

DOUBLE MITER BAND SAWS

PARAMETERS
STEP 5



A technical parameter chart with a yellow background and black text. It includes a table with columns for material types and corresponding saw blade specifications. The chart is titled 'PARAMETERS STEP 5'.

OPERATOR SAFETY RULES

- 1. Read and understand the safety instructions before operating the machine.
- 2. Do not touch the blade or the workpiece while the machine is running.
- 3. Do not touch the blade or the workpiece while the machine is running.
- 4. Do not touch the blade or the workpiece while the machine is running.
- 5. Do not touch the blade or the workpiece while the machine is running.
- 6. Do not touch the blade or the workpiece while the machine is running.
- 7. Do not touch the blade or the workpiece while the machine is running.
- 8. Do not touch the blade or the workpiece while the machine is running.
- 9. Do not touch the blade or the workpiece while the machine is running.
- 10. Do not touch the blade or the workpiece while the machine is running.



DM-10 DM-12/15



QUICK RELEASE CAST-IRON VISE

Easily positioned to either left or right side of the head. The vise is operated by means of a rotary handle and also features a “quick and easy” adjustment lever for opening and closing the vise for various sizes and shapes of material to be cut.

REPLACEABLE BLADE BRUSH

Driven off the blade drive wheel the blade brush keeps the blade gullets clean, helping to maximize blade performance and life.

ROTATING TABLE WITH CUT LINE

A rotating table with single cut line allows head and blade groove to move together for smooth, accurate mitering.





These versatile saws save operator set-up time and their compact design makes the DM machines ideal for use in tight working spaces.

Cast iron head and vises are designed for rigidity, absorbing vibrations and ensuring accuracy during cutting.

STANDARD FEATURES

- Manually operated easy swing, cast saw head
- Quick release cast-iron vise with dovetail ways
- Rotating table with cut line
- Band tension indicator
- Manual gravity head feed
- Replaceable blade brush
- Small footprint
- Robust steel base
- Easy to read angle scale
- Adjustable guide arm

- Replaceable carbide guide inserts
- Mechanical blade tensioning
- Safety door interlocks
- Flood coolant
- Work stop
- Storage in saw base (DM-12/15 only)

OPTIONAL FEATURES DM-10

- Mist lubrication
- Pneumatic vise with foot pedal
- Single phase (Note: limits user to high blade speed only)
- K110 5' infeed/out feed roller

OPTIONAL FEATURES DM-12/15

- Mist lubrication
- Idler conveyor



STANDARD FEATURES:

- 60° Mitering in both directions
- Heavy duty cast iron saw head
- 5.5 HP true direct blade drive - no belts/pulleys
- On-demand hydraulics save energy
- Quick release, hydraulic cast-iron vise on linear ways
- Rotating table with cut line
- Mechanical band tensioning with digital readout
- Gravity head feed
- Automatic hydraulic head lifting in semi-automatic mode
- Swing away, semi-automatic control
- Replaceable blade brush
- Robust steel base

- Easy to read angle scale
- Digital angle display
- Adjustable guide arm
- Replaceable carbide guide inserts
- Mechanical blade tensioning
- Safety door interlocks
- Flood coolant
- Laser light

OPTIONAL FEATURES

- Mist lubrication
- Work light
- Variable vise pressure
- Idler conveyors

DM-1318P

CONTROL CONSOLE - DM-1318P

The DM-1318P is also equipped with a digital LCD display which shows machine mode, pieces cut, blade speed, blade tension, amperage draw of blade motor, cut duration, overall machine run time, head position language selection. Hydraulic head height selection using an encoder is controlled from the machine console.

OPTIONAL MIST LUBRICATION

An alternative to the standard flood coolant system, mist lubrication is an air mist system providing blade lubrication and cooling. No recovery is required as the mist dissipates.

5.5 HP TRUE DIRECT BLADE DRIVE

Heavy-duty 2-stage gearbox and motor is controlled by an AC inverter drive. Blade speed is easily adjusted with a wide range of band speeds. Less moving parts compared to belt and pulley drive machines.



Photos may show optional equipment.



SPECIFICATIONS

		DM-10	DM-12/15	DM-1318P
Rectangular Capacity (h x w)	90°	9 1/2" x 11"	10 1/4" x 15"	13" x 17 3/4"
	45° left	6 1/4" x 4 1/2"	7 7/8" x 10 1/4"	11 3/4" x 11 3/4"
	45° right	8 1/4" x 7"	7 7/8" x 11 3/7"	11 3/4" x 11 3/4"
	30° left	n/a	n/a	7 3/4" x 7 3/4"
	30° right	5" x 4 1/2"	7 7/8" x 11 3/5"	7 3/4" x 7 3/4"
Round Capacity	90°	10"	12"	13"
	45° left	5 3/4"	10 5/8"	11 3/4"
	45° right	7 1/4"	11 3/7"	11 3/4"
	30° left	n/a	n/a	7 3/4"
	30° right	4"	7 7/8"	7 3/4"
Square Capacity	90°	9"	10 1/4"	13"
	45° left	4 1/2"	9 4/9"	11 3/4"
	45° right	7"	10 1/4"	11 3/4"
	30° left	n/a	n/a	7 3/4"
	30° right	5"	6 3/5"	7 3/4"
Blade Drive		2/2.5 HP	3 HP VFD	5.5 HP
Blade Speed		165/325 SFM	49-377 SFM	65-330 SFM
Blade Size		1" x 9' 8"	1" x 12' 4"	1 1/4" x 14' 10"
Coolant Tank Capacity		3.5 Gal.	16 Gal.	21 Gal.
Table Height		34"	34 1/8"	35"
Voltages Available		208, 240, 480, or 575	240 or 480	240, 480 (208, 575 n/c trans.)
Weight		970 lbs.	1,740 lbs.	2,515 lbs.
Dimensions	Width	28"	48"	130"
	Length	65"	88"	69"
	Height	58"	83"	89"

In line with HYDMECH's policy of on-going product improvement, we reserve the right to modify features and specifications.



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Dealer Information:

