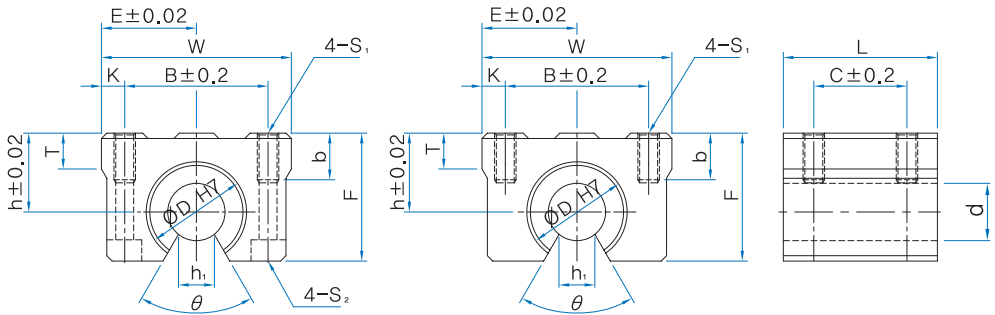


CSO type

European Super Ball Bushing Block



Open type (with 1pc of SBEO)



B Type

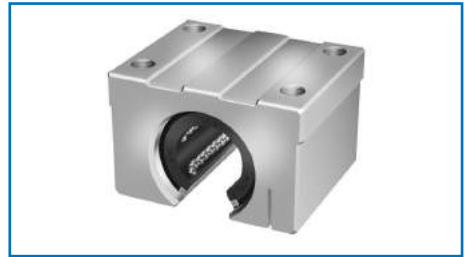
Unit : mm

| Part No. | Dimensions | | | | | | | | | Mounting Dimensions | | | | | | Shaft D | No. Ball rows | Basic Load Ratings | | |
|------------|------------|----|------|-----|-----|----|----|----------------|-----|---------------------|----|-----|----|----------------|----------------|------------|---------------------|--------------------|--------------------|---------------|
| | D | h | E | W | L | F | T | h ₁ | θ | B | C | K | b | S ₁ | S ₂ | | | dyn. C (N) | stat. Co (N) | weight (g) |
| CSO 16UU | 26 | 22 | 26.5 | 53 | 43 | 35 | 8 | 9 | 68° | 40 | 26 | 6.5 | 13 | M6 | - | 16 | 4 | 1332 | 715 | 160 |
| CSO 16UU-B | | | | | | | | | | | | | | | M5 | | | | | |
| CSO 20UU | 32 | 25 | 30 | 60 | 54 | 42 | 10 | 9 | 55° | 45 | 32 | 7.5 | 18 | M8 | - | 20 | 5 | 2371 | 1274 | 280 |
| CSO 20UU-B | | | | | | | | | | | | | | | M6 | | | | | |
| CSO 25UU | 40 | 30 | 39 | 78 | 67 | 51 | 13 | 11.5 | 57° | 60 | 40 | 9 | 22 | M10 | - | 25 | 5 | 4557 | 2234 | 552 |
| CSO 25UU-B | | | | | | | | | | | | | | | M8 | | | | | |
| CSO 30UU | 47 | 35 | 43.5 | 87 | 79 | 60 | 15 | 14 | 57° | 68 | 45 | 9.5 | 22 | M10 | - | 30 | 5 | 5644 | 3018 | 846 |
| CSO 30UU-B | | | | | | | | | | | | | | | M8 | | | | | |
| CSO 40UU | 62 | 45 | 54 | 108 | 91 | 77 | 20 | 19.5 | 56° | 86 | 58 | 11 | 26 | M12 | - | 40 | 5 | 9398 | 4410 | 1516 |
| CSO 40UU-B | | | | | | | | | | | | | | | M10 | | | | | |
| CSO 50UU | 75 | 50 | 66 | 132 | 113 | 88 | 25 | 22.5 | 54° | 108 | 50 | 12 | 34 | M16 | - | 50 | 5 | 13857 | 6860 | 2546 |
| CSO 50UU-B | | | | | | | | | | | | | | | M12 | | | | | |

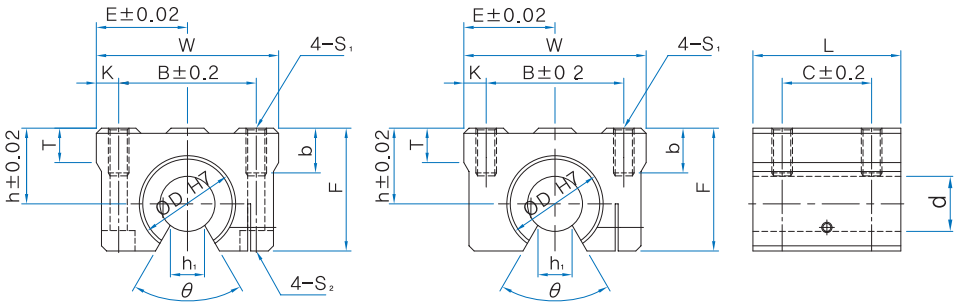
1N ≅ 0.102kgf

CSO-A type

European Super Ball Bushing Block



Open adjustable clearance type(with 1pc of SBEO)



Super Ball Bushing

B Type

Unit : mm

| Part No. | Dimensions | | | | | | | | | Mounting Dimensions | | | | | Shaft D | No. Ball rows | Basic Load Ratings | | weight (g) | |
|-------------|------------|----|------|-----|-----|----|----|----------------|-----|---------------------|----|-----|----|----------------|---------|---------------|--------------------|------------|------------|--------------|
| | D | h | E | W | L | F | T | h ₁ | θ | B | C | K | b | S ₁ | | | S ₂ | dyn. C (N) | | stat. Co (N) |
| CSO 16AUU | 26 | 22 | 26.5 | 53 | 43 | 35 | 8 | 9 | 68° | 40 | 26 | 6.5 | 13 | M6 | - | 16 | 4 | 1332 | 715 | 158 |
| CSO 16AUU-B | | | | | | | | | | | | | | | | | | | | |
| CSO 20AUU | 32 | 25 | 30 | 60 | 54 | 42 | 10 | 9 | 55° | 45 | 32 | 7.5 | 18 | M8 | - | 20 | 5 | 2371 | 1274 | 277 |
| CSO 20AUU-B | | | | | | | | | | | | | | | | | | | | |
| CSO 25AUU | 40 | 30 | 39 | 78 | 67 | 51 | 13 | 11.5 | 57° | 60 | 40 | 9 | 22 | M10 | - | 25 | 5 | 4557 | 2234 | 548 |
| CSO 25AUU-B | | | | | | | | | | | | | | | | | | | | |
| CSO 30AUU | 47 | 35 | 43.5 | 87 | 79 | 60 | 15 | 14 | 57° | 68 | 45 | 9.5 | 22 | M10 | - | 30 | 5 | 5644 | 3018 | 840 |
| CSO 30AUU-B | | | | | | | | | | | | | | | | | | | | |
| CSO 40AUU | 62 | 45 | 54 | 108 | 91 | 77 | 20 | 19.5 | 56° | 86 | 58 | 11 | 26 | M12 | - | 40 | 5 | 9398 | 4410 | 1510 |
| CSO 40AUU-B | | | | | | | | | | | | | | | | | | | | |
| CSO 50AUU | 75 | 50 | 66 | 132 | 113 | 88 | 25 | 22.5 | 54° | 108 | 50 | 12 | 34 | M16 | - | 50 | 5 | 13857 | 6860 | 2535 |
| CSO 50AUU-B | | | | | | | | | | | | | | | | | | | | |

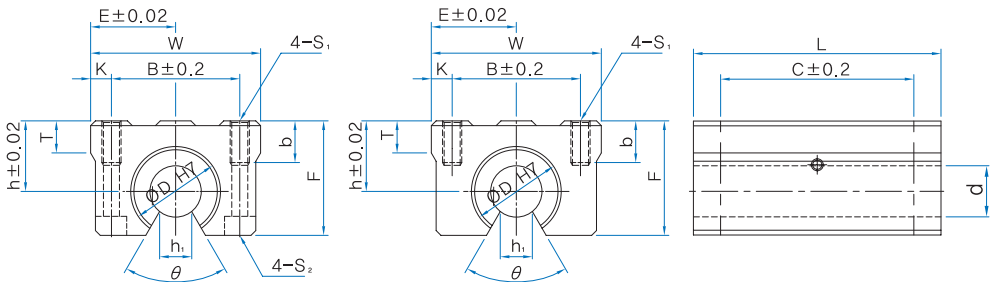
1N ≙ 0,102kgf

CSOW type

European Super Ball Bushing Block



Double open type(with 2pcs of SBEO)



B Type

Unit : mm

| Part No. | Dimensions | | | | | | | | | Mounting Dimensions | | | | Shaft d | No. Ball rows | Basic Load Ratings | | weight (g) | | |
|-------------|------------|----|------|-----|-----|----|----|----------------|-----|---------------------|-----|-----|----|------------|---------------------|--------------------|----------------|---------------|------------------|--------------------|
| | D | h | E | W | L | F | T | h ₁ | θ | B | C | K | b | | | S ₁ | S ₂ | | dyn. C (N) | stat. Co (N) |
| CSOW 16UU | 26 | 22 | 26.5 | 53 | 84 | 35 | 10 | 9 | 68° | 40 | 64 | 6.5 | 13 | M6 | - | 16 | 4 | 2195 | 1430 | 338 |
| CSOW 16UU-B | | | | | | | | | | | | | | | | | | | | |
| CSOW 20UU | 32 | 25 | 30 | 60 | 104 | 42 | 12 | 9 | 55° | 45 | 76 | 7.5 | 18 | M8 | - | 20 | 5 | 3871 | 2548 | 552 |
| CSOW 20UU-B | | | | | | | | | | | | | | | | | | | | |
| CSOW 25UU | 40 | 30 | 39 | 78 | 130 | 51 | 15 | 11.5 | 57° | 60 | 94 | 9 | 22 | M10 | - | 25 | 5 | 9408 | 4468 | 1092 |
| CSOW 25UU-B | | | | | | | | | | | | | | | | | | | | |
| CSOW 30UU | 47 | 35 | 43.5 | 87 | 152 | 60 | 17 | 14 | 57° | 68 | 106 | 9.5 | 22 | M10 | - | 30 | 5 | 9212 | 6036 | 1656 |
| CSOW 30UU-B | | | | | | | | | | | | | | | | | | | | |
| CSOW 40UU | 62 | 45 | 54 | 108 | 176 | 77 | 22 | 19.5 | 56° | 86 | 124 | 11 | 26 | M12 | - | 40 | 5 | 15288 | 8820 | 3062 |
| CSOW 40UU-B | | | | | | | | | | | | | | | | | | | | |
| CSOW 50UU | 75 | 50 | 66 | 132 | 224 | 88 | 25 | 22.5 | 54° | 108 | 160 | 12 | 35 | M16 | - | 50 | 5 | 21854 | 13720 | 5042 |
| CSOW 50UU-B | | | | | | | | | | | | | | | | | | | | |

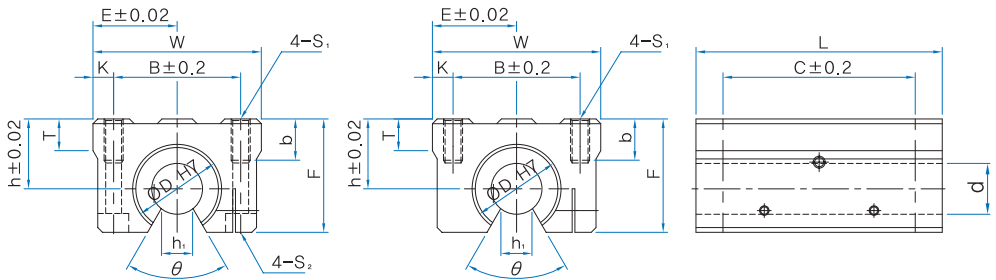
1N ≙ 0.102kgf

CSOW-A type

European Super Ball Bushing Block



Double Open adjustable clearance type(with 2pcs of SBEO)



Super Ball Bushing

B Type

Unit : mm

| Part No. | Dimensions | | | | | | | | Mounting Dimensions | | | | | | Shaft d | No. Ball rows | Basic Load Ratings | | weight (g) | |
|--------------|------------|----|------|-----|-----|----|----|----------------|---------------------|-----|-----|-----|----|----------------|---------|---------------|--------------------|------------|------------|--------------|
| | D | h | E | W | L | F | T | h ₁ | θ | B | C | K | b | S ₁ | | | S ₂ | dyn. C (N) | | stat. Co (N) |
| CSOW 16AUU | 26 | 22 | 26.5 | 53 | 84 | 35 | 10 | 9 | 68° | 40 | 64 | 6.5 | 13 | M6 | - | 16 | 4 | 2195 | 1430 | 330 |
| CSOW 16AUU-B | | | | | | | | | | | | | | | M5 | | | | | |
| CSOW 20AUU | 32 | 25 | 30 | 60 | 104 | 42 | 12 | 9 | 55° | 45 | 76 | 7.5 | 18 | M8 | - | 20 | 5 | 3871 | 2548 | 540 |
| CSOW 20AUU-B | | | | | | | | | | | | | | | M6 | | | | | |
| CSOW 25AUU | 40 | 30 | 39 | 78 | 130 | 51 | 15 | 11.5 | 57° | 60 | 94 | 9 | 22 | M10 | - | 25 | 5 | 9408 | 4468 | 1080 |
| CSOW 25AUU-B | | | | | | | | | | | | | | | M8 | | | | | |
| CSOW 30AUU | 47 | 35 | 43.5 | 87 | 152 | 60 | 17 | 14 | 57° | 68 | 106 | 9.5 | 22 | M10 | - | 30 | 5 | 9212 | 6036 | 1645 |
| CSOW 30AUU-B | | | | | | | | | | | | | | | M8 | | | | | |
| CSOW 40AUU | 62 | 45 | 54 | 108 | 176 | 77 | 22 | 19.5 | 56° | 86 | 124 | 11 | 26 | M12 | - | 40 | 5 | 15288 | 8820 | 3045 |
| CSOW 40AUU-B | | | | | | | | | | | | | | | M10 | | | | | |
| CSOW 50AUU | 75 | 50 | 66 | 132 | 224 | 88 | 25 | 22.5 | 54° | 108 | 160 | 12 | 35 | M16 | - | 50 | 5 | 21854 | 13720 | 5030 |
| CSOW 50AUU-B | | | | | | | | | | | | | | | M12 | | | | | |

1N ≅ 0.102kgf