

# DOUBLE MITER BAND SAWS

**PARAMETERS**

**STEP 5**

Material	Feed	Speed	Depth
Aluminum	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Stainless Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Copper	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Brass	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Inconel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Titanium	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Cast Iron	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Cast Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Carbon Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Aluminum	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Stainless Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Copper	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Brass	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Inconel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Titanium	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Cast Iron	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Cast Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020
Carbon Steel	0.005 - 0.010	1000 - 1500	0.010 - 0.020

**HYDMECH**

**OPERATOR SAFETY RULES**

1. Use hand saw chains only to transport according to the specifications of the saw. Never operate and use a chain saw for cutting and maintaining the equipment and maintenance manual before operating the machine.
2. Always work at a safe distance from all gears, and contact with gears.
3. Never operate the saw unless all gears and contact are in place.
4. Never operate the blade guide and never touch the blade in motion. Take care to clear the saw blade, contact and gears.
5. Never attempt to disengage or remove work while the blade is moving. Take care to clear the saw blade, contact and gears before using a wrench to remove any work from the saw.
6. Do not wear long hair, loose clothing, gloves or jewelry while setting up or operating this saw. Safety glasses must be worn at all times.
7. Keep the saw clear of a safety perimeter and ensure proper alignment of blade, contact, blade guides and gears at all times.
8. Never touch back over the machine while the blade is rotating.
9. Work piece should be held firmly against the table. (Provision of mechanical support) when long or heavy piece is being cut by the blade saw. Where there is potential for kick cutting, all the work piece should be supported. Use proper clamping technique to hold the work piece.
10. Operator (operator) and lock out the power supply when performing the maintenance and the machine. Never touch any part of the machine unless it is guaranteed by a qualified technician.



TEL 81 8354 8910  
www.acatmexicana.com



# 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)
- Direct variable frequency drive - no belts/pulleys (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
<b>Rectangular Capacity (h x w)</b>	90°	9 1/2" x 11" / 241 mm x 279 mm	10 1/4" x 15" / 260 mm x 381 mm	15" x 17 3/4" / 330 mm x 451 mm
	45° left	6 1/4" x 4 1/2" / 159 mm x 114 mm	7 7/8" x 10 1/4" / 200 mm x 260 mm	11 3/4" x 11 3/4" / 298 mm x 298 mm
	45° right	8 1/4" x 7" / 210 mm x 1728 mm	7 7/8" x 11 3/7" / 200 mm x 290 mm	11 3/4" x 11 3/4" / 298 mm x 298 mm
	30° left	n/a	n/a	7 3/4" x 7 3/4" / 197 mm x 197 mm
	30° right	5" x 4 1/2" / 127 mm x 114 mm	7 7/8" x 11 3/5" / 200 mm x 295 mm	7 3/4" x 7 3/4" / 197 mm x 197 mm
<b>Round Capacity</b>	90°	10" / 254 mm	12" / 304 mm	15" / 330 mm
	45° left	5 3/4" / 146 mm	10 5/8" / 270 mm	11 3/4" / 298 mm
	45° right	7 1/4" / 184 mm	11 3/7" / 290 mm	11 3/4" / 298 mm
	30° left	n/a	n/a	7 3/4" / 197 mm
	30° right	4" / 101 mm	7 7/8" / 200 mm	7 3/4" / 197 mm
<b>Square Capacity</b>	90°	9" / 228 mm	10 1/4" / 260 mm	15" / 330 mm
	45° left	4 1/2" / 114 mm	9 4/9" / 240 mm	11 3/4" / 298 mm
	45° right	7" / 178 mm	10 1/4" / 260 mm	11 3/4" / 298 mm
	30° left	n/a	n/a	7 3/4" / 197 mm
	30° right	5" / 127 mm	6 3/5" / 168 mm	7 3/4" / 197 mm
<b>Blade Drive</b>		2/2.5 HP VFD / 1.5/1.8 kW VFD	3 HP VFD / 2.2 kW VFD	5.5 HP VFD / 4 kW VFD
<b>Blade Speed</b>		165-325 SFM / 50-99 MPM	49-377 SFM / 15-115 MPM	65-330 SFM / 20-101 MPM
<b>Blade Size</b>		1" x 9' 8" / 25.4 mm x 2946.4 mm	1" x 12' 4" / 25.4 mm x 3759.2 mm	1 1/4" x 14' 10" / 31.7 mm x 4521.2 mm
<b>Coolant Tank Capacity</b>		3.5 Gal. / 13 ltr	16 Gal. / 61 ltr	21 Gal. / 79 ltr
<b>Table Height</b>		34" / 864 mm	34 1/8" / 867 mm	35" / 889 mm
<b>Voltages Available</b>		208, 240, 480, or 575	240 or 480	240, 480 (208, 575 n/c trans.)
<b>Weight</b>		970 lbs. / 440 kg	1,740 lbs. / 789 kg	2,515 lbs. / 1141 kg
<b>Dimensions</b>	Width	28" / 711 mm	48" / 1219 mm	130" / 3302 mm
	Length	65" / 1651 mm	88" / 2235 mm	69" / 1752 mm
	Height	58" / 1473 mm	83" / 2108 mm	89" / 2260 mm

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



**HYDMECH**

Sales partner in México:



ACAT Mexicana  
Ave. Regio Parque #200 Regio Parque Industrial  
Apodaca , Nuevo León, México CP. 66633



[acat@acatmexicana.com](mailto:acat@acatmexicana.com)



TEL. 81 8354 8910



[www.acatmexicana.com](http://www.acatmexicana.com)

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Dealer Information: