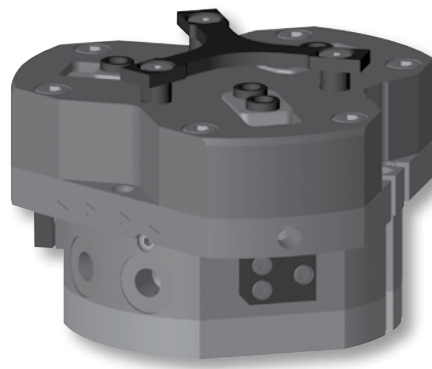


- Multiple side or top air ports (top ports require o-ring)
- Optional spring assist retains the component should the air supply fail, to assist the gripper for internal (-O) or external (-C) gripping, or in single acting or spring assist mode
- Finger locating sleeves for precise finger mounting
- Jaw components hardened and precision ground steel for minimum jaw play with hard plating for wear resistance and long life
- Standard purge / scavenge port used with vacuum for clean room environments or positive pressure for harsh environments
- Gripper can be mounted from the top or bottom
- Gripper body is shielded to repel chips and other particulate from internal drive mechanism
- Magnetic piston standard



Operating information

| | |
|-------------------------------|---------------------------------|
| Operating pressure: | 0.3 to 7 bar (4 to 102 PSIG) |
| Temperature range: | |
| Nitrile seals (Standard) | -35° to 80° C (-30° to 180° F) |
| Fluorocarbon seals (Optional) | -30° to 150° C (-20° to 300° F) |
| Filtration requirements: | |
| Air filtration | 40 micron or better |
| Air lubrication | Not necessary* |
| Air humidity | Low moisture content (dry) |

*Addition of lubrication will greatly increase service life

Ordering Information: P5GW 3-Jaw Centering Series

| Function | Bore size (mm) | Stroke (mm) | Grip force @ 7 bar (N) | Accuracy +/- mm | Repeatability +/-mm | Weight (kg) | Part number Fluorocarbon | Part number Nitrile |
|------------------------|----------------|-------------|------------------------|-----------------|---------------------|-------------|--------------------------|------------------------|
| Double acting magnetic | 32 | 4.0 | 682 | 0.04 | 0.02 | 0.25 | P5GW-032MFG004B | P5GW-032MSG004B |
| Double acting magnetic | 43 | 6.0 | 1238 | 0.04 | 0.02 | 0.53 | P5GW-043MFG006B | P5GW-043MSG006B |
| Double acting magnetic | 55 | 8.0 | 2078 | 0.04 | 0.02 | 1.08 | P5GW-055MFG008B | P5GW-055MSG008B |
| Double acting magnetic | 72 | 10.0 | 3644 | 0.06 | 0.03 | 1.95 | P5GW-072MFG010B | P5GW-072MSG010B |
| Double acting magnetic | 95 | 13.0 | 6353 | 0.06 | 0.03 | 3.9 | P5GW-095MFG013B | P5GW-095MSG013B |
| Double acting magnetic | 120 | 16.0 | 10202 | 0.08 | 0.04 | 7.89 | P5GW-120MFG016B | P5GW-120MSG016B |
| Double acting magnetic | 156 | 25.0 | 17165 | 0.10 | 0.05 | 15.7 | P5GW-156MFG025B | P5GW-156MSG025B |
| Double acting magnetic | 225 | 35.0 | 35288 | 0.10 | 0.05 | 43.9 | P5GW-225MFG035B | P5GW-225MSG035B |

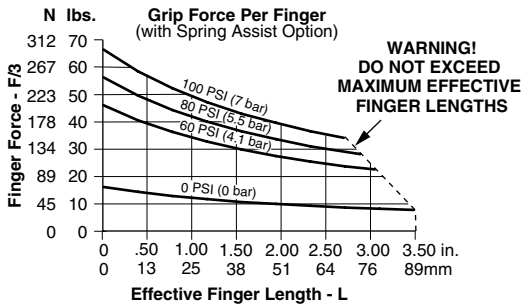
| Function | Bore size (mm) | Stroke (mm) | Grip force @ 7 bar (N) | Accuracy +/- mm | Repeatability +/-mm | Weight (kg) | Part number Spring close |
|-------------------------|----------------|-------------|------------------------|-----------------|---------------------|-------------|--------------------------|
| Spring closing magnetic | 32 | 4.0 | 889 | 0.04 | 0.02 | 0.25 | P5GW-032DSG004B |
| Spring closing magnetic | 43 | 6.0 | 1490 | 0.04 | 0.02 | 0.53 | P5GW-043DSG006B |
| Spring closing magnetic | 55 | 8.0 | 2627 | 0.04 | 0.02 | 1.08 | P5GW-055DSG008B |
| Spring closing magnetic | 72 | 10.0 | 4562 | 0.06 | 0.03 | 1.95 | P5GW-072DSG010B |
| Spring closing magnetic | 95 | 13.0 | 7877 | 0.06 | 0.03 | 3.9 | P5GW-095DSG013B |
| Spring closing magnetic | 120 | 16.0 | 13786 | 0.08 | 0.04 | 7.89 | P5GW-120DSG016B |
| Spring closing magnetic | 156 | 25.0 | 22093 | 0.10 | 0.05 | 15.7 | P5GW-156DSG025B |
| Spring closing magnetic | 225 | 35.0 | 44354 | 0.10 | 0.05 | 43.9 | P5GW-225DSG035B |

Sensor part numbers: Page 53.

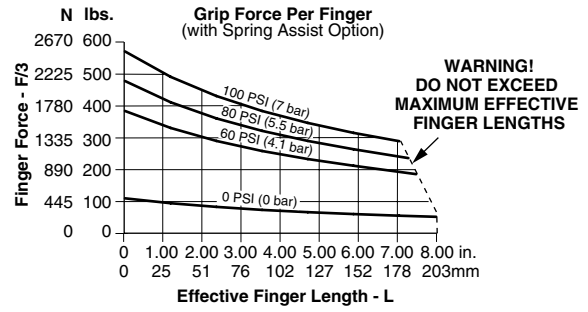
Most popular.



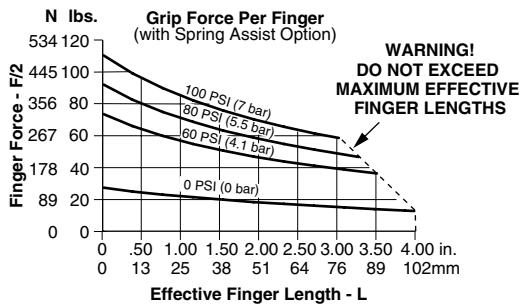
Loading information - P5GW-032



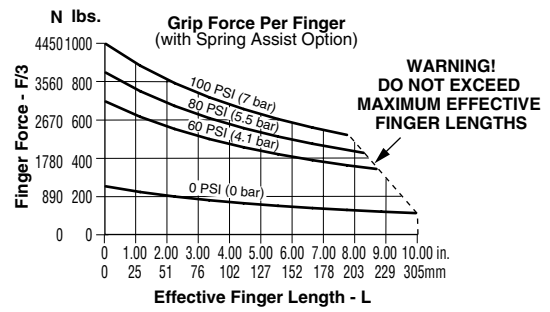
Loading information - P5GW-095



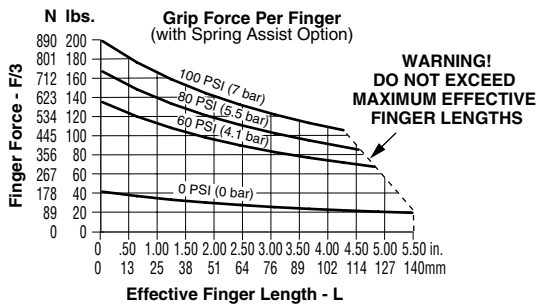
Loading information - P5GW-043



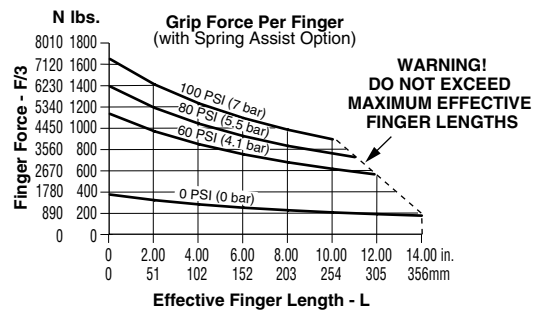
Loading information - P5GW-120



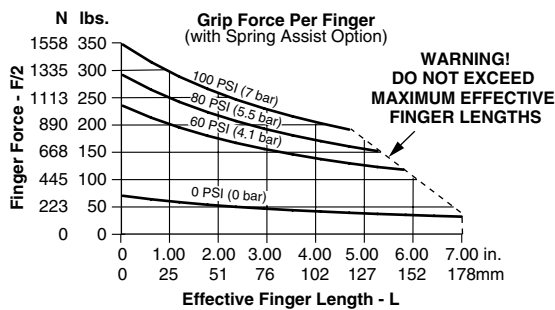
Loading information - P5GW-055



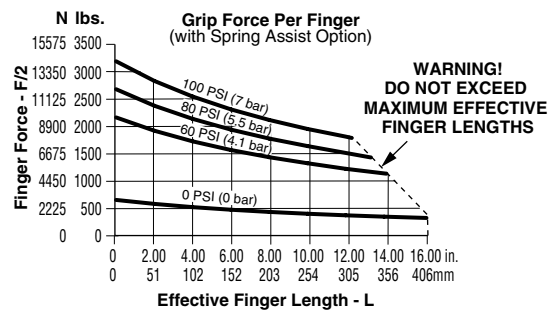
Loading information - P5GW-156



Loading information - P5GW-072



Loading information - P5GW-225

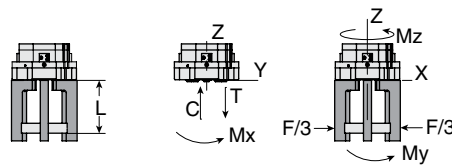


Loading capacity† - P5GW 3-Jaw Centering Series

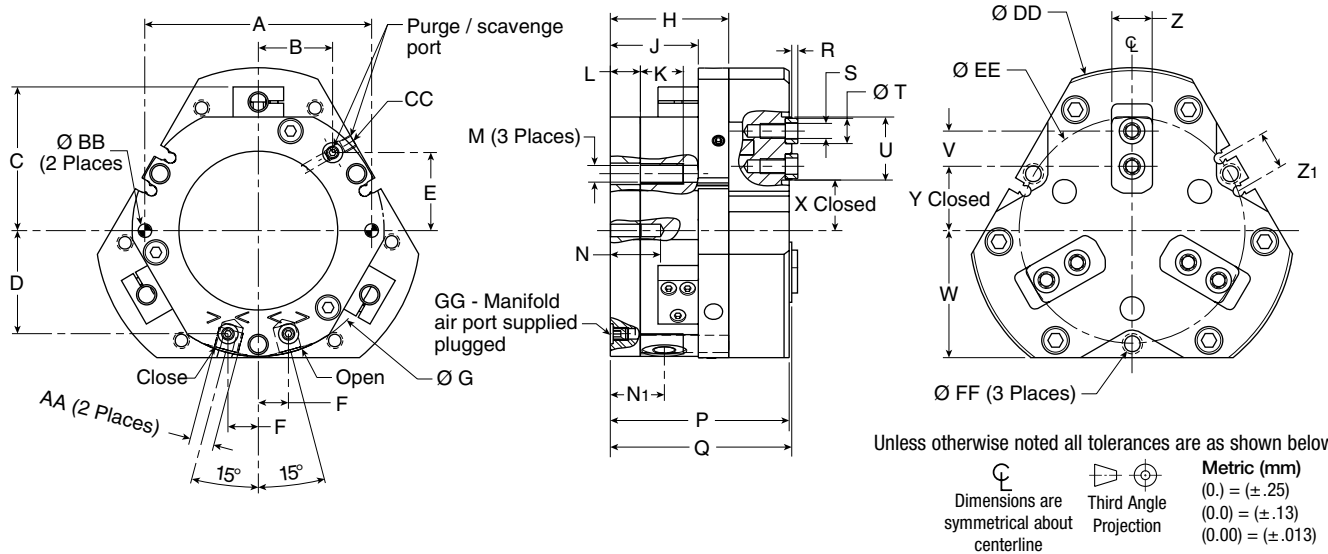
| | P5GW-32 | | P5GW-43 | | P5GW-55 | | P5GW-72 | |
|-----------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| | Static (metric) | Dynamic (metric) | Static (metric) | Dynamic (metric) | Static (metric) | Dynamic (metric) | Static (metric) | Dynamic (metric) |
| Maximum tensile T | 810 N | 89 N | 1200 N | 129 N | 1680 N | 302 N | 2110 N | 425 N |
| Maximum compressive C | 1060 N | 89 N | 1560 N | 129 N | 2180 N | 302 N | 2790 N | 425 N |
| Maximum moment Mx | 22 Nm | 2 Nm | 45 Nm | 4 Nm | 72 Nm | 11 Nm | 92 Nm | 16 Nm |
| Maximum moment My | 28 Nm | 3 Nm | 64 Nm | 6 Nm | 102 Nm | 16 Nm | 182 Nm | 22 Nm |
| Maximum moment Mz | 18 Nm | 3 Nm | 41 Nm | 6 Nm | 66 Nm | 16 Nm | 84 Nm | 22 Nm |

| | P5GW-95 | | P5GW-120 | | P5GW-156 | | P5GW-225 | |
|-----------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|
| | Static (metric) | Dynamic (metric) | Static (metric) | Dynamic (metric) | Static (metric) | Dynamic (metric) | Static (metric) | Dynamic (metric) |
| Maximum tensile T | 2990 N | 674 N | 4320 N | 1315 N | 5400 N | 1763 N | 8230 N | 2733 N |
| Maximum compressive C | 3980 N | 674 N | 5810 N | 1315 N | 7120 N | 1763 N | 10700 N | 2733 N |
| Maximum moment Mx | 127 Nm | 25 Nm | 172 Nm | 45 Nm | 215 Nm | 60 Nm | 455 Nm | 131 Nm |
| Maximum moment My | 179 Nm | 35 Nm | 250 Nm | 65 Nm | 305 Nm | 86 Nm | 578 Nm | 167 Nm |
| Maximum moment Mz | 117 Nm | 35 Nm | 164 Nm | 65 Nm | 208 Nm | 86 Nm | 362 Nm | 167 Nm |

† Capacities are per set of jaws and are not simultaneous



Dimensions: P5GW 3-Jaw Centering Series



| Part number | A | B | C | D | E | F | G | H | J | K | L | M | N | N ₁ | P | Q | R | S |
|-----------------|--------|------|-------|-------|------|------|-----|-------|------|----|------|-----|----|----------------|-------|-------|-----|-------------|
| P5GW-032 | 45.00 | 13.4 | — | 19.5 | 15.8 | 7.0 | 51 | 24.5 | 18.5 | 9 | 6.0 | M4 | 12 | 11.5 | 36.5 | 37.0 | 1.5 | M3 x 5 Dp |
| P5GW-043 | 56.00 | 17.2 | 37.7 | 25.0 | 20.3 | 9.0 | 64 | 32.5 | 25.5 | 13 | 9.0 | M6 | 15 | 15.5 | 48.5 | 49.0 | 1.5 | M4 x 6 Dp |
| P5GW-055 | 70.00 | 23.2 | 46.7 | 32.0 | 23.8 | 9.0 | 80 | 43.5 | 33.5 | 17 | 12.0 | M8 | 20 | 20.0 | 63.5 | 64.0 | 2.0 | M5 x 9 Dp |
| P5GW-072 | 90.00 | 29.5 | 57.0 | 41.0 | 30.9 | 12.0 | 100 | 47.0 | 35.0 | 17 | 12.0 | M8 | 20 | 21.5 | 71.0 | 72.0 | 2.5 | M6 x 10 Dp |
| P5GW-095 | 112.00 | 38.4 | 71.0 | 53.0 | 39.5 | 15.0 | 125 | 57.0 | 42.0 | 22 | 14.0 | M10 | 24 | 25.0 | 87.0 | 88.0 | 2.5 | M6 x 10 Dp |
| P5GW-120 | 146.00 | 49.0 | 87.0 | 67.5 | 50.2 | 19.0 | 160 | 72.0 | 53.0 | 22 | 20.0 | M10 | 30 | 33.0 | 109.0 | 110.0 | 3.0 | M8 x 17 Dp |
| P5GW-156 | 184.00 | 64.3 | 106.0 | 87.5 | 63.7 | 23.0 | 200 | 92.0 | 70.0 | 26 | 24.0 | M12 | 36 | 43.0 | 142.0 | 143.0 | 4.0 | M12 x 17 Dp |
| P5GW-225 | 270.00 | 90.5 | 150.0 | 123.0 | 89.2 | 32.0 | 300 | 125.0 | 99.0 | 40 | 30.0 | M20 | 46 | 60.0 | 195.0 | 196.0 | 5.0 | M16 x 21 Dp |

| Part number | T | U | V | W | X | Y | Z | Z ₁ | AA | BB | CC | DD | EE | FF | GG |
|-----------------|------|------|-------|-------|------|------|------|----------------|--------------|------|-------------|-----|-----|------|---------|
| P5GW-032 | 5h7 | 14.0 | 8.00 | 26.0 | 9.0 | 12.0 | 8.0 | 12.0 | M5 x 5 Dp | 3h7 | M5 x 5 Dp | 63 | 45 | 3.3 | M3 x 4 |
| P5GW-043 | 6h7 | 16.0 | 9.00 | 32.5 | 13.0 | 16.5 | 10.0 | 15.0 | M5 x 5 Dp | 4h7 | M5 x 5 Dp | 83 | 56 | 5.2 | M3 x 4 |
| P5GW-055 | 8h7 | 20.0 | 11.00 | 40.5 | 16.0 | 20.5 | 12.5 | 15.0 | M5 x 5 Dp | 5h7 | M5 x 5 Dp | 104 | 70 | 6.8 | M4 x 6 |
| P5GW-072 | 10h7 | 25.0 | 14.00 | 50.5 | 20.0 | 25.5 | 16.0 | 15.0 | M5 x 5 Dp | 5h7 | M5 x 5 Dp | 129 | 90 | 6.8 | M5 x 6 |
| P5GW-095 | 10h7 | 32.0 | 20.00 | 63.0 | 24.5 | 30.5 | 20.0 | 18.0 | G1/8 x 8 Dp | 6h7 | M5 x 5 Dp | 162 | 112 | 8.5 | M5 x 6 |
| P5GW-120 | 12h7 | 40.0 | 25.00 | 83.5 | 32.0 | 39.5 | 25.0 | 18.0 | G1/8 x 8 Dp | 6h7 | M5 x 5 Dp | 205 | 146 | 8.5 | M5 x 6 |
| P5GW-156 | 16h7 | 43.0 | 25.00 | 105.0 | 42.0 | 51.0 | 31.0 | 21.0 | G1/8 x 8 Dp | 8h7 | G1/8 x 8 Dp | 258 | 184 | 10.3 | M5 x 6 |
| P5GW-225 | 22h7 | 58.0 | 34.00 | 155.0 | 57.0 | 69.0 | 46.0 | 29.0 | G1/8 x 12 Dp | 10h7 | G1/8 x 8 Dp | 355 | 260 | 17.5 | M8 x 10 |

Dimensions in millimeters