 18 x 12	- Channel / beam - optional mm	80 x 45
- Material thickness mm 8 - Width - rectangle mm 35 - Depth - rectangle mm 75 - Depth - vee mm 60 Tube Notch (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Tee - optional mm	40 x 5
- Width - rectangle mm - Depth - rectangle mm - Depth - vee mm - Depth - vee mm - Depth - vee mm - Max outside diameter mm - Bar bending (Optional) - Bar bending - max capacities mm - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm - Max capacity - dia x thickness mm - Motor power kW - Nett weight kg - Length mm - S50	Notching	
- Depth - rectangle mm 75 - Depth - vee mm 60 Tube Notch (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Material thickness mm	8
- Depth - vee mm 60 Tube Notch (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Width - rectangle mm	35
Tube Notch (Optional) - Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Depth - rectangle mm	75
- Max outside diameter mm 60 Bending (Optional) - Bar bending - max capacities mm 100 x 12 - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm 85 - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Depth - vee mm	60
Bending (Optional) - Bar bending - max capacities mm - Sheet bending - max capacities mm - Punching at Notch Station (Optional) - Throat depth mm - Max capacity - dia x thickness mm 18 x 12 Technical Data - Motor power kW - Nett weight kg 1180 - Length mm 1450 - Width mm 590	Tube Notch (Optional)	
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Technical Data - Motor power kW - Nett weight kg - Length mm 1450 - Width mm 590	- Throat depth mm	85
- Motor power kW 4 - Nett weight kg 1180 - Length mm 1450 - Width mm 590	- Max capacity - dia x thickness mm	18 x 12
- Nett weight kg 1180 - Length mm 1450 - Width mm 590	Technical Data	
- Length mm 1450 - Width mm 590	- Motor power kW	4
- Width mm 590	- Nett weight kg	1180
	- Length mm	1450
- Height mm 1620	- Width mm	590
	- Height mm	1620