

## SBI SL Raydent

Standard block without flange.

Side nipple, dustproof end seal and self-lubricant container end seal as option.

\* S: Bolt size for bottom mounting type of block

Blocks and rails are in Raydent treated material:

- Corrosion resistant
- Patented black surface
- Delivered with steel balls of standard bearing steel.

Stainless steel balls are available on special request and for a few sizes only. Contact Rollco for more information.

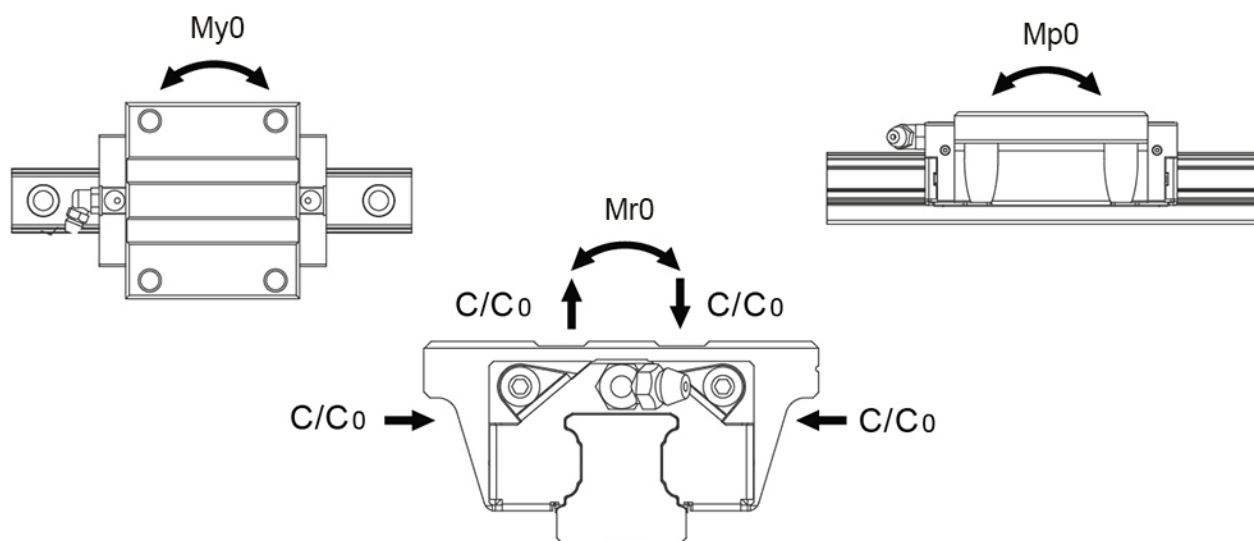
Dimensions in mm.

Lead times in the table below are only indications. Choice of preload and other options will affect lead time. Please contact us for exact delivery time for your request.

Note! Remember to choose Raydent under Surface Treatment when configuring your product.



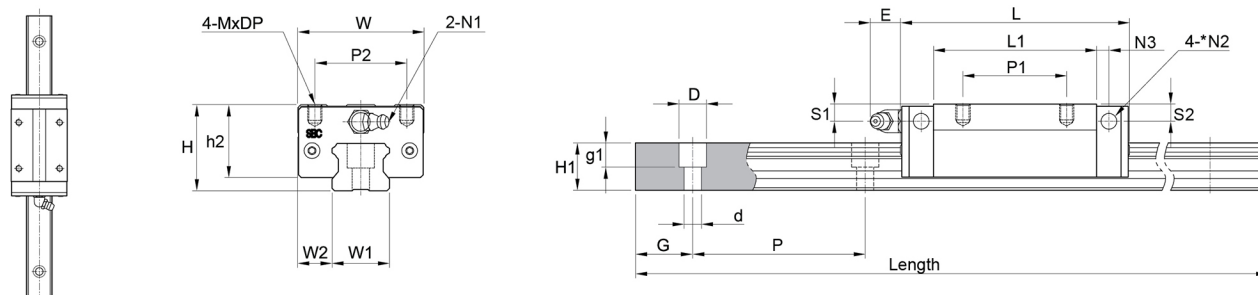
## General Data



| Designation | Dynamic Load Capacity C (N) | Static Load Capacity C <sub>0</sub> (N) | Static Moment Mr <sub>0</sub> (Nm) | Static Moment Mp <sub>0</sub> (Nm) | Static Moment My <sub>0</sub> (Nm) |
|-------------|-----------------------------|-----------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| SBI15SL-R   | 14100                       | 24100                                   | 160                                | 170                                | 170                                |
| SBI20SL-R   | 22200                       | 38200                                   | 360                                | 330                                | 330                                |
| SBI25SL-R   | 31500                       | 52100                                   | 560                                | 560                                | 560                                |
| SBI30SL-R   | 42800                       | 65400                                   | 850                                | 770                                | 770                                |
| SBI35SL-R   | 59500                       | 89100                                   | 1420                               | 1280                               | 1280                               |
| SBI45SL-R   | 97200                       | 116300                                  | 2480                               | 1900                               | 1900                               |
| SBI55SL-R   | 127300                      | 181800                                  | 4810                               | 2970                               | 2970                               |
| SBI65SL-R   | 188300                      | 261700                                  | 8240                               | 5570                               | 5570                               |

| Designation | Dynamic Moment Mr (Nm) | Dynamic Moment Mp (Nm) | Dynamic Moment My (Nm) | Weight Block (g) | Weight Rail (g/m) |
|-------------|------------------------|------------------------|------------------------|------------------|-------------------|
| SBI15SL-R   | 94                     | 99                     | 99                     | 190              | 1300              |
| SBI20SL-R   | 209                    | 192                    | 192                    | 410              | 2200              |
| SBI25SL-R   | 339                    | 339                    | 339                    | 690              | 3000              |
| SBI30SL-R   | 556                    | 504                    | 504                    | 1040             | 4250              |
| SBI35SL-R   | 948                    | 855                    | 855                    | 1560             | 6020              |
| SBI45SL-R   | 2073                   | 1588                   | 1588                   | 2800             | 9770              |
| SBI55SL-R   | 3368                   | 2080                   | 2080                   | 4420             | 13720             |
| SBI65SL-R   | 5929                   | 4008                   | 4008                   | 9100             | 23170             |

## Dimensions



| Designation | L     | H  | W   | W1 | W2   | L1    | H1   | h2   | S1   |
|-------------|-------|----|-----|----|------|-------|------|------|------|
| SBI15SL-R   | 63.8  | 28 | 34  | 15 | 9.5  | 45.2  | 13   | 25   | 8.5  |
| SBI20SL-R   | 78.8  | 30 | 44  | 20 | 12   | 56.8  | 16.5 | 25.4 | 6    |
| SBI25SL-R   | 92    | 40 | 48  | 23 | 12.5 | 70    | 20   | 34.5 | 10   |
| SBI30SL-R   | 107.6 | 45 | 60  | 28 | 16   | 79.6  | 23   | 38   | 11.5 |
| SBI35SL-R   | 124.6 | 55 | 70  | 34 | 18   | 94.6  | 26   | 47.5 | 15   |
| SBI45SL-R   | 142   | 70 | 86  | 45 | 20.5 | 108   | 32   | 61   | 20.5 |
| SBI55SL-R   | 172.4 | 80 | 100 | 53 | 23.5 | 131   | 38   | 68   | 22   |
| SBI65SL-R   | 219.8 | 90 | 126 | 63 | 31.5 | 170.4 | 53   | 71   | 14   |

| Designation | S2   | D x d x g1      | Hole Pitch (P) | MxDP   | N1      | N2    | N3  | P1 | P2 | E    |
|-------------|------|-----------------|----------------|--------|---------|-------|-----|----|----|------|
| SBI15SL-R   | 7.8  | 7.5 x 4.5 x 5.5 | 60             | M4x5   | M4x0.7  | Ø 3.5 | 3.8 | 26 | 26 | 5.5  |
| SBI20SL-R   | 5.8  | 9.5 x 6 x 8.5   | 60             | M5x5   | M6x0.75 | Ø 3.5 | 5   | 36 | 32 | 12   |
| SBI25SL-R   | 9    | 11 x 7 x 9      | 60             | M6x8   | M6x0.75 | Ø 3.5 | 5   | 35 | 35 | 12   |
| SBI30SL-R   | 10.8 | 14 x 9 x 12     | 80             | M8x10  | M6x0.75 | Ø 5.7 | 5   | 40 | 40 | 12   |
| SBI35SL-R   | 15   | 14 x 9 x 12     | 80             | M8x10  | M6x0.75 | Ø 5.7 | 6   | 50 | 50 | 12   |
| SBI45SL-R   | 19.3 | 20 x 14 x 17    | 105            | M10x13 | PT1/8   | Ø 5.7 | 6.5 | 60 | 60 | 13.5 |
| SBI55SL-R   | 22   | 23 x 16 x 20    | 120            | M12x18 | PT1/8   | Ø 8.7 | 8   | 75 | 75 | 13   |
| SBI65SL-R   | 14   | 26 x 18 x 22    | 150            | M16x16 | PT1/8   | Ø 8.7 | 10  | 70 | 76 | 13   |

| Designation | G    | P   | Length |
|-------------|------|-----|--------|
| SBI15SL-R   | 20   | 60  | 3000   |
| SBI20SL-R   | 20   | 60  | 4000   |
| SBI25SL-R   | 20   | 60  | 4000   |
| SBI30SL-R   | 20   | 80  | 4000   |
| SBI35SL-R   | 20   | 80  | 4000   |
| SBI45SL-R   | 22.5 | 105 | 4000   |
| SBI55SL-R   | 30   | 120 | 4000   |
| SBI65SL-R   | 35   | 150 | 4000   |