

TYRE PRESSURE RECOMMENDATIONS

February, 2021


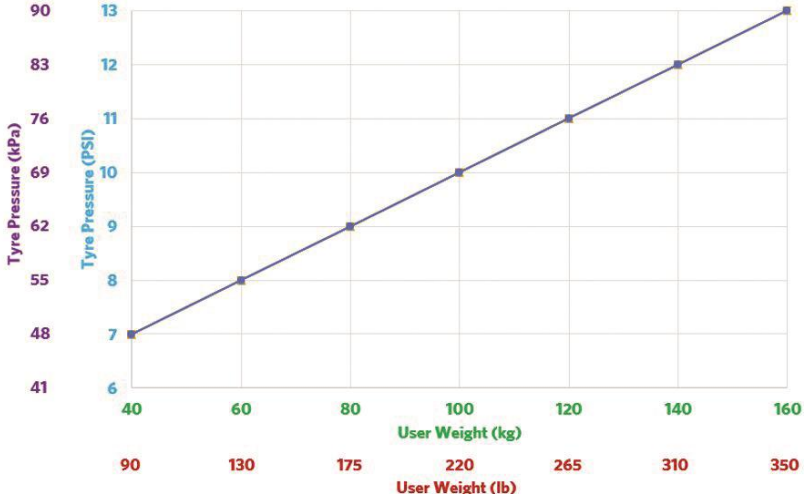


Under inflated tyres can leave them prone to puncture and decrease your powerchair's range. Over inflated tyres can also be dangerous and cause tyres to explode which may result in injury. The maximum recommended tyre pressure is also recorded on the sidewall of the tyre, however Magic Mobility's recommended maximum pressure is shown in the chart below. Uneven tyre pressure can cause your powerchair to veer to one side.


Tyre pressure should be checked weekly. All pneumatic tyres are fitted with automotive type valves and can be inflated using most typical automotive hand and foot pumps. Never use service station air outlets. Failure to use the correct inflation pressure can result in reduced performance or negatively impact your safety.

Lower drive wheel tyre pressure will provide greater traction in mud and on looser surfaces such as gravel. When driving on firmer surfaces, off-road tyre pressure may be increased according to the charts below and depending upon user weight, preferences and driving capability.


Magic 360 off-road drive wheels

Tyre description	Magic Mobility recommended optimum operating pressures	Maximum pressure according to tyre capacity																																
<p>145/70-6</p> 	 <table border="1"> <caption>Magic Mobility recommended optimum operating pressures</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>90</td> <td>48</td> <td>7</td> </tr> <tr> <td>60</td> <td>130</td> <td>55</td> <td>8</td> </tr> <tr> <td>80</td> <td>175</td> <td>62</td> <td>9</td> </tr> <tr> <td>100</td> <td>220</td> <td>69</td> <td>10</td> </tr> <tr> <td>120</td> <td>265</td> <td>76</td> <td>11</td> </tr> <tr> <td>140</td> <td>310</td> <td>83</td> <td>12</td> </tr> <tr> <td>160</td> <td>350</td> <td>90</td> <td>13</td> </tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	48	7	60	130	55	8	80	175	62	9	100	220	69	10	120	265	76	11	140	310	83	12	160	350	90	13	<p>24 psi 165 kPa</p>
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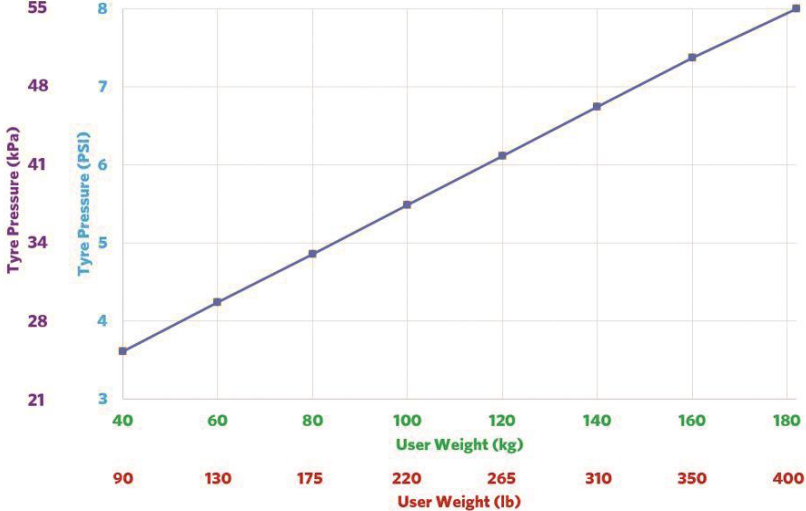
Magic 360 crossover drive wheels

Tyre description	Magic Mobility recommended optimum operating pressure	Maximum pressure according to tyre capacity																																
<p>5.30/4.50-6</p> 	<table border="1"> <caption>Recommended Optimum Operating Pressure Data for 5.30/4.50-6 Tyres</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr><td>40</td><td>90</td><td>12</td><td>12</td></tr> <tr><td>60</td><td>130</td><td>14</td><td>14</td></tr> <tr><td>80</td><td>175</td><td>16</td><td>16</td></tr> <tr><td>100</td><td>220</td><td>18</td><td>18</td></tr> <tr><td>120</td><td>265</td><td>20</td><td>20</td></tr> <tr><td>140</td><td>310</td><td>22</td><td>22</td></tr> <tr><td>160</td><td>350</td><td>24</td><td>24</td></tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	12	12	60	130	14	14	80	175	16	16	100	220	18	18	120	265	20	20	140	310	22	22	160	350	24	24	<p>38 psi 262 kPa</p>
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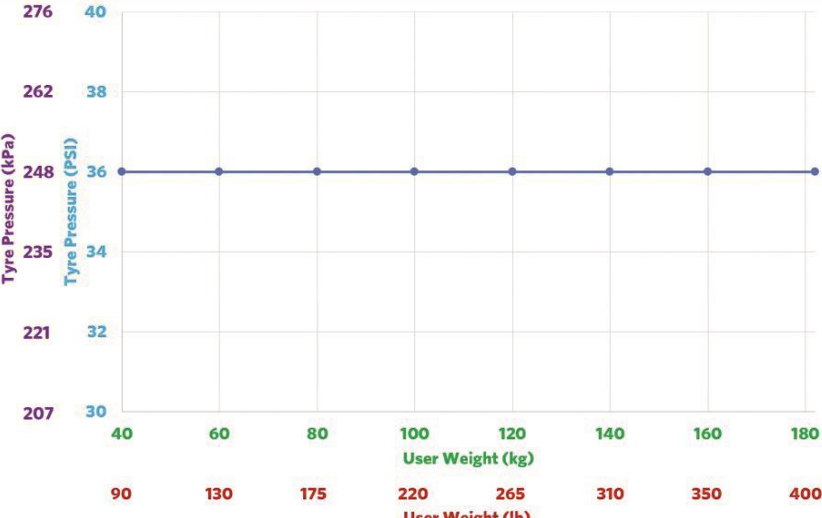
Magic 360 urban drive wheels

Tyre description	Magic Mobility recommended optimum operating pressure	Maximum pressure according to tyre capacity																																
<p>3.00-8 (14 x 3)</p> 	<table border="1"> <caption>Recommended Optimum Operating Pressure Data for 3.00-8 (14 x 3) Tyres</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr><td>40</td><td>90</td><td>25</td><td>25</td></tr> <tr><td>60</td><td>130</td><td>29</td><td>29</td></tr> <tr><td>80</td><td>175</td><td>33</td><td>33</td></tr> <tr><td>100</td><td>220</td><td>37</td><td>37</td></tr> <tr><td>120</td><td>265</td><td>41</td><td>41</td></tr> <tr><td>140</td><td>310</td><td>43</td><td>43</td></tr> <tr><td>160</td><td>350</td><td>45</td><td>45</td></tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	25	25	60	130	29	29	80	175	33	33	100	220	37	37	120	265	41	41	140	310	43	43	160	350	45	45	<p>50 psi 345 kPa</p>
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Frontier V6/V4 and Extreme X8 off-road drive wheels

Tyre description	Magic Mobility recommended optimum operating pressures	Maximum pressure according to tyre capacity																																				
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Frontier V6/V4 castor wheels

Tyre description	Magic Mobility recommended optimum operating pressure	Maximum pressure according to tyre capacity																																				
<p>2.80/2.50-4 (9 x 2.5)</p>  <p>200 x 50 (8 x 2)</p> 	 <table border="1" data-bbox="400 1200 1225 1715"> <caption>Magic Mobility recommended optimum operating pressures for castor wheels</caption> <thead> <tr> <th>User Weight (kg)</th> <th>User Weight (lb)</th> <th>Tyre Pressure (kPa)</th> <th>Tyre Pressure (PSI)</th> </tr> </thead> <tbody> <tr><td>40</td><td>90</td><td>36</td><td>36</td></tr> <tr><td>60</td><td>130</td><td>36</td><td>36</td></tr> <tr><td>80</td><td>175</td><td>36</td><td>36</td></tr> <tr><td>100</td><td>220</td><td>36</td><td>36</td></tr> <tr><td>120</td><td>265</td><td>36</td><td>36</td></tr> <tr><td>140</td><td>310</td><td>36</td><td>36</td></tr> <tr><td>160</td><td>350</td><td>36</td><td>36</td></tr> <tr><td>180</td><td>400</td><td>36</td><td>36</td></tr> </tbody> </table>	User Weight (kg)	User Weight (lb)	Tyre Pressure (kPa)	Tyre Pressure (PSI)	40	90	36	36	60	130	36	36	80	175	36	36	100	220	36	36	120	265	36	36	140	310	36	36	160	350	36	36	180	400	36	36	<p>36 psi 248 kPa</p>
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