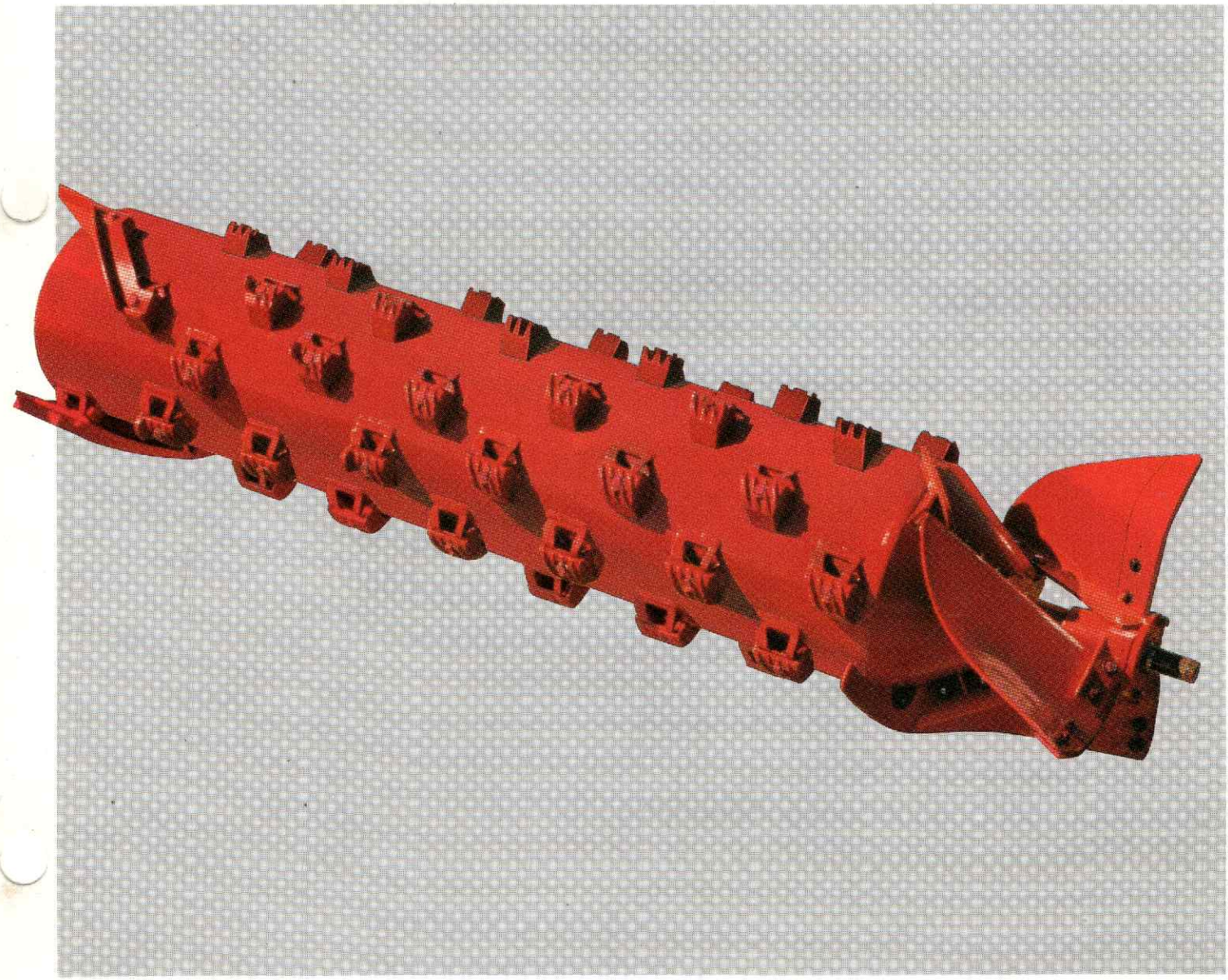
AXIAL-FLOW COMBINES

Specialty Rotor

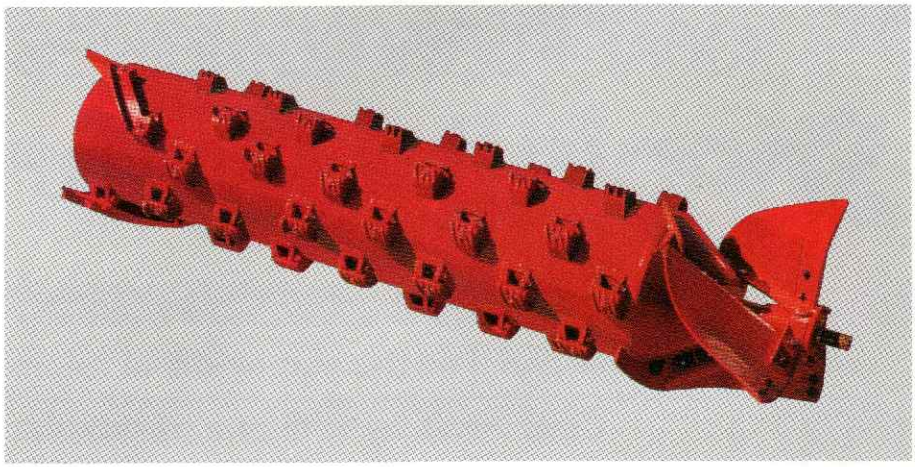
75% less conversion time than competitive rotors

Crop flexibility with one basic rotor

Smooth crop flow for tough, wet crops



ROTOR VARIETIES

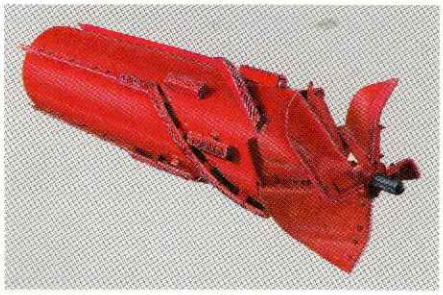


NEW SPECIALTY ROTOR

The 1600 Series Axial-Flow now features a specialty rotor. It replaces the rice and edible bean version found in the 1400 Series, and is available in three versions:

- Rice (factory).
- Edible bean (conversion).
- Edible bean converted for corn (factory).

The new specialty rotor reduces conversion time by 75% over competitive rotors ...increases flexibility to adapt to various crops with one basic rotor...the helical-positioned rasp bars insure smooth crop flow in tough and wet crops.



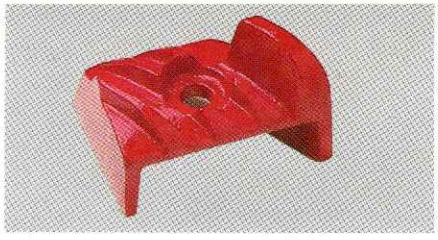
STANDARD ROTOR

The standard rotor for the 1600 Series grain and corn combines is the same as used in the 1400 Series combines. The rotor uses a combination of straight and helical rasp bars over the concave area, with straight separator bars over the separating area.

COMPONENTS WHICH DIFFERENTIATE THE THREE VERSIONS OF THE SPECIALTY ROTOR

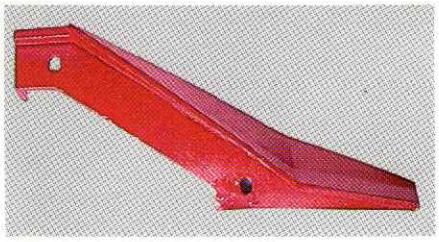
NON-SPIKED RASP BAR

This component is available on all three specialty rotor versions. Wrap-around design protects the mounting pedestal on the rotor. Bolt heads are also shielded from the crop flow. The purpose of this rasp bar is to thresh the crop and insure positive crop movement as a result of their placement in a helical pattern.



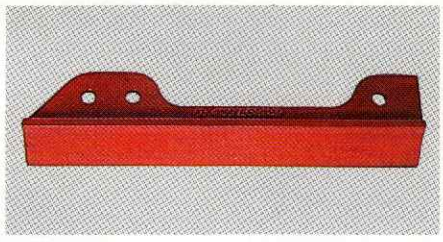
SPIKED RASP BAR

Standard on the rice rotor, the spike increases threshing ability in tough crops, and also features the wrap-around design and bolt head protection.



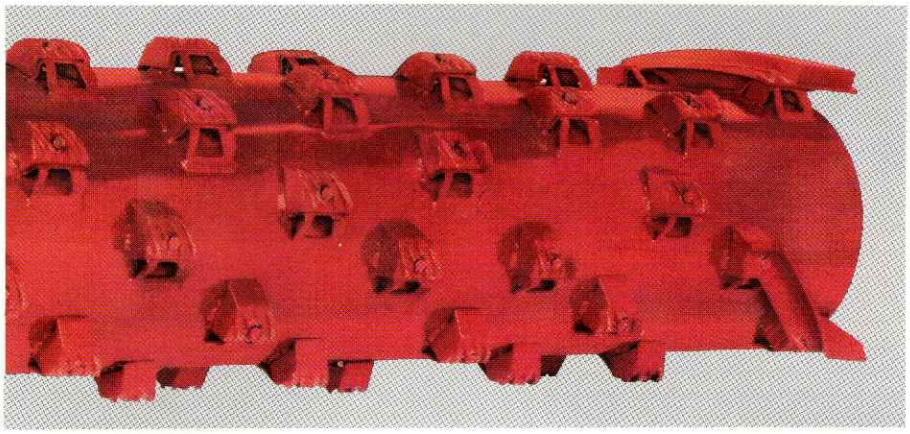
HELICAL KICKER BARS

This design conforms to the helical pattern of the rasp bars and keeps the rotor discharge area clear with all versions of the specialty rotor.



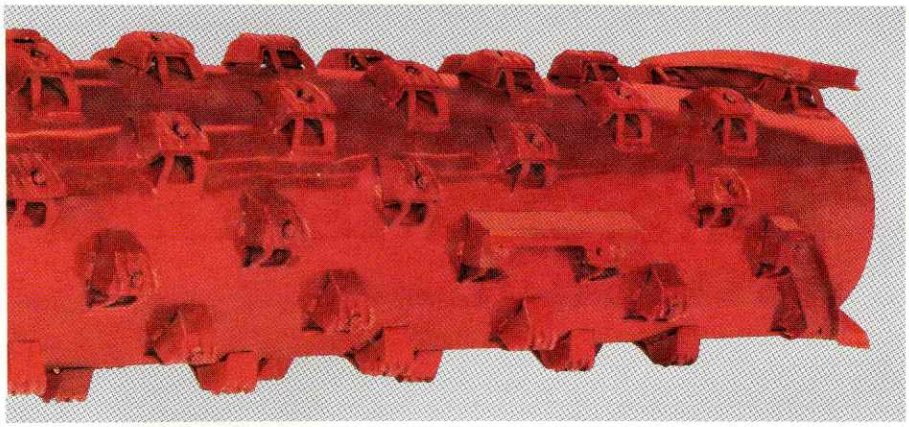
STRAIGHT SEPARATOR BAR

Retards the flow of material for maximum separation in a crop such as corn. Placement of certain rasp bar pedestals on the rotor allows for replacement of pairs of rasp bars with the separator bar.



SPECIALTY ROTOR–RICE

A combination of non-spiked and spiked bars provides an excellent arrangement for all rice conditions. Additional spike bars can be added for down rice or extremely wet conditions. This rotor also provides outstanding performance in soybeans. Where corn is harvested in rice areas, separator bars can be added for increased separation. Bars can be ordered through service parts. The 1600 Series rice rotor version reduces rotor noise, provides improved grain separation and delivers excellent performance in all complementary crops, i.e. soybeans and corn.



SPECIALTY ROTOR–EDIBLE BEANS

Rotors for edible beans are equipped with separator bars. This allows harvesting companion crops without making rotor or cage vane adjustments. For damp harvesting conditions, straight bars may be replaced with non-spiked bars which are shipped with the combine and/or rotor.

COMPONENT BREAKDOWN

	Non-spiked Rasp	Spiked Rasp	Straight Separator Bar	Helical Kickers
1620-Rice	28	8	—	2
1620 Edible Bean	32 and 4 extra	—	2	2
1640 Edible Bean	48 and 6 extra	—	3	3
1660 Rice	42	12	—	3
1660 Edible Bean	48 and 6 extra	—	3	3
1680 Rice	60	16	—	2
1680 Edible Bean	68 and 8 extra	—	4	2

ADAPTABILITY IN OTHER CROPS

Grass Seed–All non-spiked rasp bars are recommended. Spiked bars may be used in extremely damp crops. This arrangement improves performance over both the standard grain rotor and the former (1400) rice rotor.

Milo/Maize–Non-spiked rasp bar provides better separation and improved threshing over the 1400 production rice rotor. Spiked rasp bars may be added in green maize for better separation. The standard rotor equipped with notched separator bars is still acceptable in this crop.

Conclusion: The new specialty rotor enhances the flexibility of the Axial-Flow system for greater efficiency in a variety of crops. This flexibility also provides assurance that the rotor does not have to be removed for adapting to various crops, and the owner or operator can spend more of his valuable time in the field. Test results indicate that when conversions are required, the time involved is reduced by 75% or more compared to competitive specialty rotors.

These rotors can be installed in 1400 series combines and are available through service parts.

Attention Australian Readers. Local availability, standard specifications and options may vary from those listed or illustrated in this North American publication. Your local Case branch or dealer will gladly advise concerning Australian availability and recommended specifications.

J I Case (Australia) Pty. Ltd
(Incorporated in New South Wales)
A Tenneco Company
Windsor Road, Northmead, N.S.W. 2152
Telephone (02) 683 1666, Telex 21110

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