

Product Brochure For L191D

Centre Lathe - CL-38A

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

On Sale

Ex GST

Inc GST

\$12,450.00

\$13,695.00

\$11,500.00

\$12,650.00



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



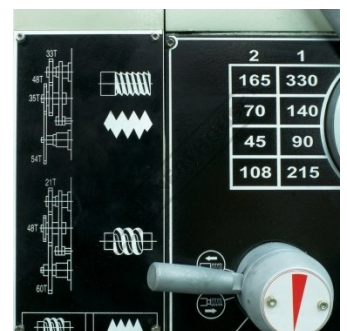
Head Stock Control



Speed Selectors



Feed Gearbox



Back Gear Set Up Chart

Product Brochure For L191D

mod	dp	mm		in	
C	C	C		ins	
HCT12	HBR4	0.50	LCT1W	0.02	
HCT12	HBR4	0.50	LCT2W	0.022	
HCT12	HBR4	0.50	LCT3W	0.023	
HCT12	HBR4	0.50	LCT4W	0.024	
HCT12	HBR4	0.50	LCT5W	0.025	
HCT12	HBR4	0.50	LCT6W	0.026	
HCT12	HBR4	0.50	LCT7W	0.027	
HCT12	HBR4	0.50	LCT8W	0.028	
HCT12	HBR4	0.50	LCT9W	0.029	
HCT12	HBR4	0.50	LCT10W	0.030	
HCT12	HBR4	0.50	LCT11W	0.031	
HCT12	HBR4	0.50	LCT12W	0.032	
HCT12	HBR4	0.50	LCT13W	0.033	
HCT12	HBR4	0.50	LCT14W	0.034	
HCT12	HBR4	0.50	LCT15W	0.035	
HCT12	HBR4	0.50	LCT16W	0.036	
HCT12	HBR4	0.50	LCT17W	0.037	
HCT12	HBR4	0.50	LCT18W	0.038	
HCT12	HBR4	0.50	LCT19W	0.039	
HCT12	HBR4	0.50	LCT20W	0.040	
HCT12	HBR4	0.50	LCT21W	0.041	
HCT12	HBR4	0.50	LCT22W	0.042	
HCT12	HBR4	0.50	LCT23W	0.043	
HCT12	HBR4	0.50	LCT24W	0.044	
HCT12	HBR4	0.50	LCT25W	0.045	
HCT12	HBR4	0.50	LCT26W	0.046	
HCT12	HBR4	0.50	LCT27W	0.047	
HCT12	HBR4	0.50	LCT28W	0.048	
HCT12	HBR4	0.50	LCT29W	0.049	
HCT12	HBR4	0.50	LCT30W	0.050	
HCT12	HBR4	0.50	LCT31W	0.051	
HCT12	HBR4	0.50	LCT32W	0.052	
HCT12	HBR4	0.50	LCT33W	0.053	
HCT12	HBR4	0.50	LCT34W	0.054	
HCT12	HBR4	0.50	LCT35W	0.055	
HCT12	HBR4	0.50	LCT36W	0.056	
HCT12	HBR4	0.50	LCT37W	0.057	
HCT12	HBR4	0.50	LCT38W	0.058	
HCT12	HBR4	0.50	LCT39W	0.059	
HCT12	HBR4	0.50	LCT40W	0.060	
HCT12	HBR4	0.50	LCT41W	0.061	
HCT12	HBR4	0.50	LCT42W	0.062	
HCT12	HBR4	0.50	LCT43W	0.063	
HCT12	HBR4	0.50	LCT44W	0.064	
HCT12	HBR4	0.50	LCT45W	0.065	
HCT12	HBR4	0.50	LCT46W	0.066	
HCT12	HBR4	0.50	LCT47W	0.067	
HCT12	HBR4	0.50	LCT48W	0.068	
HCT12	HBR4	0.50	LCT49W	0.069	
HCT12	HBR4	0.50	LCT50W	0.070	
HCT12	HBR4	0.50	LCT51W	0.071	
HCT12	HBR4	0.50	LCT52W	0.072	
HCT12	HBR4	0.50	LCT53W	0.073	
HCT12	HBR4	0.50	LCT54W	0.074	
HCT12	HBR4	0.50	LCT55W	0.075	
HCT12	HBR4	0.50	LCT56W	0.076	
HCT12	HBR4	0.50	LCT57W	0.077	
HCT12	HBR4	0.50	LCT58W	0.078	
HCT12	HBR4	0.50	LCT59W	0.079	
HCT12	HBR4	0.50	LCT60W	0.080	
HCT12	HBR4	0.50	LCT61W	0.081	
HCT12	HBR4	0.50	LCT62W	0.082	
HCT12	HBR4	0.50	LCT63W	0.083	
HCT12	HBR4	0.50	LCT64W	0.084	
HCT12	HBR4	0.50	LCT65W	0.085	
HCT12	HBR4	0.50	LCT66W	0.086	
HCT12	HBR4	0.50	LCT67W	0.087	
HCT12	HBR4	0.50	LCT68W	0.088	
HCT12	HBR4	0.50	LCT69W	0.089	
HCT12	HBR4	0.50	LCT70W	0.090	
HCT12	HBR4	0.50	LCT71W	0.091	
HCT12	HBR4	0.50	LCT72W	0.092	
HCT12	HBR4	0.50	LCT73W	0.093	
HCT12	HBR4	0.50	LCT74W	0.094	
HCT12	HBR4	0.50	LCT75W	0.095	
HCT12	HBR4	0.50	LCT76W	0.096	
HCT12	HBR4	0.50	LCT77W	0.097	
HCT12	HBR4	0.50	LCT78W	0.098	
HCT12	HBR4	0.50	LCT79W	0.099	
HCT12	HBR4	0.50	LCT80W	0.100	
HCT12	HBR4	0.50	LCT81W	0.101	
HCT12	HBR4	0.50	LCT82W	0.102	
HCT12	HBR4	0.50	LCT83W	0.103	
HCT12	HBR4	0.50	LCT84W	0.104	
HCT12	HBR4	0.50	LCT85W	0.105	
HCT12	HBR4	0.50	LCT86W	0.106	
HCT12	HBR4	0.50	LCT87W	0.107	
HCT12	HBR4	0.50	LCT88W	0.108	
HCT12	HBR4	0.50	LCT89W	0.109	
HCT12	HBR4	0.50	LCT90W	0.110	
HCT12	HBR4	0.50	LCT91W	0.111	
HCT12	HBR4	0.50	LCT92W	0.112	
HCT12	HBR4	0.50	LCT93W	0.113	
HCT12	HBR4	0.50	LCT94W	0.114	
HCT12	HBR4	0.50	LCT95W	0.115	
HCT12	HBR4	0.50	LCT96W	0.116	
HCT12	HBR4	0.50	LCT97W	0.117	
HCT12	HBR4	0.50	LCT98W	0.118	
HCT12	HBR4	0.50	LCT99W	0.119	
HCT12	HBR4	0.50	LCT100W	0.120	

Module and Diametral Pitch and Feed Chart

mm		
C	A	
0.2	LCT1Z	1.2
0.225	LCT2Z	1.25
0.25	LCT3Z	1.3
0.3	LCT6Z	1.4
0.36	LCT8Z	1.5
0.4	LCS1Z	1.75
0.45	LCS2Z	2.0
0.5	LCS3Z	2.25
0.6	LCS6Z	2.5
0.7	LCS8Z	2.75
0.75	LCT8Y	3.0
0.9	LCT17Z	3.25
1.0	LCR2Z	3.5
1.1	LCR4Z	4.5
1.2	LCR6Z	5.0
1.25	LCS3Y	5.5
1.3	LCR7Z	6.0
1.4	LCR8Z	6.5
1.5	LCS2Y	7
1.75	LCS8Y	8
2.0	LCR1Y	9
2.25	LCR2Y	10
2.5	LCR3Y	11
2.75	LCR4Y	12
3.0	LCR6Y	13
3.25	LCR7Y	14
3.5	LCR8Y	15
4.0	HCR3Z	NUTS
4.5	HCS2Y	ENGGRD
5.0	HCS3Y	
5.5	HCS4Y	
6.0	HCS5Y	
6.5	HCS7Y	
7	HCS8Y	
8	HCR1Y	
9	HCR2Y	
10	HCR3Y	
11	HCR4Y	
12	HCR8Y	
13	HCR7Y	
14	HCR8Y	
15	HCR9Y	
16	HCR10Y	
17	HCR11Y	
18	HCR12Y	
19	HCR13Y	
20	HCR14Y	
21	HCR15Y	
22	HCR16Y	
23	HCR17Y	
24	HCR18Y	
25	HCR19Y	
26	HCR20Y	
27	HCR21Y	
28	HCR22Y	
29	HCR23Y	
30	HCR24Y	
31	HCR25Y	
32	HCR26Y	
33	HCR27Y	
34	HCR28Y	
35	HCR29Y	
36	HCR30Y	
37	HCR31Y	
38	HCR32Y	
39	HCR33Y	
40	HCR34Y	
41	HCR35Y	
42	HCR36Y	
43	HCR37Y	
44	HCR38Y	
45	HCR39Y	
46	HCR40Y	
47	HCR41Y	
48	HCR42Y	
49	HCR43Y	
50	HCR44Y	
51	HCR45Y	
52	HCR46Y	
53	HCR47Y	
54	HCR48Y	
55	HCR49Y	
56	HCR50Y	
57	HCR51Y	
58	HCR52Y	
59	HCR53Y	
60	HCR54Y	
61	HCR55Y	
62	HCR56Y	
63	HCR57Y	
64	HCR58Y	
65	HCR59Y	
66	HCR60Y	
67	HCR61Y	
68	HCR62Y	
69	HCR63Y	
70	HCR64Y	
71	HCR65Y	
72	HCR66Y	
73	HCR67Y	
74	HCR68Y	
75	HCR69Y	
76	HCR70Y	
77	HCR71Y	
78	HCR72Y	
79	HCR73Y	
80	HCR74Y	
81	HCR75Y	
82	HCR76Y	
83	HCR77Y	
84	HCR78Y	
85	HCR79Y	
86	HCR80Y	
87	HCR81Y	
88	HCR82Y	
89	HCR83Y	
90	HCR84Y	
91	HCR85Y	
92	HCR86Y	
93	HCR87Y	
94	HCR88Y	
95	HCR89Y	
96	HCR90Y	
97	HCR91Y	
98	HCR92Y	
99	HCR93Y	
100	HCR94Y	

Thread Chart Metric

in		
V	A	
72	LAR6V	22
60	LAR3V	20
56	LBR6V	19
54	LAR2V	18
48	LBR6V	18
44	LBR4V	15
40	LBR3V	14
36	LAS6V	13 1/2
32	LBR1V	13
30	LAS3V	12
28	LBS6V	11 1/2
27	LAS2V	11
26	LBS7V	10
24	LBS6V	9
23	LBS5V	8
7 1/2	LBS4V	
7	LBS3V	
6	HBS6V	
5	HBS3V	
4 1/2	LBS1V	
4	LAT3V	
3 1/4	LBT3V	
3 1/2	HAT3V	
3 1/2	HBT8V	
3 1/4	HBT7V	
3	HBT6V	
2 1/2	HBT5V	
2 3/4	HBT4V	
2 1/2	HBT3V	
2 1/4	HBT2V	
2	HBT1V	

Inch Thread Chart



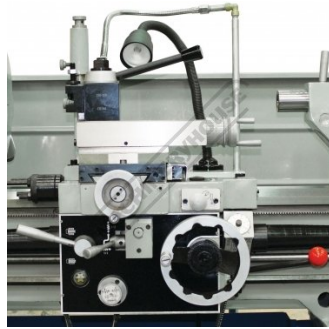
Leadscrew Covers



Saddle



Saddle Left View



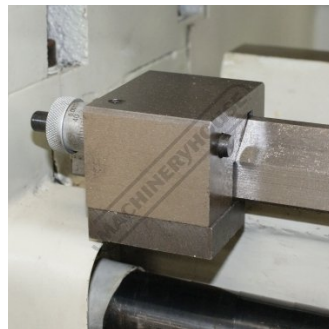
Saddle Front View



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



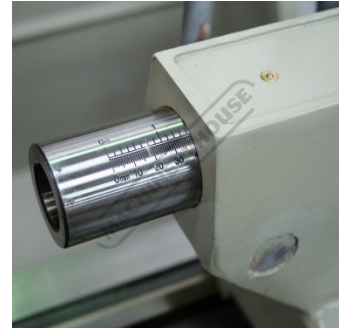
Compound Side Hand Wheel



Quick Change Toolpost Rear View



Tailstock



Tailstock Quill Scale



Tailstock Hand Wheel

Recommended Accessories

2JA6051
 TOOL HOLDER FOR QCTP

2JA6051A
 TOOL HOLDER FOR QCTP

L046
 Right Hand Turning Tool Holder

L047
 Left Hand Turning Tool Holder



Product Brochure For L191D

L039
 Right Hand Turning Tool Holder



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



Product Brochure For L191D

D126

Metric 135° Precision HSS Drill Set - 170 Pieces



D1272

Metric 135° Precision HSS Drill Set - 25 Piece



D1282

Imperial 135° 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



S077

Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



S075

Cutting Tool Lubricant Paste - 200g



S074

Cutting Tool Lubricant Paste - 500g



S091

Soluble Metal Cutting Fluid - 20 Litre



Product Brochure For L191D

A358
Sky Hook Lifting Device



A358A
Chuck Hook



L300
Magnetic Swarf Remover



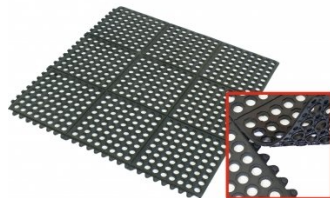
M9991
Magnetic Floor Sweeper



M800
Rubber Mat - Anti-Fatigue



M805
Rubber Mat - Anti-Fatigue



O000
SpillFix Universal Organic Absorbent



O043
Rust & Corrosion Preventive



O042
General Purpose Lubricant & Corrosion Inhibitor



O040
Rust & Corrosion Preventive



O044
Rust & Corrosion Preventive

