

# PipeLathe

- ▶ Powerful 3.5 HP pneumatic drive generating 12500 Nm (9259 ft.lbs) torque on the cutter blade. Variable speed control 0-5 rpm.
- ▶ No need for extra gear box that reduces the rpm and multiplies the torque. It comes as standard!
- ▶ 150 mm (5,9") One piece locking shaft with build in jaws, eliminates the issue of broken or loosening retaining springs and o-rings.
- ▶ One mandrel covers complete working range.
- ▶ Innovative 6 point locking system assures maximum stability during all machining operations.
- ▶ Only one mandrel and 6 Jaw sets needed to cover machines entire range.
- ▶ Self-centering shaft with build in jaws.
- ▶ Wide Clamps produce superior clamping force for chatter free end preps.
- ▶ Fully portable for on-site and Fab-shop work.
- ▶ Available for sale or rent.



STANDARD WORKING RANGE		FEED STROKE	POWER	FREE SPEED	TORQUE		
APPLICATION RANGE	LOCKING RANGE						
180 - 609 mm	175 - 600 mm	60 mm	3,5 hp	5 Rpm	12500 Nm		
7,0 - 24,0"	6,889 - 23,6"	2,4"			9219 Ft.lbs		
AIR USE		AIR PRESSURE		BODY DIMENSIONS		BODY WEIGHT	
85 cfm	2,8 m <sup>3</sup> /min	90 PSI	6,2 Bar	38 x 22 x 22"	950 x 550 x 500 mm	495 Lbs	225 kg

## LOCKING RANGES WITH STANDARD JAWS

### JAWS: PL-42

RANGE [MM]		RANGE [INCH]		SEGMENT		
MIN	MAX	MIN	MAX	A	B	C
175,0	200,0	6,890	7,874			
200,0	225,0	7,874	8,858	PL-42-A-125		
225,0	250,0	8,858	9,843	PL-42-A-250		
250,0	275,0	9,843	10,827	PL-42-A-375		
275,0	300,0	10,827	11,811	PL-42-A-500		
300,0	325,0	11,811	12,795	PL-42-A-500 PL-42-A-125		
325,0	350,0	12,795	13,780	PL-42-A-500 PL-42-A-250		
350,0	375,0	13,780	14,764		PL-42-B	
375,0	400,0	14,764	15,748	PL-42-A-125	PL-42-B	
400,0	425,0	15,748	16,732	PL-42-A-250	PL-42-B	
425,0	450,0	16,732	17,717	PL-42-A-375	PL-42-B	
450,0	475,0	17,717	18,701	PL-42-A-500	PL-42-B	
475,0	500,0	18,701	19,685			PL-42-C
500,0	525,0	19,685	20,669	PL-42-A-125		PL-42-C
525,0	550,0	20,669	21,654	PL-42-A-250		PL-42-C
550,0	575,0	21,654	22,638	PL-42-A-375		PL-42-C
575,0	600,0	22,638	23,622	PL-42-A-500		PL-42-C






## EXAMPLE TOOL APPLICATION



PipeLathe is the strongest machine from all KRAIS Lathe tools. It allows for machining tubes up to 24" (600 mm) OD.

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## AVAILABLE HOLDERS

Facing	Inside bevelling and boring	Outside bevelling	J-Prep	Compound bevelling	
					
F-45-90 BIT: 2CDI	F-CB-25+2-90 (ADJUSTABLE LENGTH FACING HOLDER FOR THE LAND) BIT: XXXXXXX	IB-45-37 IB-45-10 BIT: 2CDI	OB-45-45 OB-45-37 OB-45-30 OB-45-10 BIT: 2CDI	JP-45-45 JP-45-37 JP-45-30 BIT: 2CDJ-5	CB-1037 (OTHERS ON REQUEST) BIT: CB-45

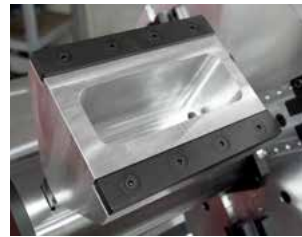
## ADVANTAGES OF HYPERLATHE



**HEAVY DUTY DESIGN**  
All the Lathe series machine design is based on long steel spindle which assure maximum rigidity because the locking shaft is fully mounted into that spindle instead partially into the main aluminium body what is casing adverse vibration due to a lot of tension on it.



**POWERFUL MOTOR UNIT**  
Powerful and efficient drive dedicated for our Lathe series beveling machines. 0-5 rpm and 12500 Nm (9219 ft.lbs) torque on the cutter blade is a standard feature.



**6 POINT LOCKING JAWS**  
150 mm (5,9") shaft, assures rigidity when machining heavy wall pipe. The jaws are fully contained within the shaft with no need for retaining springs or O-rings that easily brake or get lost.



**HEAVY DUTY PENDANT**  
Machine is equipped with a heavy duty pendant. This can be attached to both sides of the motor for operator convenience.

## OPTIONAL MOTOR UNITS



**MOTOR PDE**  
The PipeLathe can also be supplied as an electric version, with a 3200 Watt heavy duty motor.



**MOTOR PDH**  
Optional super strong hydraulic motor. Constructed on the basis of a small hydraulic motor and multistage planetary gear box. PipeLathe version generates 6 rpm and up to 14200 Nm (10475 Ft.Lbs) torque on cutter blade at constant cutting speed.