### Data

<table>
<thead>
<tr>
<th>AS index</th>
<th>S0168</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Starters</td>
</tr>
<tr>
<td>Producer</td>
<td>AS-PL</td>
</tr>
<tr>
<td>Replacement for</td>
<td>Bosch</td>
</tr>
</tbody>
</table>

### Product features

| Voltage [ V ] | 12 |
| Power [ kW ]  | 1.1 |
| Size A [ mm ] | 74 |
| Size B [ mm ] | 16 |
| No./teeth [ szt ] | 11 |
| No./teeth (fits into) [ szt ] | 9.11 |
| No./mount. holes [ szt ] | 2 |
| No./mount. holes with thread [ szt ] | 1 |
| Rotation     | CW |

### Reference number (53)

<table>
<thead>
<tr>
<th>Number</th>
<th>Producer</th>
</tr>
</thead>
<tbody>
<tr>
<td>AES2244</td>
<td>AUTOELECTRO</td>
</tr>
<tr>
<td>AEY2399</td>
<td>AUTOELECTRO</td>
</tr>
<tr>
<td>0001107088</td>
<td>BOSCH</td>
</tr>
<tr>
<td>0001107433</td>
<td>BOSCH</td>
</tr>
</tbody>
</table>
## Application

### TOYOTA

<table>
<thead>
<tr>
<th>Brand</th>
<th>Model</th>
<th>Type</th>
<th>Year</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make</td>
<td>Model</td>
<td>Engine Code</td>
<td>Years</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>------------------------</td>
<td>-------------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Celica 1.8 16V TS</td>
<td>2ZZ-GE</td>
<td>08.1999-09.2005</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Celica 1.8 VVTi 16V</td>
<td>1ZZ-FE</td>
<td>08.1999-07.2005</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.4</td>
<td>4ZZ-FE</td>
<td>02.2000-01.2002</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.4 16V</td>
<td>4ZZ-FE</td>
<td>02.2000-10.2001</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.4 16V</td>
<td>4ZZ-FE</td>
<td>02.2000-11.2001</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.4 VVTi</td>
<td>4ZZ-FE</td>
<td>01.2002-</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.4 VVTi</td>
<td>4ZZ-FE</td>
<td>01.2002-05.2004</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.4 VVTi</td>
<td>4ZZ-FE</td>
<td>08.2002-</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.6</td>
<td>3ZZ-FE</td>
<td>02.2000-01.2002</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.6 16V</td>
<td>3ZZ-FE</td>
<td>02.2000-11.2001</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.6 16V</td>
<td>3ZZ-FE</td>
<td>02.2000-10.2001</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.6 VVTi</td>
<td>3ZZ-FE</td>
<td>01.2002-</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.6 VVTi Verso</td>
<td>3ZZ-FE</td>
<td>08.2002-</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.6 VVTi Verso</td>
<td>3ZZ-FE</td>
<td>01.2002-05.2004</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.8 i 16V Verso</td>
<td>1ZZ-FE</td>
<td>09.2001-05.2004</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.8 i WTL-i TS</td>
<td>2ZZ-GE</td>
<td>01.2002-</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>Corolla 1.8 VVTi Verso</td>
<td>2ZZ-GE</td>
<td>10.2005-</td>
<td></td>
</tr>
<tr>
<td>TOYOTA</td>
<td>RAV4 1.8 i 16V</td>
<td>1ZZ-FE</td>
<td>08.2000-11.2005</td>
<td></td>
</tr>
</tbody>
</table>