

NCF30/500V

Cylindrical Roller Bearings (full complement, single row)



Details:

Main dimensions

| | | | |
|-------------|---------------|----------------|-----------------|
| d [mm] | 500 | d_1 [mm] | ≈ 567.7 |
| D [mm] | 720 | D_1 [mm] | ≈ 649.3 |
| B [mm] | 167 | $r_{1,2}$ [mm] | 6 |
| Weight [kg] | ≈ 208 | $r_{3,4}$ [mm] | 6 |
| E [mm] | 676.5 | s [mm] | 16 |



| Mating dimensions | | Calculation data | |
|--------------------|-----|--------------------------------|------|
| $d_{a, \min}$ [mm] | 523 | C [kN] | 3870 |
| $d_{c, \min}$ [mm] | 562 | C_0 [kN] | 7550 |
| $D_{a, \max}$ [mm] | 697 | C_u [kN] | 614 |
| $D_{b, \max}$ [mm] | 697 | n_{th} [min^{-1}] | 257 |
| $r_{a, \max}$ [mm] | 5 | n_g [min^{-1}] | 460 |
| $r_{b, \max}$ [mm] | 5 | | |