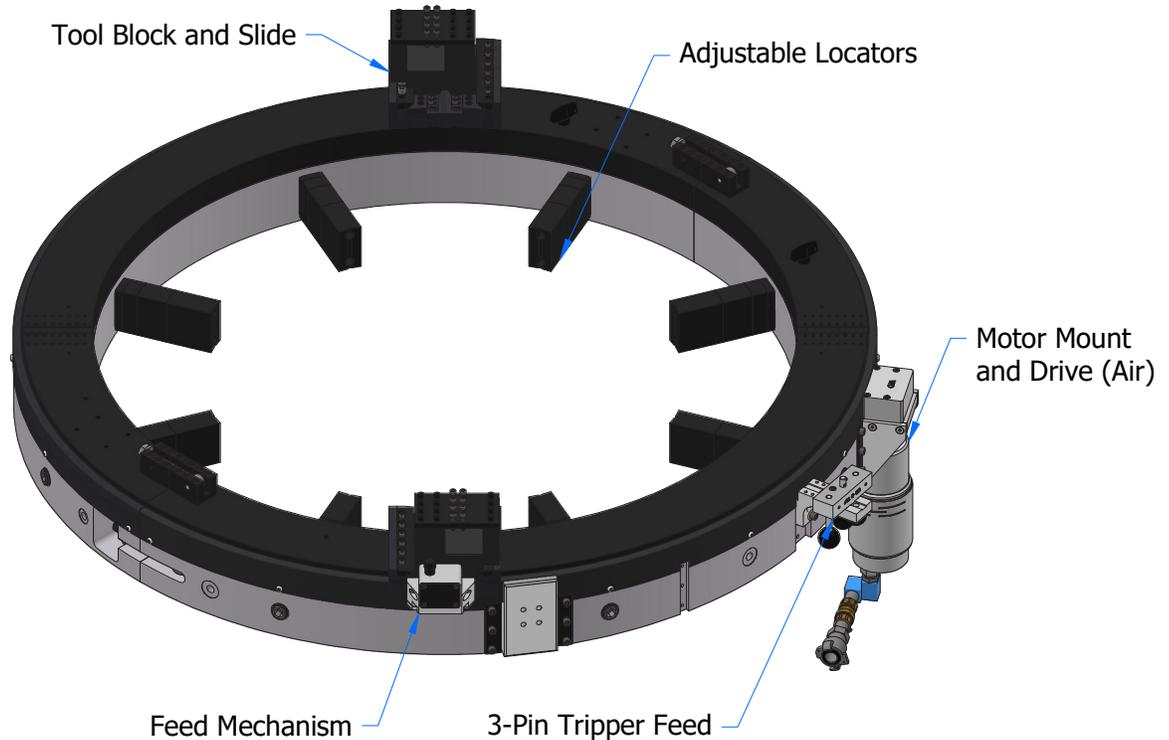


MACTECH

843WD 848WD 860WD CLAMSHELL PORTABLE LATHES

MACTECHONSITE.COM



PRODUCT DESCRIPTION

Mactech Clamshell Lathes are portable pipe cutting machines for in-situ precision cutting and beveling that provide spark free, precision cuts and weld preps for the oil and gas, power generation, shipbuilding and other industries. Unlike other competitive cold cutters our lathes have more bearings making it the most versatile machine in the industry to cut and bevel pipe, re-machine flanges, machine shafts and more.

Our WD line covers a range of pipe sizes from 31" to 60" OD. The WD clamshells lathes are designed so that minimal radial and axial clearance is required for easy installation on in-line closed loop pipe.

FEATURES

- SEVER, SEVER/BEVEL AND END PREP
- COLD CUTTING IN HAZARDOUS ENVIRONMENTS
- EXCEPTIONALLY RIGID SPLIT-FRAME FOR PRECISE ON-SITE MACHINING
- LOW CLEARANCE DESIGN FOR EASY HANDLING IN TIGHT WORKING SPACES
- TOOL HOLDER ACCEPTS STANDARD SIZE TOOLING
- COUNTERBORE ACCESSORIES
- AIR CADDY (AIR FILTER AND OILER) INCLUDED WITH AIR DRIVE SYSTEMS
- HYDRAULIC, AIR, OR ELECTRIC DRIVE OPTIONS

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WORK HARD

WORK SAFE

WE BEFORE ME

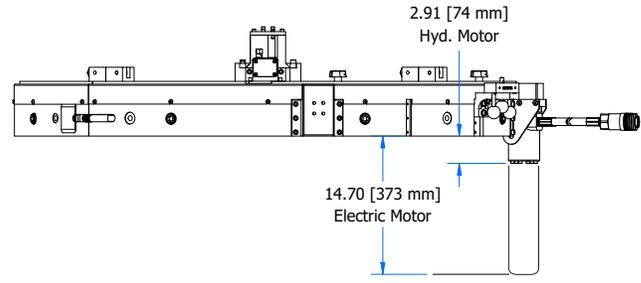
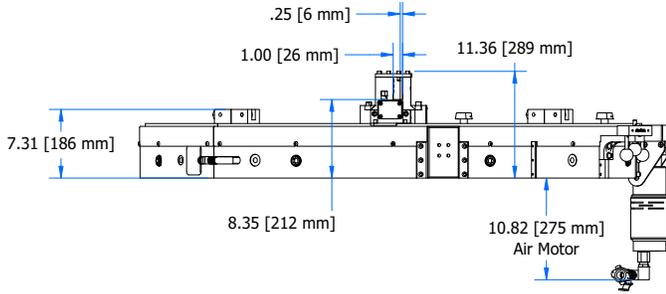
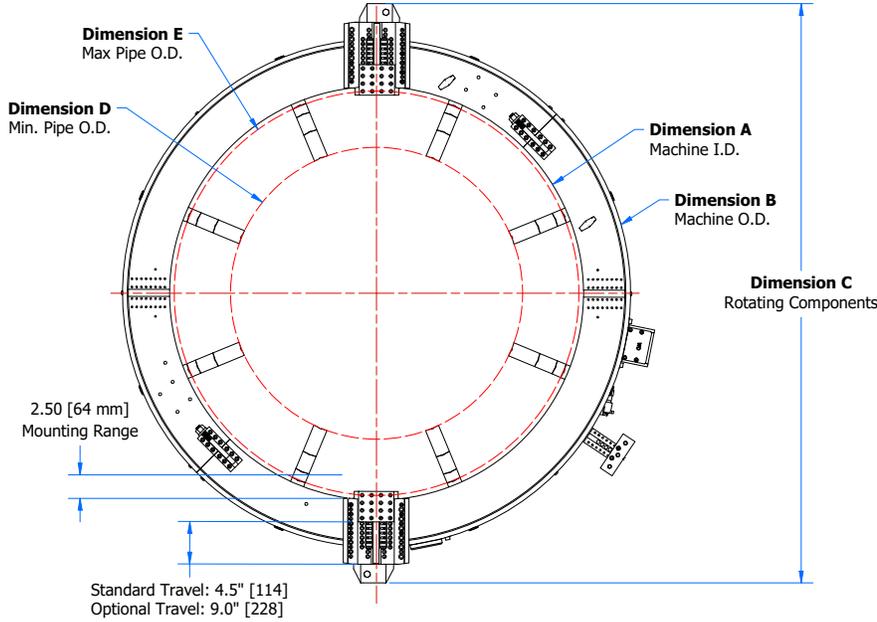
WELCOME CHALLENGES

WOW THEM

MACTECH

843WD 848WD 860WD CLAMSHELL PORTABLE LATHES

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WD CLAMSHELL PORTABLE LATHE MACHINE AND OPERATING DIMENSIONS

Dimension	843WD - #605-2895C	848WD - #605-2896C	860WD - #605-2888C
A - Machine I.D.	44.0 (1118 mm)	49.0 (1245 mm)	61.0 (1549 mm)
B - Machine O.D.	54.0 (1371 mm)	59.0 (1498 mm)	71.0 (1803 mm)
C - Rotating Components	61.6 (1565 mm)	66.6 (1692 mm)	78.6 (1997 mm)
D - Minimum Pipe O.D.	31.0 (787 mm)	36.0 (914 mm)	48.0 (1219 mm)
E - Maximum Pipe O.D.	43.0 (1092 mm)	48.0 (1219 mm)	60.0 (1524 mm)

All dimensions and hydraulic requirements are for reference and may be subject to change without notice. Machine performance is subject to application and operator capability; please discuss your requirements directly with a Mactech sales representative. All information given and all sales made by Mactech Inc. are subject to their terms and conditions.

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843WD NOMINAL PIPE SIZE (NPS) APPLICATION RANGE

Nominal Pipe Size (in.)	Schedule No.	Wall Thickness (in.)	Inside Diameter (in.)
32 (32.000)	10	0.312	31.376
	ST	0.375	31.250
	20	0.500	31.000
	30	0.625	30.750
	40	0.688	30.624
34 (34.000)	10	0.312	33.376
	ST	0.375	33.250
	20	0.500	33.000
	30	0.625	32.750
	40	0.688	32.624
36 (36.000)	10	0.312	35.375
	ST, 40S	0.375	35.250
	XS, 80S	0.500	35.000
42 (42.000)	ST, 40S	0.375	41.250
	XS, 80S	0.500	41.000
	30	0.625	40.750
	40	0.750	40.500

848WD NOMINAL PIPE SIZE (NPS) APPLICATION RANGE

Nominal Pipe Size (in.)	Schedule No.	Wall Thickness (in.)	Inside Diameter (in.)
36 (36.000)	10	0.312	35.375
	ST, 40S	0.375	35.250
	XS, 80S	0.500	35.000
42 (42.000)	ST, 40S	0.375	41.250
	XS, 80S	0.500	41.000
	30	0.625	40.750
	40	0.750	40.500
	48 (48.000)	ST, 40S	0.375
XS, 80S		0.500	47.000

860WD NOMINAL PIPE SIZE (NPS) APPLICATION RANGE

Nominal Pipe Size (in.)	Schedule No.	Wall Thickness (in.)	Inside Diameter (in.)
48 (48.000)	ST, 40S	0.375	47.250
	XS, 80S	0.500	47.000
54 (54.000)	ST	0.375	53.250
	XH	0.500	53.000
60 (60.000)	40S, ST	0.375	59.250
	80S, XH	0.500	59.000

FEED

Feed Mechanism: 4 point starwheel with 3-pin tripper feed.
Feed Rate: .002, .004 or .006 inches per revolution (0.05, 0.11 or 0.16 mm).

DRIVE MOTOR POWER REQUIREMENTS

Air Drive

Air supply requirement: 100 cfm @100 psi
(2.8 m³/min @ 6.9 bar)

Hydraulic Drive

HPU requirement: 10-15 gpm @ 1000 psi
(38-57 lpm @ 69 bar) continuous pressure
Hydraulic motor includes hose whips and quick-disconnects.

Electric Drive

In-Line Electric: 2200W, 570 RPM, 120 or 220 VAC
Reversible: 2200W, 93-665 RPM, 120 or 220 VAC

NOTE: Electric drives may not be suitable for all tasks, please contact Mactech representative for advisement.

WEIGHTS AND DIMENSIONS (includes tool blocks and motor)

Operating Weights

843WD w/ Drive: 950 lbs. (430 kg)

Shipping Dimensions

843WD w/ Drive and Crate: 1500 lbs. (680 kg)
84 x 45 x 30.25" (2,133 x 1,143 x 768mm)

Operating Weights

848WD w/ Drive: 1025 lbs. (464 kg)

Shipping Dimensions

848WD w/ Air Drive and Crate: 1550 lbs. (703 kg)
84 x 45 x 30.25" (2,133 x 1,143 x 768mm)

Operating Weights

860WD w/ Drive: 1200 lbs. (544 kg)

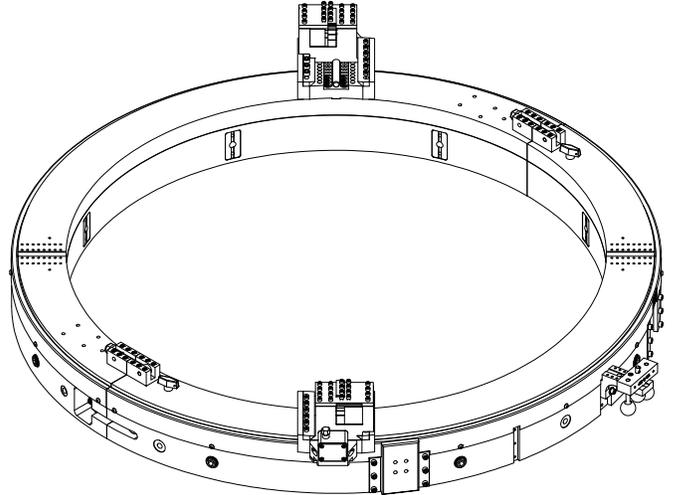
Shipping Dimensions

860WD w/ Drive and crate: 1800 lbs. (816 kg)
84 x 45 x 30.25" (2,133 x 1,143 x 768mm)

WD CLAMSHELL PACKAGES

Includes: Clamshell, #7 WD Tool Blocks & Slides, Feed Bracket, Locator Extensions, Tool Kit and Storage Box

605-2895C	843WD Clamshell Package (31-43" / 787-1092mm O.D. Range)
605-2896C	848WD Clamshell Package (36-48" / 914-1219mm O.D. Range)
605-2888C	860WD Clamshell Package (48-60" / 1219-1524mm O.D. Range)



DRIVE MOTOR OPTIONS (CHOOSE ONE)

AIR DRIVE MOTOR OPTIONS (Includes Air Caddy)

605-4233D	WD In-Line Air Drive Package (3000W, 95 RPM, Includes Air Caddy)
605-6780A	WD Reversible Air Drive Package (3000W, 95 RPM, Includes Air Caddy)

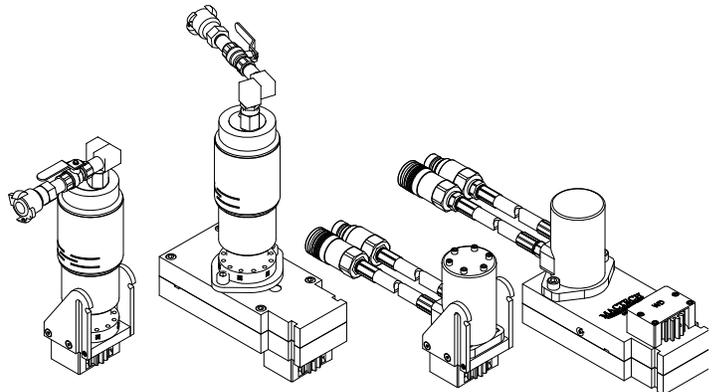
HYDRAULIC DRIVE MOTOR OPTIONS

600-4243A	WD In-Line Hydraulic Drive (9.7CI, 185 RPM)
600-6780H	WD Reversible In-Line Hydraulic Drive (9.7CI, 154 RPM)

ELECTRIC DRIVE MOTOR OPTIONS

Electric drives may not be suitable for all tasks, please contact Mactech representative for advisement.

600-6783	WD In-Line Electric Drive 120VAC (2200W, 570 RPM)
600-6803	WD In-Line Electric Drive 220 VAC (2200W, 570 RPM)
600-6804	WD Reversible Electric Drive 120 VAC (2200W, 93-665 RPM)
600-6780E	WD Reversible Electric Drive 220 VAC (2200W, 93-665 RPM)

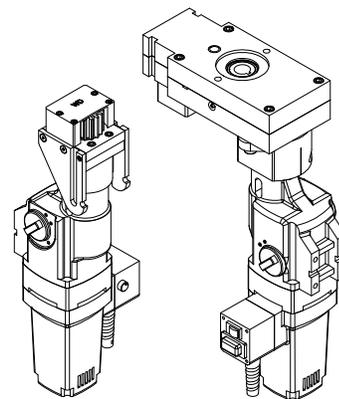


605-4233D

605-6780A

600-4243A

600-6780H



600-6783
600-6803

600-6804
600-6780E

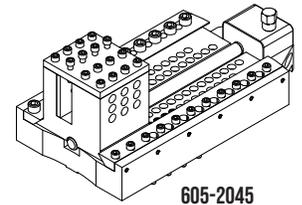
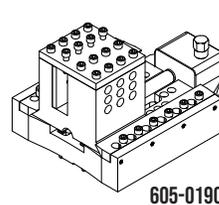
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TOOL SLIDES AND BLOCKS

TOOL SLIDES (Each machine requires matching pair)

605-0190 #7 WD - Tool Block And Slide Assembly
(Included in WD Package)

605-2045 #11 WD - Tool Block And Slide Assembly



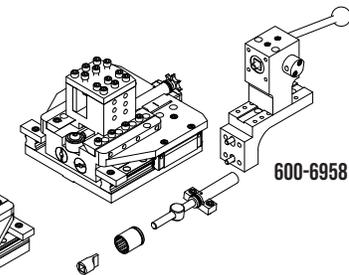
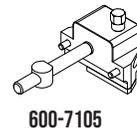
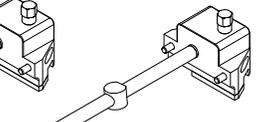
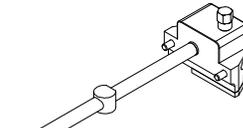
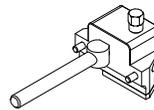
FEED SCREWS

600-0488 #7 5/8-24 RH WD Feed Screw Assembly
Standard
Pipe Cutting (.002 Per Trip)
(Included in WD Package)

600-1221 #11 5/8-24 RH WD Feed Screw Assembly
Standard
Pipe Cutting (.002 Per Trip)

600-1223 #11 5/8-11 RH WD Feed Screw Assembly
Optional
Flange Facing (.005 Per Trip)

600-7105 #7 5/8-11 RH WD Feed Screw Assembly
Optional
Flange Facing, Counterbore
(.0045 Per Trip)

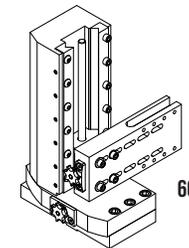


OUT OF ROUND FOLLOWER

600-6958 WD #6 OD Following Slide kit
(Kit Contains 2 Slides, 2 Blocks, Tools,
Spare Feed Screw And Tripper Bracket)

AXIAL FEED

600-2222 10" WD Axial Feed Assembly

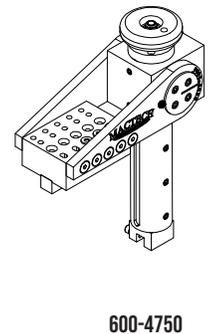
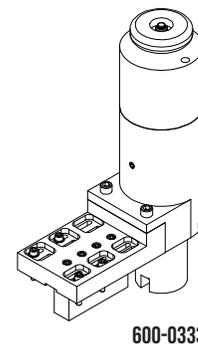
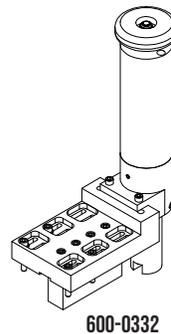


COUNTERBORE ACCESSORIES

600-0332 1-1/2 X 9" Counterbore Assembly

600-0333 2 1-2 x 13" Counterbore Assembly

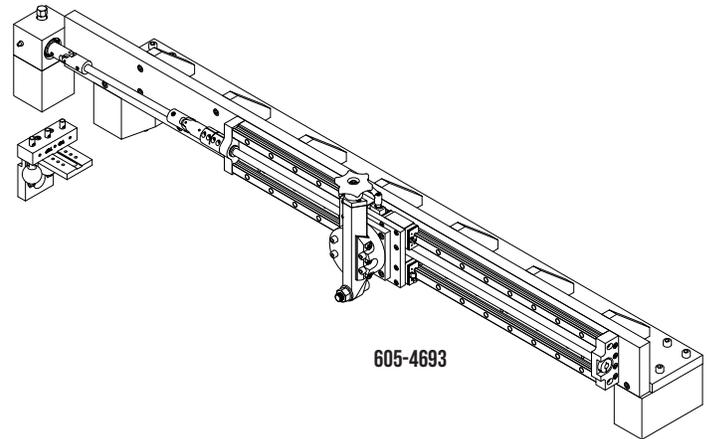
600-4750 10" Tippable Counterbore Assembly



SINGLE POINT CUTTING ACCESSORY

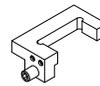
- 605-4691 843WD Clamshell Single Point
- 605-4693 848WD Clamshell Single Point
- 605-4695 860WD Clamshell Single Point

CONTACT MACTECH FOR MORE DETAILS



MISC. ACCESSORIES

- 600-6915 Leveling Clamps

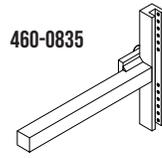


600-6915

TOOLING

TOOL HOLDER FOR FACING

460-0835	WD 1/2" Extended Adjustable Tool Holder (Facing)
440-0276	Boring/Flange Facing 1/2 Sq. LH 90° 4" Long
440-0278	Flange Facing 1/2" Sq. RH - Double



TOOLSETS

All Tooling fits in a 1 inch Tool Holder

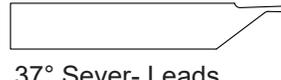
Sever Set	2.5" Max Cut Depth
440-0168	Narrow Sever, 6" Long
440-0169	Wide Sever, 6" Long
Sever/Bevel 37°, LH Set	1.5" Max Cut Depth
440-0237	Sever, 5" long, left-hand
440-0238	Bevel, 5" long, left-hand
Sever/Bevel 37°, RH Set	1.5" Max Cut Depth
440-0235	Sever, 5" long, right-hand
440-0236	Bevel, 5" long, right-hand
Sever/Compound Bevel 37°-10°, LH	2.25" Max Cut Depth
440-0256	Sever, 5" long, left-hand
440-0255	Bevel, 5" long, left-hand
Sever/Compound Bevel 37°-10°, RH	2.25" Max Cut Depth
440-0254	Sever, 5" long, right-hand
440-0253	Bevel, 5" long, right-hand
Sever/Double Bevel 37°	1.25" Max Cut Depth
440-0299	Sever, 5" long
440-0301	Double Bevel, 5" long, right-hand
440-0300	Double Bevel, 5" long, left-hand
Sever/Double Bevel 37°-10°	3" Max Cut Depth
440-0304	Sever, 5" long
440-0307	Double Bevel, 5" long, left-hand
440-0308	Double Bevel, 5" long, right-hand



Narrow Sever - Leads



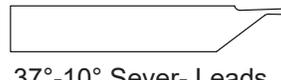
Wide Sever - Follows



37° Sever- Leads



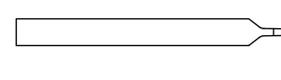
37° Bevel - Follows



37°-10° Sever- Leads



37°-10° Bevel - Follows



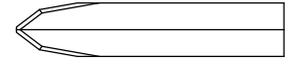
Sever - Leads



37° Double Bevel - Follows



Sever - Leads



37°-10° Double Bevel - Follows

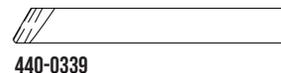
COUNTERBORE BITS

To be used with Counterbore Accessories

440-0020	US Counterbore 15 Deg, .047 Point Radius
440-0339	US Counterbore 30° 4" Long



440-0020



440-0339

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