

Mill Roller

MRH500 - Hurricane roller mill

ABC Hansen Africa manufactures a full range of roller mills as part of its milling and processing range of equipment. The Hurricane roller mill is a roller mill, based on a roller with a 500mm width and a 250mm diameter. Rolls are spin casted from high strength alloys, and are fluted to customer specifications, depending on the product and quality of the desired end result.

Three different combinations are available on the machine.

- The double roller or two stage - which has 2 pairs of rollers with or without an integrated single eccentric sifter.
- The triple roller or three stage - which has 3 pairs of rollers with or without an integrated double eccentric sifter
- The quad roller or four stages - which has 4 pairs of rollers with an integrated double eccentric sifter.

The integrated eccentric sifters can be used as an preliminary split for taking off different grades of meal/flour, as well as removing bran, reducing the strain on the final sifting process. The roller mills are, as a rule included in super maize mill plants, as well as in all wheat mills, as the roller mill provides an even milling process, with very little fines/unders, when compared to for example hammer mills, thus giving a better yield between for example Super quality and Special quality maize meal. The roller mill can also be used for milling raw maize, as the eccentric sifter will screen out most of the bran in the meal, producing a better, whiter product than a straight run maize meal through a hammer mill.



	Double Stand	Triple Stand	Quad Stand
Capacity (T/h)	550 kg/hr	800kg/hr	1100kg/hr
Height	2,315mm	3,115mm	3600mm
Width	1310mm	1310mm	1310mm
Length	3400mm	3400mm	3400mm
Weight	1,100kg	1,550kg	2,100kg
No of rolls	4	6	8
Size of rolls	500mm length, 250mm diameter		
Standard fluting	Degerminated maize: 14 FPI, 16 FPI, 18 FPI Non-degerminated maize: 12 FPI, 16 FPI, 18 FPI		
Power required	18 KW	27 KW	36 KW
Materials	Painted mild steel construction		