



DENHARGO  
DELLIMBERS





# DENHARCO DELIMBERS. BUILT TOUGH FOR BIG TIMBER.

No other processing tool measures up to the superior design of Denharco delimiters. Precise measuring from a lineal steel boom assures you of unparalleled accuracy and efficiency. These tough workhorses are at their best with large diameter timber, heavy limb applications, irregular logs, multi-stem processing, and multiple sorting. Count on them to help you extract the most value from every stem.

PIERCE  
*Denharco*

# DM4550 MONOBOOM DELIMBER

Fast and robust, the Denharco monoboomb delimeter is built to meet the highest industry standards. The powerful winch/cable drive system, equipped with variable displacement traction motor and parking brake, allows the DM4550 the ability to optimize power and speed according to your momentary demands. This quiet and easy-to-maintain system ensures operating and measuring precision, while maintaining feed speed of 14'/sec.

Its 12" x 12" monoboomb is made of a special alloy intended for extensive and rigorous work, as well as offering impressive delimiting reach of over 45' for easy reach and sorting capabilities.

Curtain-style hose hangers and auto-tensioning drive cables are designed to extend the working life of those critical components that succumb to operational wear.



# DT4550 TELESCOPIC DELIMBER

The Denharco telescopic delimeter combines the finest elements of our DM4550, with features such as vertical sliding blocks (in lieu of conventional rollers) for extended service life, and minimum tail swing for tighter landings and work areas. Perfect for confined spaces, the DT4550 handles stems with speed and precision. It offers an impressive delimiting reach of over 54', and feed speed of 14'/sec. Impressive performance in the extreme timber and conditions of North America.



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# DENHARCO DELIMBERS



## MODULAR DESIGN

The DM4550 and DT4550 share compatible heavy duty structures that are at the heart of its modular design. These delimeters also share a selection of common head features, as well as the same electrical system, saw systems and major components offering benefits of commonality, ease of maintenance and support, as well as operational similarities.

## SAW TO SAW

Cut and merchandise your log without losing hold. With the butt saw located behind the rear hold arms, take advantage of accurate measuring while eliminating extra motion and the need to rehandle with 'saw to saw' measuring.



BUTT SAW LOCATED BEHIND HOLD ARMS (SAW TO SAW)

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# DENHARCO DELIMBERS

DELIMBER FEATURES	DM	DT
<b>MECHANICAL</b>		
Modular construction supports all major mechanical, electrical & hydraulic components.	•	•
High strength, heavy duty 12" x 12" monoboom.	•	•
High strength, heavy duty 6" x 8" inner boom.	•	•
Maintenance free floating trough with support roller.	•	•
Retractable butt plate with cushioned cylinder and integrated hydraulics.	•	•
Tunnel-style base boom designed specifically for each carrier model.	•	•
Adjustable vertical sliding blocks for carriage.	•	•
2 fixed tandem rollers and adjustable vertical rollers on carriage.	•	•
2 adjustable horizontal rollers on carriage.	•	•
1 adjustable horizontal roller on main boom.	•	•
Tandem rollers on main boom.	•	•
Expander main pin used at interface between carrier & delimeter.	•	•
<b>ARMS</b>		
Mono-stem cast arms for large diameter, single stem handling.	•	•
Multi-stem arms for multiple stem handling (optional).	•	•
Bolt-on arms for easy replacement.	•	•
Front grab arms properly position log in trough.	•	•
<b>TRANSPORTATION</b>		
Mechanical system for transportation.	•	•
Hydraulic system for transportation: optional.	•	•
<b>DRIVE SYSTEM</b>		
Quiet & easy to maintain winch drive system with auto tensioning.	•	•
Variable displacement motor.	•	•
Powerpull boom drive system enables momentary increase in boom power.	•	•
Heavy duty drive cables.	•	•
<b>SAW SYSTEMS</b>		
Swing out top saw door for easy saw maintenance.	•	•
Supercut .404" pitch top and butt saws with auto-tensioning and saw safety electrical devices.	•	•
Supercut 3/4" pitch top and butt saw with auto-tensioning and saw safety electrical devices: optional.	•	•
Supercut butt saw located on head with auto-tensioning and saw safety electrical devices: optional.	•	•
Delimb knives with removable blades.	•	•
<b>HYDRAULIC SYSTEM</b>		
"Soft clamp" proportional pressure.	•	•
Automatic stroke-end speed reducer.	•	•
Simple and proven.	•	•
Protected, enclosed delimiting head hydraulics.	•	•
Lock valves on delimb and hold arm cylinders.	•	•
Curtain-style hose hangers.	•	•
Shockless relief system designed to cushion hydraulic overpressures.	•	•
3" diameter cushioned hold arm cylinders (optional).	•	•
4" diameter cushioned hold arm cylinders (optional).	•	•
4" diameter delimb arm cylinders (optional)	•	•
4 1/2" diameter delimb arm cylinders (optional).	•	•
<b>MEASURING SYSTEM</b>		
Intellitec Measuring System.	•	•
Initiate measuring with photocells or butt plate.	•	•
Photocells located in trough for automatic positioning.	•	•
<b>SERVICEABILITY</b>		
Swing out top saw door for easy maintenance.	•	•

## DM



TUNNEL & BUTT PLATE



BUTT SAW LOCATED BEHIND HOLD ARMS (SAW TO SAW)



CURTAIN STYLE HOSE HANGERS



HYDRAULIC TRANSPORT



VARIABLE DISPLACEMENT WINCH DRIVE MOTOR

## DT



SLIDING BLOCKS



OPTIONAL TWIN SAW HEAD

# DENHARCO DELIMBERS



When you're working in challenging forest conditions, it pays to have the right equipment for the job. Equipment that's North American made, like all our products.

SPECIFICATIONS	DM4550		DT4550	
<b>DIMENSIONS</b>				
MINIMUM REACH	13' 6"	4.11 m	4' 10"	4.52 m
MAXIMUM REACH	49' 4"	59' 4"	59' 4"	59' 4"
TAIL SWING	40' 1"	12.22 m	28'	8.53 m
TRANSPORT HEIGHT WITHOUT PULLEY SUPPORT	MACHINE DEPENDANT			
MAXIMUM DECKING HEIGHT	11' 7"	3.53 m	11' 11"	3.63 m
Weight (in operating mode) Includes: Top butt saw, butt plate, transport position, hoist cylinders	24,400 lb	11,091 Kg	25,250 lb	11,477 Kg
<b>DELIMBING</b>				
DELIMBING CAPACITY	22"	56 cm	24"	61 cm
HANDLING CAPACITY (TUNNEL DIAMETER)	32"	81 cm	32"	81 cm
<b>SAW SYSTEMS</b>				
TOPPING KNIVES: CUTTING CAPACITY	NA	NA	8"	20 cm
TOPPING SAW (.404"): CUTTING CAPACITY	24"	61 cm	21"	53 cm
TOPPING SAW (3/4" PITCH): CUTTING CAPACITY	25"	64 cm	NA	NA
BUTTING SAW ON DELIMBING HEAD (.404")	24"	61 cm	26"	66 cm
CARRIAGE BUTTING SAW (.404"OR 3/4")	34"	86 cm	34"	86 cm
<b>BOOM DRIVE SYSTEM</b>				
WINCH DRIVE (WITH VARIABLE DISPLACEMENT MOTOR WITH BRAKE)				
BOOM SPEED	14 ft/sec	4.3 m/sec	14 ft/sec	4.3 m/sec
HORIZONTAL PULLING FORCE	10,000 lb	44.5 kN	7,500 lb	33.4 kN
HORIZONTAL PULLING FORCE WITH POWERPULL:	13,000 lb	57.8 kN	9,000 lb	40.0 kN
<b>RECOMMENDED CARRIER SPECIFICATIONS ALL BRANDS:</b>				
SIZE	22-29 M.T.	20-30 M.T.	20-30 M.T.	20-34 M.T.
HYDRAULIC PRESSURE	4,500 PSI		4,500 PSI	
REQUIRED FLOW	2 X 50-60 GPM 2x170-225 l/min		21.4 kN	

Features and technical data indicated may vary depending on carrier and options selected and can be modified without prior notice.

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