

Product Brochure For L191D

CL-38A - Centre Lathe

Ø410 x 1000mm Turning Capacity - Ø52mm Spindle Bore
Includes Digital Readout System & Quick Change Toolpost

On Sale

Ex GST

Inc GST

\$14,102.00

\$16,217.30

\$12,000.00

\$13,800.00



ORDER CODE:	L191D
MODEL:	CL-38A
Swing Over Bed (mm):	410
Distance Between Centres (mm):	1000
Spindle Bore (mm):	52
Swing In Gap (mm):	580
Swing Over Cross-slide (mm):	255
Digital Readout System Fitted:	Yes
Quick Change Toolpost Fitted:	Yes
Leadscrew Covers Fitted:	Yes
Taper Turning Attachment:	~
Coolant System:	Yes
Tool Height To Suit (mm):	20
Centre Height (mm):	205
Spindle Nose Size or Type:	D1-6 Camlock
Bed Width (mm):	250
Headstock Spindle Taper (MT):	6
Tailstock Taper (MT):	4
Cross Slide Travel (mm):	210
Compound Slide Travel (mm):	140
Leadscrew Type:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	0.025 - 0.85
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.05 - 1.7
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
Metric Thread Steps & Pitch (No. / mm):	39 (0.2 - 14)
Imperial Thread Steps & TPI (No. / TPI):	45 (2 - 72)
3 Jaw Chuck Diameter (mm):	200
4 Jaw Chuck Diameter (mm):	250
Spindle Steps / Speeds (No. / rpm):	16 (45 - 1800)
Motor Power (kW / hp):	3.3 / 4.5
Voltage / Amperage (V / amp):	415
Nett Weight (kg):	1550

Features

- 2 axis digital readout system
- Quick change toolpost
- Triple bearings supporting headstock spindle
- Adjustable taper roller bearings providing spindle accuracy
- Precision 'V'-beds & headstock gears are all hardened & ground
- One piece cast iron base increases rigidity
- Overload protection on drive motor and coolant system
- Universal enclosed gearbox incorporating metric & imperial thread capabilities
- Inching button incorporated on the control panel for convenient spindle speed selection
- Foot operated spindle brake with safety cut out switch
- 250mm wide induction hardened heavy duty cast iron bed
- Removable gap bed allowing work piece to swing up to 580mm
- Chuck guard fitted with safety micro switch
- Powered longitudinal and cross feeds
- Adjustable 6 position length-stop on bed-way for accurate repetitive operation
- Dual calibrated dials incorporating metric & imperial graduations

Product Brochure For L191D

- Coolant system with flexible hose enabling operator to manipulate flow direction
- Oil sight glass for head stock and gearbox
- Low voltage halogen work light
- Lubrication pump on saddle oiling slides
- D1-6 camlock spindle for quick chuck removal
- Large 52mm spindle bore
- 2 speed, 4.5hp, 415V motor

Includes

- 2 Axis digital readout system
- Quick change toolpost
- Concertina leadscrew covers
- 200mm 3-jaw chuck with reverse jaws
- 250mm 4-jaw chuck
- Face plate
- Fixed steady with roller bearings
- Travelling steady with roller bearings
- Dead centres
- Thread chasing dial
- Foot brake
- Coolant system
- Work light
- Rear splash guard
- Spindle reducing bush

Specific Features



Left View



2 Axis SINO Digital Readout



Safety Chuck Guard



V Bed



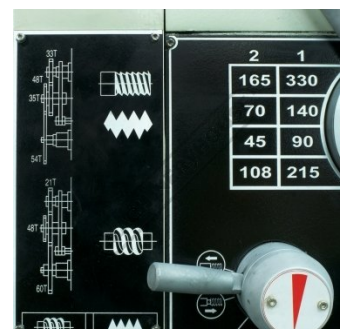
Head Stock Control



Speed Selectors



Feed Gearbox



Back Gear Set Up Chart

Product Brochure For L191D

mm			inches		
mod	C	dp	C	ins	dp
3	HCT2	0.50	LCT1W	0.02	
4	HCT3	0.65	LCT2W	0.022	
5	HCT4	0.80	LCT3W	0.023	
6	HCT5	0.95	LCT4W	0.024	
7	HCT6	1.10	LCT5W	0.025	
8	HCT7	1.25	LCT6W	0.026	
9	HCT8	1.40	LCT7W	0.027	
10	HCT9	1.55	LCT8W	0.028	
11	HCT10	1.70	LCT9W	0.029	
12	HCT11	1.85	LCT10W	0.030	
13	HCT12	2.00	LCT11W	0.031	
14	HCT13	2.15	LCT12W	0.032	
15	HCT14	2.30	LCT13W	0.033	
16	HCT15	2.45	LCT14W	0.034	
17	HCT16	2.60	LCT15W	0.035	
18	HCT17	2.75	LCT16W	0.036	
19	HCT18	2.90	LCT17W	0.037	
20	HCT19	3.05	LCT18W	0.038	
21	HCT20	3.20	LCT19W	0.039	
22	HCT21	3.35	LCT20W	0.040	
23	HCT22	3.50	LCT21W	0.041	
24	HCT23	3.65	LCT22W	0.042	
25	HCT24	3.80	LCT23W	0.043	
26	HCT25	3.95	LCT24W	0.044	
27	HCT26	4.10	LCT25W	0.045	
28	HCT27	4.25	LCT26W	0.046	
29	HCT28	4.40	LCT27W	0.047	
30	HCT29	4.55	LCT28W	0.048	
31	HCT30	4.70	LCT29W	0.049	
32	HCT31	4.85	LCT30W	0.050	
33	HCT32	5.00	LCT31W	0.051	

Module and Diametral Pitch and Feed Chart

mm					
C					
0.2	LCT1Z	1.2	LCR6Z	5.0	HCS3Y
0.25	LCT2Z	1.25	LCS3Y	5.5	HCS4Y
0.25	LCT3Z	1.3	LCR7Z	5.0	HCS8Y
0.3	LCT6Z	1.4	LCR8Z	6.5	HCS7Y
0.35	LCT8Z	1.5	LCS2Y	7	HCS8Y
0.4	LCS1Z	1.75	LCS8Y	8	HCR1Y
0.45	LCS2Z	2.0	LCR1Y	9	HCR2Y
0.5	LCS3Z	2.25	LCR2Y	10	HCR3Y
0.6	LCS6Z	2.5	LCR3Y	11	HCR4Y
0.7	LCS8Z	2.75	LCR4Y	12	HCR8Y
0.75	LCT6Y	3.0	LCR6Y	13	HCR7Y
0.9	LCR1Z	3.25	LCR7Y	14	HCR8Y
0.9	LCR2Z	3.5	LCR8Y	KEEP HAIF	
1.0	LCR3Z	4.0	HCR3Z	NUTS	
1.1	LCR4Z	4.5	HCS2Y	ENGAGRD	

Thread Chart Metric

in					
V					
72	LAR6V	22	LSB4V	7 1/2	HAS3V
60	LAR3V	20	LBS3V	7	HBS8V
56	LBR6V	19	LCS2V	6	HBS8V
54	LAR2V	18	LBS2V	5	HBS3V
48	LBR6V	18	LBS1V	4 1/2	HBS2V
44	LBR4V	15	LAT3V	4	HBS1V
40	LBR3V	14	LBTV8V	3 3/4	HAT3V
36	LAS6V	13 1/2	LAT2V	3 1/2	HBT8V
32	LBR1V	13	LBTV7V	3 1/4	HBT7V
30	LAS3V	12	LBTV6V	3	HBT6V
28	LBS6V	11 1/2	LBTV5V	2 3/8	HBT5V
27	LAS2V	11	LBTV4V	2 3/4	HBT4V
25	LBTV7V	10	LBTV3V	2 1/2	HBT3V
24	LBS6V	9	LBTV2V	2 1/4	HBT2V
23	LBS5V	8	LBTV1V	2	HBT1V

Inch Thread Chart



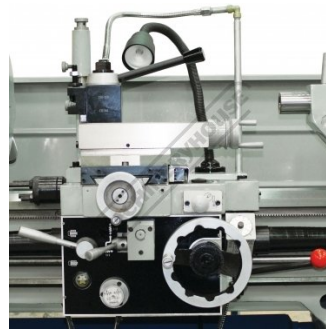
Leadscrew Covers



Saddle



Saddle Left View



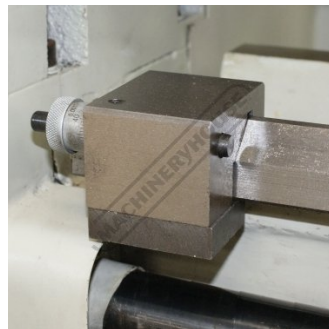
Saddle Front View



One Shot Slide Way Lubrication



Foot Break



Saddle Stop



Adjustable 4 Position Saddle Stop



Spindle Engagement Handle



Thread Chasing Dial



Feed and Threading Lever



Cross Feed Handle



Saddle Hand Wheel

Product Brochure For L191D



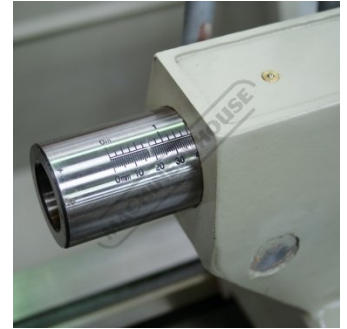
Compound Side Hand Wheel



Quick Change Toolpost Rear View



Tailstock



Tailstock Quill Scale



Tailstock Hand Wheel

Recommended Accessories

2JA6051
TOOL HOLDER FOR QCTP

L046
Right Hand Turning Tool Holder

L047
Left Hand Turning Tool Holder

L039
Right Hand Turning Tool Holder



Product Brochure For L191D

L040
Left Hand Turning Tool Holder



L452
Lathe Turning Tool Kit - 3 piece Insert Type



L458
Lathe Threading Tool Kit - Insert Type



L466
Professional Lathe Parting Tool Kit - Insert Type



C054
4MT Live Centre



C046
4MT Pipe Centre - 70° Cone



C290
Heavy Duty Drill Chuck - Keyed Type



C294
Industrial Drill Chuck - Keyless Type



D454A
4MT x JT3 Drill Chuck Arbor



D424
Drill Sleeve - Morse Taper



D422
Drill Sleeve - Morse Taper



D126
Metric Precision HSS Drill Set - 170 Pieces



Product Brochure For L191D

D1272
Metric Precision HSS Drill Set -
25 Piece



D1282
Imperial Precision HSS Drill Set
- 29 Piece



D119
Metric 2MT HSS Drill Set



G660
Lathe Leadscrew Cover Kit



S090A
Soluble Metal Cutting Fluid - 1
Litre



S090
Soluble Metal Cutting Fluid - 5
Litre



S076
Cutting Tool Lubricant Fluid -
500ml



S074
Cutting Tool Lubricant Paste -
500g



S091
Soluble Metal Cutting Fluid - 20
Litre



A358
Sky Hook Lifting Device



A358A
Chuck Hook



L300
Magnetic Swarf Remover



Product Brochure For L191D

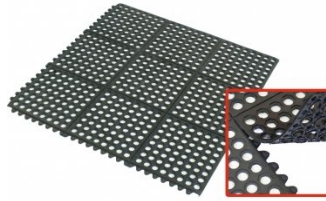
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O043
Rust & Corrosion Preventive -
Penetrant & Lubrication



O042
General Purpose Lubricant &
Corrosion Inhibitor



O044
Rust & Corrosion Preventive -
Penetrant & Lubrication

