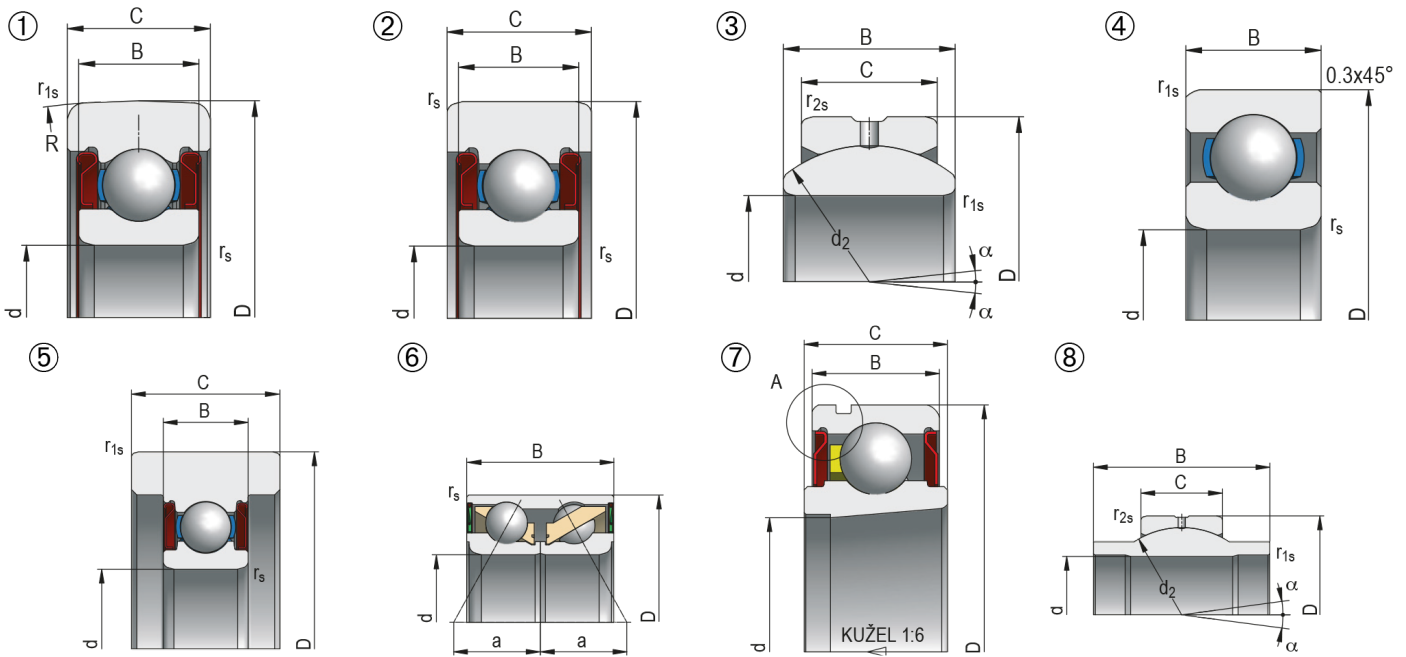


Special bearings



Bearing Designation **PLC 04-30**

Dimensions (mm)

| | | | |
|----------|----|---------------------------|-----|
| d | 20 | R | - |
| D | 51 | r_s min | 1,1 |
| B | 15 | r_{1s} min | - |
| C | - | | |

Basic Load Rating (kN)

| | |
|----------------------|------|
| C | 16 |
| C₀ | 7,94 |

Limiting Speed for Lubrication (min⁻¹)

| | |
|---------------|-------|
| Grease | 14000 |
| Oil | 17000 |

Weight [kg] 0,126

Tolerance Symbols and Their Meaning

| | | | |
|-----------------|--|----------------|---|
| d | nominal bore diameter | H_4 | rated height of spherical-roller bearing |
| d_1 | nominal diameter of larger theoretical tapered bore diameter | Δ_{Bs} | inner ring single width deviation |
| d_2 | nominal diameter of the shaft washer of double direction thrust bearings | Δ_{Cs} | outer ring single width deviation |
| Δ_{ds} | deviation of single bore diameter from nominal | Δ_{Ts} | bearing single width deviation (total) |
| Δ_{dmp} | mean cylindrical bore diameter deviation in single radial plane (for tapered bore Δ_{dmp} is valid for theoretical bore diameter) | Δ_{T1s} | cone sub-unit effective width deviation |
| Δ_{d1mp} | deviation of mean larger theoretical diameter of tapered bore | Δ_{T2s} | cup sub-unit effective width deviation |
| Δ_{d2mp} | mean shaft washer bore diameter deviation of double direction thrust bearings in single radial plane | Δ_{Hs} | height deviation of single direction axial bearings from nominal value |
| V_{dp} | single bore diameter variation in single radial plane | Δ_{H1s} | height deviation of single direction axial ball bearings with sphered housing washer from nominal value |
| V_{dmp} | mean cylindrical bore diameter variation | Δ_{H2s} | height deviation of double direction axial bearings from nominal value |
| V_{d2p} | shaft washer bore diameter variation of double direction thrust bearings in single radial plane | Δ_{H3s} | height deviation of double direction axial ball bearings with sphered housing washer from nominal value |
| D | nominal outside diameter | Δ_{H4s} | height deviation of axial spherical-roller bearing from the rated value |
| Δ_{Ds} | deviation of single outside diameter from the nominal dimension | C | outer ring nominal width |
| Δ_{Dmp} | mean outside cylindrical surface diameter deviation in single plane | V_{Bs} | inner ring single width variation |
| V_{Dp} | single outside cylindrical surface diameter variation in single radial plane | V_{Cs} | outer ring single width variation |
| V_{Dmp} | mean outside cylindrical surface diameter variation | K_{ia} | radial runout of assembled bearing inner ring |
| B | inner ring nominal width | K_{ea} | radial runout of assembled bearing outer ring |
| T | total nominal width of tapered roller bearings | S_i | shaft washer raceway axial runout |
| T_1 | nominal effective width of cup sub-unit | S_e | housing washer raceway axial runout |
| T_2 | nominal effective width of cone sub-unit | S_{ia} | inner ring flat seat face axial runout of assembled bearing |
| H | rated width of unidirectional axial bearing | S_{ea} | outer ring flat seat face axial runout of assembled bearing |
| H_1 | rated height of unidirectional ball axial bearing including the body ring | S_d | flat seat face axial runout |
| H_2 | rated height of bidirectional axial bearing | S_D | runout of outside cylindrical surface towards outer ring face |
| H_3 | rated height of bidirectional axial ball bearing including body rings | S_s | runout of supporting face towards seat face for single row tapered roller bearings |