

# I-80

The highly versatile and efficient I-80 Rotor is the first commercial sports turf rotor with no-dig Total-Top-Serviceability.

## KEY BENEFITS

- Exclusive Total-Top-Service (TTS) design provides convenient no-dig servicing
- Exclusive PressurePort™ Technology creates exceptional nozzle uniformity
- Forward-facing triple nozzles (I-80) or opposing triple nozzles (I-80-ON) create uniform nozzle profiles in part and full-circle applications
- QuickCheck™ Arc Mechanism (I-80) for fast arc adjustment and review of the arc setting
- QuickSet-360 Arc Mechanism (I-80) converts adjustable arc rotor to full-circle in an instant
- Part- and full-circle in one model provides flexible installation options and reduces inventory (I-80)
- Ratcheting stainless steel riser allows setting of right-side fixed arc alignment to the landscape without rotor disassembly
- Drain Check Valve prevents low-head drainage (up to 5' of elevation)



## Operating Specifications




































- I-80
  - Standard 22.5° nozzle choices: 7
  - Radius: 19.8 to 28.7 m
  - Flow: 4.6 to 13.5 m<sup>3</sup>/hr; 76.5 to 225.6 l/min
  - Pressure range: 50 to 100 PSI
- I-80-ON
  - Standard 22.5° nozzle choices: 7
  - Radius: 19.2 to 29.6 m
  - Flow: 4.9 to 13.3 m<sup>3</sup>/hr; 81.8 to 221.4 l/min
  - Pressure range: 65 to 100 PSI
- Recommended pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- Operating pressure range: 2.7 to 10.3 bar; 275 to 1,030 kPa
- Precipitation rates: 10 mm/hr approximately
- Warranty period: 5 years

## User-Installed Options

- Rubber Cover kit P/N 959300SP
- Turf Cup kit P/N 959400SP
- [Prefabricated PVC HSJ Swing Joints](#)
  - HSJ-3-6-5-2-12 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, single top-out, 12" lay arm
  - HSJ-3-6-5-2-18 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, single top-out, 18" lay arm
  - HSJ-3-6-5-4-12 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, triple top-out, 18" lay arm

- HSJ-3-6-5-4-18 HSJ Swing Joint, 1½" heavy-duty swing joint, 1½" (40 mm) male BSP inlet, 1½" (40 mm) male BSP outlet, triple top-out, 12" lay arm






















## I-80 NOZZLE PERFORMANCE DATA\*

| Nozzle Set   |  |   | Pressure |     | Radius |     |
|--|--|---|----------|-----|--------|-----|
|  |  |   | bar      | kPa | m      | m3  |
| Orange<br><br>803603<br>     | <br>23<br>Green       | Lt. Green<br><br>315313<br>     | 3.4      | 344 | 19.8   | 4.  |
|  |  |   | 4.1      | 413 | 20.1   | 5.  |
|  |  |   | 4.5      | 450 | 20.4   | 5.  |
|  |  |   | 4.8      | 482 | 20.4   | 5.  |
|  |  |   | 5.5      | 551 | 21.0   | 5.  |
| Orange<br><br>803603<br>     | <br>25<br>Blue        | Lt. Green<br><br>315313<br>     | 4.5      | 450 | 21.6   | 6.  |
|  |  |   | 4.8      | 482 | 21.9   | 6.  |
|  |  |   | 5.5      | 551 | 22.3   | 7.  |
|  |  |   | 6.2      | 620 | 22.6   | 7.  |
|  |  |   | 6.9      | 689 | 22.9   | 8.  |
| Orange<br><br>803603<br>     | <br>33<br>Gray        | Lt. Green<br><br>315313<br>     | 4.5      | 450 | 21.9   | 6.  |
|  |  |   | 4.8      | 482 | 22.3   | 7.  |
|  |  |   | 5.5      | 551 | 22.9   | 7.  |
|  |  |   | 6.2      | 620 | 23.5   | 8.  |
|  |  |   | 6.9      | 689 | 24.1   | 8.  |
| Orange<br><br>803603<br>  | <br>38<br>Red        | Lt. Green<br><br>315313<br>  | 4.5      | 450 | 23.2   | 7.  |
|  |  |   | 4.8      | 482 | 23.8   | 8.  |
|  |  |   | 5.5      | 551 | 24.4   | 8.  |
|  |  |   | 6.2      | 620 | 25     | 9.  |
|  |  |   | 6.9      | 689 | 25.6   | 9.  |
| Orange<br><br>803603<br> | <br>43<br>Dk. Brown | Lt. Green<br><br>315313<br> | -        | -   | -      | -   |
|  |  |   | 4.8      | 482 | 24.7   | 9.  |
|  |  |   | 5.5      | 551 | 25.3   | 9.  |
|  |  |   | 6.2      | 620 | 26.2   | 10. |
|  |  |   | 6.9      | 689 | 27.1   | 11. |
| Orange<br><br>803603<br> | <br>48<br>Dk. Green | Lt. Green<br><br>315313<br> | -        | -   | -      | -   |
|  |  |   | 4.8      | 482 | 25.3   | 10. |
|  |  |   | 5.5      | 551 | 25.9   | 10. |
|  |  |   | 6.2      | 620 | 27.1   | 11. |
|  |  |   | 6.9      | 689 | 27.7   | 12. |
| Orange<br><br>803603<br> | <br>53<br>Dk. Blue  | Lt. Green<br><br>315313<br> | -        | -   | -      | -   |
|  |  |   | 4.8      | 482 | 26.5   | 11. |
|  |  |   | 5.5      | 551 | 27.1   | 12. |
|  |  |   | 6.2      | 620 | 28.0   | 12. |
|  |  |   | 6.9      | 689 | 28.7   | 13. |

? = Nozzle plug P/N 315300 installed in the front side of the nozzle housing.

\*Complies to ASAE standard. All precipitation rates calculated for 360 degree operation. For the precipitation rate for a 180 degree sprinkler, multiply by 2. All triangular rates are equilateral.

# I-80-ON NOZZLE PERFORMANCE DATA\*

| Nozzle Set   |  |   | Pressure |     | Radius | m <sup>3</sup> |
|--|--|---|----------|-----|--------|----------------|
|  |  |   | bar      | kPa | m      |                |
|  |  |   | 3.4      | 344 | 19.2   | 4.             |
| <br>Tan<br>803611   | <br>23<br>Green       | <br>Lt. Blue<br>315311   | 4.1      | 413 | 19.8   | 5.             |
|  |  |   | 4.5      | 450 | 20.1   | 5.             |
|  |  |   | 4.8      | 482 | 20.4   | 5.             |
|  |  |   | 5.5      | 551 | 20.7   | 6.             |
|  |  |   | 4.5      | 450 | 21.6   | 6.             |
| <br>Tan<br>803611   | <br>25<br>Blue        | <br>Lt. Blue<br>315311   | 4.8      | 482 | 22.3   | 6.             |
|  |  |   | 5.5      | 551 | 22.6   | 7.             |
|  |  |   | 6.2      | 620 | 22.9   | 7.             |
|  |  |   | 6.9      | 689 | 23.5   | 8.             |
|  |  |   | 4.5      | 450 | 22.6   | 7.             |
| <br>Tan<br>803611   | <br>33<br>Gray        | <br>Lt. Blue<br>315311   | 4.8      | 482 | 22.9   | 7.             |
|  |  |   | 5.5      | 551 | 23.5   | 7.             |
|  |  |   | 6.2      | 620 | 24.1   | 8.             |
|  |  |   | 6.9      | 689 | 24.7   | 8.             |
|  |  |   | 4.5      | 450 | 23.5   | 7.             |
| <br>Tan<br>803611   | <br>38<br>Red         | <br>Lt. Blue<br>315311   | 4.8      | 482 | 24.1   | 8.             |
|  |  |   | 5.5      | 551 | 25.0   | 8.             |
|  |  |   | 6.2      | 620 | 25.6   | 9.             |
|  |  |   | 6.9      | 689 | 26.5   | 9.             |
|  |  |   | -        | -   | -      | -              |
| <br>Tan<br>803611 | <br>43<br>Dk. Brown | <br>Lt. Blue<br>315311 | 4.8      | 482 | 25.3   | 9.             |
|  |  |   | 5.5      | 551 | 25.9   | 9.             |
|  |  |   | 6.2      | 620 | 26.5   | 10.            |
|  |  |   | 6.9      | 689 | 27.1   | 11.            |
|  |  |   | -        | -   | -      | -              |
| <br>Tan<br>803611 | <br>48<br>Dk. Green | <br>Lt. Blue<br>315311 | 4.8      | 482 | 27.4   | 10.            |
|  |  |   | 5.5      | 551 | 28     | 11.            |
|  |  |   | 6.2      | 620 | 28.7   | 11.            |
|  |  |   | 6.9      | 689 | 29.3   | 12.            |
|  |  |   | -        | -   | -      | -              |
| <br>Tan<br>803611 | <br>53<br>Dk. Blue  | <br>Lt. Blue<br>315311 | 4.8      | 482 | 27.7   | 11.            |
|  |  |   | 5.5      | 551 | 28.3   | 11.            |
|  |  |   | 6.2      | 620 | 29.0   | 12.            |
|  |  |   | 6.9      | 689 | 29.6   | 13.            |

? = Nozzle plug P/N 315300 installed in the front side of the nozzle housing.

\*Complies to ASAE standard. All precipitation rates calculated for 360 degree operation. For the precipitation rate for a 180 degree sprinkler, multiply by 2. All triangular rates are equilateral.

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<https://redesign.hunterindustries.com/en-metric/irrigation-product/rotors/i-80>  
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