








Oztec Power Unit, Shaft, Vibrator Head Selection Chart

*All Heads, Shafts and Power Units Are Interchangeable**

- 1. Select Head Size 2. Select Shaft Length 3. Select Power Unit (Do Not Exceed Maximum Head Size)**

HEADS		SHAFTS		POWER UNITS																																																																							
<p style="text-align: center;">Steel</p>  <p>Part No.</p> <p>*3/4" HP 075 OZ</p> <p>1" H 100 OZ</p> <p>1 1/4" H 125 OZ</p> <p>1 1/2" H 150 OZ</p> <p>1 3/4" H 175 OZ</p> <p>2" H 200 OZ</p> <p>2 1/2" H 250 OZ</p> <p style="text-align: center;">Short Heads</p> <p>Part No.</p> <p>*3/4 x 6" HSP 075 OZ</p> <p>1 1/4 x 6" HS 125 OZ</p> <p>1 3/4 x 6" HS 175 OZ</p>		<p style="text-align: center;">High Efficiency RubberHead™</p>  <p>Part No.</p> <p>1 7/8" HR 188 OZ</p> <p>2 1/2" HR 250 OZ</p> <p>2 3/4" HR 275 OZ</p> <p>2 3/4x6" HSR 275 OZ</p> <div style="text-align: center;">  <p>Rubber noses Available for all steel heads. Add "RT" to Steel Head Part No.</p> </div> <p style="text-align: center;">Pencil Shafts</p> <p>Part No.</p> <p>2' FS 02 OZ</p> <p>5' FS 05 OZ</p> <p>7' FS 07 OZ</p> <p>10' FS 10 OZ</p> <p>12' FS 12 OZ</p> <p>14' FS 14 OZ</p> <p>16' FS 16 OZ</p> <p>18' FS 18 OZ</p> <p>21' FS 21 OZ</p> <p>3' FSP 03 OZ</p> <p>6' FSP 06 OZ</p> <p>9' FSP 09 OZ</p> <p>11' FSP 11 OZ</p> <p>15' FSP 15 OZ</p> <p>20' FSP 20 OZ</p>		<p style="text-align: center;">Electric Motors</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Model</th> <th rowspan="2">Amps</th> <th rowspan="2">HP</th> <th colspan="2">Maximum Head Size</th> </tr> <tr> <th>Steel</th> <th>Rubber</th> </tr> </thead> <tbody> <tr> <td>1.2 OZ</td> <td>9</td> <td>1 1/4</td> <td>1 1/2"</td> <td>None</td> </tr> <tr> <td>1.8 OZ</td> <td>15</td> <td>1 3/4</td> <td>1 3/4"</td> <td>None</td> </tr> <tr> <td>2.4 OZ</td> <td>17</td> <td>2 1/4</td> <td>2"</td> <td>[1 7/8" short 2 3/4" short</td> </tr> <tr> <td>3.2 OZ</td> <td>19</td> <td>3 1/4</td> <td>2 1/2"</td> <td>2 3/4"</td> </tr> </tbody> </table> <p style="text-align: center;">Gas Engines</p>  <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Back Packs</th> <th colspan="2"></th> <th colspan="2">Maximum Head Size</th> </tr> <tr> <th>Model</th> <th>HP</th> <th>Steel</th> <th>Rubber</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>BP - 35</td> <td>1 3/4</td> <td>1 1/2"</td> <td>None</td> <td colspan="2"></td> </tr> <tr> <td>BP - 50a</td> <td>2 1/2</td> <td>2 1/2"</td> <td>2 1/2"</td> <td colspan="2">2 3/4" short</td> </tr> </tbody> </table>  <p>Carry Handle Models (Briggs & Stratton/Honda)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Model</th> <th>HP</th> <th>Steel</th> <th>Rubber</th> </tr> </thead> <tbody> <tr> <td>GV-5</td> <td>5/5.5</td> <td>2 1/2"</td> <td>2 3/4"</td> </tr> </tbody> </table>  <p>Wheelbarrow (Briggs & Stratton/Honda)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Model</th> <th>HP</th> <th>Steel</th> <th>Rubber</th> </tr> </thead> <tbody> <tr> <td>GV-5W</td> <td>5/5.5</td> <td>2 1/2"</td> <td>2 3/4"</td> </tr> </tbody> </table>					Model	Amps	HP	Maximum Head Size		Steel	Rubber	1.2 OZ	9	1 1/4	1 1/2"	None	1.8 OZ	15	1 3/4	1 3/4"	None	2.4 OZ	17	2 1/4	2"	[1 7/8" short 2 3/4" short	3.2 OZ	19	3 1/4	2 1/2"	2 3/4"	Back Packs				Maximum Head Size		Model	HP	Steel	Rubber			BP - 35	1 3/4	1 1/2"	None			BP - 50a	2 1/2	2 1/2"	2 1/2"	2 3/4" short		Model	HP	Steel	Rubber	GV-5	5/5.5	2 1/2"	2 3/4"	Model	HP	Steel	Rubber	GV-5W	5/5.5	2 1/2"	2 3/4"
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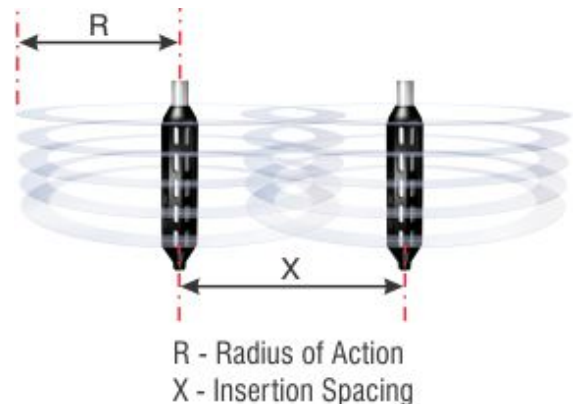
All dimensions shown are nominal, actual dimensions may vary. Call for details.

All Oztec vibrators meet or exceed ACI specification #309

Radius of Action - The most important bit of information needed for complete consolidation.

Radius of Action is the distance from the center of the vibrator to the outer edge, where complete consolidation takes place (see diagram). For quality concrete Oztec lists conservative values for "Radius of Action". Complete consolidation is necessary for low slump concrete with close meshed reinforcement bars, high strength concrete and architectural concrete.

Radius of Action can be twice the listed values when slump is high or super plasticizers are used. It is important these values are used only as a general guide. Specifications are subject to change.



Head Diameter	Radius of Action (R- inches)	X = 1 1/2 Times Radius of Action	Amplitude Centerline to Side (inches)	Centrifugal Force (pounds)	Compaction Rate (cu. yds. / hour)
Steel Heads					
3/4"	3	5	0.03	155	1-3
1"	4	6	0.04	220	2-4
1 1/4"	5	8	0.04	510	2-5
1 1/2"	6	9	0.05	920	5-8
1 3/4"	9	14	0.08	1200	8-16
2"	11	17	0.075	1500	12-20
2 1/2"	13	20	0.08	1850	23-30
Rubber Heads					
1 7/8"	11	16	0.09	1400	10-18
2 1/2"	14	20	0.12	1900	14-22
2 3/4"	18	27	0.12	2100	25-35
2 3/4" short	15	22	0.12	1100	9-15

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