

**order part DDRIF-8516ZZHA3P24LY**  
**Miniature Ball Bearings Inch Series Bearings**



**Inch Series Bearings**

## Detailed Specifications

|                                       |                  |
|---------------------------------------|------------------|
| <b>Inch:</b>                          | Flanged Shielded |
| <b>Bore Diameter:</b>                 | 7.938[mm]        |
| <b>Outside Diameter:</b>              | 12.700[mm]       |
| <b>Width:</b>                         | 3.968[mm]        |
| <b>Bore Diameter:</b>                 | 0.3125[in]       |
| <b>Outside Diameter:</b>              | 0.5000[in]       |
| <b>Width:</b>                         | 0.1562[in]       |
| <b>Flange Diameter (D1):</b>          | 13.894[mm]       |
| <b>Flange Width (C1):</b>             | 0.787[mm]        |
| <b>Fillet Radius (rsmin):</b>         | 0.130[mm]        |
| <b>Reference Diameter Inner (Li):</b> | 9.200[mm]        |
| <b>Reference Diameter Outer (Lo):</b> | 11.770[mm]       |
| <b>Ball Size (DW):</b>                | 1.588[mm]        |
| <b>Ball Complement (Z):</b>           | 11               |
| <b>Dynamic Load Rating (Cr):</b>      | 878[N]           |
| <b>Flange Diameter (D1):</b>          | 0.5470[in]       |
| <b>Flange Width (C1):</b>             | 0.0310[in]       |
| <b>Fillet Radius (rsmin):</b>         | 0.005[in]        |
| <b>Reference Diameter Inner (Li):</b> | 0.362[in]        |
| <b>Reference Diameter Outer (Lo):</b> | 0.463[in]        |
| <b>Ball Size (DW):</b>                | 0.0625[in]       |
| <b>Dynamic Load Rating Cr:</b>        | 878[N]           |
| <b>Static Load Rating Cor:</b>        | 419[N]           |
| <b>Static Load Rating (Cor):</b>      | 419[N]           |