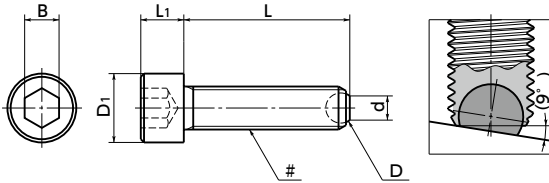


# SCB-F(INCH)/SCBS-F(INCH)

Clamping Bolts - Flat Ball (Inch Thread)



- Contact surface is a flat ball. Workpiece is not damaged.
- The ball rotates flexibly . It securely clamps even when the mating part is tilted.
- For tool holder set screw and pressure piece stopper.
- We also produce products of special specifications, e.g. nominal diameter of thread, length and surface treatment. Please contact our customer service.

## Material/Finish



|             | SCB-F(INCH)                  | Made of Steel | SCBS-F(INCH)                    | Made of Stainless Steel |
|-------------|------------------------------|---------------|---------------------------------|-------------------------|
| Thread Part | Alloy steel                  |               | Equivalent to SUS304            |                         |
| Ball        | SUJ2 (Hardness: 55 - 60 HRC) |               | SUS440C (Hardness: 55 - 60 HRC) |                         |

Unit : Inch

| Part Number<br>Steel    | Part Number<br>Stainless Steel | # Nominal of Thread | L       | D1    | D     | d     | L1    | B      | Mass (g) |
|-------------------------|--------------------------------|---------------------|---------|-------|-------|-------|-------|--------|----------|
| SCB-#8-32-1 / 2-F       | SCBS-#8-32-1 / 2-F             | No.8-32UNC          | 1/2     | 0.27  | 0.098 | 0.079 | 0.164 | 9 / 64 | 2.3      |
| SCB-#10-24-1 / 2-F      | SCBS-#10-24-1 / 2-F            | No.10-24UNC         | 1/2     | 0.312 | 0.118 | 0.098 | 0.19  | 5 / 32 | 3.3      |
| SCB-#10-24-5 / 8-F      | SCBS-#10-24-5 / 8-F            | No.10-24UNC         | 5/8     | 0.312 | 0.118 | 0.098 | 0.19  | 5 / 32 | 3.6      |
| SCB-#10-32-1 / 2-F      | SCBS-#10-32-1 / 2-F            | No.10-32UNF         | 1/2     | 0.312 | 0.118 | 0.098 | 0.19  | 5 / 32 | 3.4      |
| SCB-#10-32-5 / 8-F      | SCBS-#10-32-5 / 8-F            | No.10-32UNF         | 5/8     | 0.312 | 0.118 | 0.098 | 0.19  | 5 / 32 | 3.7      |
| SCB-1 / 4-20-5 / 8-F    | SCBS-1 / 4-20-5 / 8-F          | 1/4-20UNC           | 5/8     | 0.375 | 0.157 | 0.126 | 0.25  | 3 / 16 | 6.7      |
| SCB-1 / 4-20-3 / 4-F    | SCBS-1 / 4-20-3 / 4-F          | 1/4-20UNC           | 3/4     | 0.375 | 0.157 | 0.126 | 0.25  | 3 / 16 | 7.2      |
| SCB-1 / 4-20-1 1 / 4-F  | SCBS-1 / 4-20-1 1 / 4-F        | 1/4-20UNC           | 1 - 1/4 | 0.375 | 0.157 | 0.126 | 0.25  | 3 / 16 | 9.6      |
| SCB-5 / 16-18-7 / 8-F   | SCBS-5 / 16-18-7 / 8-F         | 5/16-18UNC          | 7/8     | 0.469 | 0.219 | 0.177 | 0.312 | 1 / 4  | 13.9     |
| SCB-5 / 16-18-1 1 / 4-F | SCBS-5 / 16-18-1 1 / 4-F       | 5/16-18UNC          | 1 - 1/4 | 0.469 | 0.219 | 0.177 | 0.312 | 1 / 4  | 16.8     |
| SCB-5 / 16-18-1 1 / 2-F | SCBS-5 / 16-18-1 1 / 2-F       | 5/16-18UNC          | 1 - 1/2 | 0.469 | 0.219 | 0.177 | 0.312 | 1 / 4  | 18.7     |
| SCB-3 / 8-16-1-F        | SCBS-3 / 8-16-1-F              | 3/8-16UNC           | 1       | 0.562 | 0.219 | 0.177 | 0.375 | 5 / 16 | 23.5     |
| SCB-3 / 8-16-1 1 / 2-F  | SCBS-3 / 8-16-1 1 / 2-F        | 3/8-16UNC           | 1 - 1/2 | 0.562 | 0.219 | 0.177 | 0.375 | 5 / 16 | 29.2     |
| SCB-1 / 2-13-2-F        | SCBS-1 / 2-13-2-F              | 1/2-13UNC           | 2       | 0.75  | 0.313 | 0.276 | 0.5   | 3 / 8  | 70.4     |

• All dimensions are in inches.

## Part number specification

**SCB-#8-32-1/2-F**



SCB-F(INCH) and SCBS-F(INCH) are sold only for North America.

|                                     |                            |                                  |                              |
|-------------------------------------|----------------------------|----------------------------------|------------------------------|
| Cleanroom Wash & Packaging → P.0000 | Screw Combination → P.0000 | Screw Length Adjustment → P.0000 | Vibration Resistant → P.0000 |
| Not Available                       | Not Available              | Not Available                    | Available / Add'l charge     |