The Rain Bird® 5500 Series Rotors are built to withstand the harsh conditions and vandalism present in commercial rotor applications. They have been designed and tested to ensure the high reliability demanded by the market today. The 5500 Series offers the durability and performance of Rain Bird's best commercial rotors in a package designed to excel in short to mid-range applications.

**Features**

- Five year trade warranty
- Memory Arc® returns the rotor to its original arc setting
- Non-strippable drive mechanism prevents damage from vandals
- Brass reinforcing shaft of the nozzle turret to riser withstands vandal kick
- Optional stainless steel riser model helps deter vandalism on public turf areas
- Full and part circle operation in one unit to reduce inventory requirements
- Easy, wet, dry arc adjustment with slotted screwdriver through top of rotor from 50° to 330° part-circle, 360° non-reversing full-circle
- Left and right side trips adjustable for ease of installation without turning the case and loosening the pipe connection
- Seal-A-Matic™ (SAM) check device/riser to help prevent low head drainage
- Water-lubricated gear drive
- Rain Curtain™ nozzles for optimal distribution and close-in watering resulting in superior uniformity
- Nozzles are interchangeable from the front with no special tools
- Self-adjusting turbine stator allows nozzle replacement with no other adjustments required
- Heavy duty retract spring ensures positive pop-down
- Standard black rubber cover
- Optional Purple rubber cover for non-potable applications

**Operating Range**

- Precipitation Rates: 0.21 to 1.48 in/hr (6.3 to 33.8 mm/h)
- Radius: 17 to 55 feet (5.2 to 16.8 m)
- Pressure: 30 to 90 psi (2.1 to 6.2 bars)
- Flow: 1.2 to 15.5 gpm (0.32 to 3.52 m³/h; 4.52 to 58.66 l/m)

**Specifications**

- 3/4" (20/27) NPT female threaded inlet
- SAM check device holds up to 10 feet (3.1 m) of head
- Rain Curtain nozzles: 2.0 - Orange, 3.0 Red, 4.0 - Black, 5.0 - Yellow, 6.0 - Light Blue, 8.0 - Dark Green, 10.0 - Grey, 12.0 - Beige; and short throw nozzle tree 18S, 22S, 26S, 30S - Aqua
- Nozzle outlet trajectory is 22°

**Dimensions**

- Exposed diameter: 1 3/4" (4.4 cm)
- Overall diameter: 2 3/4" (7.0 cm)
- Overall height: 9 1/4" (23.5 cm)
- Pop-up height: 5" (12.7 cm)

**Models**

- 5505: 3/4" NPT female threaded inlet (5" plastic riser stem)
- 5505-SS: 3/4" NPT female threaded inlet (5" stainless steel covered riser stem)
- 5512: 3/4" NPT female threaded inlet (12" plastic riser stem)

**How To Specify**

5500 Series: 5” (12,7 cm) pop-up height

Model
SS: Stainless Steel Riser (5" only)
NP: Non-Potable Cover
Nozzle Size
12
Optional Feature
SS - NP - 12
Standard Rubber Cover with 1\(\frac{3}{4}\)" Exposed Diameter for enhanced safety on playing fields

Vandal Resistant Tripping Mechanism with Memory Arc®

Brass reinforcing shaft of the nozzle turret to riser withstands vandal kick.

Non-Strippable Drive Mechanism

Adjustable Right & Left Trips

Adjustment Mechanism for part-circle and non-reversing full-circle operation

Interchangeable Color-coded Rain Curtain™ Nozzles for superior water distribution

Pressure-Activated Wiper Seal protects the internals from debris

Self-Adjusting Stator automatically adjusts when nozzle is changed

Filter with Built-In Freeze Protection

Seal-A-Matic™ (SAM) Check Device prevents puddling/erosion
<table>
<thead>
<tr>
<th>Pressure psi</th>
<th>Nozzle</th>
<th>Radius ft.</th>
<th>Flow gpm</th>
<th>Precip in/h</th>
<th>Precip in/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>2</td>
<td>33</td>
<td>1.2</td>
<td>0.21</td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>35</td>
<td>2.3</td>
<td>0.36</td>
<td>0.42</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>37</td>
<td>2.4</td>
<td>0.34</td>
<td>0.39</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>37</td>
<td>2.6</td>
<td>0.37</td>
<td>0.42</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>39</td>
<td>4.2</td>
<td>0.53</td>
<td>0.61</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>39</td>
<td>5.3</td>
<td>0.67</td>
<td>0.77</td>
</tr>
<tr>
<td>40</td>
<td>2</td>
<td>37</td>
<td>1.6</td>
<td>0.23</td>
<td>0.26</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>39</td>
<td>2.7</td>
<td>0.34</td>
<td>0.39</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>41</td>
<td>2.9</td>
<td>0.33</td>
<td>0.38</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>41</td>
<td>3.5</td>
<td>0.40</td>
<td>0.46</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>45</td>
<td>4.8</td>
<td>0.46</td>
<td>0.53</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>45</td>
<td>6.4</td>
<td>0.61</td>
<td>0.70</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>41</td>
<td>7.5</td>
<td>0.86</td>
<td>0.99</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>39</td>
<td>10.1</td>
<td>1.28</td>
<td>1.48</td>
</tr>
<tr>
<td>50</td>
<td>2</td>
<td>37</td>
<td>1.7</td>
<td>0.24</td>
<td>0.28</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>41</td>
<td>3.0</td>
<td>0.34</td>
<td>0.40</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>43</td>
<td>3.3</td>
<td>0.34</td>
<td>0.40</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>45</td>
<td>3.8</td>
<td>0.36</td>
<td>0.42</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>47</td>
<td>5.4</td>
<td>0.47</td>
<td>0.54</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>49</td>
<td>7.3</td>
<td>0.59</td>
<td>0.68</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>47</td>
<td>8.9</td>
<td>0.78</td>
<td>0.90</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>45</td>
<td>11.1</td>
<td>1.06</td>
<td>1.22</td>
</tr>
<tr>
<td>60</td>
<td>2</td>
<td>37</td>
<td>1.9</td>
<td>0.27</td>
<td>0.31</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>41</td>
<td>3.3</td>
<td>0.38</td>
<td>0.44</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>45</td>
<td>3.6</td>
<td>0.34</td>
<td>0.40</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>47</td>
<td>4.8</td>
<td>0.42</td>
<td>0.48</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>47</td>
<td>6.0</td>
<td>0.52</td>
<td>0.60</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>51</td>
<td>8.2</td>
<td>0.61</td>
<td>0.70</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>51</td>
<td>9.7</td>
<td>0.72</td>
<td>0.83</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>51</td>
<td>12.3</td>
<td>0.91</td>
<td>1.05</td>
</tr>
<tr>
<td>70</td>
<td>2</td>
<td>39</td>
<td>2.1</td>
<td>0.27</td>
<td>0.31</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>43</td>
<td>3.5</td>
<td>0.36</td>
<td>0.42</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>45</td>
<td>3.9</td>
<td>0.37</td>
<td>0.43</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>47</td>
<td>5.1</td>
<td>0.44</td>
<td>0.51</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>47</td>
<td>6.5</td>
<td>0.57</td>
<td>0.65</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>53</td>
<td>8.8</td>
<td>0.60</td>
<td>0.70</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>53</td>
<td>11.1</td>
<td>0.76</td>
<td>0.88</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>53</td>
<td>13.5</td>
<td>0.93</td>
<td>1.07</td>
</tr>
<tr>
<td>80</td>
<td>2</td>
<td>39</td>
<td>2.3</td>
<td>0.29</td>
<td>0.34</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>43</td>
<td>3.8</td>
<td>0.40</td>
<td>0.46</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>45</td>
<td>4.2</td>
<td>0.40</td>
<td>0.46</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>47</td>
<td>5.5</td>
<td>0.48</td>
<td>0.55</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>49</td>
<td>7.0</td>
<td>0.56</td>
<td>0.65</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>53</td>
<td>9.5</td>
<td>0.65</td>
<td>0.75</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>55</td>
<td>12.1</td>
<td>0.77</td>
<td>0.89</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>55</td>
<td>14.4</td>
<td>0.92</td>
<td>1.06</td>
</tr>
<tr>
<td>90</td>
<td>10</td>
<td>55</td>
<td>13.1</td>
<td>0.83</td>
<td>0.96</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>55</td>
<td>15.5</td>
<td>0.99</td>
<td>1.14</td>
</tr>
</tbody>
</table>

Precipitation rates based on half-circle operation

■ Square spacing based on 50% diameter of throw
▲ Triangular spacing based on 50% diameter of throw

Performance data collected in zero wind conditions
Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
<table>
<thead>
<tr>
<th>Pressure bar</th>
<th>Nozzle</th>
<th>Radius m</th>
<th>Flow m³/h</th>
<th>Flow L/m</th>
<th>Precip mm/h</th>
<th>Precip mm/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>2</td>
<td>10.1</td>
<td>0.32</td>
<td>4.54</td>
<td>6.3</td>
<td>7.3</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>10.7</td>
<td>0.52</td>
<td>8.71</td>
<td>9.2</td>
<td>10.6</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>11.3</td>
<td>0.59</td>
<td>9.08</td>
<td>9.3</td>
<td>10.7</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>11.3</td>
<td>0.73</td>
<td>9.84</td>
<td>11.4</td>
<td>13.2</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>11.3</td>
<td>0.86</td>
<td>15.90</td>
<td>13.6</td>
<td>15.7</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>10.1</td>
<td>1.23</td>
<td>20.06</td>
<td>24.2</td>
<td>28.0</td>
</tr>
<tr>
<td>2.5</td>
<td>2</td>
<td>10.8</td>
<td>0.35</td>
<td>5.49</td>
<td>5.9</td>
<td>6.8</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>11.4</td>
<td>0.58</td>
<td>9.65</td>
<td>8.9</td>
<td>10.2</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>12.0</td>
<td>0.66</td>
<td>10.27</td>
<td>9.1</td>
<td>10.5</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>12.0</td>
<td>0.81</td>
<td>11.97</td>
<td>11.2</td>
<td>12.9</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>12.4</td>
<td>0.96</td>
<td>17.32</td>
<td>12.5</td>
<td>14.4</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>11.2</td>
<td>1.37</td>
<td>22.67</td>
<td>21.8</td>
<td>25.2</td>
</tr>
<tr>
<td>3.0</td>
<td>2</td>
<td>11.3</td>
<td>0.38</td>
<td>6.19</td>
<td>6.0</td>
<td>6.9</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>12.1</td>
<td>0.64</td>
<td>10.62</td>
<td>8.7</td>
<td>10.0</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>12.7</td>
<td>0.74</td>
<td>11.51</td>
<td>9.1</td>
<td>10.5</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>12.9</td>
<td>0.90</td>
<td>13.65</td>
<td>10.8</td>
<td>12.5</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>13.3</td>
<td>1.07</td>
<td>18.97</td>
<td>12.1</td>
<td>13.9</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>12.3</td>
<td>1.53</td>
<td>25.42</td>
<td>20.1</td>
<td>23.2</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>13.1</td>
<td>1.74</td>
<td>30.25</td>
<td>20.1</td>
<td>23.2</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>12.5</td>
<td>2.30</td>
<td>39.56</td>
<td>29.3</td>
<td>33.8</td>
</tr>
<tr>
<td>3.5</td>
<td>2</td>
<td>11.3</td>
<td>0.41</td>
<td>6.49</td>
<td>6.5</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>12.5</td>
<td>0.69</td>
<td>11.44</td>
<td>8.8</td>
<td>10.2</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>13.2</td>
<td>0.80</td>
<td>12.58</td>
<td>9.2</td>
<td>10.7</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>13.8</td>
<td>0.98</td>
<td>14.67</td>
<td>10.4</td>
<td>12.0</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>13.8</td>
<td>1.17</td>
<td>20.61</td>
<td>12.3</td>
<td>14.2</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>13.2</td>
<td>1.67</td>
<td>27.89</td>
<td>19.3</td>
<td>22.3</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>14.4</td>
<td>1.83</td>
<td>33.92</td>
<td>17.6</td>
<td>20.3</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>13.9</td>
<td>2.54</td>
<td>42.36</td>
<td>26.5</td>
<td>30.6</td>
</tr>
<tr>
<td>4.0</td>
<td>2</td>
<td>11.3</td>
<td>0.45</td>
<td>7.04</td>
<td>7.0</td>
<td>8.1</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>12.5</td>
<td>0.75</td>
<td>12.27</td>
<td>9.7</td>
<td>11.2</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>13.6</td>
<td>0.85</td>
<td>13.40</td>
<td>9.2</td>
<td>10.6</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>14.2</td>
<td>1.05</td>
<td>17.42</td>
<td>10.4</td>
<td>12.0</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>14.2</td>
<td>1.25</td>
<td>22.26</td>
<td>12.4</td>
<td>14.3</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>13.6</td>
<td>1.80</td>
<td>30.36</td>
<td>19.5</td>
<td>22.5</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>15.3</td>
<td>2.12</td>
<td>36.11</td>
<td>18.1</td>
<td>20.9</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>15.2</td>
<td>2.74</td>
<td>45.65</td>
<td>23.8</td>
<td>27.4</td>
</tr>
</tbody>
</table>

Precipitation rates based on half-circle operation
■ Square spacing based on 50% diameter of throw
▲ Triangular spacing based on 50% diameter of throw
Performance data collected in zero wind conditions
Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
## 5500 Short Radius Nozzle Performance

<table>
<thead>
<tr>
<th>Pressure psi</th>
<th>Nozzle</th>
<th>Radius ft.</th>
<th>Flow gpm</th>
<th>Precip ln/h</th>
<th>Precip ln/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>18S</td>
<td>17</td>
<td>1.4</td>
<td>0.93</td>
<td>1.08</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>19</td>
<td>1.4</td>
<td>0.75</td>
<td>0.86</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>25</td>
<td>1.4</td>
<td>0.43</td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>25</td>
<td>1.7</td>
<td>0.52</td>
<td>0.60</td>
</tr>
<tr>
<td>40</td>
<td>18S</td>
<td>19</td>
<td>1.5</td>
<td>0.80</td>
<td>0.92</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>21</td>
<td>1.6</td>
<td>0.70</td>
<td>0.81</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>25</td>
<td>1.9</td>
<td>0.59</td>
<td>0.68</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>29</td>
<td>1.8</td>
<td>0.41</td>
<td>0.48</td>
</tr>
<tr>
<td>50</td>
<td>18S</td>
<td>21</td>
<td>1.8</td>
<td>0.79</td>
<td>0.91</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>23</td>
<td>2.0</td>
<td>0.73</td>
<td>0.84</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>29</td>
<td>2.1</td>
<td>0.48</td>
<td>0.56</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>31</td>
<td>2.0</td>
<td>0.40</td>
<td>0.46</td>
</tr>
<tr>
<td>60</td>
<td>18S</td>
<td>23</td>
<td>2.0</td>
<td>0.73</td>
<td>0.84</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>25</td>
<td>2.0</td>
<td>0.62</td>
<td>0.71</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>29</td>
<td>2.4</td>
<td>0.55</td>
<td>0.63</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>33</td>
<td>2.2</td>
<td>0.39</td>
<td>0.45</td>
</tr>
<tr>
<td>70</td>
<td>18S</td>
<td>23</td>
<td>2.2</td>
<td>0.80</td>
<td>0.92</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>25</td>
<td>2.3</td>
<td>0.71</td>
<td>0.82</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>29</td>
<td>2.8</td>
<td>0.64</td>
<td>0.74</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>35</td>
<td>2.8</td>
<td>0.44</td>
<td>0.51</td>
</tr>
<tr>
<td>80</td>
<td>18S</td>
<td>25</td>
<td>2.4</td>
<td>0.74</td>
<td>0.85</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>27</td>
<td>2.5</td>
<td>0.66</td>
<td>0.76</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>29</td>
<td>3.1</td>
<td>0.71</td>
<td>0.82</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>35</td>
<td>3.1</td>
<td>0.49</td>
<td>0.56</td>
</tr>
</tbody>
</table>

**Precipitation rates based on half-circle operation**

**Square spacing based on 50% diameter of throw**

**Triangles spacing based on 50% diameter of throw**

**Performance data collected in zero wind conditions**

**Performance data derived from tests that conform with ASAE Standards: ASAE S398.1.**

---

## 5500 Short Radius Nozzle Performance METRIC

<table>
<thead>
<tr>
<th>Pressure bar</th>
<th>Nozzle</th>
<th>Radius m</th>
<th>Flow m³/h</th>
<th>Flow l/m</th>
<th>Precip mm/h</th>
<th>Precip mm/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>18S</td>
<td>5.2</td>
<td>0.32</td>
<td>5.3</td>
<td>23.7</td>
<td>27.3</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>5.8</td>
<td>0.32</td>
<td>5.3</td>
<td>19.0</td>
<td>21.9</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>7.6</td>
<td>0.32</td>
<td>5.3</td>
<td>11.0</td>
<td>12.6</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>7.6</td>
<td>0.39</td>
<td>6.4</td>
<td>13.3</td>
<td>15.4</td>
</tr>
<tr>
<td>2.5</td>
<td>18S</td>
<td>5.6</td>
<td>0.33</td>
<td>5.5</td>
<td>21.5</td>
<td>24.8</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>6.2</td>
<td>0.35</td>
<td>5.8</td>
<td>18.2</td>
<td>21.0</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>7.6</td>
<td>0.39</td>
<td>6.5</td>
<td>13.4</td>
<td>15.5</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>8.4</td>
<td>0.40</td>
<td>6.7</td>
<td>11.4</td>
<td>13.2</td>
</tr>
<tr>
<td>3.0</td>
<td>18S</td>
<td>6.0</td>
<td>0.36</td>
<td>6.1</td>
<td>20.2</td>
<td>23.3</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>6.6</td>
<td>0.38</td>
<td>6.3</td>
<td>17.3</td>
<td>20.0</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>8.0</td>
<td>0.45</td>
<td>7.5</td>
<td>13.8</td>
<td>16.0</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>9.1</td>
<td>0.42</td>
<td>7.1</td>
<td>10.4</td>
<td>12.0</td>
</tr>
<tr>
<td>3.5</td>
<td>18S</td>
<td>6.4</td>
<td>0.41</td>
<td>6.9</td>
<td>19.8</td>
<td>22.9</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>7.1</td>
<td>0.41</td>
<td>6.9</td>
<td>16.6</td>
<td>19.1</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>8.8</td>
<td>0.48</td>
<td>8.0</td>
<td>12.3</td>
<td>14.3</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>9.5</td>
<td>0.46</td>
<td>7.6</td>
<td>10.2</td>
<td>11.7</td>
</tr>
<tr>
<td>4.0</td>
<td>18S</td>
<td>6.9</td>
<td>0.45</td>
<td>7.4</td>
<td>18.8</td>
<td>21.7</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>7.5</td>
<td>0.45</td>
<td>7.4</td>
<td>15.8</td>
<td>18.3</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>8.8</td>
<td>0.53</td>
<td>8.9</td>
<td>13.6</td>
<td>15.7</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>9.9</td>
<td>0.49</td>
<td>8.2</td>
<td>9.9</td>
<td>11.5</td>
</tr>
<tr>
<td>4.5</td>
<td>18S</td>
<td>7.0</td>
<td>0.49</td>
<td>8.2</td>
<td>19.9</td>
<td>23.0</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>7.6</td>
<td>0.49</td>
<td>8.2</td>
<td>16.9</td>
<td>19.5</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>8.8</td>
<td>0.59</td>
<td>9.9</td>
<td>15.2</td>
<td>17.5</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>10.4</td>
<td>0.57</td>
<td>9.5</td>
<td>10.6</td>
<td>12.2</td>
</tr>
<tr>
<td>5.0</td>
<td>18S</td>
<td>7.2</td>
<td>0.53</td>
<td>8.9</td>
<td>20.8</td>
<td>24.0</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>7.8</td>
<td>0.53</td>
<td>8.9</td>
<td>17.7</td>
<td>20.4</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>8.8</td>
<td>0.65</td>
<td>10.9</td>
<td>16.7</td>
<td>19.3</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>10.7</td>
<td>0.65</td>
<td>10.9</td>
<td>11.5</td>
<td>13.3</td>
</tr>
<tr>
<td>5.5</td>
<td>18S</td>
<td>7.6</td>
<td>0.57</td>
<td>9.4</td>
<td>19.6</td>
<td>22.6</td>
</tr>
<tr>
<td></td>
<td>22S</td>
<td>8.2</td>
<td>0.57</td>
<td>9.4</td>
<td>16.8</td>
<td>19.4</td>
</tr>
<tr>
<td></td>
<td>26S</td>
<td>8.8</td>
<td>0.70</td>
<td>11.7</td>
<td>18.0</td>
<td>20.8</td>
</tr>
<tr>
<td></td>
<td>30S</td>
<td>10.7</td>
<td>0.70</td>
<td>11.7</td>
<td>12.3</td>
<td>14.3</td>
</tr>
</tbody>
</table>

5500 Short Radius Nozzles
Specifications

The full- or part-circle sprinkler shall be a single stream, water lubricated, gear drive type capable of covering a ____ foot (meter) radius at a base pressure of ____ pounds per square inch (bars) with a discharge rate of ____ gallons per minute (l/h, m³/h).

The sprinkler shall be capable of both full circle and part circle operation in the same unit. The mode of operation shall be selected by inserting a flat blade screwdriver in the top of the rubber cap and turning a selector approximately 45 degrees. The sprinkler shall not reverse direction during continuous operation in the full circle mode. The part-circle sprinkler shall have adjustable arc coverage of 50 to 330 degrees. Arc adjustment can be performed with or without the rotor in operation and shall require only a flat blade screwdriver. The arc adjustment can be performed on both the right and left trip of the sprinkler. The sprinkler shall have a rotating nozzle turret independent of the riser stem. The portion of the riser stem that is in contact with the wiper seal shall be non-rotating.

The sprinkler shall have a non-rippable drive mechanism and permit manual rotation of the pop-up stem in any direction. This shall have no effect on either the drive or the set arc. Once the manual rotation is terminated, the sprinkler shall automatically return the water stream to its preset arc.

The sprinkler shall have a pressure activated, multi-function, soft elastomeric wiper seal. This wiper seal shall prevent the sprinkler from sticking in the up position, and be capable of sealing the sprinkler riser stem to the sprinkler cap under normal operating pressures.

The sprinkler shall have a screen attached to the drive housing to filter inlet water, protect the drive from clogging and simplify its removal for cleaning and flushing of the system. The sprinkler body shall have a 3/4" (20/27) female (NPT) bottom inlet. The sprinkler shall have a standard rubber cover which designates each adjustment opening from the top. The sprinkler shall have a single front-load nozzle with dual-ports which will allow the nozzle to be installed without a stator bushing change. The sprinkler shall have a stainless steel nozzle retention screw. The angle of trajectory shall be 22 degrees from horizontal.

The sprinkler shall have a strong stainless steel retract spring for positive pop-down. The sprinkler shall have a standard Seal-A-Matic™ (SAM) device capable of holding up to 10 feet (3,1 m) of head. Pop-up height as measured from the top of the cover to the centerline of the nozzle orifice shall be at least 5 inches (12,7 cm). The sprinkler’s overall height shall be 9 1/4 inches (22,5 cm) and the exposed diameter shall be 1 3/4 inches (4,4 cm).

5505-SS

When so indicated on the design, the rotor shall have a stainless steel covered nozzle turret and riser stem. The riser stem shall be tapered and conform to the standard plastic riser in all other ways.

The sprinkler shall be as manufactured by Rain Bird Corporation, Glendora, California.