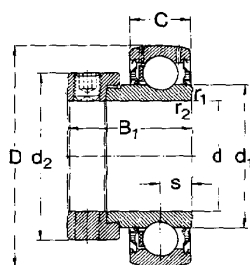
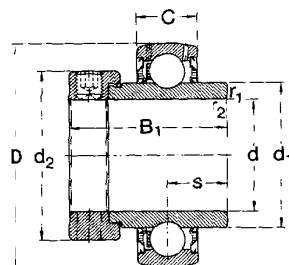


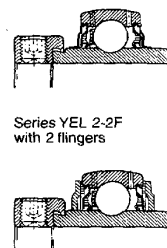
**Y-bearings with eccentric locking collar  
for inch shafts**  
d 1<sup>7</sup>/<sub>16</sub>–2<sup>7</sup>/<sub>16</sub> in



Series YET 2



Series YEL 2  
without flingers

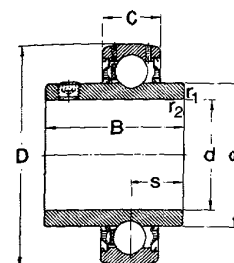


Series YEL 2-2FF  
with 2 flocked flingers

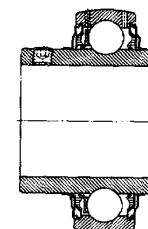
| Dimensions                      |                |                |     |                |    |      |                      | Basic load ratings                   |                       | Fatigue load limit | Mass         | Designations                    |                    |                            |
|---------------------------------|----------------|----------------|-----|----------------|----|------|----------------------|--------------------------------------|-----------------------|--------------------|--------------|---------------------------------|--------------------|----------------------------|
| d                               | d <sub>1</sub> | d <sub>2</sub> | D   | B <sub>1</sub> | C  | s    | r <sub>1,2</sub> min | dynamic C <sub>1</sub> <sup>1)</sup> | static C <sub>0</sub> | P <sub>u</sub>     | Bear-<br>ing | Bearings<br>without<br>flingers | with<br>2 flingers | with<br>2 flocked flingers |
| in                              | mm             |                |     |                |    |      |                      | N                                    |                       | N                  | kg           | –                               |                    |                            |
| 1 <sup>7</sup> / <sub>16</sub>  | 46,1           | 55,6           | 72  | 38,9           | 19 | 9,5  | 1                    | 19 600                               | 15 300                | 455                | 0,46         | YET 207-107                     | –                  | –                          |
|                                 | 46,1           | 55,6           | 72  | 51,1           | 19 | 18,8 | 1                    | 19 600                               | 15 300                | 455                | 0,52         | YEL 207-107                     | YEL 207-107-2F     | YEL 207-107-2FF            |
| 1 <sup>1</sup> / <sub>2</sub>   | 51,8           | 60,3           | 80  | 43,7           | 21 | 11   | 1                    | 23 600                               | 19 000                | 560                | 0,66         | YET 208-108                     | –                  | –                          |
|                                 | 51,8           | 60,3           | 80  | 56,3           | 21 | 21,4 | 1                    | 23 600                               | 19 000                | 560                | 0,75         | YEL 208-108                     | YEL 208-108-2F     | YEL 208-108-2FF            |
| 1 <sup>5</sup> / <sub>16</sub>  | 51,8           | 60,3           | 80  | 43,7           | 21 | 11   | 1                    | 23 600                               | 19 000                | 560                | 0,63         | YET 208-108                     | –                  | –                          |
|                                 | 51,8           | 60,3           | 80  | 56,3           | 21 | 21,4 | 1                    | 23 600                               | 19 000                | 560                | 0,71         | YEL 208-108                     | YEL 208-108-2F     | YEL 208-108-2FF            |
| 1 <sup>3</sup> / <sub>8</sub>   | 56,8           | 63,5           | 85  | 43,7           | 22 | 11   | 1                    | 25 500                               | 21 600                | 540                | 0,74         | YET 209-110                     | –                  | –                          |
|                                 | 56,8           | 63,5           | 85  | 56,3           | 22 | 21,4 | 1                    | 25 500                               | 21 600                | 540                | 0,85         | YEL 209-110                     | YEL 209-110-2F     | YEL 209-110-2FF            |
| 1 <sup>11</sup> / <sub>16</sub> | 56,8           | 63,5           | 85  | 43,7           | 22 | 11   | 1                    | 25 500                               | 21 600                | 540                | 0,70         | YET 209-111                     | –                  | –                          |
|                                 | 56,8           | 63,5           | 85  | 56,3           | 22 | 21,4 | 1                    | 25 500                               | 21 600                | 540                | 0,81         | YEL 209-111                     | YEL 209-111-2F     | YEL 209-111-2FF            |
| 1 <sup>3</sup> / <sub>4</sub>   | 56,8           | 63,5           | 85  | 43,7           | 22 | 11   | 1                    | 25 500                               | 21 600                | 540                | 0,66         | YET 209-112                     | –                  | –                          |
|                                 | 56,8           | 63,5           | 85  | 56,3           | 22 | 21,4 | 1                    | 25 500                               | 21 600                | 540                | 0,76         | YEL 209-112                     | YEL 209-112-2F     | YEL 209-112-2FF            |
| 1 <sup>7</sup> / <sub>8</sub>   | 62,5           | 69,9           | 90  | 43,7           | 22 | 11   | 1                    | 27 000                               | 23 200                | 595                | 0,79         | YET 210-114                     | –                  | –                          |
|                                 | 62,5           | 69,9           | 90  | 62,7           | 22 | 24,6 | 1                    | 27 000                               | 23 200                | 595                | 0,98         | YEL 210-114                     | YEL 210-114-2F     | YEL 210-114-2FF            |
| 1 <sup>15</sup> / <sub>16</sub> | 62,5           | 69,9           | 90  | 43,7           | 22 | 11   | 1                    | 27 000                               | 23 200                | 595                | 0,75         | YET 210-115                     | –                  | –                          |
|                                 | 62,5           | 69,9           | 90  | 62,7           | 22 | 24,6 | 1                    | 27 000                               | 23 200                | 595                | 0,92         | YEL 210-115                     | YEL 210-115-2F     | YEL 210-115-2FF            |
| 2                               | 69,1           | 76,2           | 100 | 48,4           | 25 | 12   | 1                    | 33 500                               | 29 000                | 865                | 1,10         | YET 211-200                     | –                  | –                          |
|                                 | 69,1           | 76,2           | 100 | 71,4           | 25 | 27,8 | 1                    | 33 500                               | 29 000                | 865                | 1,40         | YEL 211-200                     | YEL 211-200-2F     | YEL 211-200-2FF            |
| 2 <sup>1</sup> / <sub>16</sub>  | 69,1           | 76,2           | 100 | 48,4           | 25 | 12   | 1                    | 33 500                               | 29 000                | 865                | 0,97         | YET 211-203                     | –                  | –                          |
|                                 | 69,1           | 76,2           | 100 | 71,4           | 25 | 27,8 | 1                    | 33 500                               | 29 000                | 865                | 1,20         | YEL 211-203                     | YEL 211-203-2F     | YEL 211-203-2FF            |
| 2 <sup>1</sup> / <sub>4</sub>   | 75,6           | 83,7           | 110 | 77,8           | 26 | 31   | 1,5                  | 40 500                               | 36 000                | 1 060              | 1,95         | YEL 212-204                     | YEL 212-204-2F     | YEL 212-204-2FF            |
| 2 <sup>3</sup> / <sub>16</sub>  | 75,6           | 83,7           | 110 | 77,8           | 26 | 31   | 1,5                  | 40 500                               | 36 000                | 1 060              | 1,70         | YEL 212-207                     | YEL 212-207-2F     | YEL 212-207-2FF            |

<sup>1)</sup> If these bearings are mounted on shafts machined to tolerance h6 or better then the C values may be multiplied by 1,3

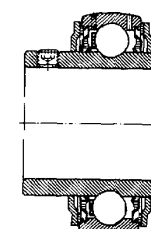
**Y-bearings with grub screw locking**  
d 12–100 mm



Without flingers



With 2 flingers



With 2 flocked flingers

| Dimensions     |     |      |    |      |                      |                                      |                       | Basic load ratings |       | Fatigue load limit | Mass          | Designations                    |                    |                            |
|----------------|-----|------|----|------|----------------------|--------------------------------------|-----------------------|--------------------|-------|--------------------|---------------|---------------------------------|--------------------|----------------------------|
| d <sub>1</sub> | D   | B    | C  | s    | r <sub>1,2</sub> min | dynamic C <sub>1</sub> <sup>1)</sup> | static C <sub>0</sub> | N                  |       | N                  | kg            | Bearings<br>without<br>flingers | with<br>2 flingers | with<br>2 flocked flingers |
| mm             |     |      |    |      |                      |                                      |                       | N                  |       | N                  | kg            | –                               |                    |                            |
| 24,1           | 40  | 27,4 | 12 | 11,5 | 0,3                  | 7 350                                | 4 750                 | 140                | 0,11  | YAR 203/12         | YAR 203/12-2F | YAR 203/12-2FF                  |                    |                            |
| 24,1           | 40  | 27,4 | 12 | 11,5 | 0,3                  | 7 350                                | 4 750                 | 140                | 0,099 | YAR 203/15         | YAR 203/15-2F | YAR 203/15-2FF                  |                    |                            |
| 24,1           | 40  | 27,4 | 12 | 11,5 | 0,3                  | 7 350                                | 4 750                 | 140                | 0,088 | YAR 203            | YAR 203-2F    | YAR 203-2FF                     |                    |                            |
| 28,2           | 47  | 31   | 14 | 12,7 | 0,6                  | 9 800                                | 6 550                 | 196                | 0,14  | YAR 204            | YAR 204-2F    | YAR 204-2FF                     |                    |                            |
| 28,2           | 47  | 31   | 14 | 12,7 | 0,6                  | 9 800                                | 6 550                 | 196                | 0,17  | YAR 205            | YAR 205-2F    | YAR 205-2FF                     |                    |                            |
| 39,7           | 62  | 38,1 | 19 | 15,9 | 0,6                  | 15 000                               | 11 200                | 335                | 0,28  | YAR 206            | YAR 206-2F    | YAR 206-2FF                     |                    |                            |
| 46,1           | 72  | 42,9 | 19 | 17,5 | 1                    | 19 800                               | 15 300                | 455                | 0,41  | YAR 207            | YAR 207-2F    | YAR 207-2FF                     |                    |                            |
| 51,8           | 80  | 49,2 | 21 | 19   | 1                    | 23 600                               | 19 000                | 560                | 0,55  | YAR 208            | YAR 208-2F    | YAR 208-2FF                     |                    |                            |
| 56,8           | 85  | 49,2 | 22 | 19   | 1                    | 25 500                               | 21 600                | 640                | 0,60  | YAR 209            | YAR 209-2F    | YAR 209-2FF                     |                    |                            |
| 62,5           | 90  | 51,6 | 22 | 19   | 1                    | 27 000                               | 23 200                | 695                | 0,69  | YAR 210            | YAR 210-2F    | YAR 210-2FF                     |                    |                            |
| 69,1           | 100 | 55,6 | 23 | 22,2 | 1                    | 33 500                               | 29 000                | 865                | 0,94  | YAR 211            | YAR 211-2F    | YAR 211-2FF                     |                    |                            |
| 75,6           | 110 | 65,1 | 23 | 25,4 | 1,5                  | 40 500                               | 36 000                | 1 060              | 1,30  | YAR 212            | YAR 212-2F    | YAR 212-2FF                     |                    |                            |
| 82,5           | 120 | 68,3 | 23 | 25,4 | 1,5                  | 44 000                               | 40 000                | 1 180              | 1,65  | YAR 213            | YAR 213-2F    | YAR 213-2FF                     |                    |                            |
| 87,1           | 125 | 74,6 | 23 | 30,2 | 1,5                  | 46 500                               | 45 000                | 1 320              | 1,90  | YAJ 214            | YAJ 214-2F    | YAJ 214-2FF                     |                    |                            |
| 101,1          | 140 | 82,6 | 31 | 33,3 | 2                    | 54 000                               | 55 000                | 1 530              | 2,80  | YAJ 216            | YAJ 216-2F    | YAJ 216-2FF                     |                    |                            |
| 112,1          | 160 | 96   | 38 | 39,7 | 2                    | 73 500                               | 73 500                | 1 960              | 4,10  | YAJ 218            | YAJ 218-2F    | YAJ 218-2FF                     |                    |                            |
| 124,1          | 180 | 108  | 41 | 42   | 2                    | 95 000                               | 93 000                | 2 320              | 5,65  | YAJ 220            | YAJ 220-2F    | YAJ 220-2FF                     |                    |                            |

<sup>1)</sup> If these bearings are mounted on shafts machined to tolerance h6 or better then the C values may be multiplied by 1,3