

GENERAL DIMENSIONS NICHOLSON A6 DEBARKER BY RING SIZE

	22 (56)	27 (69)	35 (89)	44 (112)
A Length (overall)	154.3 (392)	154.3 (392)	154.3 (392)	154.3 (392)
B Width (not including drive head shaft)	94.0 (239)	94.0 (239)	94.0 (239)	114.0 (290)
C Horizontal to centerline	47.0 (119)	47.0 (119)	47.0 (119)	57.0 (145)
D Height (overall)	158.9 (404)	158.9 (404)	158.9 (404)	185.7 (472)
E Lowest point on sliding ring	13.75 (35)	13.75 (35)	13.75 (35)	25.50 (65)
F Top of conveyor	26.25 (67)	26.25 (67)	26.25 (67)	26.25 (67)

Dimensions: Inches (cm)



A6 MEDIUM FEEDSPEED SLIDING RING DEBARKER

CONTINUOUS ONLINE DEBARKING
OF HIGH VALUE LOGS WITH
MAXIMUM BARK REMOVAL AND
SUPERIOR FIBER PROTECTION



EXPERT NICHOLSON SALES SUPPORT NEAR YOU:

NICHOLSON MANUFACTURING LTD. 9896 GALARAN ROAD, P.O. BOX 2128 SIDNEY, BC CANADA V8L 3S6 TEL: 250-656-3131 FAX: 250-656-3111
SEND WORLD WIDE EMAIL TO: forestsales@nmbc.com SEE OUR WEBSITE AT: www.debarking.com

The manufacturer reserves the right to make changes or add improvements at any time without incurring any obligation to make changes on machines manufactured previously.
Actual product may vary from photograph, illustration and description.
File: A6 Debarker Brochure 22Mar2007.p65



A6 RING DEBARKER

The Nicholson A6 Debarker is designed for mills that process moderate quantities of high value hardwoods and softwoods. Applications where superior fiber protection, very clean debarking and a steady and reliable supply of logs into the mill are the keys to increased profitability.

The A6 combines high reliability, low maintenance, low capital cost, excellent bark removal and maximum protection of your valuable wood fiber .

The A6 is a rugged in-line debarker where the log is not stopped or taken off-line as in cutter-head type systems.

The A6 avoids another major problem of cutter-head, flail and drum debarker systems; fiber damage.

The smooth action of the A6's spinning ring removes the bark at the cambium layer without disturbing valuable wood fiber.

This makes the A6 an excellent investment that will pay for itself very quickly compared to other less 'fiber friendly' systems.

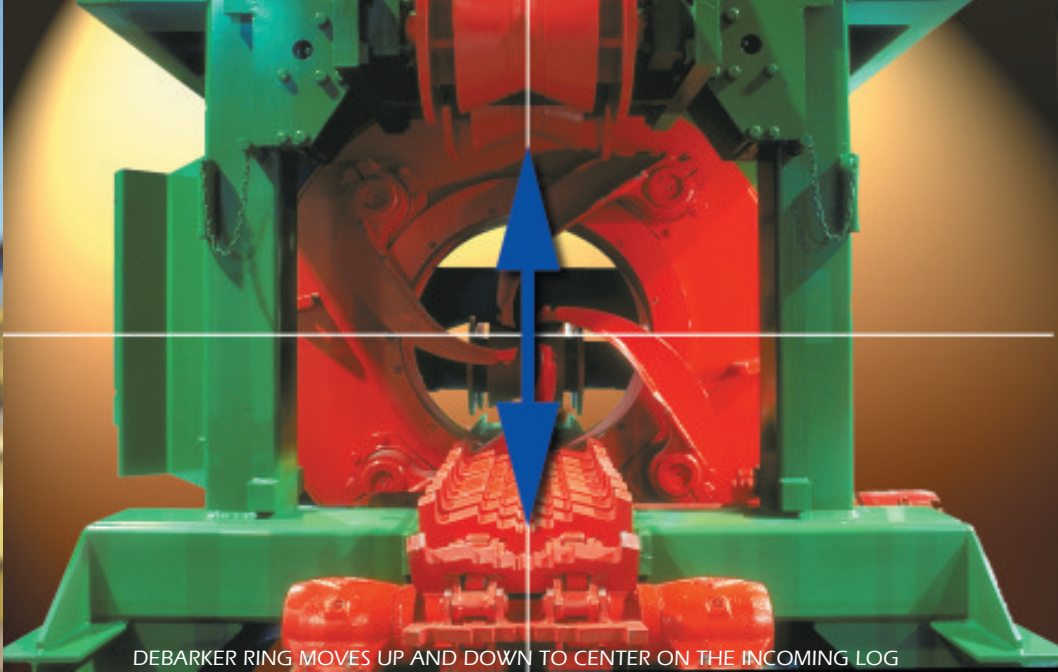
Installing or retrofitting is simple, thanks to the fixed-height feedworks and sliding ring design of the A6.

The bottom of the log always stays at a constant height, letting you use simple conveyors or hourglass rolls to feed the debarker.

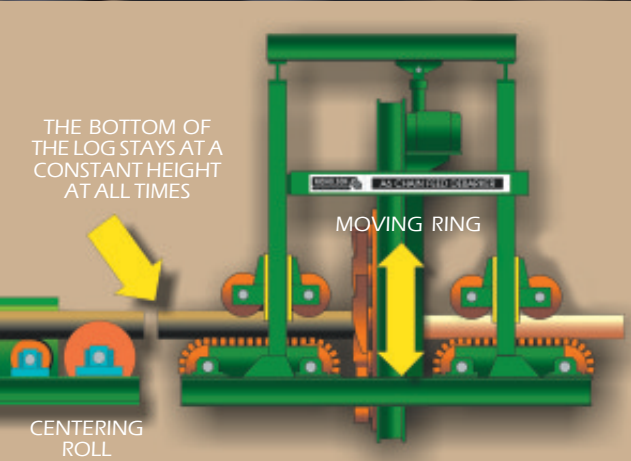
Both log feeding and debarking are automatic. The operator also has a full array of preset knife arm pressure overrides to fine tune the debarking of each individual log. This is great for situations where you have mixed species, large diameter ranges or unpredictable log conditions.



STANDARD A6 WITHOUT OPTIONAL INFEED CENTERING ROLL



DEBARKER RING MOVES UP AND DOWN TO CENTER ON THE INCOMING LOG



THE BOTTOM OF THE LOG STAYS AT A CONSTANT HEIGHT AT ALL TIMES

MOVING RING

CENTERING ROLL



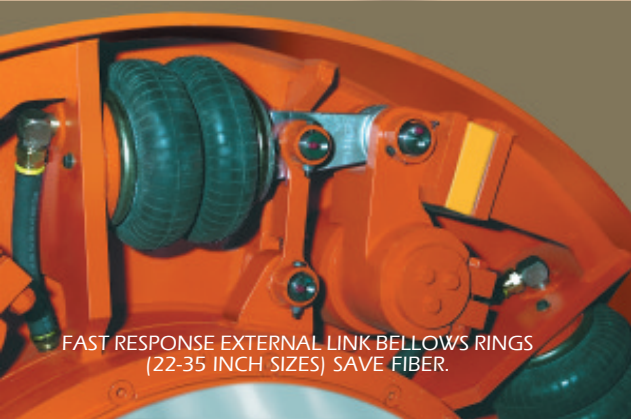
THE A6 GIVES YOU SUPERIOR DEBARKING, FAST CONTINUOUS ONLINE PROCESSING AND EXCELLENT FIBER PROTECTION.



STANDARD FABRICATED CHAIN IS EASY TO REPLACE OR REPAIR



POWERFUL HYDRAULIC CYLINDERS ON THE HOLDDOWN ROLLS ASSURE POSITIVE AND ACCURATE FEEDING



FAST RESPONSE EXTERNAL LINK BELLOWS RINGS (22-35 INCH SIZES) SAVE FIBER.



THE A6 REMOVES THE BARK AT THE CAMBIUM LAYER, PROTECTING THE VALUABLE WOOD FIBER ON THE OUTSIDE OF THE LOG.



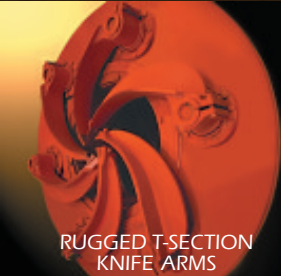
THE NICHOLSON A6 DEBARKER IS EASILY RETROFITTED INTO EXISTING LOG LINES THANKS TO ITS FIXED HEIGHT INFEED CONVEYOR



NICHOLSON TWO-PIECE KNIFE ARMS



PROCESS LOGS OF ALMOST ANY SIZE AND SHAPE



RUGGED T-SECTION KNIFE ARMS



STANDARD NICHOLSON KNIFE TIP



REMOVABLE KNIFE ARM PIVOT SHAFT CARTRIDGES USE TOUGH TAPERED ROLLER BEARINGS.



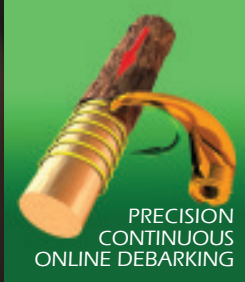
INTEGRAL BARK SHEARS KEEP THE RING FREE OF STRINGY BARK AND DEBRIS.



PATENTED* NICHOLSON STRINGY BARK SPLITTER RING



STANDARD HYDRAULIC POWER UNIT FOR RING CENTERING AND HOLDDOWN ROLLS



PRECISION CONTINUOUS ONLINE DEBARKING

When a log enters the A6, the debarking ring automatically slides up or down to center on the incoming log.

Powerful hydraulic cylinders on the holddown rolls smoothly and accurately hold each log, even crooked or frozen wood.

Fabricated chain that is easy to repair and replace on-site is provided in the standard feedworks configuration.

The Nicholson A6 is available in 22, 27, 35 and 44 inch ring sizes, and in single or tandem ring configurations.

You can even get a tandem ring A6 with the patented Nicholson Stringy Bark Splitter Ring for species that have fibrous bark and are difficult to debark, convey or hog. This ring solves all three of these problems at once!

Proven Nicholson Air Seal rings are standard on the A6. These variable pressure Air Seal rings let you adjust debarking pressure, or open and close the knife arms, during debarking.

A6 rings are the same rings used on Nicholson's other debarkers, including the advanced Nicholson A5B and A8 highspeed debarkers.

A complete hydraulic power unit with oil heater, all final drives (motors optional), automatic ring centering, and pre-plumbed air and electrical circuits are all standard on the A6.

The A6 is a tough and simple design. It is also a design that can grow as your needs change. We offer options like Electronic Ring Centering and Analog Proportional Knife Arm Pressure Control for enhanced small / large log debarking.

Profitably debarking high value logs requires special tools. Now there is a tough and heavily built economical debarker designed just for your application: The Nicholson A6.