**SB/BSY Module 1.5–6**

**Bevel Gears**

---

**Specifications**

ISO 9714:1980 Grade 3

---

**Back view coating**

---

| Catalog Number | Gear Ratio | Module | No. of teeth | Shape | Face width | Pitch dia. | Clearance | Outside dia. | Bearing width | Total weight | Backlash
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SB1.5-6015</td>
<td>m1.5</td>
<td>60</td>
<td>50</td>
<td>90</td>
<td>22.5</td>
<td>26.66</td>
<td>56</td>
<td>23.01</td>
<td>11.32</td>
<td>10.43</td>
<td>0.18</td>
</tr>
<tr>
<td>SB1.5-1560</td>
<td>m2</td>
<td>60</td>
<td>50</td>
<td>150</td>
<td>35.55</td>
<td>42</td>
<td>139</td>
<td>31.01</td>
<td>15.49</td>
<td>14.25</td>
<td>0.15</td>
</tr>
<tr>
<td>SB2-6015</td>
<td>m2.5</td>
<td>60</td>
<td>70</td>
<td>150</td>
<td>44.44</td>
<td>39.02</td>
<td>39.02</td>
<td>18.97</td>
<td>18.06</td>
<td>20</td>
<td>0.05</td>
</tr>
<tr>
<td>SB3-6015</td>
<td>m3</td>
<td>60</td>
<td>50</td>
<td>150</td>
<td>68.43</td>
<td>43.15</td>
<td>30.36</td>
<td>23.00</td>
<td>11.32</td>
<td>10.43</td>
<td>0.18</td>
</tr>
<tr>
<td>SB4-6015</td>
<td>m4</td>
<td>60</td>
<td>70</td>
<td>150</td>
<td>112</td>
<td>53.33</td>
<td>44.11</td>
<td>23.04</td>
<td>11.61</td>
<td>11.02</td>
<td>0.03</td>
</tr>
<tr>
<td>SB5-6015</td>
<td>m5</td>
<td>60</td>
<td>90</td>
<td>150</td>
<td>184.63</td>
<td>63.79</td>
<td>70.05</td>
<td>23.04</td>
<td>11.61</td>
<td>11.02</td>
<td>0.03</td>
</tr>
<tr>
<td>SB6-6015</td>
<td>m6</td>
<td>60</td>
<td>110</td>
<td>150</td>
<td>259.16</td>
<td>68.16</td>
<td>70.05</td>
<td>23.04</td>
<td>11.61</td>
<td>11.02</td>
<td>0.03</td>
</tr>
</tbody>
</table>

---

**Steel Bevel Gears & Pinion Shafts**

---

**Specifications**

ISO 9714:1980 Grade 3

---

**Back view coating**

---

| Catalog Number | Gear Ratio | Module | No. of teeth | Shape | Face width | Pitch dia. | Clearance | Outside dia. | Bearing width | Total weight | Backlash
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SB1.5-6012</td>
<td>m1.5</td>
<td>60</td>
<td>50</td>
<td>90</td>
<td>22.24</td>
<td>28.83</td>
<td>30</td>
<td>23.89</td>
<td>12.82</td>
<td>17.06</td>
<td>0.15</td>
</tr>
<tr>
<td>SB1.5-1260</td>
<td>m2</td>
<td>60</td>
<td>50</td>
<td>150</td>
<td>31.85</td>
<td>29.09</td>
<td>40</td>
<td>31.85</td>
<td>16</td>
<td>16.77</td>
<td>0.16</td>
</tr>
<tr>
<td>SB2-6012</td>
<td>m2.5</td>
<td>60</td>
<td>70</td>
<td>150</td>
<td>50.38</td>
<td>36.36</td>
<td>20</td>
<td>30</td>
<td>12</td>
<td>17.06</td>
<td>0.15</td>
</tr>
<tr>
<td>SB3-6012</td>
<td>m3</td>
<td>60</td>
<td>90</td>
<td>150</td>
<td>68.43</td>
<td>43.15</td>
<td>30</td>
<td>23.00</td>
<td>11.32</td>
<td>10.43</td>
<td>0.18</td>
</tr>
</tbody>
</table>

---

**Notes:**

1. The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 333 for more details.

2. Dimensions of the outside diameter, the total length and crown to back length are all theoretical values, and some differences will occur due to the corner chamfering of the gear tips.

3. For the handling conveniences, the BT series has the tapped holes on the housing surface. Please see Page 334 for L and T slot sizes.

---

**Bevel Gears & Pinion Shafts**

---

**Notes:**

1. The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 333 for more details.

2. Dimensions of the outside diameter, the total length and crown to back length are all theoretical values, and some differences will occur due to the corner chamfering of the gear tips.

---

**Contact us on the website:**

---

357