### Normal-Incidence: 4 Types (A to D)

#### Normal-incidence Type A

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Grooves per mm</th>
<th>Radius of curvature (mm)</th>
<th>Blaze WL (nm)</th>
<th>Blank size H×W×T (mm)</th>
<th>Blaze angle (degree)</th>
<th>α (degree)</th>
<th>r (mm)</th>
<th>θ (degree)</th>
<th>β1 (degree)</th>
<th>r'1 (mm)</th>
<th>β2 (degree)</th>
<th>r'2 (mm)</th>
<th>L (mm)</th>
<th>WL Range λ1 to λ2 (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>001-0287</td>
<td>600</td>
<td>200</td>
<td>785</td>
<td>30×30×10</td>
<td>13.7</td>
<td>19.8</td>
<td>197.22</td>
<td>12.2</td>
<td>6.39</td>
<td>196.49</td>
<td>9.86</td>
<td>195.83</td>
<td>11.9</td>
<td>750~850</td>
</tr>
<tr>
<td>001-0295</td>
<td>600</td>
<td>400</td>
<td>769</td>
<td>28×38×10</td>
<td>13.4</td>
<td>19.1</td>
<td>394.28</td>
<td>12</td>
<td>6.01</td>
<td>393.4</td>
<td>9.48</td>
<td>391.64</td>
<td>23.83</td>
<td>720~820</td>
</tr>
<tr>
<td>001-0296</td>
<td>600</td>
<td>400</td>
<td>786</td>
<td>28×38×10</td>
<td>13.7</td>
<td>19.78</td>
<td>425.08</td>
<td>0</td>
<td>6.41</td>
<td>402.51</td>
<td>9.88</td>
<td>406.02</td>
<td>25.18</td>
<td>750~850</td>
</tr>
<tr>
<td>001-0297</td>
<td>600</td>
<td>500</td>
<td>786</td>
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<td>13.7</td>
<td>19.78</td>
<td>531.35</td>
<td>0</td>
<td>6.41</td>
<td>503.14</td>
<td>9.88</td>
<td>507.53</td>
<td>30.91</td>
<td>750~850</td>
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</table>

#### Normal-incidence Type B

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Grooves per mm</th>
<th>Radius of curvature (mm)</th>
<th>Blaze WL (nm)</th>
<th>Blank size H×W×T (mm)</th>
<th>Blaze angle (degree)</th>
<th>α (degree)</th>
<th>r (mm)</th>
<th>X (mm)</th>
<th>θ (degree)</th>
<th>β1 (degree)</th>
<th>r'1 (mm)</th>
<th>β2 (degree)</th>
<th>r'2 (mm)</th>
<th>L (mm)</th>
<th>WL Range λ1 to λ2 (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>001-0258</td>
<td>600</td>
<td>100</td>
<td>249</td>
<td>12×12×5</td>
<td>4.3</td>
<td>0</td>
<td>105</td>
<td>102.62</td>
<td>15.183</td>
<td>11.77</td>
<td>99.216</td>
<td>21.1</td>
<td>99.571</td>
<td>16.17</td>
<td>340~600</td>
</tr>
<tr>
<td>001-0273</td>
<td>600</td>
<td>150</td>
<td>448</td>
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<td>0</td>
<td>150</td>
<td>165.92</td>
<td>13.847</td>
<td>15.31</td>
<td>161.15</td>
<td>24.83</td>
<td>164.11</td>
<td>27.16</td>
<td>440~700</td>
</tr>
<tr>
<td>001-0275</td>
<td>600</td>
<td>150</td>
<td>493</td>
<td>50×40×10</td>
<td>8.6</td>
<td>6</td>
<td>156.75</td>
<td>160.8</td>
<td>16.67</td>
<td>14.41</td>
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<td>24</td>
<td>155.31</td>
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<td>001-0276</td>
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<td>9.67</td>
<td>202.88</td>
<td>8.59</td>
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### Normal-incidence Type C

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Grooves per mm</th>
<th>Radius of curvature (mm)</th>
<th>Blank size H×W×T (mm)</th>
<th>Blank size (degree)</th>
<th>α (degree)</th>
<th>r (mm)</th>
<th>X (mm)</th>
<th>θ (degree)</th>
<th>β1 (degree)</th>
<th>r'1 (mm)</th>
<th>β2 (degree)</th>
<th>r'2 (mm)</th>
<th>L (mm)</th>
<th>WL Range λ1 to λ2 (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>001-0245</td>
<td>300</td>
<td>50</td>
<td>9×9×5</td>
<td>2.2</td>
<td>-5.6</td>
<td>50.94</td>
<td>50</td>
<td>8</td>
<td>9.84</td>
<td>49.542</td>
<td>18.71</td>
<td>50.409</td>
<td>7.78</td>
<td>250~750</td>
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<tr>
<td>001-0248</td>
<td>330</td>
<td>149.5</td>
<td>222×25×5</td>
<td>2.1</td>
<td>-1</td>
<td>149.5</td>
<td>151.93</td>
<td>15.683</td>
<td>4.79</td>
<td>148.96</td>
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<td>146.78</td>
<td>15.91</td>
<td>200~520</td>
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<tr>
<td>001-0253</td>
<td>500</td>
<td>100</td>
<td>20×18×5</td>
<td>3</td>
<td>-5.2</td>
<td>102.05</td>
<td>100</td>
<td>10</td>
<td>10.7</td>
<td>98.49</td>
<td>15.11</td>
<td>98.87</td>
<td>7.6</td>
<td>190~340</td>
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### Normal-incidence Type D

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Grooves per mm</th>
<th>Radius of curvature (mm)</th>
<th>Blank size H×W×T (mm)</th>
<th>Blank size (degree)</th>
<th>α (degree)</th>
<th>r (mm)</th>
<th>X (mm)</th>
<th>θ (degree)</th>
<th>β1 (degree)</th>
<th>r'1 (mm)</th>
<th>β2 (degree)</th>
<th>r'2 (mm)</th>
<th>L (mm)</th>
<th>WL Range λ1 to λ2 (nm)</th>
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<tbody>
<tr>
<td>001-0464</td>
<td>1200</td>
<td>500</td>
<td>60×50×50</td>
<td>3.08</td>
<td>51</td>
<td>314.66</td>
<td>429.18</td>
<td>132.74</td>
<td>-46.81</td>
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<td>-39.28</td>
<td>315.752</td>
<td>41.6</td>
<td>40~120</td>
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### References