METALEX | Dual Cylinder Steelworker Series

RON MACK MACHINERY

HIW-80 pictured

Features

- 60 / 80 / 100 / 125 / 140 / 175 Ton capacities
- Dual cylinder design
- Heavy duty construction from quality steel
- Supplied with 5 round punches & dies
- Easy change punch holder, ring and adaptors
- Swing away punch stripper unit
- Universal die bolster
- Heavy duty support tables with guides
- Low power inch mode & adjustable stroke
- Comprehensive safety guards

Overview

5 workstations

Dual cylinder design
Heavy duty construction from high quality steel
5 round punches & dies – 12, 14, 18, 20 & 22 mm
Easy change punch holder, ring and adaptors
Swing away punch stripper unit
Universal die bolster
Heavy duty support tables with guides at shear & notch station
Heavy duty punch table with guides & backstop
Robust quick adjusting plate hold downs
Power inching and adjustable strokes at punch & shear end
Switch selection between punching & shearing stations
Centralised pressure lubrication
Automatic overload relief on hydraulic system
Comprehensive safety guards to all work stations
Shielded foot pedal control to both punch & shear ends
1 meter ‘touch & cut’ ruled length stop
Supplied with low voltage work light
Supplied with service toolkit
Instruction, operating & maintenance manual
Supplied with a full tank of hydraulic fluid

Available dual cylinder models:

HIW-60DC
HIW-80
HIW-100
HIW-125
HIW-140
HIW-175

Specifications

Note: measurements in mm unless specified otherwise

Main Capacities	L	—	▱
HIW-60DC	130 x 13 mm	230 x 20 mm	29 x 15 mm
HIW-80	150 x 13 mm	300 x 20 mm	28 x 20 mm
HIW-100	150 x 15 mm	380 x 20 mm	27 x 25 mm

	Model	HIW-60DC	HIW-80	HIW-100
Punching	Rated capacity	60 Ton	80 Ton	100 Ton
	Maximum capacity	29 x 15	28 x 20	27 x 25
	Diameter & thickness	Ø57 x 8	Ø57 x 10	Ø57 x 12
	Stroke length	55	55	80
	Speed – 20mm travel	20 cycles / min	20 cycles / min	20 cycles / min
	Throat depth	305	305	355
	Largest hole (standard)	57	57	57
	Largest hole (option)	160	160	160
	Max. section flange punch	305	305	305
	Working height	1030	1090	1040
Shearing	Flat bar max. thickness	230 x 20	300 x 20	380 x 20
	Flat bar max. width	375 x 10	450 x 15	480 x 15
	Length of blade	405	483	500
	Angle flange trim – max. 45°	100 x 15	100 x 15	120 x 15
	Working height	890	890	890
Angle Cutting	90° cut	130 x 13	150 x 13	150 x 15
	45° mitre (true internal / external)	70 x 10	70 x 10	80 x 10
	Working height	1130	1155	1155
Section Cutting	Round / square	45 / 45	45 / 45	50 / 50
	Section blades – round	16, 25, 45	16, 25, 45	20, 30, 50
	Section blades – square	20, 45	20, 45	30, 50
	Channel / beam (optional)	130 x 65	130 x 65	160 x 90
	Tee (optional)	90 x 12	90 x 12	100 x 12
	Working height	1175	1175	1170
Notching	Material thickness	10	12	13
	Width – rectangle	45	40	52
	Depth – rectangle	90	90	100
	Depth – Vee (option)	60	60	70
	Angle flange – max. profile (option)	100 x 10	100 x 10	100 x 13
	Working height	890	890	890
Technical Data	Motor power	7.5 HP	10HP	15HP
	Net weight	1650 kg	2000 kg	3100 kg
	Gross weight	1800 kg	2200 kg	3300 kg
	Packed dimensions (L x W x H), cm	221 x 90 x 201	226 x 90 x 209	229 x 101 x 217
Option Accessories	Corner notch – max. capacity	250 sq x 6	250 sq x 6	250 sq x 6
	Tube notch – max. outside diameter	83	83	108
	Bending - bar bend max. capacity	250 x 12	250 x 15	250 x 20
	Bending - sheet bend max. capacity	500 x 3	500 x 3	500 x 3
	Punching at notching station – throat depth	125	125	125
	Punching at notching station – max. capacity	38 x 7	38 x 8	38 x 10

Specifications based on material strength of 450 N/mm² tensile.

Specifications

Note: measurements in mm unless specified otherwise

Main Capacities	∟	—	▱
HIW-125	150 x 18 mm	380 x 25 mm	35 x 25 mm
HIW-140	150 x 18 mm	400 x 25 mm	39 x 25 mm
HIW-175	200 x 20 mm	380 x 30 mm	40 x 32 mm

	Model	HIW-125	HIW-140	HIW-175
Punching	Rated capacity	125 Ton	140 Ton	175 Ton
	Maximum capacity	35 x 25	39 x 25	40 x 32
	Diameter & thickness	Ø57 x 16	Ø57 x 17	Ø57 x 22
	Stroke length	80	80	80
	Speed – 20mm travel	20 cycles / min	20 cycles / min	20 cycles / min
	Throat depth	355	355	625
	Largest hole (standard)	57	57	57
	Largest hole (option)	225	225	225
	Max. section flange punch	305	305	380
	Working height	1060	1060	1134
Shearing	Flat bar max. thickness	380 x 25	400 x 25	380 x 30
	Flat bar max. width	600 x 15	450 x 20	600 x 20
	Length of blade	620	620	620
	Angle flange trim – max. 45°	120 x 15	120 x 15	120 x 15
	Working height	900	800	850
Angle Cutting	90° cut	150 x 18	150 x 18	200 x 20
	45° mitre (true internal / external)	80 x 10	80 x 10	80 x 10
	Working height	1160	1160	1160
Section Cutting	Round / square	55 / 55	55 / 55	65 / 55
	Section blades – round	20, 40, 55	20, 40, 55	20, 25, 30, 40, 65
	Section blades – square	30, 40, 55	30, 40, 55	25, 40, 55
	Channel / beam (optional)	200 x 100	200 x 100	300 x 125
	Tee (optional)	120 x 12	120 x 12	150 x 15
	Working height	1170	1170	1170
Notching	Material thickness	13	13	16
	Width – rectangle	60	60	60
	Depth – rectangle	100	100	100
	Depth – Vee (option)	80	80	80
	Angle flange – max. profile (option)	100 x 13	100 x 13	100 x 14
	Working height	900	900	900
Technical Data	Motor power	15 HP	15HP	20HP
	Net weight	3400 kg	3500 kg	5500 kg
	Gross weight	3600 kg	3700 kg	5800 kg
	Packed dimensions (L x W x H), cm	230 x 102 x 221	232 x 107 x 221	287 x 135 x 224
Option Accessories	Corner notch – max. capacity	250 sq x 6	250 sq x 6	250 sq x 6
	Tube notch – max. outside diameter	108	108	165
	Bending - bar bend max. capacity	250 x 22	250 x 22	250 x 25
	Bending - sheet bend max. capacity	700 x 3	700 x 3	700 x 4
	Punching at notching station – throat depth	125	125	125
	Punching at notching station – max. capacity	38 x 12	38 x 12	38 x 13

Specifications based on material strength of 450 N/mm² tensile.