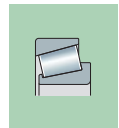




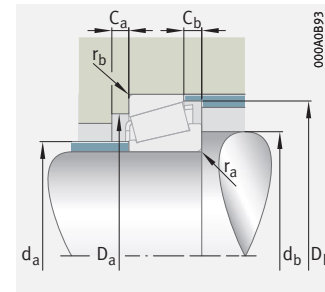
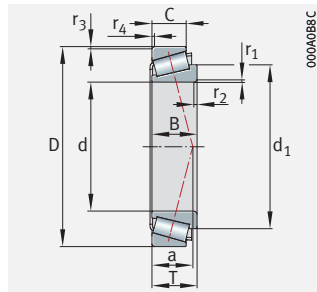
| Dimensions |    |                                 |                                 |     | Mounting dimensions |                |                |                |                |                |                |                |                |                | Calculation factors |      |                |      |
|------------|----|---------------------------------|---------------------------------|-----|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------|------|----------------|------|
|            | d  | r <sub>1</sub> , r <sub>2</sub> | r <sub>3</sub> , r <sub>4</sub> | a   | d <sub>1</sub>      | d <sub>a</sub> | d <sub>b</sub> | D <sub>a</sub> | D <sub>a</sub> | D <sub>b</sub> | C <sub>a</sub> | C <sub>b</sub> | r <sub>a</sub> | r <sub>b</sub> | e                   | Y    | Y <sub>0</sub> |      |
|            |    | min.                            | min.                            | ≈   | ≈                   | max.           | min.           | min.           | max.           | min.           | min.           | min.           | max.           | max.           |                     |      |                |      |
|            | 28 | 0,3                             | 0,3                             | 9   | –                   | 32             | 32             | 41             | 41             | 42             | 2              | 3              | 0,3            | 0,3            | 0,32                | 1,88 | 1,04           |      |
|            |    | 1                               | 1                               | 13  | 41                  | 33             | 34             | 45             | 46             | 49             | 3              | 4              | 1              | 1              | 0,43                | 1,39 | 0,77           |      |
|            |    | 1                               | 1                               | 13  | –                   | 34             | 35             | 48             | 49             | 52             | 3              | 4              | 1              | 1              | 0,47                | 1,27 | 0,7            |      |
|            |    | 1                               | 1                               | 17  | 44,9                | 33             | 34             | 46             | 55             | 52             | 3              | 4              | 1              | 1              | 0,56                | 1,07 | 0,59           |      |
|            |    | 1                               | 1                               | 15  | 43,9                | 33             | 34             | 49             | 52             | 55             | 4              | 5              | 1              | 1              | 0,34                | 1,77 | 0,97           |      |
|            |    | 2                               | 2                               | 18  | –                   | 35             | 37             | 54             | 57             | 61             | 5              | 5              | 2              | 2              | 0,34                | 1,77 | 0,97           |      |
|            |    | 1,5                             | 1,5                             | 14  | 46,5                | 38             | 35             | 59             | 61             | 62             | 3              | 3,5            | 1,5            | 1,5            | 0,3                 | 2    | 1,1            |      |
|            | 30 | 0,3                             | 0,3                             | 9   | 39,5                | 34             | 34             | 43             | 43             | 44             | 2              | 3              | 0,3            | 0,3            | 0,32                | 1,88 | 1,04           |      |
|            |    | 1                               | 1                               | 14  | 43,9                | 35             | 36             | 48             | 49             | 52             | 3              | 4              | 1              | 1              | 0,43                | 1,39 | 0,77           |      |
|            |    | 1                               | 1                               | 13  | 43,8                | 35             | 36             | 48             | 49             | 52             | 3              | 4              | 1              | 1              | 0,29                | 2,06 | 1,13           |      |
|            |    | 1                               | 1                               | 15  | –                   | 36             | 37             | 52             | 54             | 57             | 3              | 4,5            | 1              | 1              | 0,47                | 1,27 | 0,7            |      |
|            |    | 1                               | 1                               | 14  | 46,2                | 37             | 36             | 53             | 56             | 57             | 2              | 3              | 1              | 1              | 0,37                | 1,6  | 0,88           |      |
|            |    | 1                               | 1                               | 18  | 48,5                | 36             | 36             | 50             | 56             | 60             | 3              | 4              | 1              | 1              | 0,56                | 1,07 | 0,59           |      |
|            |    | 1                               | 1                               | 16  | 46,8                | 37             | 36             | 52             | 56             | 59             | 3              | 4              | 1              | 1              | 0,37                | 1,6  | 0,88           |      |
|            |    | 1                               | 1                               | 16  | 47                  | 36             | 36             | 53             | 56             | 59             | 5              | 5,5            | 1              | 1              | 0,34                | 1,76 | 0,97           |      |
|            |    | 2                               | 2                               | 19  | –                   | 37             | 40             | 56             | 60             | 64             | 5              | 5              | 2              | 2              | 0,33                | 1,81 | 1              |      |
|            |    | 1,5                             | 1,5                             | 15  | 49,3                | 40             | 37             | 62             | 65             | 66             | 3              | 4,5            | 1,5            | 1,5            | 0,32                | 1,9  | 1,05           |      |
|            |    | 1,5                             | 1,5                             | 24  | 54                  | 40             | 37             | 55             | 65             | 68             | 3              | 6,5            | 1,5            | 1,5            | 0,83                | 0,73 | 0,4            |      |
|            |    | 1,5                             | 1,5                             | 18  | 49,3                | 39             | 37             | 59             | 65             | 66             | 4              | 5,5            | 1,5            | 1,5            | 0,32                | 1,9  | 1,05           |      |
|            |    | 1,5                             | 1,5                             | 23  | 53,2                | 38             | 37             | 59             | 65             | 67             | 4              | 5,5            | 1,5            | 1,5            | 0,55                | 1,1  | 0,6            |      |
|            |    | 32                              | 0,6                             | 0,6 | 10                  | –              | 36             | 37             | 47             | 48             | 49             | 3              | 3              | 0,6            | 0,6                 | 0,32 | 1,88           | 1,04 |
|            |    |                                 | 1                               | 1   | 14                  | 46,5           | 38             | 38             | 50             | 52             | 55             | 3              | 4              | 1              | 1                   | 0,45 | 1,32           | 0,73 |
|            | 1  |                                 | 1                               | 16  | –                   | 39             | 40             | 56             | 59             | 61             | 3              | 4,5            | 1              | 1              | 0,47                | 1,27 | 0,7            |      |
|            | 1  |                                 | 1                               | 14  | 46,7                | 39             | 38             | 56             | 59             | 60             | 3              | 3              | 1              | 1              | 0,37                | 1,6  | 0,88           |      |
|            | 1  |                                 | 1                               | 17  | –                   | 38             | 38             | 55             | 59             | 62             | 4              | 5,5            | 1              | 1              | 0,35                | 1,73 | 0,95           |      |
|            | 2  |                                 | 2                               | 19  | –                   | 40             | 42             | 60             | 64             | 67             | 5              | 5              | 2              | 2              | 0,34                | 1,78 | 0,98           |      |





## Tapered roller bearings

Single row to DIN/ISO



Mounting dimensions

**d = 28 – 32 mm**

| Main dimensions |    |      |      |       | Basic load ratings  |                       | Fatigue limit load | Limiting speed    | Speed rating      | Mass  | Designation       | Interchange designation to ISO 10317 and ISO 355 |
|-----------------|----|------|------|-------|---------------------|-----------------------|--------------------|-------------------|-------------------|-------|-------------------|--------------------------------------------------|
| d               | D  | B    | C    | T     | dyn. C <sub>r</sub> | stat. C <sub>0r</sub> | C <sub>ur</sub>    | n <sub>G</sub>    | n <sub>thr</sub>  | m     |                   |                                                  |
|                 |    |      |      |       | N                   | N                     | N                  | min <sup>-1</sup> | min <sup>-1</sup> | ≈ kg  |                   |                                                  |
| <b>28</b>       | 45 | 12   | 9    | 12    | 15 800              | 20 900                | 2 180              | 16 700            | 8 900             | 0,073 | <b>329/28</b>     | T2BD028                                          |
|                 | 52 | 16   | 12   | 16    | 34 000              | 40 500                | 4 600              | 14 200            | 8 400             | 0,146 | <b>320/28-X</b>   | T4CC028                                          |
|                 | 55 | 14,5 | 11   | 15    | 30 000              | 31 000                | 3 450              | 13 900            | 8 400             | 0,151 | <b>T4CB028</b>    | T4CB028                                          |
|                 | 58 | 19   | 16   | 20,25 | 42 000              | 49 500                | 5 700              | 12 800            | 7 600             | 0,249 | <b>322/28-B</b>   | T5DD028                                          |
|                 | 58 | 24   | 19   | 24    | 57 000              | 66 000                | 8 200              | 12 700            | 7 700             | 0,296 | <b>332/28</b>     | –                                                |
|                 | 65 | 27   | 22   | 27    | 71 000              | 78 000                | 9 600              | 11 600            | 7 500             | 0,451 | <b>T2ED028</b>    | T2ED028                                          |
|                 | 68 | 18   | 16   | 19,75 | 53 000              | 51 000                | 5 900              | 11 200            | 7 800             | 0,342 | <b>303/28</b>     | –                                                |
| <b>30</b>       | 47 | 12   | 9    | 12    | 18 700              | 24 900                | 2 750              | 16 000            | 8 200             | 0,075 | <b>32906</b>      | T2BD030                                          |
|                 | 55 | 17   | 13   | 17    | 46 000              | 47 000                | 7 100              | 16 100            | 7 900             | 0,173 | <b>32006-X-XL</b> | T4CC030                                          |
|                 | 55 | 20   | 16   | 20    | 53 000              | 57 000                | 9 000              | 15 900            | 8 300             | 0,212 | <b>33006-XL</b>   | T2CE030                                          |
|                 | 60 | 16,5 | 12,5 | 17    | 38 000              | 38 500                | 4 600              | 12 600            | 8 000             | 0,207 | <b>T4CB030</b>    | T4CB030                                          |
|                 | 62 | 16   | 14   | 17,25 | 52 000              | 48 500                | 7 000              | 12 400            | 7 400             | 0,24  | <b>30206-XL</b>   | T3DB030                                          |
|                 | 62 | 20   | 17   | 21,25 | 62 000              | 65 000                | 9 900              | 14 200            | 6 700             | 0,28  | <b>32206-B-XL</b> | T5DC030                                          |
|                 | 62 | 20   | 17   | 21,25 | 63 000              | 62 000                | 9 900              | 14 600            | 6 800             | 0,292 | <b>32206-XL</b>   | T3DC030                                          |
|                 | 62 | 25   | 19,5 | 25    | 77 000              | 78 000                | 12 600             | 14 300            | 7 000             | 0,355 | <b>33206-XL</b>   | T2DE030                                          |
|                 | 68 | 29   | 24   | 29    | 80 000              | 93 000                | 11 800             | 10 900            | 7 100             | 0,534 | <b>T2EE030</b>    | T2EE030                                          |
|                 | 72 | 19   | 16   | 20,75 | 71 000              | 61 000                | 9 300              | 13 300            | 7 100             | 0,402 | <b>30306-XL</b>   | T2FB030                                          |
|                 | 72 | 19   | 14   | 20,75 | 45 000              | 46 500                | 5 400              | 10 300            | 6 400             | 0,393 | <b>31306-A</b>    | T7FB030                                          |
|                 | 72 | 27   | 23   | 28,75 | 80 000              | 89 000                | 11 000             | 10 700            | 7 000             | 0,587 | <b>32306-A</b>    | T2FD030                                          |
| <b>32</b>       | 72 | 27   | 23   | 28,75 | 73 000              | 87 000                | 10 700             | 10 400            | 7 100             | 0,6   | <b>32306-B</b>    | T5FD030                                          |
|                 | 52 | 15   | 10   | 14    | 24 200              | 30 500                | 3 100              | 14 300            | 7 900             | 0,114 | <b>329/32</b>     | T2BD032                                          |
|                 | 58 | 17   | 13   | 17    | 39 000              | 48 500                | 5 700              | 12 600            | 7 500             | 0,19  | <b>320/32-X</b>   | T4CC032                                          |
|                 | 65 | 17,5 | 13,5 | 18    | 43 500              | 45 000                | 5 400              | 11 700            | 7 500             | 0,262 | <b>T4DB032</b>    | T4DB032                                          |
|                 | 65 | 17   | 15   | 18,25 | 49 000              | 50 000                | 5 800              | 12 000            | 7 600             | 0,28  | <b>302/32</b>     | T3DB032                                          |
|                 | 65 | 26   | 20,5 | 26    | 71 000              | 85 000                | 10 700             | 11 200            | 6 800             | 0,41  | <b>332/32</b>     | T2DE032                                          |
|                 | 72 | 29   | 24   | 29    | 87 000              | 100 000               | 12 500             | 10 400            | 6 700             | 0,594 | <b>T2ED032</b>    | T2ED032                                          |

medias <https://www.schaeffler.de/std/1F9A>