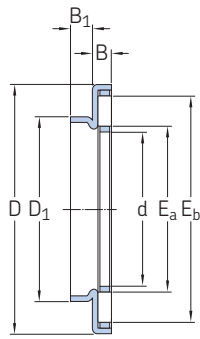


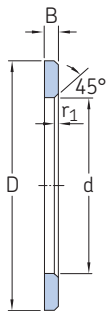
## 12.2 Needle roller thrust bearings with a centring flange

d 10 – 45 mm

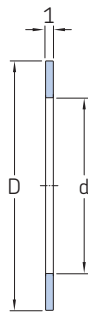


| Principal dimensions |    |                |     |                |                        |                        | Basic load ratings |                | Fatigue load limit | Speed ratings      |                   | Mass | Designation |
|----------------------|----|----------------|-----|----------------|------------------------|------------------------|--------------------|----------------|--------------------|--------------------|-------------------|------|-------------|
| d                    | D  | D <sub>1</sub> | B   | B <sub>1</sub> | E <sub>a</sub><br>min. | E <sub>b</sub><br>max. | C                  | C <sub>0</sub> | P <sub>u</sub>     | Reference<br>speed | Limiting<br>speed |      |             |
| mm                   |    |                |     |                |                        |                        | kN                 |                | kN                 | r/min              |                   | g    | –           |
| 10                   | 27 | 14             | 3,2 | 3              | 12                     | 23                     | 8,5                | 26             | 3                  | 5 300              | 10 000            | 8,3  | AXW 10      |
| 12                   | 29 | 16             | 3,2 | 3              | 14                     | 25                     | 9,15               | 30             | 3,45               | 5 000              | 10 000            | 9,1  | AXW 12      |
| 15                   | 31 | 21             | 3,2 | 3,5            | 17                     | 27                     | 10,4               | 37,5           | 4,3                | 4 800              | 9 500             | 10   | AXW 15      |
| 20                   | 38 | 26             | 3,2 | 3,5            | 22                     | 34                     | 12                 | 47,5           | 5,6                | 4 300              | 8 500             | 14   | AXW 20      |
| 25                   | 45 | 32             | 3,2 | 4              | 29                     | 41                     | 13,4               | 60             | 6,95               | 3 800              | 7 500             | 20   | AXW 25      |
| 30                   | 50 | 37             | 3,2 | 4              | 34                     | 46                     | 15                 | 72             | 8,3                | 3 600              | 7 000             | 22   | AXW 30      |
| 35                   | 55 | 42             | 3,2 | 4              | 39                     | 51                     | 16,6               | 83             | 9,8                | 3 200              | 6 300             | 27   | AXW 35      |
| 40                   | 63 | 47             | 4,2 | 4              | 45                     | 58                     | 25                 | 114            | 13,7               | 2 800              | 5 600             | 39   | AXW 40      |
| 45                   | 68 | 52             | 4,2 | 4              | 50                     | 63                     | 27                 | 127            | 15,3               | 2 600              | 5 300             | 43   | AXW 45      |

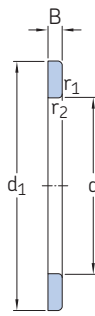




LS



AS



WS 811

| Dimensions |                    |      |                          | Masses<br>Washers<br>LS, WS |    | Designations        |                          |              |
|------------|--------------------|------|--------------------------|-----------------------------|----|---------------------|--------------------------|--------------|
| d          | d <sub>1</sub> , D | B    | r <sub>1,2</sub><br>min. | LS, WS                      | AS | Universal<br>washer | Thin universal<br>washer | Shaft washer |
| mm         |                    |      |                          | g                           |    | –                   |                          |              |
| 10         | 24                 | 2,75 | 0,3                      | 8                           | 3  | LS 1024             | AS 1024                  | –            |
| 12         | 26                 | 2,75 | 0,3                      | 9                           | 3  | LS 1226             | AS 1226                  | –            |
| 15         | 28                 | 2,75 | 0,3                      | 9                           | 3  | LS 1528             | AS 1528                  | WS 81102     |
| 20         | 35                 | 2,75 | 0,3                      | 13                          | 5  | LS 2035             | AS 2035                  | WS 81104     |
| 25         | 42                 | 3    | 0,6                      | 19                          | 7  | LS 2542             | AS 2542                  | WS 81105     |
| 30         | 47                 | 3    | 0,6                      | 22                          | 8  | LS 3047             | AS 3047                  | WS 81106     |
| 35         | 52                 | 3,5  | 0,6                      | 29                          | 9  | LS 3552             | AS 3552                  | WS 81107     |
| 40         | 60                 | 3,5  | 0,6                      | 40                          | 12 | LS 4060             | AS 4060                  | WS 81108     |
| 45         | 65                 | 4    | 0,6                      | 50                          | 13 | LS 4565             | AS 4565                  | WS 81109     |