APPLICATIONS
Irrigation of tree plantations with mid-size root volumes.

BENEFITS AND FEATURES
Ensures higher crop uniformity
- Unique design of the sprinkler’s rotor water channel.

Reduces maintenance and repair costs
- The GyroNet™ has an anti-ant mechanism preventing insect penetration into the area of the micro-sprinkler nozzle.

Higher reliability & longevity
- Long-term reliable service, simple, modular parts, clog resistant design.
- Specialty raw material makes it resistant to all agrochemicals & weather conditions.

Suitable for diverse applications
- Specifically designed for fruit trees, orchards, deciduous and other tree crops requiring efficient water distribution.
- Can be used for Frost Mitigation and/or cooling irrigation systems.

SPECIFICATIONS
- MR means a revolving rotor irrigating a middle area.
- MRD stream deflector concentrates all the water in the area surrounding the young tree during the initial growing period. When the tree grows, the stream deflector can be broken off, thus enabling extended irrigation diameter.
- Micro-sprinkler, 4 different flow rates: 27, 40, 58, 70 l/h. Flow rates within pressure range. Nominal flow rates at 1.7 bar pressure.
- Maximum recommended working pressure: 2.5 bar
- Recommended filtration: 200 micron / 80 mesh. Filtration method to be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100 ppm, pre-treatment shall be applied according to Netafim™ expert team’s instructions.
- There are 3 types of inlet connectors:
  - Self-tapping
  - Press fit
  - 3/8” male threaded
- 2 types of upper bearing:
  - Standard - for normal water
  - Everspin™ - for harsh conditions
- The rotor is colored Brown for all different flows.
Flowchart to determine the desired product definition

How to use: To determine the desired product definition select one of every set of options displayed on the chart.

**Gyronef™ Middle Range & Middle Range With Deflector**

**EMITTER**
- GyroNet™
- GYR

**Disperser**
- Middle Range swivel: MR
- Middle Range with deflector: MRD

**Head inlet connector**
- Press fit male: MIC
- Self tapping: STIC
- 3/8" male threaded: 3/HIC

**Upper bearing**
- Everspin™: ESUB
- Standard: STUB

**Flow**
- 27 lit/h 027
- 40 lit/h 040
- 58 lit/h 058
- 70 lit/h 070

**Stand assembly**
- Head only
- Head + 60 cm microtube + Stake
- Head + 90 cm microtube + Stake
- Head + XXX cm microtube + Stake

**Connector to lateral**
- Barb
- Press fit PFC
- 3/8" conic press fit

**Accessories**
- Stream splitter SP
- AD valve 1.5/0.7 bar AD15

When selecting an undefined tube length, add the desired length in writing.

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**Gyronef™ MR & MRD Technical Data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Nozzle Code Color</th>
<th>Nozzle Size</th>
<th>Constant</th>
<th>Exponent</th>
<th>Maximum Working Pressure</th>
<th>Wetted Diameter (mm)</th>
<th>Swivel (Rotor) Code Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>027</td>
<td>Brown</td>
<td>0.75 6.7</td>
<td>0.5</td>
<td>2.5</td>
<td>4.5 2.0</td>
<td>Brown</td>
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</tr>
<tr>
<td>040</td>
<td>Blue</td>
<td>0.90 9.4</td>
<td>0.5</td>
<td>2.5</td>
<td>5.5 2.5</td>
<td>Brown</td>
<td></td>
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<tr>
<td>058</td>
<td>Gray</td>
<td>1.10 13.5</td>
<td>0.5</td>
<td>2.5</td>
<td>6.5 2.5</td>
<td>Brown</td>
<td></td>
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<tr>
<td>070</td>
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<td>1.20 17.4</td>
<td>0.5</td>
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**Packaging Data**

<table>
<thead>
<tr>
<th>Gyronef™ MR &amp; MRD</th>
<th>Quantity/P/Box Units</th>
<th>Box Size (CM X CM X CM)</th>
<th>Box Weight (KG)</th>
<th>Boxes P/Pallet</th>
<th>Total Units P/Pallet</th>
<th>Pallet Weight (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head only</td>
<td>1000</td>
<td>28 x 28 x 57</td>
<td>12.5</td>
<td>32</td>
<td>32000</td>
<td>412</td>
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<tr>
<td>Complete stand (60 cm) w/stake</td>
<td>100</td>
<td>18 x 34 x 79</td>
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<td>20</td>
<td>2000</td>
<td>137</td>
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<tr>
<td>Complete stand (60 cm) w/o stake</td>
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<td>18 x 34 x 79</td>
<td>7.1</td>
<td>20</td>
<td>5000</td>
<td>153</td>
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<tr>
<td>Complete stand (90 cm) w/stake</td>
<td>150</td>
<td>28 x 27 x 113</td>
<td>7.6</td>
<td>18</td>
<td>2700</td>
<td>147</td>
</tr>
<tr>
<td>Complete stand (90 cm) w/o stake</td>
<td>200</td>
<td>28 x 27 x 113</td>
<td>8.1</td>
<td>18</td>
<td>3600</td>
<td>155</td>
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**Model Nozzle Chart**

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