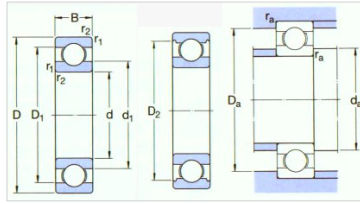


# HUB



| Designation   |           |              |              | Principal dimensions [mm] |    |    |    |        | Basic load ratings(N) |      | Basic load ratings[kgf] |     | Speed ratings(rpm) |       |       | Abutment and fillet dimensions (mm) |         |         |         |         |         | Weight(g) |               |
|---------------|-----------|--------------|--------------|---------------------------|----|----|----|--------|-----------------------|------|-------------------------|-----|--------------------|-------|-------|-------------------------------------|---------|---------|---------|---------|---------|-----------|---------------|
| With shielded | Open type | With seal VV | With seal DD | d                         | D  | B  | B1 | r(min) | Cr                    | Cor  | Cr                      | Cor | Grease             |       | Oil   | da(min)                             | db(max) | Da(Max) | Db(min) | ra(max) | rb(max) | Open type | With shielded |
|               |           |              |              |                           |    |    |    |        |                       |      |                         |     | ZZ                 | D-D   | Z     |                                     |         |         |         |         |         |           |               |
| 633           | 633ZZ     | -            | -            | 3                         | 13 | 5  | 5  | 0.2    | 1300                  | 485  | 133                     | 49  | 40000              | -     | 48000 | 4.6                                 | 6       | 11.4    | 11.3    | 0.2     | 0.2     | 3.38      | 3.33          |
| 634           | 634ZZ1    | -            | -            | 4                         | 16 | 5  | 5  | 0.3    | 1730                  | 670  | 177                     | 68  | 36000              | -     | 43000 | 6                                   | 7.5     | 14      | 13.8    | 0.3     | 0.3     | 5.24      | 5.21          |
| 635           | 635ZZ1    | 635VV        | 635DD        | 5                         | 19 | 6  | 6  | 0.3    | 2340                  | 885  | 238                     | 90  | 32000              | 30000 | 40000 | 7                                   | 8.5     | 17      | 16.5    | 0.3     | 0.3     | 8.56      | 8.34          |
| 636           | 636ZZ     | 636VV        | 636DD        | 6                         | 22 | 7  | 7  | 0.3    | 3300                  | 1370 | 335                     | 140 | 30000              | 28000 | 36000 | 8                                   | 10.5    | 20      | 19      | 0.3     | 0.3     | 14        | 14            |
| 637           | 637ZZ1    | 637VV        | 637DD        | 7                         | 26 | 9  | 9  | 0.3    | 4550                  | 1970 | 465                     | 201 | 28000              | 22000 | 34000 | 9                                   | 12.8    | 24      | 22.8    | 0.3     | 0.3     | 24        | 25            |
| 638           | 638ZZ1    | 638VV        | 638DD        | 8                         | 28 | 9  | 9  | 0.3    | 4550                  | 1970 | 465                     | 201 | 28000              | 22000 | 34000 | 10                                  | 12.8    | 26      | 22.8    | 0.3     | 0.3     | 28.3      | 28.6          |
| 639           | 639ZZ     | 639VV        | -            | 9                         | 30 | 10 | 10 | 0.6    | 5100                  | 2390 | 520                     | 244 | 24000              | -     | 30000 | 13                                  | 16.1    | 26      | 25.6    | 0.6     | 0.6     | 36.5      | 36            |