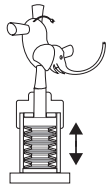
# Disc springs DIN 2093

## RBS

### Steel

- ***Disc spring washer***
- Belleville (spring) washer conforming to DIN 2093
- ***Sold in packs***



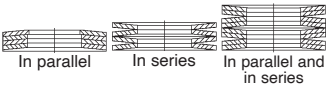


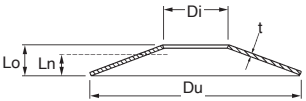

## Advantages

- Exerts large forces
- Usable under severe conditions

## Info.

- When compressed, internal Di reduces while outside diameter Du increases
- Dynamic washers can be assembled into columns of multiple washers in different configurations to obtain the performance required, e.g. a longer stroke than a single washer would give or a higher force for a shorter stroke.




**DISCOUNTS**

| Qty | 1+ | 6+ | 10+ |
|---|---|---|---|
| Disc. | List | -10% | On request |

| Part number | Diameter Outside Du | Diameter Internal Di | Thickness t | Free length Lo | Loaded length Ln | Load in Ln (N) Fn | Qty per pack | Stock* | Price per pack |
|---|---|---|---|---|---|---|---|---|---|
| RBS8214/L | 8,00 | 3,20 | 0,30 | 0,55 | 0,36 | 106 | 200 | ✔ | 28,08 € |
| RBS8215/L | 8,00 | 3,20 | 0,40 | 0,60 | 0,45 | 185 | 200 | - | 28,08 € |
| RBS8216/L | 8,00 | 4,20 | 0,30 | 0,55 | 0,36 | 118 | 200 | ✔ | 28,08 € |
| RBS8217/L | 8,00 | 4,20 | 0,40 | 0,60 | 0,45 | 206 | 200 | ✔ | 28,08 € |
| RBS8227/L | 10,00 | 3,20 | 0,30 | 0,65 | 0,39 | 100 | 200 | - | 32,77 € |
| RBS8228/L | 10,00 | 3,20 | 0,40 | 0,70 | 0,47 | 181 | 200 | - | 32,77 € |
| RBS8229/L | 10,00 | 3,20 | 0,50 | 0,75 | 0,56 | 282 | 200 | - | 32,77 € |
| RBS8230/L | 10,00 | 4,20 | 0,40 | 0,50 | 0,47 | 191 | 200 | - | 32,77 € |
| RBS8231/L | 10,00 | 4,20 | 0,50 | 0,75 | 0,56 | 296 | 200 | - | 32,77 € |
| RBS8232/L | 10,00 | 4,20 | 0,60 | 0,85 | 0,66 | 490 | 200 | - | 32,77 € |
| RBS8233/L | 10,00 | 5,20 | 0,40 | 0,70 | 0,53 | 209 | 200 | ✔ | 32,77 € |
| RBS8234/L | 10,00 | 5,20 | 0,50 | 0,75 | 0,56 | 326 | 200 | ✔ | 32,77 € |
| RBS8239/L | 12,00 | 4,20 | 0,40 | 0,80 | 0,50 | 181 | 200 | - | 32,77 € |
| RBS8240/L | 12,00 | 4,20 | 0,50 | 0,85 | 0,59 | 288 | 200 | - | 32,77 € |
| RBS8242/L | 12,00 | 5,20 | 0,50 | 0,90 | 0,60 | 349 | 200 | - | 32,77 € |
| RBS8243/L | 12,00 | 5,20 | 0,60 | 0,95 | 0,69 | 581 | 200 | ✔ | 32,77 € |
| RBS8244/L | 12,50 | 6,20 | 0,50 | 0,85 | 0,59 | 331 | 200 | ✔ | 32,77 € |
| RBS8247/L | 12,50 | 6,20 | 0,70 | 1,00 | 0,77 | 659 | 200 | ✔ | 42,14 € |
| RBS8256/L | 14,00 | 7,20 | 0,50 | 0,90 | 0,60 | 279 | 200 | ✔ | 42,14 € |
| RBS8257/L | 14,00 | 7,20 | 0,80 | 1,10 | 0,87 | 796 | 200 | - | 42,14 € |

*Depending on availability - Dimensions in mm

**DISCOUNTS**

| Qty | 1+ | 6+ | 10+ |
|---|---|---|---|
| Disc. | List | -10% | On request |

| Part number | Diameter Outside Du | Diameter Internal Di | Thickness t | Free length Lo | Loaded length Ln | Load in Ln (N) Fn | Qty per pack | Stock* | Price per pack |
|---|---|---|---|---|---|---|---|---|---|
| RBS8259/L | 15,00 | 5,20 | 0,40 | 0,95 | 0,54 | 178 | 200 | - | 42,14 € |
| RBS8260/L | 15,00 | 5,20 | 0,50 | 1,00 | 0,62 | 279 | 200 | - | 42,14 € |
| RBS8261/L | 15,00 | 5,20 | 0,60 | 1,05 | 0,71 | 407 | 200 | - | 42,14 € |
| RBS8262/L | 15,00 | 5,20 | 0,70 | 1,10 | 0,80 | 563 | 200 | - | 42,14 € |
| RBS8263/L | 15,00 | 6,20 | 0,50 | 1,00 | 0,62 | 292 | 200 | - | 42,14 € |
| RBS8264/L | 15,00 | 6,20 | 0,60 | 1,05 | 0,71 | 424 | 200 | ✔ | 42,14 € |
| RBS8265/L | 15,00 | 6,20 | 0,70 | 1,10 | 0,80 | 583 | 200 | ✔ | 42,14 € |
| RBS8266/L | 15,00 | 8,20 | 0,70 | 1,10 | 0,80 | 666 | 200 | - | 42,14 € |
| RBS8267/L | 15,00 | 8,20 | 0,80 | 1,20 | 0,90 | 1005 | 200 | ✔ | 46,85 € |
| RBS8272/L | 16,00 | 8,20 | 0,60 | 1,05 | 0,71 | 410 | 200 | - | 42,14 € |
| RBS8273/L | 16,00 | 8,20 | 0,90 | 1,25 | 0,99 | 1010 | 200 | ✔ | 46,85 € |
| RBS8275/L | 18,00 | 6,20 | 0,40 | 1,00 | 0,55 | 141 | 200 | ✔ | 42,14 € |
| RBS8276/L | 18,00 | 6,20 | 0,50 | 1,10 | 0,65 | 245 | 200 | - | 42,14 € |
| RBS8277/L | 18,00 | 6,20 | 0,60 | 1,20 | 0,75 | 400 | 200 | - | 46,85 € |
| RBS8278/L | 18,00 | 6,20 | 0,70 | 1,25 | 0,84 | 561 | 200 | - | 46,85 € |
| RBS8279/L | 18,00 | 6,20 | 0,80 | 1,30 | 0,92 | 735 | 200 | - | 52,89 € |
| RBS8280/L | 18,00 | 8,20 | 0,70 | 1,25 | 0,84 | 601 | 200 | ✔ | 46,85 € |
| RBS8281/L | 18,00 | 8,20 | 1,00 | 1,30 | 0,92 | 781 | 200 | ✔ | 51,53 € |
| RBS8282/L | 18,00 | 9,20 | 0,70 | 1,20 | 0,82 | 566 | 200 | - | 46,85 € |
| RBS8283/L | 18,00 | 9,20 | 1,00 | 1,40 | 1,10 | 1255 | 200 | - | 51,53 € |
| RBS8291/L | 20,00 | 8,20 | 0,60 | 1,30 | 0,77 | 413 | 200 | ✔ | 46,85 € |
| RBS8292/L | 20,00 | 8,20 | 0,70 | 1,35 | 0,86 | 577 | 200 | - | 46,85 € |
| RBS8293/L | 20,00 | 8,20 | 0,80 | 1,40 | 0,95 | 760 | 200 | ✔ | 51,53 € |
| RBS8295/L | 20,00 | 10,20 | 0,80 | 1,35 | 0,94 | 748 | 200 | - | 51,53 € |
| RBS8296/L | 20,00 | 10,20 | 0,90 | 1,45 | 1,04 | 1064 | 200 | - | 51,53 € |
| RBS8297/L | 20,00 | 10,20 | 1,00 | 1,55 | 1,14 | 1422 | 200 | - | 56,22 € |
| RBS8298/L | 20,00 | 10,20 | 1,10 | 1,55 | 1,21 | 1520 | 200 | - | 56,22 € |
| RBS8301/L | 22,50 | 11,20 | 0,80 | 1,45 | 0,96 | 707 | 200 | - | 51,53 € |
| RBS8302/L | 22,50 | 11,20 | 1,25 | 1,75 | 1,37 | 1932 | 200 | - | 101,38 € |
| RBS8303/L | 23,00 | 8,20 | 0,70 | 1,50 | 0,90 | 549 | 200 | - | 51,53 € |
| RBS8304/L | 23,00 | 8,20 | 0,80 | 1,55 | 0,99 | 730 | 200 | - | 51,53 € |
| RBS8305/L | 23,00 | 8,20 | 0,90 | 1,70 | 1,10 | 1079 | 200 | - | 56,22 € |
| RBS8309/L | 23,00 | 10,20 | 0,90 | 1,65 | 1,09 | 1059 | 200 | - | 56,22 € |
| RBS8310/L | 23,00 | 10,20 | 1,00 | 1,70 | 1,17 | 1314 | 200 | ✔ | 65,58 € |
| RBS8311/L | 23,00 | 12,20 | 1,25 | 1,85 | 1,40 | 2334 | 200 | - | 116,38 € |
| RBS8313/L | 25,00 | 12,20 | 0,90 | 1,60 | 1,07 | 862 | 200 | ✔ | 60,90 € |
| RBS8314/L | 25,00 | 12,20 | 1,50 | 2,05 | 1,64 | 2922 | 200 | ✔ | 118,89 € |
| RBS8321/L | 28,00 | 10,20 | 0,80 | 1,75 | 1,04 | 672 | 200 | - | 65,58 € |
| RBS8322/L | 28,00 | 10,20 | 1,00 | 2,00 | 1,25 | 1285 | 200 | - | 70,27 € |
| RBS8324/L | 28,00 | 12,20 | 1,00 | 1,95 | 1,24 | 1265 | 200 | ✔ | 70,27 € |
| RBS8325/L | 28,00 | 12,20 | 1,25 | 2,10 | 1,46 | 2079 | 200 | - | 119,56 € |
| RBS8326/L | 28,00 | 12,20 | 1,50 | 2,25 | 1,69 | 3079 | 200 | - | 127,21 € |
| RBS8327/L | 28,00 | 14,20 | 1,00 | 1,80 | 1,20 | 1108 | 200 | - | 70,27 € |
| RBS8328/L | 28,00 | 14,20 | 1,25 | 2,10 | 1,46 | 2236 | 200 | - | 119,56 € |
| RBS8329/L | 28,00 | 14,20 | 1,50 | 2,15 | 1,66 | 2844 | 200 | - | 158,61 € |

*Depending on availability - Dimensions in mm

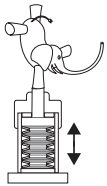
# Disc springs DIN 2093

## RBS

### Steel

NUOVO !

- **Disc spring washer**
- Belleville (spring) washer conforming to DIN 2093
- **Sold in packs**
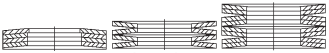




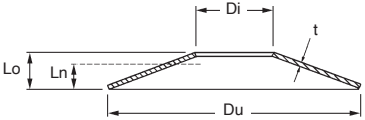
## Advantages

- Exerts large forces
- Usable under severe conditions

## Info.

- When compressed, internal diameter Di reduces while outside diameter Du increases
- Dynamic washers can be assembled into columns of multiple washers in different configurations to obtain the performance required, e.g. a longer stroke than a single washer would give or a higher force for a shorter stroke.




**DISCOUNTS**

| Qty | 1+ | 6+ | 10+ |
|---|---|---|---|
| Disc. | List | -10% | On request |

| Part number | Diameter Outside Du | Diameter Internal Di | Thickness t | Free length Lo | Loaded length Ln | Load in Ln (N) Fn | Qty per pack | Stock* | Price per pack |
|---|---|---|---|---|---|---|---|---|---|
| RBS8334/L | 31,50 | 16,30 | 1,25 | 2,15 | 1,47 | 1912 | 100 | ✔ | 60,84 € |
| RBS8335/L | 31,50 | 16,30 | 1,75 | 2,45 | 1,92 | 3874 | 100 | ✔ | 73,59 € |
| RBS8345/L | 34,00 | 14,30 | 1,25 | 2,40 | 1,54 | 2010 | 100 | - | 82,05 € |
| RBS8346/L | 34,00 | 14,30 | 1,50 | 2,55 | 1,76 | 2991 | 100 | - | 81,08 € |
| RBS8347/L | 34,00 | 16,30 | 1,50 | 2,55 | 1,76 | 3187 | 100 | - | 85,97 € |
| RBS8348/L | 34,00 | 16,30 | 2,00 | 2,85 | 2,41 | 5776 | 100 | - | 90,10 € |
| RBS8352/L | 35,50 | 18,30 | 1,25 | 2,25 | 1,50 | 1716 | 100 | - | 70,65 € |
| RBS8353/L | 35,50 | 18,30 | 2,00 | 2,80 | 2,20 | 5256 | 100 | - | 94,31 € |
| RBS8364/L | 40,00 | 16,30 | 1,50 | 2,80 | 1,82 | 2775 | 100 | - | 108,62 € |
| RBS8365/L | 40,00 | 16,30 | 2,00 | 3,10 | 2,27 | 5247 | 100 | - | 137,07 € |
| RBS8366/L | 40,00 | 18,30 | 2,00 | 3,15 | 2,29 | 5688 | 100 | - | 140,63 € |
| RBS8367/L | 40,00 | 20,40 | 1,50 | 2,65 | 1,79 | 2648 | 100 | ✔ | 105,68 € |
| RBS8368/L | 40,00 | 20,40 | 2,00 | 3,10 | 2,27 | 5766 | 100 | ✔ | 109,60 € |
| RBS8369/L | 40,00 | 20,40 | 2,25 | 3,15 | 2,47 | 6551 | 100 | - | 116,01 € |
| RBS8370/L | 40,00 | 20,40 | 2,50 | 3,45 | 2,74 | 9512 | 100 | - | 137,26 € |

*Depending on availability - Dimensions in mm