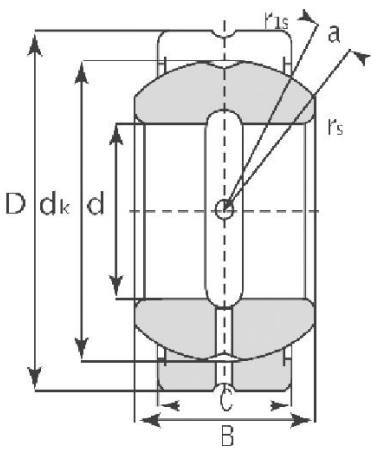


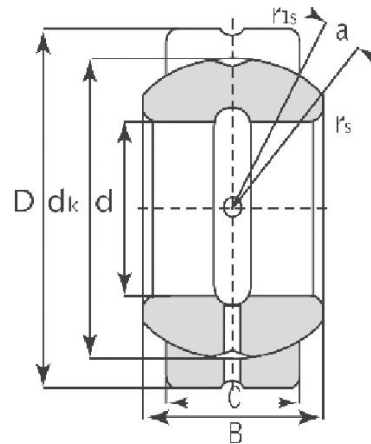
# Spherical Plain Bearing



## GE ES / GE ES-2RS

| Bearing Number |             | Dimensions (mm) |     |     |     |      |        |         |     | Load Ratings kN |        | Weight |
|----------------|-------------|-----------------|-----|-----|-----|------|--------|---------|-----|-----------------|--------|--------|
|                |             | d               | D   | B   | C   | dk   | min rs | min r1s | a ~ | Dynamic         | Static | ~ kg   |
| GE4E           |             | 4               | 12  | 5   | 3   | 8    | 0.3    | 0.3     | 16  | 2               | 10     | 0.003  |
| GE5E           |             | 5               | 14  | 6   | 4   | 10   | 0.3    | 0.3     | 13  | 3.4             | 17     | 0.005  |
| GE6E           |             | 6               | 14  | 6   | 4   | 10   | 0.3    | 0.3     | 13  | 3.4             | 17     | 0.004  |
| GE8E           |             | 8               | 16  | 8   | 5   | 13   | 0.3    | 0.3     | 15  | 5.5             | 27     | 0.008  |
| GE10E          |             | 10              | 19  | 9   | 6   | 16   | 0.3    | 0.3     | 12  | 8.1             | 40     | 0.011  |
| GE12E          |             | 12              | 22  | 10  | 7   | 18   | 0.3    | 0.3     | 10  | 10              | 53     | 0.015  |
| GE15ES         | GE15ES-2RS  | 15              | 26  | 12  | 9   | 22   | 0.3    | 0.3     | 8   | 16              | 84     | 0.027  |
| GE17ES         | GE17ES-2RS  | 17              | 30  | 14  | 10  | 25   | 0.3    | 0.3     | 10  | 21              | 106    | 0.041  |
| GE20ES         | GE20ES-2RS  | 20              | 35  | 16  | 12  | 29   | 0.3    | 0.3     | 9   | 30              | 146    | 0.066  |
| GE25ES         | GE25ES-2RS  | 25              | 42  | 20  | 16  | 35.5 | 0.6    | 0.6     | 7   | 48              | 240    | 0.119  |
| GE30ES         | GE30ES-2RS  | 30              | 47  | 22  | 18  | 40.7 | 0.6    | 0.6     | 6   | 62              | 310    | 0.153  |
| GE35ES         | GE35ES-2RS  | 35              | 55  | 25  | 20  | 47   | 0.6    | 1       | 6   | 79              | 399    | 0.233  |
| GE40ES         | GE40ES-2RS  | 40              | 62  | 28  | 22  | 53   | 0.6    | 1       | 7   | 99              | 495    | 0.306  |
| GE45ES         | GE45ES-2RS  | 45              | 68  | 32  | 25  | 60   | 0.6    | 1       | 7   | 127             | 637    | 0.427  |
| GE50ES         | GE50ES-2RS  | 50              | 75  | 35  | 28  | 66   | 0.6    | 1       | 6   | 156             | 780    | 0.546  |
| GE55ES         | GE55ES-2RS  | 55              | 85  | 40  | 32  | 74   | 0.6    | 1       | 7   | 200             | 1000   | 0.939  |
| GE60ES         | GE60ES-2RS  | 60              | 90  | 44  | 36  | 80   | 1      | 1       | 6   | 245             | 1220   | 1.04   |
| GE70ES         | GE70ES-2RS  | 70              | 105 | 49  | 40  | 92   | 1      | 1       | 6   | 313             | 1560   | 1.55   |
| GE80ES         | GE80ES-2RS  | 80              | 120 | 55  | 45  | 105  | 1      | 1       | 6   | 400             | 2000   | 2.31   |
| GE90ES         | GE90ES-2RS  | 90              | 130 | 60  | 50  | 115  | 1      | 1       | 5   | 488             | 2440   | 2.75   |
| GE100ES        | GE100ES-2RS | 100             | 150 | 70  | 55  | 130  | 1      | 1       | 7   | 607             | 3030   | 4.45   |
| GE110ES        | GE110ES-2RS | 110             | 160 | 70  | 55  | 140  | 1      | 1       | 6   | 654             | 3270   | 4.82   |
| GE120ES        | GE120ES-2RS | 120             | 180 | 85  | 70  | 160  | 1      | 1       | 6   | 950             | 4750   | 8.05   |
| GE140ES        | GE140ES-2RS | 140             | 210 | 90  | 70  | 180  | 1      | 1       | 7   | 1070            | 5350   | 11.02  |
| GE160ES        | GE160ES-2RS | 160             | 230 | 105 | 80  | 200  | 1      | 1       | 8   | 1360            | 6800   | 14.01  |
| GE180ES        | GE180ES-2RS | 180             | 260 | 105 | 80  | 225  | 1.1    | 1.1     | 6   | 1530            | 7650   | 18.65  |
| GE200ES        | GE200ES-2RS | 200             | 290 | 130 | 100 | 250  | 1.1    | 1.1     | 7   | 2120            | 10600  | 28.03  |
| GE220ES        | GE220ES-2RS | 220             | 320 | 135 | 100 | 275  | 1.1    | 1.1     | 8   | 2320            | 11600  | 35.51  |
| GE240ES        | GE240ES-2RS | 240             | 340 | 140 | 100 | 300  | 1.1    | 1.1     | 8   | 2550            | 12700  | 39.91  |
| GE260ES        | GE260ES-2RS | 260             | 370 | 150 | 110 | 325  | 1.1    | 1.1     | 7   | 3030            | 15190  | 51.54  |
| GE280ES        | GE280ES-2RS | 280             | 400 | 155 | 120 | 350  | 1.1    | 1.1     | 6   | 3570            | 17850  | 65.06  |
| GE300ES        | GE300ES-2RS | 300             | 430 | 165 | 120 | 375  | 1.1    | 1.1     | 7   | 3800            | 19100  | 78.07  |

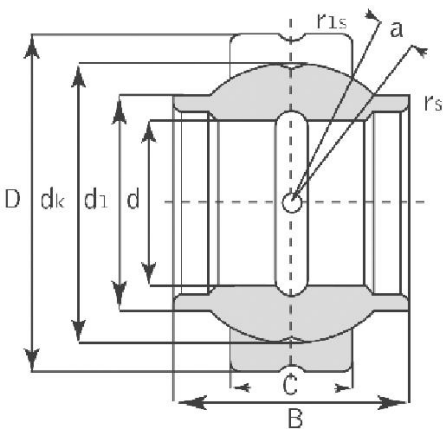
# Spherical Plain Bearing



## GEG ES / GEG ES-2RS

| Bearing Number |              | Dimensions (mm) |     |     |     |      |           |            |        | Load Ratings kN |        | Weight<br>~ kg |
|----------------|--------------|-----------------|-----|-----|-----|------|-----------|------------|--------|-----------------|--------|----------------|
|                |              | d               | D   | B   | C   | dk   | min<br>rs | min<br>r1s | a<br>~ | Dynamic         | Static |                |
| GEG4E          |              | 4               | 14  | 7   | 4   | 10   | 0.3       | 0.3        | 20     | 3.4             | 17     | 0.005          |
| GEG5E          |              | 5               | 16  | 9   | 5   | 13   | 0.3       | 0.3        | 21     | 5.5             | 27     | 0.008          |
| GEG6E          |              | 6               | 16  | 9   | 5   | 13   | 0.3       | 0.3        | 21     | 5.5             | 27     | 0.006          |
| GEG8E          |              | 8               | 19  | 11  | 6   | 16   | 0.3       | 0.3        | 21     | 8.1             | 40     | 0.014          |
| GEG10E         |              | 10              | 22  | 12  | 7   | 18   | 0.3       | 0.3        | 18     | 10              | 53     | 0.021          |
| GEG12E         |              | 12              | 26  | 15  | 9   | 22   | 0.3       | 0.3        | 18     | 16              | 84     | 0.033          |
| GEG15ES        | GEG15ES-2RS  | 15              | 30  | 16  | 10  | 25   | 0.3       | 0.3        | 16     | 21              | 106    | 0.049          |
| GEG17ES        | GEG17ES-2RS  | 17              | 35  | 20  | 12  | 29   | 0.3       | 0.3        | 19     | 30              | 146    | 0.083          |
| GEG20ES        | GEG20ES-2RS  | 20              | 42  | 25  | 16  | 35.5 | 0.3       | 0.6        | 17     | 48              | 240    | 0.153          |
| GEG25ES        | GEG25ES-2RS  | 25              | 47  | 28  | 18  | 40.7 | 0.6       | 0.6        | 17     | 62              | 310    | 0.203          |
| GEG30ES        | GEG30ES-2RS  | 30              | 55  | 32  | 20  | 47   | 0.6       | 1          | 17     | 79              | 399    | 0.304          |
| GEG35ES        | GEG35ES-2RS  | 35              | 62  | 35  | 22  | 53   | 0.6       | 1          | 16     | 99              | 495    | 0.408          |
| GEG40ES        | GEG40ES-2RS  | 40              | 68  | 40  | 25  | 60   | 0.6       | 1          | 17     | 127             | 637    | 0.542          |
| GEG45ES        | GEG45ES-2RS  | 45              | 75  | 43  | 28  | 66   | 0.6       | 1          | 15     | 156             | 780    | 0.713          |
| GEG50ES        | GEG50ES-2RS  | 50              | 90  | 56  | 36  | 80   | 0.6       | 1          | 17     | 245             | 1220   | 1.14           |
| GEG60ES        | GEG60ES-2RS  | 60              | 105 | 63  | 40  | 92   | 1         | 1          | 17     | 313             | 1560   | 2.05           |
| GEG70ES        | GEG70ES-2RS  | 70              | 120 | 70  | 45  | 105  | 1         | 1          | 16     | 400             | 2000   | 3.01           |
| GEG80ES        | GEG80ES-2RS  | 80              | 130 | 75  | 50  | 115  | 1         | 1          | 14     | 488             | 2440   | 3.64           |
| GEG90ES        | GEG90ES-2RS  | 90              | 150 | 85  | 55  | 130  | 1         | 1          | 15     | 607             | 3030   | 5.22           |
| GEG100ES       | GEG100ES-2RS | 100             | 160 | 85  | 55  | 140  | 1         | 1          | 14     | 654             | 3270   | 6.05           |
| GEG110ES       | GEG110ES-2RS | 110             | 180 | 100 | 70  | 160  | 1         | 1          | 12     | 950             | 4750   | 9.68           |
| GEG120ES       | GEG120ES-2RS | 120             | 210 | 115 | 70  | 180  | 1         | 1          | 16     | 1070            | 5350   | 14.01          |
| GEG140ES       | GEG140ES-2RS | 140             | 230 | 130 | 80  | 200  | 1         | 1          | 16     | 1360            | 6800   | 19.01          |
| GEG160ES       | GEG160ES-2RS | 160             | 260 | 135 | 80  | 225  | 1.1       | 1.1        | 16     | 1530            | 7650   | 24.7           |
| GEG180ES       | GEG180ES-2RS | 180             | 290 | 155 | 100 | 250  | 1.1       | 1.1        | 14     | 2120            | 10600  | 35.9           |
| GEG200ES       | GEG200ES-2RS | 200             | 320 | 165 | 100 | 275  | 1.1       | 1.1        | 15     | 2320            | 11600  | 45.28          |
| GEG220ES       | GEG220ES-2RS | 220             | 340 | 175 | 100 | 300  | 1.1       | 1.1        | 16     | 2550            | 12700  | 51.12          |
| GEG240ES       | GEG240ES-2RS | 240             | 370 | 190 | 110 | 325  | 1.1       | 1.1        | 15     | 3030            | 15190  | 65.12          |
| GEG260ES       | GEG260ES-2RS | 260             | 400 | 205 | 120 | 350  | 1.1       | 1.1        | 15     | 3570            | 17850  | 82.44          |
| GEG280ES       | GEG280ES-2RS | 280             | 430 | 210 | 120 | 375  | 1.1       | 1.1        | 15     | 3800            | 19100  | 97.21          |

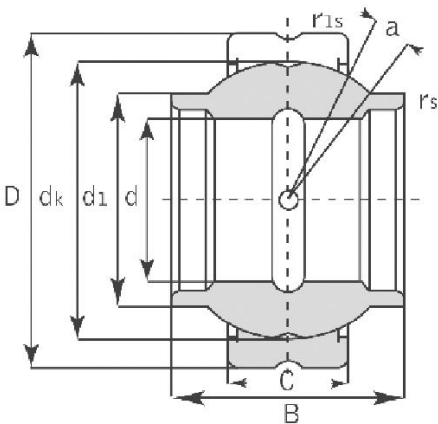
# Spherical Plain Bearing



## GEEW ES

| Bearing Number | Dimensions (mm) |     |     |     |        |      |        |         |      | Load Ratings kN |        | Weight ~kg |
|----------------|-----------------|-----|-----|-----|--------|------|--------|---------|------|-----------------|--------|------------|
|                | d               | D   | B   | C   | max d1 | dk   | min rs | min r1s | a° ~ | Dynamic         | Static |            |
| GEEW12ES*      | 12              | 22  | 12  | 7   | 15.5   | 18   | 0.3    | 0.3     | 4    | 10              | 53     | 0.022      |
| GEEW15ES       | 15              | 26  | 15  | 9   | 18.5   | 22   | 0.3    | 0.3     | 5    | 16              | 84     | 0.031      |
| GEEW16ES       | 16              | 28  | 16  | 9   | 20     | 23   | 0.3    | 0.3     | 4    | 17              | 85     | 0.035      |
| GEEW17ES       | 17              | 30  | 17  | 10  | 21     | 25   | 0.3    | 0.3     | 7    | 21              | 106    | 0.044      |
| GEEW20ES       | 20              | 35  | 20  | 12  | 25     | 29   | 0.3    | 0.3     | 4    | 30              | 146    | 0.071      |
| GEEW25ES       | 25              | 42  | 25  | 16  | 30.5   | 35.5 | 0.6    | 0.6     | 4    | 48              | 240    | 0.131      |
| GEEW30ES       | 30              | 47  | 30  | 18  | 34     | 40.7 | 0.6    | 0.6     | 4    | 62              | 310    | 0.168      |
| GEEW32ES       | 32              | 52  | 32  | 18  | 37     | 43   | 0.6    | 1       | 4    | 65              | 328    | 0.182      |
| GEEW35ES       | 35              | 55  | 35  | 20  | 40     | 47   | 0.6    | 1       | 4    | 79              | 399    | 0.253      |
| GEEW40ES       | 40              | 62  | 40  | 22  | 46     | 53   | 0.6    | 1       | 4    | 99              | 495    | 0.338      |
| GEEW45ES       | 45              | 68  | 45  | 25  | 52     | 60   | 0.6    | 1       | 4    | 127             | 637    | 0.481      |
| GEEW50ES       | 50              | 75  | 50  | 28  | 57     | 66   | 0.6    | 1       | 4    | 156             | 780    | 0.558      |
| GEEW60ES       | 60              | 90  | 60  | 36  | 68     | 80   | 1      | 1       | 4    | 245             | 1220   | 1.15       |
| GEEW63ES       | 63              | 95  | 63  | 36  | 71.5   | 83   | 1      | 1       | 4    | 253             | 1260   | 1.25       |
| GEEW70ES       | 70              | 105 | 70  | 40  | 78     | 92   | 1      | 1       | 4    | 313             | 1560   | 1.71       |
| GEEW80ES       | 80              | 120 | 80  | 45  | 91     | 105  | 1      | 1       | 4    | 400             | 2000   | 2.39       |
| GEEW90ES       | 90              | 130 | 90  | 50  | 99     | 115  | 1      | 1       | 4    | 488             | 2440   | 3.21       |
| GEEW100ES      | 100             | 150 | 100 | 55  | 113    | 130  | 1      | 1       | 4    | 607             | 3030   | 4.79       |
| GEEW110ES      | 110             | 160 | 110 | 55  | 124    | 140  | 1      | 1       | 4    | 654             | 3270   | 5.78       |
| GEEW125ES      | 125             | 180 | 125 | 70  | 138    | 160  | 1      | 1       | 4    | 950             | 4750   | 8.49       |
| GEEW160ES      | 160             | 230 | 160 | 80  | 177    | 200  | 1      | 1       | 4    | 1360            | 6800   | 16.5       |
| GEEW200ES      | 200             | 290 | 200 | 100 | 221    | 250  | 1.1    | 1.1     | 4    | 2120            | 10600  | 32.1       |
| GEEW250ES      | 250             | 400 | 250 | 120 | 317    | 350  | 1.1    | 1.1     | 4    | 3750            | 17800  | 99.1       |
| GEEW320ES      | 320             | 520 | 320 | 160 | 405    | 450  | 1.1    | 1.1     | 4    | 6200            | 30500  | 225        |

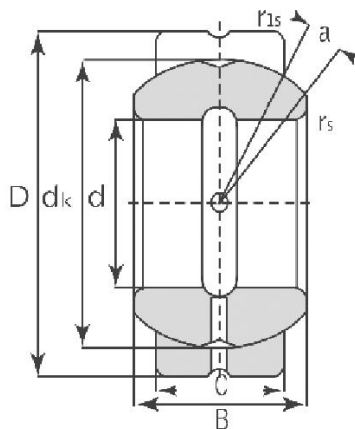
# Spherical Plain Bearing



## GEEM ES-2RS

| Bearing Number | Dimensions (mm) |     |    |    |        |      |        |         |      | Load Ratings kN |        | Weight ~kg |
|----------------|-----------------|-----|----|----|--------|------|--------|---------|------|-----------------|--------|------------|
|                | d               | D   | B  | C  | max d1 | dk   | min rs | min r1s | a° ~ | Dynamic         | Static |            |
| GEEM20ES-2RS   | 20              | 35  | 24 | 12 | 24     | 29   | 0.3    | 0.3     | 6    | 30              | 146    | 0.073      |
| GEEM25ES-2RS   | 25              | 42  | 29 | 16 | 29     | 35.5 | 0.3    | 0.6     | 4    | 48              | 240    | 0.13       |
| GEEM30ES-2RS   | 30              | 47  | 30 | 18 | 34     | 40.7 | 0.3    | 0.6     | 4    | 62              | 310    | 0.17       |
| GEEM35ES-2RS   | 35              | 55  | 35 | 20 | 40     | 47   | 0.6    | 1       | 4    | 79              | 399    | 0.25       |
| GEEM40ES-2RS   | 40              | 62  | 38 | 22 | 45     | 53   | 0.6    | 1       | 4    | 99              | 495    | 0.35       |
| GEEM45ES-2RS   | 45              | 68  | 40 | 25 | 52     | 60   | 0.6    | 1       | 4    | 127             | 637    | 0.49       |
| GEEM50ES-2RS   | 50              | 75  | 43 | 28 | 57     | 66   | 0.6    | 1       | 4    | 156             | 780    | 0.6        |
| GEEM60ES-2RS   | 60              | 90  | 54 | 36 | 68     | 80   | 0.6    | 1       | 3    | 245             | 1220   | 1.15       |
| GEEM70ES-2RS   | 70              | 105 | 65 | 40 | 78     | 92   | 0.6    | 1       | 4    | 313             | 1560   | 1.65       |
| GEEM80ES-2RS   | 80              | 120 | 74 | 45 | 90     | 105  | 0.6    | 1       | 4    | 400             | 2000   | 2.5        |

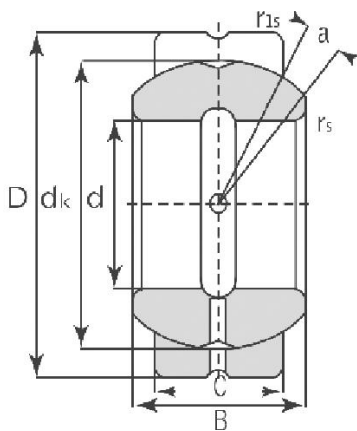
# Spherical Plain Bearing



## GEZ ES / GEZ ES-2RS

| Bearing Number    |                           | Dimensions (inch / mm) |                   |                 |                 |               |               |              |        | Load Ratings kN |        | Weight<br>~ kg |
|-------------------|---------------------------|------------------------|-------------------|-----------------|-----------------|---------------|---------------|--------------|--------|-----------------|--------|----------------|
|                   |                           | d                      | D                 | B               | C               | dk            | min<br>rs     | min<br>r1s   | a<br>~ | Dynamic         | Static |                |
| GEZ008ES<br>SBB8  | GEZ008ES-2RS              | 0.5<br>12.7            | 0.875<br>22.22    | 0.437<br>11.1   | 0.375<br>9.52   | 0.707<br>18   | 0.006<br>0.15 | 0.024<br>0.6 | 6      | 13              | 41     | 0.022          |
| GEZ010ES<br>SBB10 | GEZ010ES-2RS              | 0.625<br>15.87         | 1.0625<br>26.99   | 0.547<br>13.89  | 0.469<br>11.91  | 0.904<br>23   | 0.006<br>0.15 | 0.024<br>0.6 | 6      | 22              | 65     | 0.036          |
| GEZ012ES<br>SBB12 | GEZ012ES-2RS<br>SBB12 2RS | 0.75<br>19.050         | 1.25<br>31.750    | 0.656<br>16.662 | 0.562<br>14.275 | 1.081<br>27.5 | 0.012<br>0.3  | 0.024<br>0.6 | 6      | 31              | 95     | 0.053          |
| GEZ014ES<br>SBB14 | GEZ014ES-2RS<br>SBB14 2RS | 0.875<br>22.225        | 1.4375<br>36.513  | 0.756<br>19.431 | 0.656<br>16.662 | 1.258<br>32   | 0.012<br>0.3  | 0.024<br>0.6 | 6      | 42              | 127    | 0.085          |
| GEZ100ES<br>SBB16 | GEZ100ES 2RS<br>SBB16 2RS | 1<br>25.400            | 1.625<br>41.275   | 0.875<br>22.225 | 0.75<br>19.050  | 1.437<br>36.5 | 0.012<br>0.3  | 0.024<br>0.6 | 6      | 56              | 166    | 0.121          |
| GEZ104ES<br>SBB20 | GEZ104ES 2RS<br>SBB20 2RS | 1.25<br>31.750         | 2<br>50.800       | 1.093<br>27.762 | 0.937<br>23.800 | 1.788<br>45.5 | 0.024<br>0.6  | 0.024<br>0.6 | 6      | 86              | 260    | 0.23           |
| GEZ106ES<br>SBB22 | GEZ106ES 2RS<br>SBB22 2RS | 1.375<br>34.925        | 2.1875<br>55.563  | 1.187<br>30.150 | 1.031<br>26.187 | 1.926<br>49   | 0.024<br>0.6  | 0.04<br>1    | 6      | 102             | 310    | 0.35           |
| GEZ108ES<br>SBB24 | GEZ108ES 2RS<br>SBB24 2RS | 1.5<br>38.100          | 2.4375<br>61.913  | 1.312<br>33.325 | 1.125<br>28.575 | 2.154<br>54.7 | 0.024<br>0.6  | 0.04<br>1    | 6      | 125             | 375    | 0.42           |
| GEZ112ES<br>SBB28 | GEZ44ES-2RS               | 1.75<br>44.450         | 2.8125<br>71.438  | 1.531<br>38.887 | 1.312<br>33.325 | 2.511<br>63.9 | 0.024<br>0.6  | 0.04<br>1    | 6      | 170             | 510    | 0.64           |
| GEZ200ES<br>SBB32 | GEZ200ES 2RS<br>SBB32 2RS | 2<br>50.800            | 3.1875<br>80.963  | 1.75<br>44.450  | 1.5<br>38.100   | 2.869<br>73   | 0.024<br>0.6  | 0.04<br>1    | 6      | 224             | 670    | 0.93           |
| GEZ204ES<br>SBB36 | GEZ204ES 2RS<br>SBB36 2RS | 2.25<br>57.150         | 3.5625<br>90.488  | 1.969<br>50.013 | 1.687<br>42.850 | 3.223<br>82   | 0.024<br>0.6  | 0.04<br>1    | 6      | 280             | 850    | 1.3            |
| GEZ208ES<br>SBB40 | GEZ208ES 2RS<br>SBB40 2RS | 2.5<br>63.500          | 3.9375<br>100.013 | 2.187<br>55.550 | 1.875<br>47.625 | 3.616<br>92   | 0.04<br>1     | 0.04<br>1    | 6      | 355             | 1060   | 1.85           |

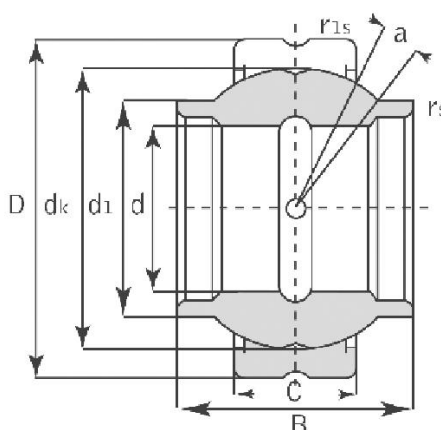
# Spherical Plain Bearing



## GEZ ES / GEZ ES-2RS

| Bearing Number    |                           | Dimensions (inch / mm) |                  |                  |                  |                |           |            |        | Load Ratings kN |        | Weight<br>~ kg |
|-------------------|---------------------------|------------------------|------------------|------------------|------------------|----------------|-----------|------------|--------|-----------------|--------|----------------|
|                   |                           | d                      | D                | B                | C                | dk             | min<br>rs | min<br>r1s | a<br>~ | Dynamic         | Static |                |
| GEZ212ES<br>SBB44 | GEZ212ES 2RS<br>SBB44 2RS | 2.75<br>69.850         | 4.375<br>111.125 | 2.406<br>61.112  | 2.062<br>52.375  | 3.937<br>100   | 0.04<br>1 | 0.04<br>1  | 6      | 415             | 1250   | 2.4            |
| GEZ300ES<br>SBB48 | GEZ300ES 2RS<br>SBB48 2RS | 3<br>76.200            | 4.75<br>120.650  | 2.625<br>66.675  | 2.25<br>57.150   | 4.303<br>109.5 | 0.04<br>1 | 0.04<br>1  | 6      | 500             | 1500   | 3.1            |
| GEZ304ES<br>SBB52 | GEZ304ES 2RS<br>SBB52 2RS | 3.25<br>82.550         | 5.125<br>130.175 | 2.844<br>72.238  | 2.437<br>61.900  | 4.685<br>119   | 0.04<br>1 | 0.04<br>1  | 6      | 585             | 1760   | 3.8            |
| GEZ308ES<br>SBB56 | GEZ308ES 2RS<br>SBB56 2RS | 3.5<br>88.900          | 5.5<br>139.700   | 3.062<br>77.775  | 2.625<br>66.675  | 5.04<br>128    | 0.04<br>1 | 0.04<br>1  | 6      | 680             | 2040   | 4.8            |
| GEZ312ES<br>SBB60 | GEZ312ES 2RS<br>SBB60 2RS | 3.75<br>95.250         | 5.875<br>149.225 | 3.281<br>83.337  | 2.812<br>71.425  | 5.393<br>137   | 0.04<br>1 | 0.04<br>1  | 6      | 780             | 2360   | 5.8            |
| GEZ400ES<br>SBB64 | GEZ400ES 2RS<br>SBB64 2RS | 4<br>101.600           | 6.25<br>158.750  | 3.5<br>88.900    | 3<br>76.200      | 5.748<br>146   | 0.04<br>1 | 0.04<br>1  | 6      | 900             | 2650   | 7              |
| SBB68             | SBB68-2RS                 | 4.25<br>107.950        | 6.625<br>168.275 | 3.719<br>94.463  | 3.187<br>80.950  | 6.102<br>155   | 0.04<br>1 | 0.04<br>1  | 6      | 1000            | 3000   | 8.41           |
| GEZ408ES<br>SBB72 | GEZ408ES 2RS<br>SBB72 2RS | 4.5<br>114.300         | 7<br>177.800     | 3.937<br>100.013 | 3.375<br>85.725  | 6.476<br>164.5 | 0.04<br>1 | 0.04<br>1  | 6      | 1120            | 3400   | 9.8            |
| GEZ412ES<br>SBB76 | GEZ412ES 2RS<br>SBB76 2RS | 4.75<br>120.650        | 7.375<br>187.325 | 4.156<br>105.562 | 3.562<br>90.475  | 6.83<br>173.5  | 0.04<br>1 | 0.04<br>1  | 6      | 1250            | 3750   | 11.5           |
| GEZ500ES<br>SBB80 | GEZ500ES 2RS<br>SBB80 2RS | 5<br>127.000           | 7.75<br>196.850  | 4.375<br>111.125 | 3.75<br>95.250   | 7.204<br>183   | 0.04<br>1 | 0.04<br>1  | 6      | 1400            | 4150   | 13.5           |
| GEZ600ES<br>SBB96 | GEZ600ES 2RS<br>SBB96 2RS | 6<br>152.400           | 8.75<br>222.250  | 4.75<br>120.65   | 4.125<br>104.775 | 8.15<br>207    | 0.04<br>1 | 0.04<br>1  | 5      | 1730            | 5200   | 17.5           |

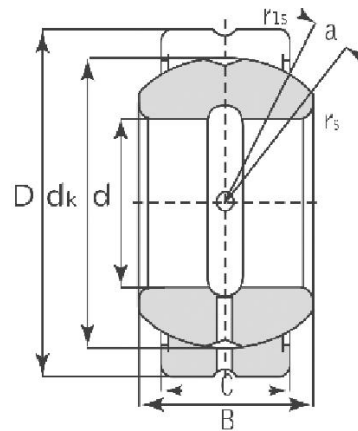
# Spherical Plain Bearing



## GEWZ ES / GEWZ ES-2RS

| Bearing Number |               | Dimensions (inch / mm) |                   |                  |                  |                  |                |               |              |        | Load Ratings kN |        | Weight |
|----------------|---------------|------------------------|-------------------|------------------|------------------|------------------|----------------|---------------|--------------|--------|-----------------|--------|--------|
|                |               | d                      | D                 | B                | C                | max<br>d1        | dk             | min<br>rs     | min<br>r1s   | a<br>~ | Dynamic         | Static | ~kg    |
| GEWZ 12 ES     |               | 0.5<br>12.7            | 0.875<br>22.225   | 0.75<br>19.05    | 0.375<br>9.525   | 0.625<br>15.875  | 0.719<br>18    | 0.006<br>0.15 | 0.024<br>0.6 | 5      | 13              | 41     | 0.024  |
| GEWZ15ES       |               | 0.625<br>15.875        | 1.0625<br>26.988  | 0.937<br>23.8    | 0.469<br>11.913  | 0.78<br>19.812   | 0.899<br>23    | 0.006<br>0.15 | 0.024<br>0.6 | 5      | 22              | 65     | 0.038  |
| GEWZ19ES       | GEWZ19ES-2RS  | 0.75<br>19.05          | 1.25<br>31.75     | 1.125<br>28.575  | 0.562<br>14.275  | 0.92<br>23.368   | 1.08<br>27.5   | 0.012<br>0.3  | 0.024<br>0.6 | 5      | 31              | 95     | 0.064  |
| GEWZ22ES       | GEWZ22ES-2RS  | 0.875<br>22.225        | 1.4375<br>36.513  | 1.312<br>33.325  | 0.656<br>16.662  | 1.07<br>27.178   | 1.258<br>32    | 0.012<br>0.3  | 0.024<br>0.6 | 5      | 42              | 127    | 0.098  |
| GEWZ25ES       | GEWZ25ES-2RS  | 1<br>25.4              | 1.625<br>41.275   | 1.5<br>38.1      | 0.75<br>19.05    | 1.22<br>30.988   | 1.437<br>36.5  | 0.012<br>0.3  | 0.024<br>0.6 | 5      | 56              | 166    | 0.142  |
| GEWZ31ES       | GEWZ31ES-2RS  | 1.25<br>31.75          | 2<br>50.8         | 1.875<br>47.625  | 0.937<br>23.8    | 1.525<br>38.735  | 1.795<br>45.5  | 0.024<br>0.6  | 0.024<br>0.6 | 5      | 86              | 260    | 0.271  |
| GEWZ34ES       | GEWZ34ES-2RS  | 1.375<br>34.925        | 2.1875<br>55.563  | 2.062<br>52.375  | 1.031<br>26.187  | 1.67<br>42.418   | 1.937<br>49    | 0.024<br>0.6  | 0.04<br>1    | 5      | 102             | 310    | 0.373  |
| GEWZ38ES       | GEWZ38ES-2RS  | 1.5<br>38.1            | 2.4375<br>61.913  | 2.25<br>57.15    | 1.125<br>28.575  | 1.85<br>46.99    | 2.155<br>54.7  | 0.024<br>0.6  | 0.04<br>1    | 5      | 125             | 375    | 0.494  |
| GEWZ44ES       | GEWZ44ES-2RS  | 1.75<br>44.45          | 2.8125<br>71.438  | 2.625<br>66.675  | 1.312<br>33.325  | 2.165<br>54.991  | 2.515<br>63.9  | 0.024<br>0.6  | 0.04<br>1    | 5      | 170             | 510    | 0.762  |
| GEWZ50ES       | GEWZ50ES-2RS  | 2<br>50.8              | 3.1875<br>80.963  | 3<br>76.2        | 1.5<br>38.1      | 2.46<br>62.484   | 2.875<br>73    | 0.024<br>0.6  | 0.04<br>1    | 5      | 224             | 670    | 1.11   |
| GEWZ57ES       | GEWZ57ES-2RS  | 2.25<br>57.15          | 3.5625<br>90.488  | 3.375<br>85.725  | 1.687<br>42.85   | 2.76<br>70.104   | 3.235<br>82    | 0.024<br>0.6  | 0.04<br>1    | 5      | 280             | 850    | 1.57   |
| GEWZ63ES       | GEWZ63ES-2RS  | 2.5<br>63.5            | 3.9375<br>100.013 | 3.75<br>95.25    | 1.875<br>47.625  | 3.06<br>77.724   | 3.59<br>92     | 0.04<br>1     | 0.04<br>1    | 5      | 355             | 1060   | 2.15   |
| GEWZ69ES       | GEWZ69ES-2RS  | 2.75<br>69.85          | 4.375<br>111.125  | 4.125<br>104.775 | 2.062<br>52.375  | 3.38<br>85.852   | 3.95<br>100    | 0.04<br>1     | 0.04<br>1    | 5      | 415             | 1250   | 2.9    |
| GEWZ76ES       | GEWZ76ES-2RS  | 3<br>76.2              | 4.75<br>120.65    | 4.5<br>114.3     | 2.25<br>57.15    | 3.675<br>93.345  | 4.312<br>109.5 | 0.04<br>1     | 0.04<br>1    | 5      | 500             | 1500   | 3.59   |
| GEWZ82ES       | GEWZ82ES-2RS  | 3.25<br>82.55          | 5.125<br>130.175  | 4.875<br>123.825 | 2.437<br>61.9    | 3.985<br>101.219 | 4.675<br>119   | 0.04<br>1     | 0.04<br>1    | 5      | 585             | 1760   | 4.69   |
| GEWZ88ES       | GEWZ88ES-2RS  | 3.5<br>88.9            | 5.5<br>139.7      | 5.25<br>133.35   | 2.625<br>66.675  | 4.3<br>109.22    | 5.04<br>128    | 0.04<br>1     | 0.04<br>1    | 5      | 680             | 2040   | 5.86   |
| GEWZ95ES       | GEWZ95ES-2RS  | 3.75<br>95.25          | 5.875<br>149.225  | 5.625<br>142.875 | 2.812<br>71.425  | 4.59<br>116.586  | 5.39<br>137    | 0.04<br>1     | 0.04<br>1    | 5      | 780             | 2360   | 7.11   |
| GEWZ101ES      | GEWZ101ES-2RS | 4<br>101.6             | 6.25<br>158.75    | 6<br>152.4       | 3<br>76.2        | 4.905<br>124.587 | 5.75<br>146    | 0.04<br>1     | 0.04<br>1    | 5      | 900             | 2650   | 8.56   |
| GEWZ114ES      | GEWZ114ES-2RS | 4.5<br>114.3           | 7<br>177.8        | 6.75<br>171.45   | 3.375<br>85.725  | 5.525<br>140.335 | 6.475<br>164.5 | 0.04<br>1     | 0.04<br>1    | 5      | 1120            | 3400   | 12.24  |
| GEWZ127ES      | GEWZ127ES-2RS | 5<br>127               | 7.75<br>196.85    | 7.5<br>190.5     | 3.75<br>95.25    | 6.13<br>155.705  | 7.19<br>183    | 0.04<br>1     | 0.04<br>1    | 5      | 1400            | 4150   | 16.63  |
| GEWZ152ES      | GEWZ152ES-2RS | 6<br>152.4             | 8.75<br>222.25    | 8.25<br>209.55   | 4.125<br>104.775 | 7.02<br>178.308  | 8.156<br>207   | 0.04<br>1     | 0.04<br>1    | 5      | 1730            | 5200   | 20.7   |

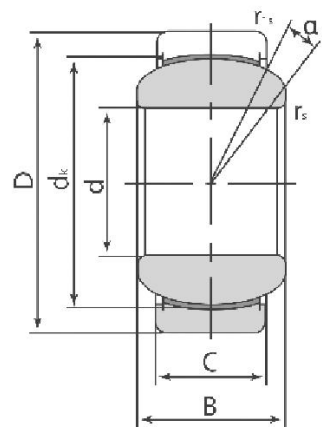
# Spherical Plain Bearing



## GEGZ ES / GEGZ ES-2RS

| Bearing Number |               | Dimensions (inch / mm) |                   |                  |                  |                |              |            |         | Load Ratings kN |        | Weight |
|----------------|---------------|------------------------|-------------------|------------------|------------------|----------------|--------------|------------|---------|-----------------|--------|--------|
|                |               | d                      | D                 | B                | C                | dk             | min<br>rs    | min<br>r1s | α°<br>~ | Dynamic         | Static | ~kg    |
| GEGZ31ES       | GEGZ31ES-2RS  | 1.25<br>31.75          | 2.4375<br>61.913  | 1.39<br>35.306   | 1.125<br>28.575  | 2.155<br>54.7  | 0.024<br>0.6 | 0.04<br>1  | 15      | 125             | 375    | 0.454  |
| GEGZ38ES       | GEGZ38ES-2RS  | 1.5<br>38.1            | 2.8125<br>71.438  | 1.58<br>40.132   | 1.312<br>33.325  | 2.515<br>63.9  | 0.024<br>0.6 | 0.04<br>1  | 14      | 170             | 510    | 0.726  |
| GEGZ44ES       | GEGZ44ES-2RS  | 1.75<br>44.45          | 3.1875<br>80.963  | 1.82<br>46.228   | 1.5<br>38.1      | 2.875<br>73    | 0.024<br>0.6 | 0.04<br>1  | 14      | 224             | 670    | 1.14   |
| GEGZ50ES       | GEGZ50ES-2RS  | 2<br>50.8              | 3.5625<br>90.488  | 2.07<br>52.578   | 1.687<br>42.85   | 3.235<br>82    | 0.024<br>0.6 | 0.04<br>1  | 14      | 280             | 850    | 1.68   |
| GEGZ57ES       | GEGZ57ES-2RS  | 2.25<br>57.15          | 3.9375<br>100.013 | 2.318<br>58.877  | 1.875<br>47.625  | 3.59<br>92     | 0.024<br>0.6 | 0.04<br>1  | 14      | 355             | 1060   | 2.01   |
| GEGZ63ES       | GEGZ63ES-2RS  | 2.5<br>63.5            | 4.375<br>111.125  | 2.545<br>64.643  | 2.062<br>52.375  | 3.95<br>100    | 0.04<br>1    | 0.04<br>1  | 14      | 415             | 1250   | 2.95   |
| GEGZ69ES       | GEGZ69ES-2RS  | 2.75<br>69.85          | 4.75<br>120.65    | 2.79<br>70.866   | 2.25<br>57.15    | 4.312<br>109.5 | 0.04<br>1    | 0.04<br>1  | 14      | 500             | 1500   | 3.63   |
| GEGZ76ES       | GEGZ76ES-2RS  | 3<br>76.2              | 5.125<br>130.175  | 3.022<br>76.759  | 2.437<br>61.9    | 4.675<br>119   | 0.04<br>1    | 0.04<br>1  | 14      | 585             | 1760   | 4.36   |
| GEGZ82ES       | GEGZ82ES-2RS  | 3.25<br>82.55          | 5.5<br>139.7      | 3.265<br>82.931  | 2.625<br>66.675  | 5.04<br>128    | 0.04<br>1    | 0.04<br>1  | 14      | 680             | 2040   | 5.31   |
| GEGZ88ES       | GEGZ88ES-2RS  | 3.5<br>88.9            | 5.875<br>149.225  | 3.56<br>90.424   | 2.812<br>71.425  | 5.39<br>137    | 0.04<br>1    | 0.04<br>1  | 14      | 780             | 2360   | 6.81   |
| GEGZ95ES       | GEGZ95ES-2RS  | 3.75<br>95.25          | 6.25<br>158.75    | 3.738<br>94.945  | 3<br>76.2        | 5.75<br>146    | 0.04<br>1    | 0.04<br>1  | 14      | 900             | 2650   | 8.85   |
| GEGZ101ES      | GEGZ101ES-2RS | 4<br>101.6             | 7<br>177.8        | 4.225<br>107.315 | 3.375<br>85.725  | 6.475<br>164.5 | 0.04<br>1    | 0.04<br>1  | 10      | 1120            | 3400   | 10.2   |
| GEGZ114ES      | GEGZ114ES-2RS | 4.5<br>114.3           | 7.75<br>196.85    | 4.69<br>119.126  | 3.75<br>95.25    | 7.19<br>183    | 0.04<br>1    | 0.04<br>1  | 10      | 1400            | 4150   | 13.6   |
| GEGZ139ES      | GEGZ139ES-2RS | 5.5<br>139.7           | 8.75<br>222.25    | 4.95<br>125.73   | 4.125<br>104.775 | 8.156<br>207   | 0.04<br>1    | 0.04<br>1  | 9       | 1730            | 5200   | 20.4   |

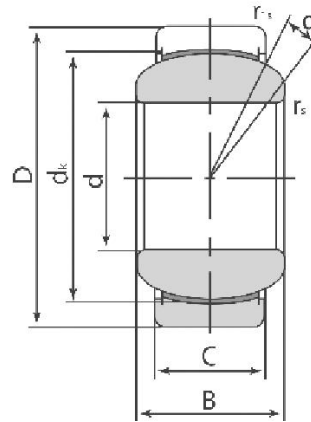
# Spherical Plain Bearing



## GE & GEG..C

| Bearing Number | Dimensions (mm) |    |    |    |      |           |            |                     | Load Ratings kN |        | Weight |
|----------------|-----------------|----|----|----|------|-----------|------------|---------------------|-----------------|--------|--------|
|                | d               | D  | B  | C  | dk   | min<br>rs | min<br>r1s | a <sup>+</sup><br>~ | Dynamic         | Static | ~kg    |
| GE4C           | 4               | 12 | 5  | 3  | 8    | 0.3       | 0.3        | 16                  | 2.1             | 5.4    | 0.003  |
| GE5C           | 5               | 14 | 6  | 4  | 10   | 0.3       | 0.3        | 13                  | 3.6             | 9.1    | 0.005  |
| GE6C           | 6               | 14 | 6  | 4  | 10   | 0.3       | 0.3        | 13                  | 3.6             | 9.1    | 0.004  |
| GE8C           | 8               | 16 | 8  | 5  | 13   | 0.3       | 0.3        | 15                  | 5.8             | 14     | 0.008  |
| GE10C          | 10              | 19 | 9  | 6  | 16   | 0.3       | 0.3        | 12                  | 8.6             | 21     | 0.011  |
| GE12C          | 12              | 22 | 10 | 7  | 18   | 0.3       | 0.3        | 10                  | 11              | 28     | 0.015  |
| GE15C          | 15              | 26 | 12 | 9  | 22   | 0.3       | 0.3        | 8                   | 18              | 45     | 0.027  |
| GE17C          | 17              | 30 | 14 | 10 | 25   | 0.3       | 0.3        | 10                  | 22              | 56     | 0.041  |
| GE20C          | 20              | 35 | 16 | 12 | 29   | 0.3       | 0.3        | 9                   | 31              | 78     | 0.066  |
| GE25C          | 25              | 42 | 20 | 16 | 35.5 | 0.6       | 0.6        | 7                   | 51              | 127    | 0.119  |
| GE30C          | 30              | 47 | 22 | 18 | 40.7 | 0.6       | 0.6        | 6                   | 65              | 166    | 0.163  |
| GEG4C          | 4               | 14 | 7  | 4  | 10   | 0.3       | 0.3        | 20                  | 3.6             | 9.1    | 0.005  |
| GEG5C          | 5               | 16 | 9  | 5  | 13   | 0.3       | 0.3        | 21                  | 5.8             | 14     | 0.008  |
| GEG6C          | 6               | 16 | 9  | 5  | 13   | 0.3       | 0.3        | 21                  | 5.8             | 14     | 0.006  |
| GEG8C          | 8               | 19 | 11 | 6  | 16   | 0.3       | 0.3        | 21                  | 8.6             | 21     | 0.014  |
| GEG10C         | 10              | 22 | 12 | 7  | 18   | 0.3       | 0.3        | 18                  | 11              | 28     | 0.021  |
| GEG12C         | 12              | 26 | 15 | 9  | 22   | 0.3       | 0.3        | 18                  | 18              | 45     | 0.033  |
| GEG15C         | 15              | 30 | 16 | 10 | 25   | 0.3       | 0.3        | 16                  | 22              | 56     | 0.049  |
| GEG17C         | 17              | 35 | 20 | 12 | 29   | 0.3       | 0.3        | 19                  | 31              | 78     | 0.083  |
| GEG20C         | 20              | 42 | 25 | 16 | 35.5 | 0.3       | 0.3        | 17                  | 51              | 127    | 0.153  |
| GEG25C         | 25              | 47 | 28 | 18 | 40.7 | 0.6       | 0.6        | 17                  | 65              | 166    | 0.203  |
| GEG30C         | 30              | 55 | 32 | 20 | 47   | 0.6       | 0.6        | 17                  | 83              | 212    | 0.304  |

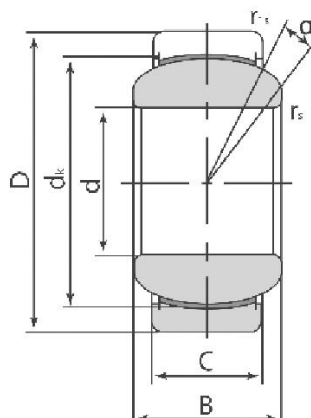
# Spherical Plain Bearing



## GE ET/2RS - GE XT/2RS

| Bearing Number |               | Dimensions (mm) |     |     |     |      |           |            |        | Load Ratings kN |        | Weight<br>~kg |
|----------------|---------------|-----------------|-----|-----|-----|------|-----------|------------|--------|-----------------|--------|---------------|
|                |               | d               | D   | B   | C   | dk   | min<br>rs | min<br>r1s | a<br>~ | Dynamic         | Static |               |
| GE15ET         | GE 15 ET 2RS  | 15              | 26  | 12  | 9   | 22   | 0.3       | 0.3        | 8      | 25              | 50     | 0.027         |
| GE17ET         | GE 17 ET 2RS  | 17              | 30  | 14  | 10  | 25   | 0.3       | 0.3        | 10     | 32              | 64     | 0.041         |
| GE20ET         | GE 20 ET 2RS  | 20              | 35  | 16  | 12  | 29   | 0.3       | 0.3        | 9      | 45              | 90     | 0.066         |
| GE25ET         | GE 25 ET 2RS  | 25              | 42  | 20  | 16  | 35.5 | 0.6       | 0.6        | 7      | 85              | 170    | 0.119         |
| GE30ET         | GE 30 ET 2RS  | 30              | 47  | 22  | 18  | 40.7 | 0.6       | 0.6        | 6      | 110             | 220    | 0.153         |
| GE35ET         | GE 35 ET 2RS  | 35              | 55  | 25  | 20  | 47   | 0.6       | 1          | 6      | 140             | 280    | 0.233         |
| GE40ET         | GE 40 ET 2RS  | 40              | 62  | 28  | 22  | 53   | 0.6       | 1          | 7      | 175             | 350    | 0.306         |
| GE45ET         | GE 45 ET 2RS  | 45              | 68  | 32  | 25  | 60   | 0.6       | 1          | 7      | 225             | 450    | 0.427         |
| GE50ET         | GE 50 ET 2RS  | 50              | 75  | 35  | 28  | 66   | 0.6       | 1          | 6      | 275             | 550    | 0.546         |
| GE55ET         | GE 55 ET 2RS  | 55              | 85  | 40  | 32  | 74   | 0.6       | 1          | 7      | 355             | 710    | 0.939         |
| GE60ET         | GE 60 ET 2RS  | 60              | 90  | 44  | 36  | 80   | 1         | 1          | 6      | 430             | 860    | 1.04          |
| GE70ET         | GE 70 ET 2RS  | 70              | 105 | 49  | 40  | 92   | 1         | 1          | 6      | 550             | 1100   | 1.55          |
| GE80ET         | GE 80 ET 2RS  | 80              | 120 | 55  | 45  | 105  | 1         | 1          | 6      | 705             | 1410   | 2.31          |
| GE90ET         | GE 90 ET 2RS  | 90              | 130 | 60  | 50  | 115  | 1         | 1          | 5      | 860             | 1720   | 2.75          |
| GE100ET        | GE 100 ET 2RS | 100             | 150 | 70  | 55  | 130  | 1         | 1          | 7      | 1070            | 2140   | 4.45          |
| GE110ET        | GE 110 ET 2RS | 110             | 160 | 70  | 55  | 140  | 1         | 1          | 6      | 1150            | 2300   | 4.82          |
| GE120ET        | GE 120 ET 2RS | 120             | 180 | 85  | 70  | 160  | 1         | 1          | 6      | 1680            | 3360   | 8.05          |
| GE140XT        | GE 140 XT 2RS | 140             | 210 | 90  | 70  | 180  | 1         | 1          | 7      | 1890            | 3780   | 11.02         |
| GE160XT        | GE 160 XT 2RS | 160             | 230 | 105 | 80  | 200  | 1         | 1          | 8      | 2400            | 4800   | 14.01         |
| GE180XT        | GE 180 XT 2RS | 180             | 260 | 105 | 80  | 225  | 1.1       | 1.1        | 6      | 2700            | 5400   | 18.65         |
| GE200XT        | GE 200 XT 2RS | 200             | 290 | 130 | 100 | 250  | 1.1       | 1.1        | 7      | 3750            | 7500   | 28.03         |
| GE220XT        | GE 220 XT 2RS | 220             | 320 | 135 | 100 | 275  | 1.1       | 1.1        | 8      | 4120            | 8240   | 35.51         |
| GE240XT        | GE 240 XT 2RS | 220             | 320 | 135 | 100 | 275  | 1.1       | 1.1        | 8      | 4120            | 8240   | 35.51         |
| GE260XT        | GE 260 XT 2RS | 260             | 370 | 150 | 110 | 325  | 1.1       | 1.1        | 7      | 5360            | 10720  | 51.54         |
| GE280XT        | GE 280 XT 2RS | 280             | 400 | 155 | 120 | 350  | 1.1       | 1.1        | 6      | 6300            | 12600  | 65.06         |
| GE300XT        | GE 300 XT 2RS | 300             | 430 | 165 | 120 | 375  | 1.1       | 1.1        | 7      | 6750            | 13500  | 78.07         |

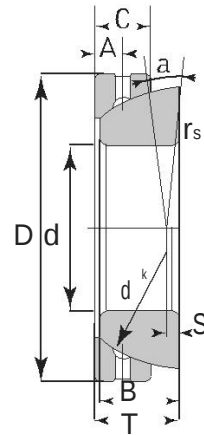
# Spherical Plain Bearing



## GEZ ET-2RS

| Bearing Number | Dimensions (inch / mm) |                         |                        |                        |                      |                    |                    |         | Load Ratings kN |        | Weight<br>~kg |
|----------------|------------------------|-------------------------|------------------------|------------------------|----------------------|--------------------|--------------------|---------|-----------------|--------|---------------|
|                | d                      | D                       | B                      | C                      | dk                   | min<br>rs          | min<br>r1s         | a°<br>~ | Dynamic         | Static |               |
| GEZ19ET-2RS    | 0.75 / <b>19.05</b>    | 1.25 / <b>31.75</b>     | 0.656 / <b>16.662</b>  | 0.562 / <b>14.275</b>  | 1.081 / <b>27.5</b>  | 0.012 / <b>0.3</b> | 0.024 / <b>0.6</b> | 6       | 50              | 100    | 0.053         |
| GEZ22ET-2RS    | 0.875 / <b>22.225</b>  | 1.4375 / <b>36.513</b>  | 0.756 / <b>19.431</b>  | 0.656 / <b>16.662</b>  | 1.258 / <b>32</b>    | 0.012 / <b>0.3</b> | 0.024 / <b>0.6</b> | 6       | 69              | 138    | 0.085         |
| GEZ25ET-2RS    | 1 / <b>25.4</b>        | 1.625 / <b>41.275</b>   | 0.875 / <b>22.225</b>  | 0.75 / <b>19.05</b>    | 1.437 / <b>36.5</b>  | 0.012 / <b>0.3</b> | 0.024 / <b>0.6</b> | 6       | 104             | 208    | 0.121         |
| GEZ31ET-2RS    | 1.25 / <b>31.75</b>    | 2 / <b>50.8</b>         | 1.093 / <b>27.762</b>  | 0.937 / <b>23.8</b>    | 1.788 / <b>45.5</b>  | 0.024 / <b>0.6</b> | 0.024 / <b>0.6</b> | 6       | 160             | 320    | 0.23          |
| GEZ34ET-2RS    | 1.375 / <b>34.925</b>  | 2.1875 / <b>55.563</b>  | 1.187 / <b>30.15</b>   | 1.031 / <b>26.187</b>  | 1.926 / <b>49</b>    | 0.024 / <b>0.6</b> | 0.04 / <b>1</b>    | 6       | 190             | 380    | 0.35          |
| GEZ38ET-2RS    | 1.5 / <b>38.1</b>      | 2.4375 / <b>61.913</b>  | 1.312 / <b>33.325</b>  | 1.125 / <b>28.575</b>  | 2.154 / <b>54.7</b>  | 0.024 / <b>0.6</b> | 0.04 / <b>1</b>    | 6       | 235             | 470    | 0.42          |
| GEZ44ET-2RS    | 1.75 / <b>44.45</b>    | 2.8125 / <b>71.438</b>  | 1.531 / <b>38.887</b>  | 1.312 / <b>33.325</b>  | 2.511 / <b>63.9</b>  | 0.024 / <b>0.6</b> | 0.04 / <b>1</b>    | 6       | 320             | 640    | 0.64          |
| GEZ50ET-2RS    | 2 / <b>50.8</b>        | 3.1875 / <b>80.963</b>  | 1.75 / <b>44.45</b>    | 1.5 / <b>38.1</b>      | 2.869 / <b>73</b>    | 0.024 / <b>0.6</b> | 0.04 / <b>1</b>    | 6       | 415             | 830    | 0.93          |
| GEZ57ET-2RS    | 2.25 / <b>57.15</b>    | 3.5625 / <b>90.488</b>  | 1.969 / <b>50.013</b>  | 1.687 / <b>42.85</b>   | 3.223 / <b>82</b>    | 0.024 / <b>0.6</b> | 0.04 / <b>1</b>    | 6       | 525             | 1050   | 1.3           |
| GEZ63ET-2RS    | 2.5 / <b>63.5</b>      | 3.9375 / <b>100.013</b> | 2.187 / <b>55.55</b>   | 1.875 / <b>47.625</b>  | 3.616 / <b>92</b>    | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 655             | 1310   | 1.85          |
| GEZ69ET-2RS    | 2.75 / <b>69.85</b>    | 4.375 / <b>111.125</b>  | 2.406 / <b>61.112</b>  | 2.062 / <b>52.375</b>  | 3.937 / <b>100</b>   | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 785             | 1570   | 2.4           |
| GEZ76ET-2RS    | 3 / <b>76.2</b>        | 4.75 / <b>120.65</b>    | 2.625 / <b>66.675</b>  | 2.25 / <b>57.15</b>    | 4.303 / <b>109.5</b> | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 935             | 1870   | 3.1           |
| GEZ82ET-2RS    | 3.25 / <b>82.55</b>    | 5.125 / <b>130.175</b>  | 2.844 / <b>72.238</b>  | 2.437 / <b>61.9</b>    | 4.685 / <b>119</b>   | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 1100            | 2200   | 3.8           |
| GEZ88ET-2RS    | 3.5 / <b>88.9</b>      | 5.5 / <b>139.7</b>      | 3.062 / <b>77.775</b>  | 2.625 / <b>66.675</b>  | 5.04 / <b>128</b>    | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 1280            | 2560   | 4.8           |
| GEZ95ET-2RS    | 3.75 / <b>95.25</b>    | 5.875 / <b>149.225</b>  | 3.281 / <b>83.337</b>  | 2.812 / <b>71.425</b>  | 5.393 / <b>137</b>   | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 1460            | 2920   | 5.8           |
| GEZ101ET-2RS   | 4 / <b>101.6</b>       | 6.25 / <b>158.75</b>    | 3.5 / <b>88.9</b>      | 3 / <b>76.2</b>        | 5.748 / <b>146</b>   | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 1660            | 3320   | 7             |
| GEZ107ET-2RS   | 4.25 / <b>107.95</b>   | 6.625 / <b>168.275</b>  | 3.719 / <b>94.463</b>  | 3.187 / <b>80.95</b>   | 6.102 / <b>155</b>   | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 1880            | 3760   | 8.41          |
| GEZ114ET-2RS   | 4.5 / <b>114.3</b>     | 7 / <b>177.8</b>        | 3.937 / <b>100.013</b> | 3.375 / <b>85.725</b>  | 6.476 / <b>164.5</b> | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 2110            | 4220   | 9.8           |
| GEZ120ET-2RS   | 4.75 / <b>120.65</b>   | 7.375 / <b>187.325</b>  | 4.156 / <b>105.562</b> | 3.562 / <b>90.475</b>  | 6.83 / <b>173.5</b>  | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 2350            | 4700   | 11.5          |
| GEZ127ET-2RS   | 5 / <b>127</b>         | 7.75 / <b>196.85</b>    | 4.375 / <b>111.125</b> | 3.75 / <b>95.25</b>    | 7.204 / <b>183</b>   | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 6       | 2610            | 5220   | 13.5          |
| GEZ152ET-2RS   | 6 / <b>152.4</b>       | 8.75 / <b>222.25</b>    | 4.75 / <b>120.65</b>   | 4.125 / <b>104.775</b> | 8.15 / <b>207</b>    | 0.04 / <b>1</b>    | 0.04 / <b>1</b>    | 5       | 3250            | 6500   | 17.5          |

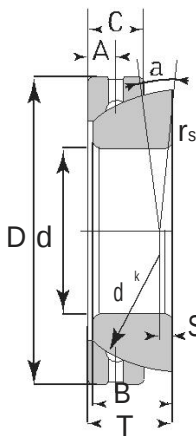
# Spherical Plain Bearing



## GACZ S

| Bearing<br>Number | Dimensions (inch / mm) |                  |              |               |               |                |              |               |               |         | Load Ratings kN |        | Weight<br>~kg |
|-------------------|------------------------|------------------|--------------|---------------|---------------|----------------|--------------|---------------|---------------|---------|-----------------|--------|---------------|
|                   | d                      | D                | B            | C             | T             | dk             | S            | A             | max<br>rs rls | a°<br>~ | Dynamic         | Static |               |
| GACZ 12 S         | 0.5 / 12.7             | 0.875 / 22.225   | 0.27 / 6.86  | 0.19 / 4.83   | 0.3 / 7.62    | 0.719 / 18.26  | 0.051 / 1.3  | 0.094 / 2.39  | 0.02 / 0.51   | 7       | 6               | 18     | 0.013         |
| GACZ 15 S         | 0.625 / 15.875         | 1.0625 / 26.988  | 0.34 / 8.64  | 0.25 / 6.35   | 0.37 / 9.4    | 0.899 / 22.83  | 0.058 / 1.48 | 0.109 / 2.77  | 0.03 / 0.76   | 6       | 10              | 31     | 0.025         |
| GACZ 19 S         | 0.75 / 19.05           | 1.25 / 31.75     | 0.41 / 10.41 | 0.31 / 7.87   | 0.44 / 11.18  | 1.08 / 27.43   | 0.07 / 1.79  | 0.125 / 3.18  | 0.04 / 1      | 6       | 16              | 47     | 0.038         |
| GACZ 22 S         | 0.875 / 22.225         | 1.4375 / 36.512  | 0.48 / 12.19 | 0.38 / 9.65   | 0.52 / 13.21  | 1.258 / 31.95  | 0.08 / 2.02  | 0.172 / 4.37  | 0.08 / 2      | 5.5     | 22              | 66     | 0.049         |
| GACZ 25 S         | 1 / 25.4               | 1.625 / 41.275   | 0.55 / 13.97 | 0.44 / 11.18  | 0.6 / 15.24   | 1.437 / 36.5   | 0.1 / 2.54   | 0.203 / 5.16  | 0.08 / 2      | 6       | 29              | 87     | 0.085         |
| GACZ 31 S         | 1.25 / 31.75           | 2 / 50.8         | 0.7 / 17.78  | 0.55 / 13.97  | 0.74 / 18.8   | 1.795 / 45.59  | 0.132 / 3.36 | 0.234 / 5.94  | 0.08 / 2      | 6       | 47              | 142    | 0.159         |
| GACZ 34 S         | 1.375 / 34.925         | 2.1875 / 55.562  | 0.77 / 19.56 | 0.6 / 15.24   | 0.84 / 21.34  | 1.937 / 49.2   | 0.145 / 3.69 | 0.281 / 7.14  | 0.1 / 2.54    | 4       | 53              | 159    | 0.213         |
| GACZ 38 S         | 1.5 / 38.1             | 2.4375 / 61.912  | 0.84 / 21.34 | 0.66 / 16.76  | 0.91 / 23.11  | 2.155 / 54.74  | 0.155 / 3.93 | 0.312 / 7.92  | 0.1 / 2.54    | 5.5     | 66              | 197    | 0.301         |
| GACZ 44 S         | 1.75 / 44.45           | 2.8125 / 71.438  | 0.98 / 24.89 | 0.79 / 20.07  | 1.07 / 27.18  | 2.515 / 63.88  | 0.186 / 4.72 | 0.328 / 8.33  | 0.1 / 2.54    | 6       | 91              | 273    | 0.458         |
| GACZ 50 S         | 2 / 50.8               | 3.1875 / 80.962  | 1.13 / 28.7  | 0.92 / 23.37  | 1.23 / 31.24  | 2.875 / 73.02  | 0.217 / 5.51 | 0.375 / 9.52  | 0.14 / 3.56   | 5.5     | 122             | 365    | 0.671         |
| GACZ 57 S         | 2.25 / 57.15           | 3.5625 / 90.488  | 1.27 / 32.26 | 1.05 / 26.67  | 1.39 / 35.31  | 3.235 / 82.17  | 0.243 / 6.18 | 0.453 / 11.51 | 0.14 / 3.56   | 5.5     | 155             | 466    | 0.948         |
| GACZ 63 S         | 2.5 / 63.5             | 3.9375 / 100.013 | 1.42 / 36.07 | 1.18 / 29.97  | 1.54 / 39.12  | 3.59 / 91.19   | 0.267 / 6.79 | 0.5 / 12.7    | 0.14 / 3.56   | 5       | 196             | 589    | 1.13          |
| GACZ 69 S         | 2.75 / 69.85           | 4.375 / 111.125  | 1.56 / 39.62 | 1.275 / 32.38 | 1.7 / 43.18   | 3.95 / 100.33  | 0.294 / 7.46 | 0.515 / 13.08 | 0.18 / 4.6    | 5       | 231             | 694    | 1.75          |
| GACZ 76 S         | 3 / 76.2               | 4.75 / 120.65    | 1.71 / 43.43 | 1.405 / 35.69 | 1.86 / 47.24  | 4.312 / 109.52 | 0.322 / 8.17 | 0.578 / 14.68 | 0.18 / 4.6    | 5       | 279             | 838    | 2.28          |
| GACZ 82 S         | 3.25 / 82.55           | 5.125 / 130.175  | 1.86 / 47.24 | 1.545 / 39.24 | 2.03 / 51.56  | 4.675 / 118.74 | 0.356 / 9.04 | 0.656 / 16.66 | 0.18 / 4.6    | 5       | 332             | 995    | 2.89          |
| GACZ 88 S         | 3.5 / 88.9             | 5.5 / 139.7      | 2 / 50.8     | 1.675 / 42.54 | 2.18 / 55.37  | 5.04 / 128.02  | 0.374 / 9.51 | 0.703 / 17.86 | 0.18 / 4.6    | 5       | 389             | 1167   | 3.57          |
| GACZ 95 S         | 3.75 / 95.25           | 5.875 / 149.225  | 2.15 / 54.61 | 1.805 / 45.85 | 2.34 / 59.44  | 5.39 / 136.91  | 0.398 / 10.1 | 0.765 / 19.43 | 0.18 / 4.6    | 4.5     | 449             | 1348   | 4.35          |
| GACZ 101 S        | 4 / 101.6              | 6.25 / 158.75    | 2.3 / 58.42  | 1.935 / 49.15 | 2.5 / 63.5    | 5.75 / 146.05  | 0.409 / 10.4 | 0.781 / 19.84 | 0.18 / 4.6    | 4.5     | 515             | 1545   | 5.26          |
| GACZ 114 S        | 4.5 / 114.3            | 7 / 177.8        | 2.59 / 65.79 | 2.195 / 55.75 | 2.8 / 71.12   | 6.475 / 164.46 | 0.488 / 12.4 | 0.875 / 22.22 | 0.18 / 4.6    | 4.5     | 663             | 1990   | 7.76          |
| GACZ 127 S        | 5 / 127                | 7.75 / 196.85    | 2.88 / 73.15 | 2.455 / 62.36 | 3.13 / 79.5   | 7.19 / 182.63  | 0.547 / 13.9 | 1 / 25.4      | 0.18 / 4.6    | 4.5     | 818             | 2455   | 11.07         |
| GACZ 152 S        | 6 / 152.4              | 8.75 / 222.25    | 3.1 / 78.74  | 2.615 / 66.42 | 3.375 / 85.72 | 8.156 / 207.16 | 0.634 / 16.1 | 1.37 / 34.8   | 0.18 / 4.6    | 4.5     | 985             | 2955   | 17.37         |

# Spherical Plain Bearing



## GAC S

| Bearing Number | Dimensions (mm) |     |    |      |    |       |      |      |               |         | Load Ratings kN |        | Weight |
|----------------|-----------------|-----|----|------|----|-------|------|------|---------------|---------|-----------------|--------|--------|
|                | d               | D   | B  | C    | T  | dk    | S    | A    | max<br>rs r1s | a°<br>~ | Dynamic         | Static | ~kg    |
| GAC25S         | 25              | 47  | 15 | 14   | 15 | 42    | 0.6  | 7.5  | 1             | 2.5     | 50              | 250    | 0.148  |
| GAC28S         | 28              | 52  | 15 | 15   | 16 | 47    | 1    | 8    | 1             | 2       | 60              | 300    | 0.186  |
| GAC30S         | 30              | 55  | 17 | 15   | 17 | 49.5  | 1.3  | 8.5  | 1             | 4.5     | 63              | 315    | 0.208  |
| GAC32S         | 32              | 58  | 17 | 16   | 17 | 52    | 2    | 8.5  | 1             | 2       | 71              | 354    | 0.241  |
| GAC35S         | 35              | 62  | 18 | 16   | 18 | 55.5  | 2.1  | 9    | 1             | 4       | 78              | 390    | 0.268  |
| GAC40S         | 40              | 68  | 19 | 17   | 19 | 62    | 2.8  | 9.5  | 1             | 0.5     | 92              | 463    | 0.327  |
| GAC45S         | 45              | 75  | 20 | 18   | 20 | 68.5  | 3.5  | 10   | 1             | 3       | 108             | 540    | 0.416  |
| GAC50S         | 50              | 80  | 20 | 19   | 20 | 74    | 4.3  | 10   | 1             | 1.5     | 123             | 618    | 0.455  |
| GAC55S         | 55              | 90  | 23 | 20   | 23 | 82    | 5    | 11.5 | 1.1           | 4       | 144             | 721    | 0.645  |
| GAC60S         | 60              | 95  | 23 | 21   | 23 | 88.5  | 5.7  | 11.5 | 1.1           | 2.5     | 163             | 817    | 0.714  |
| GAC65S         | 65              | 100 | 23 | 22   | 23 | 93.5  | 6.5  | 11.5 | 1.1           | 1       | 180             | 905    | 0.759  |
| GAC70S         | 70              | 110 | 25 | 23   | 25 | 102   | 7.2  | 12.5 | 1.1           | 2       | 206             | 1030   | 1.04   |
| GAC75S         | 75              | 115 | 25 | 24   | 25 | 107   | 7.9  | 12.5 | 1.1           | 1       | 220             | 1129   | 1.12   |
| GAC80S         | 80              | 125 | 29 | 25.5 | 29 | 115   | 8.6  | 14.5 | 1.1           | 3.5     | 258             | 1290   | 1.54   |
| GAC85S         | 85              | 130 | 29 | 26.5 | 29 | 122   | 9.4  | 14.5 | 1.1           | 2       | 284             | 1422   | 1.61   |
| GAC90S         | 90              | 140 | 32 | 28   | 32 | 128.5 | 10.1 | 16   | 1.5           | 3.5     | 316             | 1580   | 2.09   |
| GAC95S         | 95              | 145 | 32 | 29.5 | 32 | 135   | 10.8 | 16   | 1.5           | 2       | 350             | 1750   | 2.22   |
| GAC100S        | 100             | 150 | 32 | 31   | 32 | 141   | 11.6 | 16   | 1.5           | 0.5     | 384             | 1923   | 2.34   |
| GAC105S        | 105             | 160 | 35 | 32.5 | 35 | 148   | 12.3 | 17.5 | 2             | 2       | 423             | 2116   | 2.93   |
| GAC110S        | 110             | 170 | 38 | 34   | 38 | 155   | 13   | 19   | 2             | 3       | 463             | 2318   | 3.68   |
| GAC120S        | 120             | 180 | 38 | 37   | 38 | 168   | 14.5 | 19   | 2             | 0.5     | 547             | 2735   | 3.97   |
| GAC130S        | 130             | 200 | 45 | 43   | 45 | 188   | 18   | 19   | 2.5           | 1       | 710             | 3550   | 5.92   |
| GAC140S        | 140             | 210 | 45 | 43   | 45 | 198   | 19   | 19   | 2.5           | 1       | 740             | 3740   | 6.33   |
| GAC150S        | 150             | 225 | 48 | 46   | 48 | 211   | 20   | 20.5 | 3             | 1       | 850             | 4270   | 8.01   |
| GAC160S        | 160             | 240 | 51 | 49   | 51 | 225   | 20   | 22   | 3             | 1       | 970             | 4850   | 9.42   |
| GAC170S        | 170             | 260 | 57 | 55   | 57 | 246   | 21   | 27   | 3             | 1       | 1190            | 5950   | 12.3   |
| GAC180S        | 180             | 280 | 64 | 61   | 64 | 260   | 21   | 28   | 3             | 1       | 1395            | 6970   | 17.4   |
| GAC190S        | 190             | 290 | 64 | 62   | 64 | 275   | 26   | 30   | 3             | 0.5     | 1500            | 7500   | 18.2   |
| GAC200S        | 200             | 310 | 70 | 66   | 70 | 290   | 26   | 30   | 3             | 1.5     | 1680            | 8420   | 22.5   |