

**TORO**

Count on it.

# 835S/855S Series

## GOLF ROTORS

The worlds #1 selling golf sprinklers developed to maximize your valuable resources; *water, time and money*. Flexible features that allow you to quickly and economically customize your watering application to save water and adjust the watering pattern with no disassembly or additional parts saves you time and money. Toro's 835S and 855S Series sprinklers - *Flexibility redefined!*



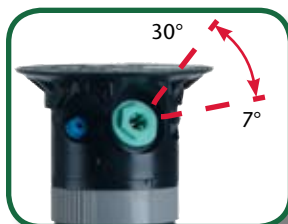
### Water Management Highlight

With the industry's largest selection of high performance nozzles and Tru-jjectory adjustment the 835S/855S Series allows you to put water precisely where you want it for maximum distribution uniformity. And the part/full circle drive allows you to simply and economically adjust the area of coverage to match your seasonal watering needs or meet water rationing mandates in seconds with no disassembly or additional parts required.



835S

855S



### Features & Benefits

#### TRUJECTORY ADJUSTMENT OF THE MAIN NOZZLE – 24 POSITIONS

From 7° - 30° this patented feature in 1° increments puts water where you want it for maximum distribution uniformity. Adjust from the top of the sprinkler in seconds, wet or dry. This flexibility lets you tackle every obstacle on the course; wind, trees, bunkers, mounds and more.



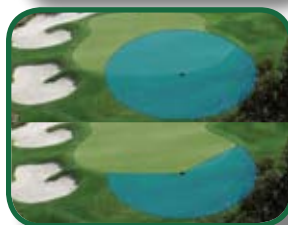
#### NOZZLE FLEXIBILITY

The industries largest selection of precision nozzles from 20' to 90' radius applications. From the main-less configurations for short radius applications to 90' radius requirements we've got you covered. A wide assortment of back nozzles lets you water those hard to reach areas directly behind the part circle sprinklers and all nozzles are color coded for easy flow and radius identification and threaded in from the front for ease of servicing.



#### SPIKE-GUARD SOLENOID

With its 20,000 volt lightning rating, the industries highest, the Spike Guard solenoid has virtually eliminated the need for solenoid replacements in high lightning environments. And with half the amperage draw of traditional solenoids you can run twice as many sprinklers simultaneously, reduce the cost of wire during initial installation or increase the distance from controller to sprinkler.



#### ARC ADJUSTMENT – 40-330° AND TRUE FULL-CIRCLE IN ONE

One sprinkler for every location on the course. These unique sprinklers can be a full circle today and part circle tomorrow allowing you to simply and economically adjust the area of coverage to match your seasonal needs or meet water rationing mandates in seconds with no disassembly or additional parts required.

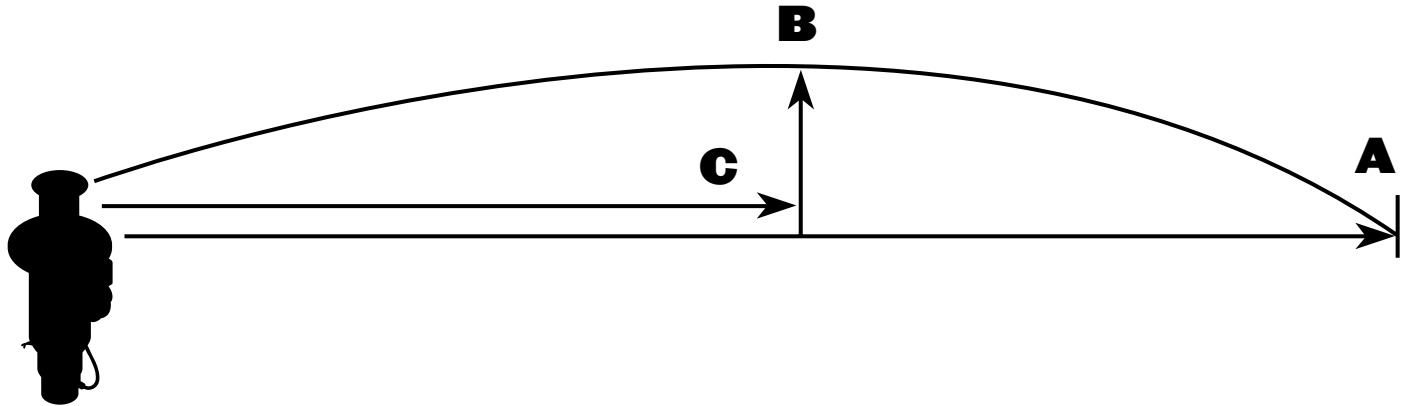


#### RATCHETING RISER ALLOWS ADJUSTMENT WITH NO DISASSEMBLY

Another Toro exclusive, simply pull up the riser and ratchet it to the precise position you want to water. With one sprinkler you can water only the greens today then only the surrounds tomorrow or only the fairways today then only the roughs tomorrow. Adjusted in seconds with no disassembly or additional parts required.



# 835S/855S Series



## 835S Trajectory Performance

| Nozzle/PSI/GPM         | #31 Nozzle @ 65 psi, 15.5 GPM |     |     |     |     |     | #32 Nozzle @ 65 psi, 20.5 GPM |     |     |     |     |     | #33 Nozzle @ 65 psi, 22.9 GPM |     |     |     |     |     |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory             | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° |
| "A" Radius             | 46'                           | 46' | 50' | 53' | 54' | 50' | 46'                           | 49' | 51' | 55' | 63' | 54' | 54'                           | 56' | 59' | 62' | 66' | 61' |
| "B" Spray Height       | 4'                            | 4'  | 5'  | 8'  | 11' | 13' | 3'                            | 4'  | 6'  | 9'  | 12' | 15' | 4'                            | 5'  | 7'  | 9'  | 13' | 15' |
| "C" Distance from Head | 25'                           | 25' | 26' | 33' | 33' | 33' | 20'                           | 24' | 28' | 34' | 34' | 34' | 23'                           | 28' | 32' | 34' | 35' | 35' |

| Nozzle/PSI/GPM         | #34 Nozzle @ 65 psi, 30.0 GPM |     |     |     |     |     | #35 Nozzle @ 65 psi, 32.4 GPM |     |     |     |     |     | #36 Nozzle @ 80 psi, 34.0 GPM |     |     |     |     |     |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory             | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° |
| "A" Radius             | 58'                           | 60' | 63' | 67' | 74' | 70' | 59'                           | 61' | 64' | 70' | 76' | 74' | 64'                           | 68' | 76' | 80' | 84' | 82' |
| "B" Spray Height       | 4'                            | 4'  | 6'  | 11' | 14' | 17' | 4'                            | 5'  | 7'  | 11' | 15' | 17' | 5'                            | 7'  | 9'  | 14' | 17' | 22' |
| "C" Distance from Head | 24'                           | 26' | 35' | 39' | 39' | 39' | 30'                           | 32' | 36' | 43' | 43' | 43' | 25'                           | 38' | 40' | 45' | 49' | 45' |

| Nozzle/PSI/GPM         | #37 Nozzle @ 80 psi, 39.8 GPM |     |     |     |     |     |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory             | 7°                            | 10° | 15° | 20° | 25° | 30° |
| "A" Radius             | 65'                           | 69' | 78' | 82' | 86' | 84' |
| "B" Spray Height       | 5'                            | 7'  | 9'  | 14' | 18' | 22' |
| "C" Distance from Head | 30'                           | 39' | 41' | 46' | 50' | 46' |

## 855S Trajectory Performance

























| Nozzle/PSI/GPM         | #51 Nozzle @ 65 psi, 15.7 GPM |     |     |     |     |     | #52 Nozzle @ 65 psi, 20.8 GPM |     |     |     |     |     | #53 Nozzle @ 65 psi, 23.4 GPM |     |     |     |     |     |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory             | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° |
| "A" Radius             | 46'                           | 46' | 51' | 53' | 54' | 50' | 49'                           | 50' | 51' | 55' | 64' | 65' | 54'                           | 56' | 59' | 62' | 68' | 61' |
| "B" Spray Height       | 4'                            | 4'  | 6'  | 10' | 13' | 15' | 4'                            | 4'  | 6'  | 9'  | 11' | 13' | 5'                            | 6'  | 7'  | 9'  | 13' | 15' |
| "C" Distance from Head | 26'                           | 27' | 32' | 38' | 40' | 41' | 22'                           | 26' | 31' | 35' | 34' | 30' | 30'                           | 33' | 32' | 35' | 37' | 37' |

| Nozzle/PSI/GPM         | #54 Nozzle @ 65 psi, 31.2 GPM |     |     |     |     |     | #55 Nozzle @ 65 psi, 33.8 GPM |     |     |     |     |     | #56 Nozzle @ 80 psi, 35.7 GPM |     |     |     |     |     |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory             | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° |
| "A" Radius             | 58'                           | 60' | 63' | 67' | 74' | 70' | 59'                           | 62' | 66' | 70' | 76' | 77' | 72'                           | 73' | 75' | 82' | 85' | 82' |
| "B" Spray Height       | 5'                            | 6'  | 8'  | 10' | 15' | 17' | 6'                            | 6'  | 9'  | 11' | 15' | 17' | 5'                            | 7'  | 9'  | 14' | 17' | 22' |
| "C" Distance from Head | 31'                           | 34' | 40' | 41' | 41' | 42' | 34'                           | 36' | 43' | 45' | 45' | 45' | 25'                           | 38' | 40' | 45' | 49' | 45' |




























| Nozzle/PSI/GPM         | #57 Nozzle @ 80 psi, 41.9 GPM |     |     |     |     |     | #58 Nozzle @ 80 psi, 46.2 GPM |     |     |     |     |     | #59 Nozzle @ 80 psi, 53.3 GPM |     |     |     |     |     |
|------------------------|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|-------------------------------|-----|-----|-----|-----|-----|
| Trajectory             | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° | 7°                            | 10° | 15° | 20° | 25° | 30° |
| "A" Radius             | 72'                           | 74' | 77' | 83' | 89' | 85' | 75'                           | 77' | 83' | 87' | 92' | 88' | 77'                           | 78' | 84' | 89' | 96' | 92' |
| "B" Spray Height       | 5'                            | 7'  | 9'  | 14' | 18' | 22' | 6'                            | 7'  | 10' | 15' | 18' | 22' | 7'                            | 8'  | 11' | 16' | 21' | 25' |
| "C" Distance from Head | 30'                           | 39' | 41' | 46' | 50' | 46' | 38'                           | 40' | 43' | 47' | 52' | 48' | 42'                           | 44' | 45' | 47' | 53' | 49' |

Information is for reference only. Actual results may vary.

### 835S Series Performance Chart











| Base Pressure | Nozzle Set 30<br><br>(White) |                                                                                   | Nozzle Set 31<br><br>(Yellow) |                                                                                   | Nozzle Set 32<br><br>(Blue) |                                                                                   | Nozzle Set 33<br><br>(Brown) |                                                                                   | Nozzle Set 34<br><br>(Orange) |                                                                                     | Nozzle Set 35<br><br>(Green) |                                                                                     | Nozzle Set 36<br><br>(Gray) |                                                                                     | Nozzle Set 37<br><br>(Black) |                                                                                     |
|---------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               | 102-2208                                                                                                      |                                                                                   | 102-4587                                                                                                       |                                                                                   | 102-4588                                                                                                     |                                                                                   | 102-4589                                                                                                      |                                                                                   | 102-0728                                                                                                         |                                                                                     | 102-0729                                                                                                        |                                                                                     | 102-0730                                                                                                       |                                                                                     | 102-4261                                                                                                        |                                                                                     |
|               |                              |  |                               |  |                             |  |                              |  |                               |  |                              |  |                             |  |                              |  |
|               | 102-2925                                                                                                      | 102-2910                                                                          | 102-2925                                                                                                       | 102-2910                                                                          | 102-2928                                                                                                     | 102-2910                                                                          | 102-2926                                                                                                      | 102-2910                                                                          | 102-2926                                                                                                         | 102-2910                                                                            | 102-2925                                                                                                        | 102-2910                                                                            | 102-2925                                                                                                       | 102-2910                                                                            | 102-2926                                                                                                        | 102-2910                                                                            |
| psi           | Radius                                                                                                        | GPM                                                                               | Radius                                                                                                         | GPM                                                                               | Radius                                                                                                       | GPM                                                                               | Radius                                                                                                        | GPM                                                                               | Radius                                                                                                           | GPM                                                                                 | Radius                                                                                                          | GPM                                                                                 | Radius                                                                                                         | GPM                                                                                 | Radius                                                                                                          | GPM                                                                                 |
| 50            | 42                                                                                                            | 7.1                                                                               | 52                                                                                                             | 13.7                                                                              | 61                                                                                                           | 17.1                                                                              | 64                                                                                                            | 20.2                                                                              | 69                                                                                                               | 27.4                                                                                | —                                                                                                               | —                                                                                   | —                                                                                                              | —                                                                                   | —                                                                                                               | —                                                                                   |
| 65            | 45                                                                                                            | 8.7                                                                               | 54                                                                                                             | 15.5                                                                              | 63                                                                                                           | 20.5                                                                              | 66                                                                                                            | 22.9                                                                              | 74                                                                                                               | 30.0                                                                                | 76                                                                                                              | 32.4                                                                                | 80                                                                                                             | 34.0                                                                                | —                                                                                                               | —                                                                                   |
| 80            | 46                                                                                                            | 9.6                                                                               | 57                                                                                                             | 17.0                                                                              | 67                                                                                                           | 22.6                                                                              | 70                                                                                                            | 25.3                                                                              | 77                                                                                                               | 33.2                                                                                | 79                                                                                                              | 35.8                                                                                | 84                                                                                                             | 37.5                                                                                | 86                                                                                                              | 40.8                                                                                |
| 100           | 48                                                                                                            | 11.2                                                                              | 59                                                                                                             | 18.9                                                                              | 72                                                                                                           | 25.2                                                                              | 74                                                                                                            | 28.2                                                                              | 80                                                                                                               | 37.0                                                                                | 84                                                                                                              | 39.9                                                                                | 88                                                                                                             | 42.5                                                                                | 92                                                                                                              | 45.3                                                                                |
| Stator        | 102-6929 Blue                                                                                                 |                                                                                   |                                                                                                                |                                                                                   | 102-1939 Yellow                                                                                              |                                                                                   |                                                                                                               |                                                                                   |                                                                                                                  |                                                                                     | 102-1940 White                                                                                                  |                                                                                     |                                                                                                                |                                                                                     |                                                                                                                 |                                                                                     |
| Conversions   |                                                                                                               |                                                                                   |                                                                                                                |                                                                                   | 835S-3134                                                                                                    |                                                                                   |                                                                                                               |                                                                                   |                                                                                                                  |                                                                                     | 835S-3537                                                                                                       |                                                                                     |                                                                                                                |                                                                                     |                                                                                                                 |                                                                                     |

### 855S Series Performance Chart






| Base Pressure | Nozzle Set 51<br><br>(Yellow) |                                                                                   | Nozzle Set 52<br><br>(Blue) |                                                                                   | Nozzle Set 53<br><br>(Brown) |                                                                                   | Nozzle Set 54<br><br>(Orange) |                                                                                   | Nozzle Set 55<br><br>(Green) |                                                                                   | Nozzle Set 56<br><br>(Gray) |                                                                                     | Nozzle Set 57<br><br>(Black) |                                                                                     | Nozzle Set 58<br><br>(Red) |                                                                                     | Nozzle Set 59<br><br>(Beige) |                                                                                     |
|---------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|               | 102-4587                                                                                                       |                                                                                   | 102-4588                                                                                                     |                                                                                   | 102-4589                                                                                                      |                                                                                   | 102-0728                                                                                                       |                                                                                   | 102-0729                                                                                                      |                                                                                   | 102-0730                                                                                                       |                                                                                     | 102-4261                                                                                                        |                                                                                     | 102-4260                                                                                                      |                                                                                     | 102-4259                                                                                                        |                                                                                     |
|               |                               |  |                             |  |                              |  |                               |  |                              |  |                             |  |                              |  |                            |  |                              |  |
|               | 102-2925                                                                                                       | 102-2910                                                                          | 102-2928                                                                                                     | 102-2910                                                                          | 102-2926                                                                                                      | 102-2910                                                                          | 102-2926                                                                                                       | 102-2910                                                                          | 102-2925                                                                                                      | 102-2910                                                                          | 102-2925                                                                                                       | 102-2910                                                                            | 102-2926                                                                                                        | 102-2910                                                                            | 102-2925                                                                                                      | 102-2910                                                                            | 102-2925                                                                                                        | 102-2910                                                                            |
| psi           | Radius                                                                                                         | GPM                                                                               | Radius                                                                                                       | GPM                                                                               | Radius                                                                                                        | GPM                                                                               | Radius                                                                                                         | GPM                                                                               | Radius                                                                                                        | GPM                                                                               | Radius                                                                                                         | GPM                                                                                 | Radius                                                                                                          | GPM                                                                                 | Radius                                                                                                        | GPM                                                                                 | Radius                                                                                                          | GPM                                                                                 |
| 50            | 52                                                                                                             | 13.9                                                                              | 62                                                                                                           | 17.4                                                                              | 66                                                                                                            | 20.7                                                                              | 69                                                                                                             | 28.6                                                                              | —                                                                                                             | —                                                                                 | —                                                                                                              | —                                                                                   | —                                                                                                               | —                                                                                   | —                                                                                                             | —                                                                                   | —                                                                                                               | —                                                                                   |
| 65            | 54                                                                                                             | 15.7                                                                              | 64                                                                                                           | 20.8                                                                              | 68                                                                                                            | 23.4                                                                              | 74                                                                                                             | 31.2                                                                              | 76                                                                                                            | 33.8                                                                              | 81                                                                                                             | 35.7                                                                                | —                                                                                                               | —                                                                                   | —                                                                                                             | —                                                                                   | —                                                                                                               | —                                                                                   |
| 80            | 57                                                                                                             | 17.2                                                                              | 68                                                                                                           | 22.9                                                                              | 72                                                                                                            | 25.8                                                                              | 77                                                                                                             | 34.4                                                                              | 79                                                                                                            | 37.2                                                                              | 85                                                                                                             | 39.4                                                                                | 89                                                                                                              | 43.6                                                                                | 92                                                                                                            | 47.5                                                                                | 96                                                                                                              | 57.0                                                                                |
| 100           | 59                                                                                                             | 19.1                                                                              | 73                                                                                                           | 25.5                                                                              | 76                                                                                                            | 28.7                                                                              | 80                                                                                                             | 38.2                                                                              | 84                                                                                                            | 41.3                                                                              | 89                                                                                                             | 43.7                                                                                | 94                                                                                                              | 48.5                                                                                | 95                                                                                                            | 51.1                                                                                | 100                                                                                                             | 61.1                                                                                |
| Stator        | 102-1939 Yellow                                                                                                |                                                                                   |                                                                                                              |                                                                                   |                                                                                                               |                                                                                   |                                                                                                                |                                                                                   | 102-1940 White                                                                                                |                                                                                   |                                                                                                                |                                                                                     |                                                                                                                 |                                                                                     |                                                                                                               |                                                                                     | 102-1941                                                                                                        |                                                                                     |
| Conver.       | 855S-5154                                                                                                      |                                                                                   |                                                                                                              |                                                                                   |                                                                                                               |                                                                                   |                                                                                                                |                                                                                   | 855S-5558                                                                                                     |                                                                                   |                                                                                                                |                                                                                     |                                                                                                                 |                                                                                     |                                                                                                               |                                                                                     | 855S-59                                                                                                         |                                                                                     |

Not recommended at these pressures. Radius shown in feet.  
 Toro recommends the use of a 1 1/4" swing joint at flows over 25-GPM (95-LPM). Sprinkler radius data collected in Toro's zero wind test facility per ASAE standard S398.1.  
 Actual site conditions must be considered when selecting the appropriate nozzle.  
 All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.

### Back Nozzle Performance Data

| Nozzles  |                                   |         | 65 PSI |     | 80 PSI |     | Profile                                                                             |
|----------|-----------------------------------|---------|--------|-----|--------|-----|-------------------------------------------------------------------------------------|
| Part #   | Description                       | Color   | Radius | GPM | Radius | GPM |                                                                                     |
| 102-6937 | Inner Nozzle w/ Yellow Restrictor | Yel/Yel | 29     | 3.7 | 30     | 4.1 |  |
| 102-6531 | Inner Nozzle w/ White Restrictor  | Grn/Wht | 31     | 4.3 | 33     | 4.6 |  |
| 102-6883 | Intermediate Nozzle               | Brown   | 38     | 2.8 | 38     | 2.8 |  |
| 102-6884 | Intermediate Nozzle               | Yellow  | 41     | 4.1 | 43     | 4.5 |  |
| 102-6885 | Intermediate Nozzle               | Green   | 42     | 5.4 | 45     | 6.0 |  |
| 102-2925 | Intermediate Nozzle               | Blue    | 40     | 2.8 | 42     | 3.2 |  |
| 102-2926 | Intermediate Nozzle               | Orange  | 44     | 4.3 | 45     | 4.8 |  |
| 102-2927 | Intermediate Nozzle               | Gray    | 46     | 5.1 | 47     | 5.4 |  |
| 102-2928 | Intermediate Nozzle               | Red     | 48     | 6.5 | 50     | 7.0 |  |
| 102-2929 | Intermediate Nozzle               | Beige   | 51     | 8.1 | 53     | 9.1 |  |

### Mainless Nozzle Performance Data

| Pressure |  |                                  |  |                                  |  |        |  |        |  |        |
|----------|-------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|---------------------------------------------------------------------------------------|--------|
|          | 102-2925<br>102-2208<br>102-2910                                                    | 102-2926<br>102-2208<br>102-2910 | 102-2928<br>102-2208<br>102-2910                                                      | 102-2910<br>102-2208<br>102-2910 | 102-2930<br>102-2208<br>102-2910                                                      | Radius | GPM                                                                                   | Radius | GPM                                                                                   | Radius |
| PSI      | Radius                                                                              | GPM                              | Radius                                                                                | GPM                              | Radius                                                                                | GPM    | Radius                                                                                | GPM    | Radius                                                                                | GPM    |
| 65       | 46                                                                                  | 8.7                              | 46                                                                                    | 10.4                             | 50                                                                                    | 12.4   | 42                                                                                    | 10.2   | 47                                                                                    | 13.9   |
| SOR      | 5:02                                                                                |                                  | 4:16                                                                                  |                                  | 3:36                                                                                  |        | 4:19                                                                                  |        | 4:06                                                                                  |        |
| 80       | 46                                                                                  | 9.6                              | 47                                                                                    | 11.5                             | 53                                                                                    | 13.7   | 44                                                                                    | 11.2   | 51                                                                                    | 15.3   |
| SOR      | 4:22                                                                                |                                  | 3:40                                                                                  |                                  | 3:03                                                                                  |        | 3:53                                                                                  |        | 3:40                                                                                  |        |

Requires the low-flow stator 102-6929 for indicated rotation speeds.  
 SOR: Speed of rotation

**Operating Specifications**

- Inlet:
  - 835S: 1" NPT, BSP or ACME
  - 855S: 1 1/2" NPT, BSP or ACME
- Radius:
  - 835S: 42' - 92'
  - 855S: 52' - 100'
- Flow Rate:
  - 835S: 7.1 - 45.3 GPM
  - 855S: 13.9 - 61.1 GPM
- Precipitation Rates:
  - 835S: Minimum - .37"/hr; Maximum - .53"/hr
  - 855S: Minimum - .43"/hr; Maximum - .60"/hr
- Pilot Valve: Selectable at 50, 65, 80 and 100 psi
- Recommended Operating Pressure Range: 65-100 psi (maximum -150 psi and minimum - 40 psi)
- Electric Valve-in-Head Solenoid: 24V ac, 50/60 Hz
  - Inrush: 50 Hz, 0.17 Amps; 60 Hz, 0.12 Amps
  - Holding: 50 Hz, 0.15 Amps; 60 Hz, 0.10 Amps
- Trajectory: 24 positions from 7° - 30° in 1° increments
- Check-O-Matic maintains up to 37' elevation

**Additional Features**

- 835S has eight nozzle variations (30, 31, 32, 33, 34, 35, 36 and 37)
- 855S has nine nozzle variations (51, 52, 53, 54, 55, 56, 57, 58 and 59)
- Four in-line nozzles, rotating stream pattern
- One back nozzle position
- Stator variations: 835S - 3 and 855S - 3

**Dimensions**

- Body diameter:
  - 835S: 6 1/2"
  - 855S: 7 1/2"
- Body height:
  - 835S: 10"
  - 855S: 11 3/8"
- Weight:
  - 835S: 2.98 lbs.
  - 855S: 3.70 lbs.
- Pop-up height to nozzle: 3 1/4"

**Warranty**

- Three years
- Five years when installed with Toro Swing Joints

Toro® Swing Joints



**835S Conversion Assemblies**

| Models       | Description                                          |
|--------------|------------------------------------------------------|
| • 835S-3134  | 835S w/31-34 Nozzles (#3 Nozzle Installed)           |
| • 835S-3537  | 835S w/35-37 Nozzles (#5 Nozzle Installed)           |
| • 835S-3134E | 835S w/31-34 Nozzles (#3 Nozzle Installed), Effluent |
| • 835S-3537E | 835S w/35-37 Nozzles (#5 Nozzle Installed), Effluent |



**855S Conversion Assemblies—(Ribbed Body)**

| Models       | Description                                                     |
|--------------|-----------------------------------------------------------------|
| • 855S-5154  | 855S w/51-54 Nozzles (#3 Nozzle Installed)                      |
| • 855S-5558  | 855S w/55-58 Nozzles (#5 Nozzle Installed)                      |
| • 855S-59    | No.9 Nozzle installed                                           |
| • 855S-5154E | 855S w/51-54 Nozzles (#3 Nozzle Installed), Effluent            |
| • 855S-5558E | 855S w/55-58 Nozzles (#5 Nozzle Installed), Effluent            |
| • 855S-59E   | (#9 Nozzle installed), Effluent                                 |
| • 102-5011   | 690 Adapter allows you to upgrade any 690 with 855S conversions |



**855S Conversion Assemblies—(Ribless Body)**

| Models        | Description                                          |
|---------------|------------------------------------------------------|
| • 855S-5154R  | 855S w/51-54 Nozzles (#3 Nozzle Installed)           |
| • 855S-5558R  | 855S w/55-58 Nozzles (#5 Nozzle Installed)           |
| • 855S-59R    | #9 Nozzle Installed                                  |
| • 855S-5154RE | 855S w/51-54 Nozzles (#3 Nozzle Installed), Effluent |
| • 855S-5558RE | 855S w/55-58 Nozzles (#5 Nozzle Installed), Effluent |
| • 855S-59RE   | #9 nozzle installed, Effluent                        |



*Specifying Information—835S & 855S*

| 8X5S-XX-XXXXX                                                                                                                                                                    |                                      |                          |                                                            |                                                                             |                      |                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------|---------------------------------------------------------------|
| Body Inlet                                                                                                                                                                       | Arc                                  | Body Threads             | Valve Type                                                 | Nozzle                                                                      | Pressure Regulation* | Optional                                                      |
| 8X5S                                                                                                                                                                             | 5                                    | X                        | X                                                          | XX                                                                          | X                    | XX                                                            |
| 3—1"<br>5—1 1/2"                                                                                                                                                                 | 5—Part-circle and Full-circle in one | 0—NPT<br>4—ACME<br>5—BSP | 1—Normally Open Hydraulic<br>2—Check-O-Matic<br>6—Electric | 835S<br>30 31 32 33 34<br>35 36 37<br>855S<br>51 52 53 54 55<br>56 57 58 59 | 6—65 psi<br>8—80 psi | E—Effluent Model<br>DL—Decoder Model<br>N—Nickel plated Model |
| <b>Example:</b> When specifying an 835S Series Sprinkler with NPT threads, #34 nozzle, an electric valve and pressure regulation at 65 psi you would specify: <b>835S-06-346</b> |                                      |                          |                                                            |                                                                             |                      |                                                               |

\* Electric models only. All sprinklers are equipped with the selectable pilot valve that allows settings at 50, 65, 80 and 100 psi.

Note: Not all models available. Nickel-plated, corrosion-resistant models are available upon request.