

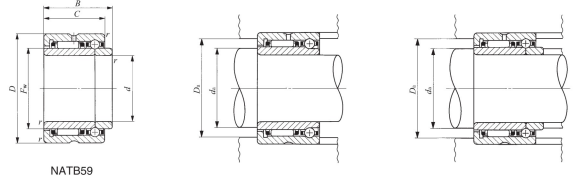


COMBINED TYPE NEEDLE ROLLER BEARINGS

Needle Roller Bearings with Angular Contact Ball Bearing
 Needle Roller Bearings with Three-point Contact Ball Bearing



NATA59



NATB59

Shaft dia. 15 – 70mm

| Shaft dia. mm | Identification number | | | | Boundary dimensions mm | | | | | |
|------------------|-----------------------|---------------------|--------------------------|---------------------|---------------------------|-----|----|----|-----------------------------------|----------------|
| | Angular contact type | Mass (Ref.) g | Three-point contact type | Mass (Ref.) g | d | D | C | B | r _{s min} ⁽¹⁾ | F _w |
| 15 | NATA 5902 | 50.5 | NATB 5902 | 53 | 15 | 28 | 18 | 20 | 0.3 | 20 |
| 17 | NATA 5903 | 55.5 | NATB 5903 | 58.5 | 17 | 30 | 18 | 20 | 0.3 | 22 |
| 20 | NATA 5904 | 111 | NATB 5904 | 115 | 20 | 37 | 23 | 25 | 0.3 | 25 |
| 25 | NATA 5905 | 131 | NATB 5905 | 136 | 25 | 42 | 23 | 25 | 0.3 | 30 |
| 30 | NATA 5906 | 151 | NATB 5906 | 157 | 30 | 47 | 23 | 25 | 0.3 | 35 |
| 35 | NATA 5907 | 250 | NATB 5907 | 260 | 35 | 55 | 27 | 30 | 0.6 | 42 |
| 40 | NATA 5908 | 355 | NATB 5908 | 375 | 40 | 62 | 30 | 34 | 0.6 | 48 |
| 45 | NATA 5909 | 410 | NATB 5909 | 435 | 45 | 68 | 30 | 34 | 0.6 | 55 |
| 50 | NATA 5910 | 420 | NATB 5910 | 445 | 50 | 72 | 30 | 34 | 0.6 | 58 |
| 55 | NATA 5911 | 585 | NATB 5911 | 615 | 55 | 80 | 34 | 38 | 1 | 63 |
| 60 | NATA 5912 | 625 | NATB 5912 | 660 | 60 | 85 | 34 | 38 | 1 | 68 |
| 65 | NATA 5913 | 665 | NATB 5913 | 710 | 65 | 90 | 34 | 38 | 1 | 75 |
| 70 | NATA 5914 | 1 070 | NATB 5914 | 1 130 | 70 | 100 | 40 | 45 | 1 | 80 |

Notes⁽¹⁾ Minimum allowable value of chamfer dimension r
⁽²⁾ Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.
 Remarks 1. The outer ring has an oil groove and an oil hole.
 2. Grease is not prepacked. Perform proper lubrication.

| Standard mounting dimensions mm | | Basic dynamic load rating C | | Basic static load rating C ₀ | | Allowable rotational speed ⁽²⁾ rpm |
|------------------------------------|------------------------|--------------------------------|------------|--|------------|--|
| d _a Min. | D _a Max. | Radial N | Axial N | Radial N | Axial N | |
| 17 | 26 | 7 710 | 1 900 | 10 200 | 2 920 | 20 000 |
| 19 | 28 | 8 220 | 2 050 | 11 500 | 3 340 | 18 000 |
| 22 | 35 | 14 300 | 3 810 | 18 400 | 6 110 | 16 000 |
| 27 | 40 | 15 800 | 4 300 | 22 100 | 7 520 | 13 000 |
| 32 | 45 | 17 700 | 4 550 | 26 800 | 8 460 | 11 000 |
| 39 | 51 | 24 000 | 4 890 | 42 100 | 9 870 | 9 500 |
| 44 | 58 | 30 600 | 5 350 | 60 400 | 11 800 | 8 500 |
| 49 | 64 | 32 600 | 5 450 | 68 500 | 12 700 | 7 000 |
| 54 | 68 | 33 600 | 5 660 | 72 500 | 13 600 | 7 000 |
| 60 | 75 | 39 500 | 10 400 | 74 400 | 24 700 | 6 500 |
| 65 | 80 | 41 800 | 10 700 | 82 200 | 26 700 | 6 000 |
| 70 | 85 | 43 800 | 11 000 | 90 200 | 28 700 | 5 500 |
| 75 | 95 | 56 400 | 13 500 | 127 000 | 35 000 | 5 000 |

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