

**OD/ID** Grinder

## RSM 750 • 1000 • 1500 • 2000 C

High-precision cylindrical grinding machine for inside and outside machining



- Extra heavy, wide machine bed with heavy ribbing and one-piece mono-block construction
- Induction-hardened and ground guide slots ensure long-term accuracy and minimum wear
- Massive headstock with high-precision main spindle on a tapered roller bearing with 4 inch spindle bore for excellent stability under heavy loads
- Very quiet operation at maximum spindle speed
- · Large gears, hardened and ground
- · Joystick control for X and Z feeds is mounted directly to support
- Manually shifted 4-step gearbox with hiqh-quality frequency control combined with a powerful main spindle motor with up to 10 Hp power allow exact tuning of rpm and high torque to provide maximum power even under heaviest loads
- For quick positioning and reduced down-time, the support is equipped with a rapid feed on X and Z-axes
- Adjustable overload clutch in apron protects the feed mechanics from damages
   and failures



**RSM Series Grinding Spindle** 

## **Standard Equipment**

2-axis position indicator, internal grinding equipment, open rest, closed rest, 3-jaw chuck, Ø 7.87", coolant system, grinding wheel dresser, balancing station, balancing mandrel, grinding wheel flange, center point, front and rear splatter guard, drivers, operating tools, operator manual



Working Area         in         5         7         7           Center height         in         0.3 - 7.9         0.3 - 12.6         0.3 - 12.6         0.3 - 12.6         0.6 - 12.6           With stady rest         in         0 - 2         2         2         6           Grinding length         in         30         39         59         79           inside grinding diameter with rest         in         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9           inside grinding diameter without rest         in         1 - 3.9         1.2 - 3.9         1.2 - 3.9         1.2 - 3.9           inside grinding diameter without rest         in         1 - 4.9         4.9         4.9         4.9           Work piece weight between centers (max.)         Ibs         17.6         330         330         330           Grinding diameter         in         0.0001         0.0001         0.0001         0.0001           Chuck diameter         in         8         8         8         8         1.385         1.335         1.333.8           Work spindle speeds         in/s         1,365         1.355         3.9 - 156         3.9 - 156         3.9 - 156         3.9 - 156         3.9 - 156	Specifications RSM		750 C	1000 C	1500 C	2000 C
Center height         in         5         7         7         7           Grinding diameter         in         0.3 - 7.9         0.3 - 12.6         0.6 - 12.6         0.6 - 12.6           Grinding length         in         0.3 - 7.9         0.3 - 12.6         0.6 - 12.6         0.6           Grinding length         in         0.3 - 7.9         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9           Inside grinding dameter without rest         in         1.4 . 9         1.4 - 3.9         1.2 - 3.9         1.2 - 3.9         1.2 - 3.9           Inside grinding dameter without rest         in         4.9         4	-					
With steady rest         in         0 - 2         2         2         6           Grinding length         in         30         39         59         79           Inside grinding diameter with rest         in         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9           Inside grinding diameter without rest         in         1.3.9         1.2 - 3.9         1.2 - 3.9         1.2 - 3.9           Inside grinding diameter without rest         in         4.9         4.9         4.9         4.9           Work picce weight between centers (max.)         ins         0.0001         0.0001         0.0001         0.0001         0.0001           Chuck diameter         in         8         8         8         8         8           Table swivel range (max.)         -2' / +6''         3'' / 7''         -3' / +6''         -3'' / +5''           Whet speeds         rpm         50 Hiz 25-380         50 Hiz 25-20         50 Hiz 25-20         50 Hiz 25-20           Table feed chinfnitely variable         in/min         3.9 - 156         3.9 - 156         3.9 - 156         3.9 - 156           Feed per nacroid vision X-axis         in         0.010008         0.00039         0.00039         0.00039           Run-out	Center height	in	5	7	7	7
With steady rest         in         0 - 2         2         2         6           Grinding langth         in         30         39         59         79           Inside grinding dameter without rest         in         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9         1.4 - 3.9           Inside grinding dameter without rest         in         1.3 9         1.2 - 3.9         1.2 - 3.9         1.2 - 3.9           Inside grinding dameter without rest         in         4.9         4.9         4.9         4.9           Work piece weight between centers (max.)         lbs         176         330         330         330           Grinding wheel feed (min.)         in         0.0001         0.0001         0.0001         0.0001           Vork spindle speeds         in/s         1.365         1.365         1.333.8         Wheel speeds         1.9         1.0         10           Tavels         rest         rpm         5.0 Hz: 25-380         50 Hz: 25-220         50 Hz: 2	Grinding diameter	in	0.3 - 7.9	0.3 - 12.6	0.3 - 12.6	0.6 - 12.6
Inside grinding diameter with rest       in       1.4 - 3.9       1.4 - 3.9       1.4 - 3.9       1.4 - 3.9       1.4 - 3.9       1.4 - 3.9       1.4 - 3.9       1.2 - 3.9	With steady rest	in	0 - 2	2	2	6
Inside grinding diameter without rest       in       1 - 3.9       1.2 - 3.9       1.2 - 3.9       1.2 - 3.9         Inside grinding depth       in       4.9       4.9       4.9       4.9         Inside grinding depth       in       4.9       4.9       4.9       4.9         Work piece weight between centers (max.)       lbs       176       330       330       330         Grinding wheel feed (min.)       in       0.0001       0.0001       0.0001       0.0001       0.0001         Chuck diameter       in       8       8       8       8       8         Table swile range (max.)       -2' / 46"       3' / 47"       -3' / 46"       -3' / 45"         Wheel speeds       in/s       1.365       1.365       1.33.8       1.33.8         Work spice weight setweel       in       8       10       10       10         Feed       Farteris       in       0.0197       0.0394       0.0394       0.0394         Grinding head travel       in       0.00038       0.00039       0.00039       0.00039         Accuracies       In       0.0197       0.0394       0.0394       0.0394       0.0394         Grinding spindle deviation       in <td>Grinding length</td> <td>in</td> <td>30</td> <td>39</td> <td>59</td> <td>79</td>	Grinding length	in	30	39	59	79
Inside grinding depth         in         4.9         4.9         4.9         4.9           Work piece weight between centers (max.)         Ibs         176         330         330         330           Grinding wheel feed (min.)         in         0.00011         0.00011         0.00011         0.00011           Chuck diameter         in         8         8         8         8           Table swivel range (max.)         -2" / 46"         -3" / 47"         -3" / 46"         -3" / 45"           Wheel speeds         in/s         1,365         1,365         1,365         1,333.8           Work spindle speeds         rpm         50 Hz: 25-320         50 Hz: 25-220	Inside grinding diameter with rest	in	1.4 - 3.9	1.4 - 3.9	1.4 - 3.9	1.4 - 3.9
Work piece weight between centers (max.)         Ibs         176         330         330         330           Grinding wheel feed (min.)         in         0.0001         0.0001         0.0001         0.0001           Chuck diameter         in         8         8         8         8           Table switel range (max.)         -2° / +6°         -3° / +7°         -3° / +6°         -3° / +5°           Wheel speeds         in/s         1,365         1,365         1,385         1,385           Work spindle speeds         rpm         50 Hz: 25-320         50 Hz: 25-220         50 Hz: 25-220         50 Hz: 25-220           Tavels	Inside grinding diameter without rest	in	1 - 3.9	1.2 - 3.9	1.2 - 3.9	1.2 - 3.9
Grinding wheel feed (min.)         in         0.0001         0.0001         0.0001         0.0001           Chruck diameter         in         8         8         8         8           Chruck diameter         in         8         8         8         8           Table swivel range (max.)         -2" / +6"         -3" / +7"         -3" / +6"         -3" / +7"           Wheel speeds         in/s         1,365         1,365         1,365         1,333.8           Work spiralle speeds         rpm         50 Hz: 25-320         50 Hz: 25-220         50 Hz: 25-220         50 Hz: 25-220           Travels         r         50 Hz: 25-320         50 Hz: 25-220         50 Hz: 25-220         50 Hz: 25-220           Travels         r         0         0         10         10         10           Feed per hand-wheel rotation X-axis         in         0.0197         0.0394         0.0394         0.0394           Recuracies         r         r         0         0         0         0         0           Run-out deviation         in         0         0         0         0         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039	Inside grinding depth	in	4.9	4.9	4.9	4.9
Chuck diameter         in         8         8         8         8           Table swivel range (max.) $-2^{\circ} / +6^{\circ}$ $-3^{\circ} / +7^{\circ}$ $-3^{\circ} / +6^{\circ}$ $-3^{\circ} / +5^{\circ}$ $-3^{\circ} / 5^{\circ} / 5^{\circ}$ $-5^{\circ} / 5^{\circ} / 5^{\circ} / 5^{\circ}$ $-5^{\circ} / 5^{\circ} / 5^{\circ} / 5^{\circ} / 5^{\circ}$ $-5^{\circ} / 5^{\circ} / 5^{\circ}$	Work piece weight between centers (max.)	lbs	176	330	330	330
Table swivel range (max.) $-2^\circ$ / +6^\circ $-3^\circ$ / +7^\circ $-3^\circ$ / +6^\circ $-3^\circ$ / +5^\circ         Whele speeds       in/s       1,365       1,365       1,333.8         Work spindle speeds       rpm       50 Hz: 25-380       50 Hz: 25-220       50 Hz: 25-220       50 Hz: 25-220         Grinding head travel       in       8       10       10       10         Feed        Table feed, infinitely variable       in/min       3.9 - 156       3.9 - 156       3.9 - 156       3.9 - 156         Feed per hand-wheel rotation X-axis       in       0.0197       0.0394       0.0394       0.0394         Run-out deviation       in       0       0       0       0       0         Run-out deviation       in       0       0       0       0       0         Run-out deviation       in       0       0.00039       0.00039       0.00039         Roughness       µm Ra       <0.32	Grinding wheel feed (min.)	in	0.0001	0.0001	0.0001	0.0001
Wheel speeds         in/s         1,365         1,365         1,365         1,365         1,333.8           Work spindle speeds         rpm         50 Hz: 25-380         50 Hz: 25-220         50 Hz: 25-	Chuck diameter	in	8	8	8	8
Work spindle speeds         rpm         50 Hz: 25-380         50 Hz: 25-220         50 Hz: 25-220         50 Hz: 25-220           Travels	Table swivel range (max.)		-2° / +6°	-3° / +7°	-3° / +6°	-3° / +5°
Travels         in         8         10         10         10           Freed	Wheel speeds	in/s	1,365	1,365	1,365	1,333.8
Grinding head travel         in         8         10         10         10           Feed	Work spindle speeds	rpm	50 Hz: 25-380	50 Hz: 25-220	50 Hz: 25-220	50 Hz: 25-220
Feed         in/min         3.9 - 156         3.0 - 0.000098         0.000039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.00039         0.0032         -1.032         0.145         0.145         0.145         0.145	Travels					
Table feed, infinitely variable         in/min         3.9 - 156         3.9 - 156         3.9 - 156         3.9 - 156           Feed per hand-wheel rotation X-axis         in         0.0197         0.0394         0.0394         0.0394           Feed per scale division X-axis         in         0.00098         0.00098         0.00098         0.00098           Accuracies         Run-out deviation         in         0         0         0         0           Standard eviation         in         0.00031         0.00039         0.00039         0.00039           Roughness         μm Ra         <=0,32	Grinding head travel	in	8	10	10	10
Feed per hand-wheel rotation X-axis         in         0.0197         0.0394         0.0394         0.0394           Feed per scale division X-axis         in         0.000098         0.000098         0.000098         0.000098           Accuracies              0.00039         0.00039         0.00039           Quindrical deviation         in         0.00031         0.00039         0.00039         0.00039           Roughness         µm Ra         <=0,32	Feed					
Feed per scale division X-axis         in         0.000098         0.000098         0.000098           Accuracies         Number of the state of	Table feed, infinitely variable	in/min	3.9 - 156	3.9 - 156	3.9 - 156	3.9 - 156
Accuracies           Run-out deviation         in         0         0         0           Cylindrical deviation         in         0.00031         0.00039         0.00039           Roughness         µm Ra         <=0,32	Feed per hand-wheel rotation X-axis	in	0.0197	0.0394	0.0394	0.0394
Run-out deviation         in         0         0         0         0           Cylindrical deviation         in         0.00031         0.00039         0.00039         0.00039           Roughness         µm Ra         <=0,32	Feed per scale division X-axis	in	0.000098	0.000098	0.000098	0.000098
Construction         In         0.00031         0.00039         0.00039         0.00039           Roughness         µm Ra         <=0,32	Accuracies					
Roughness         μm Ra         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <=0,32         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45         <0,45 <t< td=""><td>Run-out deviation</td><td>in</td><td>0</td><td>0</td><td>0</td><td>0</td></t<>	Run-out deviation	in	0	0	0	0
Headstock           Working headstock swivel range         deg         0 - 45         0 - 45         0 - 45           Working spindle taper         MT         4         4         4           Grinding headstock           4         4           Grinding spindle speed         rpm         0 - 1,670         0 - 1,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,010         10,010 <td>Cylindrical deviation</td> <td>in</td> <td>0.00031</td> <td>0.00039</td> <td>0.00039</td> <td>0.00039</td>	Cylindrical deviation	in	0.00031	0.00039	0.00039	0.00039
Working headstock swivel range         deg         0 - 45         0 - 45         0 - 45           Working spindle taper         MT         4         4         4           Grinding headstock         rpm         0 - 1,670         0 - 1,305.6           Grinding headstock swivel range (r+l)         30°         30°         30°         30°         30°         30°           Inside grinding spindle speed         rpm         10,000         10,000         10,000         10,000         10,000           Tailstock         in         1         1         1         1         1         1         1         1           Drive Capacity         Hp         5,36 / 1         7.4 / 1         4 /	Roughness	µm Ra	<=0,32	<=0,32	<=0,32	<=0,32
Order         MT         4         4         4         4           Grinding spindle taper         MT         4         4         4         4           Grinding headstock         rpm         0 - 1,670         0 - 1,305.6           Grinding headstock swivel range (r+I)         30°         30°         30°         30°         30°         30°           Tailstock         T         4         4         4         4         4           Tailstock quill stroke         in         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	Headstock					
Grinding headstock           Grinding spindle speed         rpm         0 - 1,670         0 - 1,670         0 - 1,670         0 - 1,305.6           Grinding headstock swivel range (r+l)         30°         30°         30°         30°           Inside grinding spindle speed         rpm         10,000         10,000         10,000         10,000           Tailstock         rpm         10,000         10,000         10,000         10,000           Tailstock taper         MT         4         4         4           Tailstock quill stroke         in         1         1         1           Drive Capacity          5,36 / 1         7.4 / 1         4 / 0.6         10 / 1           Motor rating - grinding spindle / hydraulic pump         Hp         5,36 / 1         7.4 / 1         4 / 0.6         10 / 1           Motor rating - headstock / coolant pump         Hp         1.5         1.5         1.5         1.5           Motor rating - headstock / coolant pump         Hp         0,75 / 0,13         2 / 0.17         1 / 0.1         2 / 0.2           Measures and Weights         in         16x2x8         16x2x8         16x2x8         20x2x8           Grindstone dimensions, inside grinding (max.)         in <t< td=""><td>Working headstock swivel range</td><td>deg</td><td>0 - 45</td><td>0 - 45</td><td>0 - 45</td><td>0 - 45</td></t<>	Working headstock swivel range	deg	0 - 45	0 - 45	0 - 45	0 - 45
Grinding spindle speed         rpm         0 - 1,670         0 - 1,670         0 - 1,670         0 - 1,670         0 - 1,305.6           Grinding headstock swivel range (r+l)         30°	Working spindle taper	MT	4	4	4	4
Grinding headstock swivel range (r+l)       30°       30°       30°       30°       30°         Inside grinding spindle speed       rpm       10,000       10,000       10,000       10,000         Tailstock       m       4       4       4       4         Tailstock taper       MT       4       4       4         Tailstock quill stroke       in       1       1       1         Drive Capacity       m       5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating - grinding spindle / hydraulic pump       Hp       5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating - headstock / coolant pump       Hp       1.5       1.5       1.5       1.5         Motor rating - headstock / coolant pump       Hp       0,75 / 0,13       2 / 0.17       1 / 0.1       2 / 0.2         Measures and Weights       m       16x2x8       16x2x8       16x2x8       20x2x8         Grinding wheels dimensions, inside grinding (max.)       in       1.8x1.4x0.4       0.7x0.8x0.2       0.7x0.8x0.2       0.7x0.8x0.2         Overall dimensions (length x width x height)       in       118.1x70.9x65       142.1x71.3x59.8       181.5x71.3x59.8       220.9x71.3x59         Weight<	Grinding headstock					
Inside grinding spindle speed       rpm       10,000       10,000       10,000       10,000         Tailstock       Tailstock taper       MT       4       4       4       4         Tailstock taper       MT       4       4       4       4         Tailstock quill stroke       in       1       1       1       1         Drive Capacity         5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating - grinding spindle / hydraulic pump       Hp       5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating - headstock / coolant pump       Hp       1.5       1.5       1.5       1.5         Motor rating - headstock / coolant pump       Hp       0,75 / 0,13       2 / 0.17       1 / 0.1       2 / 0.2         Measures and Weights          16x2x8       16x2x8       20x2x8         Grinding wheels dimensions, inside grinding (max.)       in       1.8x1.4x0.4       0.7x0.8x0.2       0.7x0.8x0.2       0.7x0.8x0.2         Overall dimensions, inside grinding (min.)       in       118.1x70.9x65       142.1x71.3x59.8       181.5x71.3x59.8       220.9x71.3x59.8         Weight       Ibs       7,700       8,140       9	Grinding spindle speed	rpm	0 - 1,670	0 - 1,670	0 - 1,670	0 - 1,305.6
Tailstock         Tailstock taper       MT       4       4       4         Tailstock quill stroke       in       1       1       1         Tailstock quill stroke       in       1       1       1       1         Drive Capacity         5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating - grinding spindle / hydraulic pump       Hp       5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating inside grinding       Hp       1.5       1.5       1.5       1.5         Motor rating - headstock / coolant pump       Hp       0,75 / 0,13       2 / 0.17       1 / 0.1       2 / 0.2         Measures and Weights            20.2          Grinding wheels dimensions, inside grinding (max.)       in       16x2x8       16x2x8       16x2x8       20x2x8         Grindstone dimensions, inside grinding (min.)       in       1.8x1.4x0.4       0.7x0.8x0.2       0.7x0.8x0.2       0.7x0.8x0.2         Overall dimensions (length x width x height)       in       118.1x70.9x65       142.1x71.3x59.8       181.5x71.3x59.8       220.9x71.3x59.8         Weight       lbs       7,700       8,140       9	Grinding headstock swivel range (r+l)		30°	30°	30°	30°
Tailstock taper       MT       4       4       4       4         Tailstock quill stroke       in       1       1       1       1         Drive Capacity       Image: Comparison of the compari	Inside grinding spindle speed	rpm	10,000	10,000	10,000	10,000
Tailstock quill stroke       in       1       1       1       1         Drive Capacity       Motor rating - grinding spindle / hydraulic pump       Hp       5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating inside grinding       Hp       1.5       1.5       1.5       1.5         Motor rating - headstock / coolant pump       Hp       0,75 / 0,13       2 / 0.17       1 / 0.1       2 / 0.2         Measures and Weights       In       16x2x8       16x2x8       20x2x8         Grinding wheels dimensions, inside grinding (max.)       in       2x1.6x0.6       2x1x0.5       2x1x0.5       2x1x0.5         Grindstone dimensions, inside grinding (min.)       in       1.8x1.4x0.4       0.7x0.8x0.2       0.7x0.8x0.2       0.7x0.8x0.2         Overall dimensions (length x width x height)       in       118.1x70.9x65       142.1x71.3x59.8       181.5x71.3x59.8       220.9x71.3x59         Weight       lbs       7,700       8,140       9,460       14,520	Tailstock					
Drive Capacity           Motor rating - grinding spindle / hydraulic pump         Hp         5,36 / 1         7.4 / 1         4 / 0.6         10 / 1           Motor rating inside grinding         Hp         1.5         1.5         1.5         1.5           Motor rating - headstock / coolant pump         Hp         0,75 / 0,13         2 / 0.17         1 / 0.1         2 / 0.2           Measures and Weights         Instructure         Instructure         Instructure         Instructure         Instructure           Grinding wheels dimensions, inside grinding (max.)         in         16x2x8         16x2x8         16x2x8         20x2x8         20x1x0.5         2x1x0.5         2x1x0.5 <td>Tailstock taper</td> <td>MT</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td>	Tailstock taper	MT	4	4	4	4
Motor rating - grinding spindle / hydraulic pump       Hp       5,36 / 1       7.4 / 1       4 / 0.6       10 / 1         Motor rating inside grinding       Hp       1.5       1.5       1.5       1.5         Motor rating - headstock / coolant pump       Hp       0,75 / 0,13       2 / 0.17       1 / 0.1       2 / 0.2         Measures and Weights       Instant	Tailstock quill stroke	in	1	1	1	1
Motor rating inside grinding         Hp         1.5         1.5         1.5         1.5           Motor rating - headstock / coolant pump         Hp         0,75 / 0,13         2 / 0.17         1 / 0.1         2 / 0.2           Measures and Weights         Instructure	Drive Capacity					
Motor rating - headstock / coolant pump       Hp       0,75 / 0,13       2 / 0.17       1 / 0.1       2 / 0.2         Measures and Weights	Motor rating - grinding spindle / hydraulic pump	Hp	5,36 / 1	7.4 / 1	4 / 0.6	10 / 1
Measures and Weights           Grinding wheels dimensions         in         16x2x8         16x2x8         20x2x8           Grindstone dimensions, inside grinding (max.)         in         2x1.6x0.6         2x1x0.5         2x1x0.5         2x1x0.5           Grindstone dimensions, inside grinding (min.)         in         1.8x1.4x0.4         0.7x0.8x0.2         0.7x0.8x0.2         0.7x0.8x0.2           Overall dimensions (length x width x height)         in         118.1x70.9x65         142.1x71.3x59.8         181.5x71.3x59.8         220.9x71.3x59           Weight         lbs         7,700         8,140         9,460         14,520	Motor rating inside grinding	Нр	1.5	1.5	1.5	1.5
Grinding wheels dimensions         in         16x2x8         16x2x8         16x2x8         20x2x8           Grindstone dimensions, inside grinding (max.)         in         2x1.6x0.6         2x1x0.5         2x1x0.5         2x1x0.5           Grindstone dimensions, inside grinding (min.)         in         1.8x1.4x0.4         0.7x0.8x0.2         0.7x0.8x0.2         0.7x0.8x0.2           Overall dimensions (length x width x height)         in         118.1x70.9x65         142.1x71.3x59.8         181.5x71.3x59.8         220.9x71.3x59           Weight         lbs         7,700         8,140         9,460         14,520	Motor rating - headstock / coolant pump	Нр	0,75 / 0,13	2 / 0.17	1 / 0.1	2/0.2
Grindstone dimensions, inside grinding (max.)         in         2x1.6x0.6         2x1x0.5         2x1x0.5         2x1x0.5           Grindstone dimensions, inside grinding (min.)         in         1.8x1.4x0.4         0.7x0.8x0.2         0.7x0.8x0.2         0.7x0.8x0.2           Overall dimensions (length x width x height)         in         118.1x70.9x65         142.1x71.3x59.8         181.5x71.3x59.8         220.9x71.3x59           Weight         Ibs         7,700         8,140         9,460         14,520	Measures and Weights					
Grindstone dimensions, inside grinding (min.)         in         1.8x1.4x0.4         0.7x0.8x0.2         <	Grinding wheels dimensions	in	16x2x8	16x2x8	16x2x8	20x2x8
Overall dimensions (length x width x height)         in         118.1x70.9x65         142.1x71.3x59.8         181.5x71.3x59.8         220.9x71.3x59           Weight         Ibs         7,700         8,140         9,460         14,520	Grindstone dimensions, inside grinding (max.)	in	2x1.6x0.6	2x1x0.5	2x1x0.5	2x1x0.5
Weight Ibs 7,700 8,140 9,460 14,520	Grindstone dimensions, inside grinding (min.)	in	1.8x1.4x0.4	0.7x0.8x0.2	0.7x0.8x0.2	0.7x0.8x0.2
	Overall dimensions (length x width x height)	in	118.1x70.9x65	142.1x71.3x59.	8 181.5x71.3x59.	8 220.9x71.3x59.8
Part No. 302444 302445 302446 302447	Weight	lbs	7,700	8,140	9,460	14,520
	Part No.		302444	302445	302446	302447