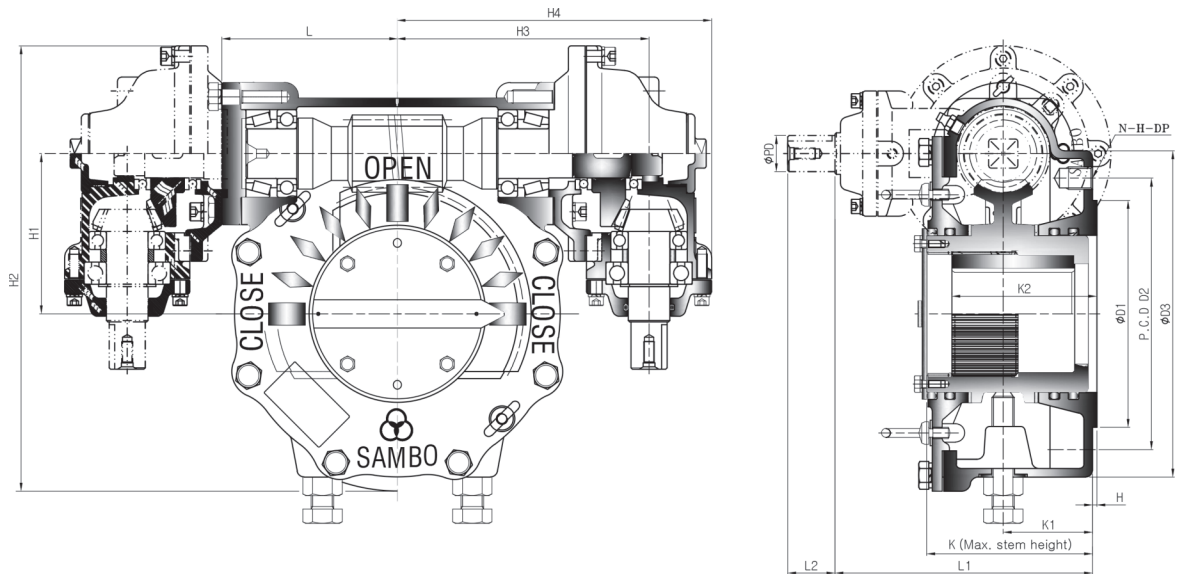
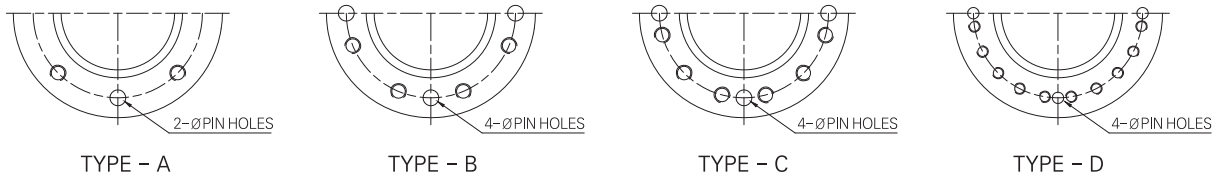


STANDARD TYPE-B

Vertical Input with Single Reduction Gear Attachment



• Pin hole size is same as tap out diameter



Dimension

UNIT : mm

| MODEL | DIM | BASE PART | | | | | | EXTERNAL PART | | | | | | | | INPUT SHAFT PART | | | HAND WHEEL | | | | | |
|------------|-----|----------------|--------|--------|-----------|-----------|-----|---------------|--------|-------|-------|-------|-----|------|-------|------------------|----|----|------------|-----|-----|-----|------|-----|
| | | TYPE | FLANGE | ØD1 | P.C.D | | ØD3 | H | H1 | H2 | H3 | H4 | K | K1 | K2 | L | L1 | L2 | | ØPD | KEY | | | |
| | | | | | ØD2 | N-H-DP | | | | | | | | | | | | | | | | | | |
| SBWG-00-2B | A | F-12 | 85 | 125 | 4-M12-18 | 165 | 2 | 69.5 | 214.5 | 126 | 166 | 86.5 | 43 | 53.6 | 86 | 132 | 34 | 26 | 8X7 | 250 | | | | |
| SBWG-01-2B | | F-14 | 100 | 140 | 4-M16-24 | 190 | | 82.5 | 240 | 135 | 175 | 96 | 53 | 65 | 95 | 142 | | | | | | | | |
| SBWG-02-2B | | F-16 | 130 | 165 | 4-M20-30 | 220 | | 97 | 284.5 | 164 | 214 | 109.5 | 56 | 75.5 | 108 | 177 | | | | | | | | |
| SBWG-03-2B | B | (F-16) F-20 | 160 | 205 | 8-M16-24 | 250 | 3 | 112 | 314.5 | 174 | 224 | 116 | 59 | 87 | 118 | 180 | 34 | 26 | 8X7 | 300 | | | | |
| SBWG-35-2B | | F-25 | 200 | 254 | 8-M16-24 | 300 | | 127 | 342 | 192 | 242 | 126 | 63 | 91 | 125 | 184 | | | | | | | | |
| SBWG-04-2B | | F-25 | 200 | 254 | 8-M16-24 | 300 | | 153 | 406.5 | 212.5 | 262.5 | 147 | 73 | 120 | 153 | 204 | | | | | | | | |
| SBWG-05-2B | | F-30 | 230 | 298 | 8-M20-30 | 350 | | 180 | 458.5 | 222.5 | 272.5 | 155 | 78 | 141 | 163 | 209 | | | | | | | | |
| SBWG-55-2B | | | 350 | 202 | 505.5 | 242.5 | | 292.5 | 162 | 80 | 144 | 183 | 211 | | | | | | | | | | | |
| SBWG-06-2B | | F-35 | 260 | 356 | 8-M30-45 | 415 | | 230 | 598.5 | 312 | 377 | 200 | 109 | 175 | 117 | 297 | | | | | 34 | 32 | 10X8 | 630 |
| SBWG-07-2B | | F-40 | 300 | 406 | 8-M36-55 | 475 | | 280.5 | 700.5 | 347 | 412 | 227 | 116 | 209 | 252 | 303 | | | | | | | | |
| SBWG-75-2B | | C | F-48 | 370 | 483 | 12-M36-55 | | 560 | 5 | 326 | 818.5 | 414 | 479 | 246 | 120 | 220 | | | | | 279 | 328 | 34 | 32 |
| SBWG-08-2B | 560 | | | | | | 379 | 954 | | 498 | 580.5 | 254 | 125 | 245 | 314 | 391 | 44 | 38 | 12X8 | 800 | | | | |
| SBWG-09-2B | D | F-60 | 470 | 603 | 20-M36-55 | 700 | 5 | 448.5 | 1118.5 | 550 | 632.5 | 284 | 138 | 270 | 354 | 429 | 44 | 38 | 12X8 | 900 | | | | |
| SBWG-10-2B | | | | | | 800 | | 513 | 1281 | 742 | 824.5 | 352 | 164 | 330 | 426 | 477 | | | | | | | | |
| SBWG-11-2B | | | | | | 900 | | 616.5 | 1489.5 | 784.5 | 867 | 400 | 181 | 370 | 468.5 | 494 | | | | | | | | |
| SBWG-12-2B | | | | | | 1000 | | 711 | 1711 | 886 | 986 | 484 | 265 | 455 | 554 | 651 | | | | | | | | |
| SBWG-13-2B | | 1000 | 809 | 1941.5 | 947 | 1047 | | 546 | 301 | 515 | 609 | 710 | 58 | 50 | 16X10 | 1000 | | | | | | | | |

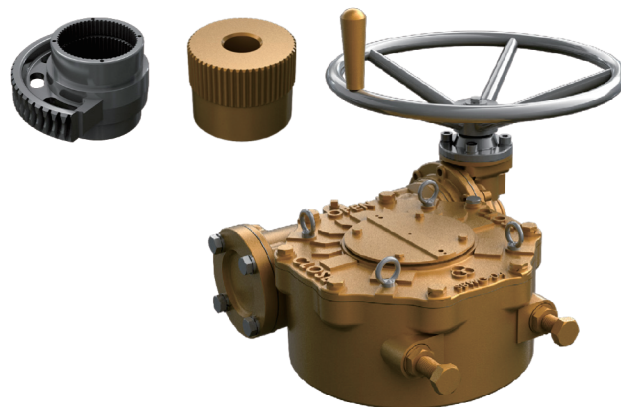
Worm Gear Actuators

❖ Feature

- All mounting bases conform to ISO 5210/1 standards.
- All castings are ductile iron, Class 65-45-12 excellent strength and impact resistance.
- Worm gear material is available in two option.
 - ▶ Ductile iron, Class 80-55-06
 - ▶ Aluminum bronze, B148-C95800
- Worm is 1045 heat treated Carbon steel.
- Removable splined bushing to permit accurate positioning between gear drive and valve stem.
- Options include hand wheels, chain wheels and etc.

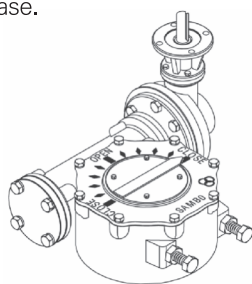
Bushing Type

Splines permit accurate alignment of valve stem key.



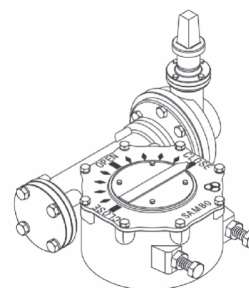
M · O · V OPTION

Worm Gear can be provided with Motor actuator input flanges to accept standard ISO Mounting Base.



SQUARE NUT OPTION

Input can be equipped with a Handwheel locking device for Manually operated units.



❖ Selection Chart for Manual Operation

| SIZE MODEL | GEAR RATIO | MAX. STEM ACCEPTANCE | MOUNTING OPTION & STANDARD | MAX. TORQUE CAPACITY | | WEIGHT |
|---------------|------------|----------------------|----------------------------|----------------------|---------|--------|
| | | | | N-m | Ft. lbf | Kg |
| SBWG-00-2B | 80 : 1 | 36 (10X8) | F-10 , F-12 | 1200 | 885 | 15 |
| SBWG-01-2B | 88 : 1 | 46 (14X9) | F-10 , F-12 , F-14 | 2000 | 1475 | 18 |
| SBWG-02-2B | 120 : 1 | 60 (18X11) | F-12 , F-14 , F-16 | 2800 | 2065 | 29 |
| SBWG-03-2B | 130 : 1 | 75 (20X12) | F-14 , F-16 , (F-20) | 4300 | 3172 | 37 |
| SBWG-35-2B | 130 : 1 | 80 (22X14) | F-16 , (F-20) , F-25 | 6100 | 4499 | 48 |
| SBWG-04-2B | 168 : 1 | 95 (25X14) | F-16 , (F-20) , F-25 | 10400 | 7671 | 66 |
| SBWG-05-2B | 180 : 1 | 115 (32X18) | F-25 , F-30 | 15900 | 11727 | 88 |
| SBWG-55-2B | 186 : 1 | 125 (32X18) | F-25 , F-30 | 23500 | 17333 | 107 |
| SBWG-06-2B | 256 : 1 | 140 (36X20) | F-25 , F-30 , F-35 | 32800 | 24192 | 175 |
| SBWG-07-2B | 272 : 1 | 180 (45X25) | F-30 , F-35 , F-40 | 51100 | 37689 | 271 |
| SBWG-75-2B | 330 : 1 | 210 (50X28) | F-35 , F-40 , F-48 | 81500 | 60111 | 390 |
| SBWG-08-2B | 363 : 1 | 250 (56X32) | F-40 , F-48 | 121000 | 89245 | 544 |
| SBWG-09-2B | 396 : 1 | 280 (63X32) | F-48 , F-60 | 192500 | 141981 | 920 |
| SBWG-10-2B | 416 : 1 | 320 (70X36) | F-60 | 275000 | 202830 | 1483 |
| SBWG-11-2B | 442 : 1 | 360 (80X40) | F-60 | 442000 | 326002 | 2239 |
| SBWG-12-2B | 490 : 1 | 400 (90X45) | F-60 , (F-80) | 610000 | 449913 | 3116 |
| SBWG-13-2B | 544 : 1 | 440 (100X50) | F-60 , (F-80) | 970000 | 715435 | 4118 |

Size and component specification in this catalogue are subject to change without prior notice for quality improvement.