

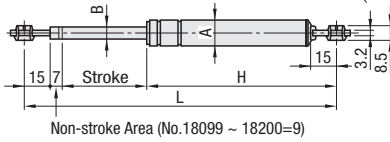
Gas Springs

Mounting Orientation Limited Type

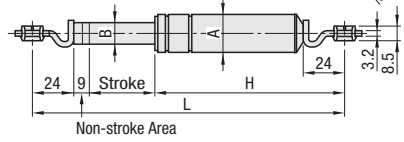


FGS

No.15049~No.18200



No.22250~No.22360



Material

Cylinder: STKM11A

(Carbon Steel Hollows for Machine Structural Use)

Rod : S20C

Bushing: Polyacetal Resin (White)

Gas : Nitrogen Gas (N₂)

Surface Treatment

Cylinder: Baked Paint (Black Matt)

Rod: Hard Chrome Plating

Operating Temperature: -20 ~ 60°C

For No.15049, operating temperature should be 0 ~ 60°C.

| Part Number | | Max. Length | Min. Length | Stroke | Gas Reaction Force (20°C) | | | | O.D. | Rod Dia. | H | Applicable Mounting Bracket | Weight (g) | Unit Price | | | |
|-------------|-------------|-------------|-------------|--------|---------------------------|------|-------|--------------------|------|----------|-----|---|------------|------------|--------------------------|---|-----|
| Type | No. | | | | Reaction Force (Fa) | Lmax | Lmin | Lmax - 10mm Stroke | | | | | | | Lmax - (S) in the Stroke | | |
| | | | | | | | | N | | | | | | | kgf | N | kgf |
| FGS | 15049 - 030 | 181 | 132 | 49 | 30 | 3.0 | 40 | 4.1 | 15 | 7 | 110 | GSBR6A GSBR6B GSBR6C GSBR6D (P.384) | | | | | |
| | 15049 - 055 | | | | 55 | 6.0 | 71 | 7.2 | | | | | | | | | |
| | 15049 - 070 | | | | 70 | 7.1 | 89 | 9.0 | | | | | | | | | |
| | 15049 - 085 | | | | 85 | 9.0 | 109 | 11.1 | | | | | | | | | |
| | 15049 - 150 | | | | 150 | 15.0 | 191 | 19.5 | | | | | | | | | |
| | 15069 - 050 | 221 | 152 | 69 | 50 | 5.0 | 67 | 6.8 | 79 | 130 | 96 | | | | | | |
| | 15069 - 080 | | | | 80 | 8.0 | 107 | 10.9 | | | | | | | | | |
| | 15069 - 100 | | | | 100 | 10.2 | 132 | 13.4 | | | | | | | | | |
| | 15069 - 120 | 261 | 172 | 89 | 120 | 12.0 | 158 | 16.1 | 89 | 150 | 109 | | | | | | |
| | 15089 - 070 | | | | 70 | 7.0 | 94 | 9.6 | | | | | | | | | |
| | 15089 - 085 | | | | 85 | 8.7 | 115 | 11.7 | | | | | | | | | |
| | 15089 - 100 | 281 | 182 | 99 | 100 | 10.0 | 135 | 13.8 | 89 | 160 | 116 | | | | | | |
| | 15089 - 150 | | | | 150 | 15.0 | 202 | 20.6 | | | | | | | | | |
| | 15089 - 200 | | | | 200 | 20.0 | 268 | 27.3 | | | | | | | | | |
| | 15099 - 075 | 281 | 184 | 97 | 75 | 8.0 | 101 | 10.3 | 110 | 221 | 183 | | | | | | |
| | 15099 - 120 | | | | 120 | 12.0 | 162 | 16.5 | | | | | | | | | |
| | 15099 - 200 | | | | 200 | 20.0 | 270 | 27.6 | | | | | | | | | |
| | 18099 - 300 | 365 | 245 | 120 | 300 | 30.5 | 392 | 39.9 | 140 | 246 | 205 | | | | | | |
| | 18099 - 400 | | | | 400 | 40.7 | 522 | 53.2 | | | | | | | | | |
| | 18120 - 100 | | | | 100 | 10.0 | 123 | 13.0 | | | | | | | | | |
| | 18120 - 200 | | | | 200 | 20.0 | 245 | 25.0 | | | | | | | | | |
| | 18120 - 300 | | | | 300 | 31.0 | 367 | 37.0 | | | | | | | | | |
| | 18120 - 400 | 420 | 270 | 150 | 400 | 41.0 | 489 | 50.0 | 190 | 301 | 248 | | | | | | |
| | 18150 - 100 | | | | 100 | 10.0 | 126 | 12.9 | | | | | | | | | |
| | 18150 - 150 | | | | 150 | 15.0 | 188 | 19.2 | | | | | | | | | |
| | 18150 - 200 | | | | 200 | 20.0 | 251 | 25.6 | | | | | | | | | |
| | 18150 - 250 | | | | 250 | 26.0 | 313 | 31.9 | | | | | | | | | |
| | 18200 - 100 | 525 | 325 | 200 | 100 | 10.0 | 127 | 13.0 | 240 | 352 | 409 | | | | | | |
| | 18200 - 150 | | | | 150 | 15.0 | 190 | 19.4 | | | | | | | | | |
| | 18200 - 200 | | | | 200 | 20.0 | 253 | 25.8 | | | | | | | | | |
| 18200 - 300 | 300 | | | | 31.0 | 379 | 38.7 | | | | | | | | | | |
| 22250 - 100 | 635 | 385 | 250 | 100 | 10.0 | 129 | 13.2 | 260 | 367 | 531 | | | | | | | |
| 22250 - 150 | | | | 150 | 15.2 | 193 | 19.6 | | | | | | | | | | |
| 22250 - 200 | | | | 200 | 20.0 | 257 | 26.2 | | | | | | | | | | |
| 22250 - 300 | | | | 300 | 31.0 | 384 | 39.2 | | | | | | | | | | |
| 22250 - 400 | | | | 400 | 41.0 | 511 | 52.1 | | | | | | | | | | |
| 22270 - 345 | 670 | 400 | 270 | 345 | 35.0 | 528 | 53.9 | 280 | 377 | 556 | | | | | | | |
| 22270 - 500 | | | | 500 | 51.0 | 763 | 77.9 | | | | | | | | | | |
| 22270 - 700 | | | | 700 | 71.0 | 1065 | 108.7 | | | | | | | | | | |
| 22290 - 745 | 700 | 410 | 290 | 745 | 76.0 | 1160 | 118.4 | 290 | 407 | 469 | | | | | | | |
| 22290 - 845 | | | | 845 | 86.0 | 1314 | 134.1 | | | | | | | | | | |
| 22300 - 200 | | | | 200 | 20.0 | 257 | 26.2 | | | | | | | | | | |
| 22300 - 250 | 740 | 440 | 300 | 250 | 26.0 | 321 | 32.8 | 350 | 440 | 523 | | | | | | | |
| 22300 - 300 | | | | 300 | 31.0 | 385 | 39.3 | | | | | | | | | | |
| 22360 - 215 | | | | 215 | 22.0 | 284 | 29.0 | | | | | | | | | | |
| 22360 - 345 | 345 | 35.0 | 456 | 46.5 | | | | | | | | | | | | | |

Ordering Example: Part Number - Reaction Force
 FGS15049 - 150