

Machine Specifications Comparison - WSM Model 4064 4864 Horizontal Grinders

	A	B	C
1		<u>WSM Model 4864</u>	<u>WSM Model 4064</u>
2	Rotor Diameter	48" - tip to tip	40" - tip to tip
3	Rotor Length	64"	64"
4	Rotor Weight - standard	13,240 lbs.	8835 lbs.
5	Rotor Weight - with optional shark fin attachments	15,580 lbs.	10,635 lbs.
6	No. of Rigid Cutters	Qty. 18 @ 110 - 190 lbs. ea.	Qty. 18-24 - standard with 24 @ 110 lbs. ea.
7	Rotor Speed	600-1200 rpm	900-1200 rpm
8	Rotor Shaft - Center Diameter	10.75"	9.5"
9	Rotor Shaft - Bearing Diameter	8.66"	7.496"
10	Rotor Shaft - Shaft Extension Diameter	6.9375"	6.75"
11	Bearing Housings	SKF - Cast Steel - Pillow Block	SKF - Cast Steel - Pillow Block
12	Bearings	SKF - Double Row - Spherical Roller - 22244	SKF - Double Row - Spherical Roller - 22238
13	Lubrication	Grease or Circulating Oil	Grease or Circulating Oil
14	Removable Bearing Support Blocks	Standard	Standard
15	Hydraulic Bearing Removal	Standard	Standard
16	Rotor Rotation	Upstroke or downstroke	Upstroke or downstroke
17	Cutter Tips	Reversible/Re-buildable/Replaceable - alloy steel forging with machined fit and tungsten carbide wear surface	Reversible/Re-buildable/Replaceable - alloy steel forging with machined fit and tungsten carbide wear surface
18	Cutter Tip Mounting	Single grade 8 bolt (1-1/4")secures threaded tip in to machined "shoulder" - secure and proven mounting arrangement	Single grade 8 bolt (1-1/4")secures threaded tip in to machined "shoulder" - secure and proven mounting arrangement
19	Hammer Bodies	T-1 Steel - Dual Pin Holes - 3"-5" thick	T-1 Steel - Dual Pin Holes - 3" thick
20	Hammer Pins	4" diameter - 4140 alloy steel	3" diameter - 4140 alloy steel
21	Open Screen Area	48" diameter x 64" wide rotor - 210 degrees open screen area - 5,630 sq. inches	40" diameter x 64" wide rotor - 210 degrees open screen area - 4,690 sq. inches
22	Screen Grates	Modular - grate bar or perforated plate - reversible and interchangeable	Modular - grate bar or perforated plate - reversible and interchangeable
23	Case Construction	Fabricated steel - 3/4"-1" plate	Fabricated steel - 3/4" plate
24	Interior Wear Liners	T-1 Steel - drilled and tapped for mounting from outside frame - 1"-3" thick	T-1 Steel - drilled and tapped for mounting from outside frame - 1"-3" thick

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25	Anvils - Upper & Lower	Upper anvil is utilized in "upstroke" operation - reversible 3" thick AR plate with shear pin release mechanism. Lower anvil is 4" thick (heat treated) alloy steel - single piece construction - reversible	Upper anvil is utilized in "upstroke" operation - reversible 3" thick AR plate with shear pin release mechanism. Lower anvil is 4" thick (heat treated) alloy steel - single piece construction - reversible
26	Overall Machine Weight - Infeed Conveyor, Power Feed, Grinder	88,750 lbs.	65,580 lbs.
27	Typical Power	400-1000 HP	400-800 HP