

- Extremely compact and robust package
- One piece 7075 -T6 aircraft quality aluminum body
- Dynamic components are hardened for wear resistance and long life
- Accessory mounting holes mount sensors to unit
- Slip fit dowel pin holes in body and jaws
- Jaws are supported throughout the length of the body and are precision ground for minimal jaw play
- A double acting piston is connected by a shaft to a double sided wedge
- The wedge slides in a slot located in each of the jaws converting vertical motion of the wedge into horizontal synchronous motion of the jaws
- The large surface area of the wedge minimizes frictional wear
- Magnetic piston standard



**Operating information**

Operating pressure:	3 to 7 bar (44 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: P5GT Double Wedge Series**

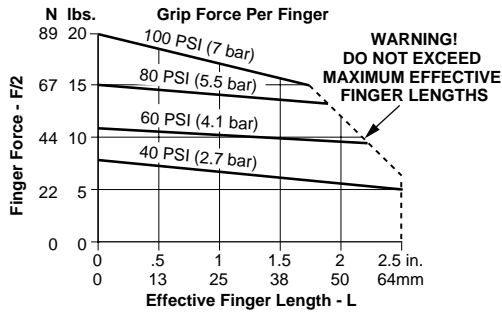
Function	Bore size (mm)	Ports (BSPP)	Stroke (mm)	Grip force @ 7 bar (N)	Accuracy +/- mm	Repeatability +/-mm	Weight (kg)	Part number
Double acting magnetic, Nitrile	25	M5	6.4	178	0.05	0.03	0.12	<b>P5GT-025MSG006B</b>
Double acting magnetic, Fluorocarbon	25	M5	6.4	178	0.05	0.03	0.12	<b>P5GT-025MFG006B</b>
Double acting magnetic, Nitrile	25	M5	9.5	178	0.05	0.03	0.25	<b>P5GT-025MSG010B</b>
Double acting magnetic, Fluorocarbon	25	M5	9.5	178	0.05	0.03	0.25	<b>P5GT-025MFG010B</b>
Double acting magnetic, Nitrile	32	M5	12.7	311	0.05	0.03	0.57	<b>P5GT-032MSG013B</b>
Double acting magnetic, Fluorocarbon	32	M5	12.7	311	0.05	0.03	0.57	<b>P5GT-032MFG013B</b>
Double acting magnetic, Nitrile	46	1/8	19.1	979	0.08	0.03	1.0	<b>P5GT-046MSG019B</b>
Double acting magnetic, Fluorocarbon	46	1/8	19.1	979	0.08	0.03	1.0	<b>P5GT-046MFG019B</b>
Double acting magnetic, Nitrile	64	1/8	31.8	1779	0.08	0.03	3.5	<b>P5GT-064MSG032B</b>
Double acting magnetic, Fluorocarbon	64	1/8	31.8	1779	0.08	0.03	3.5	<b>P5GT-064MFG032B</b>
Double acting magnetic, Nitrile	89	1/4	50.8	2669	0.08	0.03	9.5	<b>P5GT-089MSG051B</b>
Double acting magnetic, Fluorocarbon	89	1/4	50.8	2669	0.08	0.03	9.5	<b>P5GT-089MFG051B</b>

Sensor part numbers: Page 53.

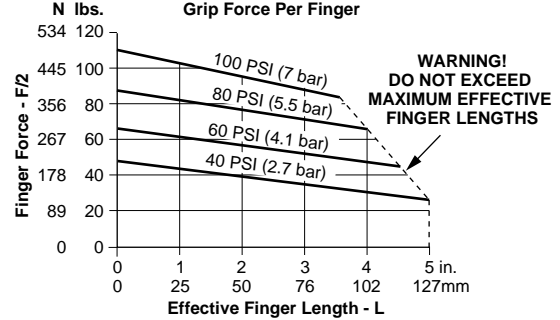
Most popular.



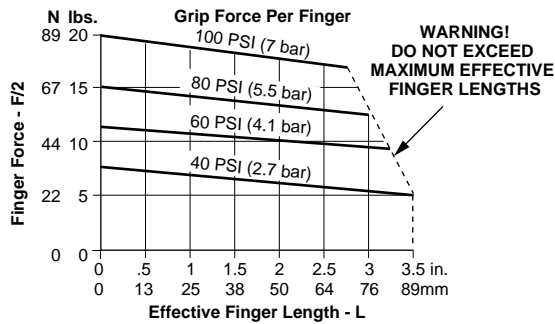
**Loading information - P5GT-025/006**



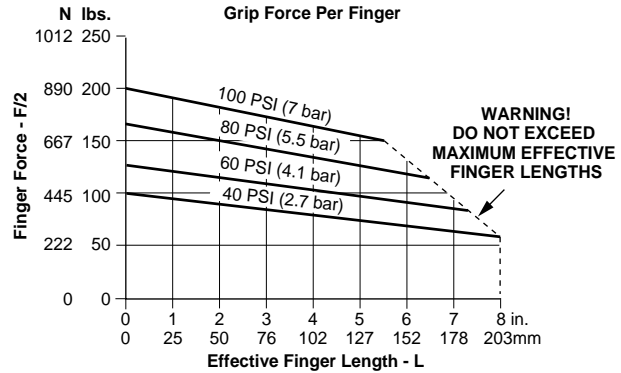
**Loading information - P5GT-046**



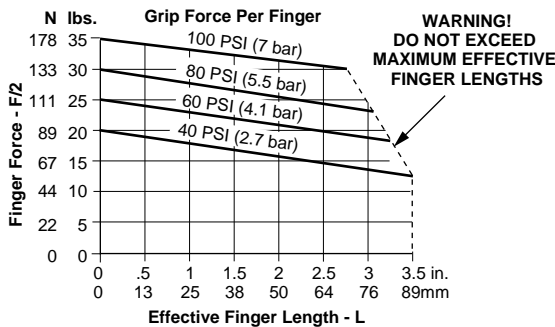
**Loading information - P5GT-025/010**



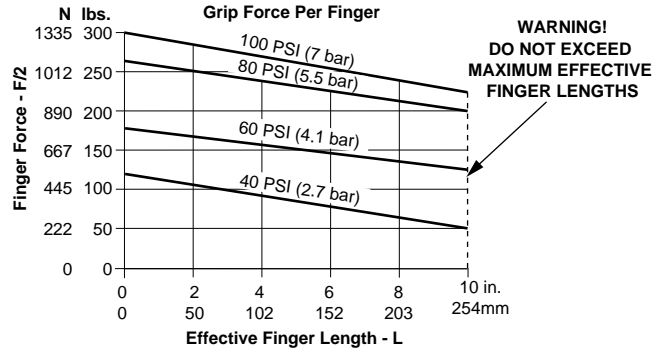
**Loading information - P5GT-064**



**Loading information - P5GT-032**



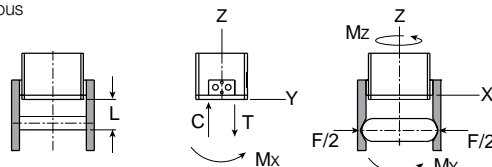
**Loading information - P5GT-089**



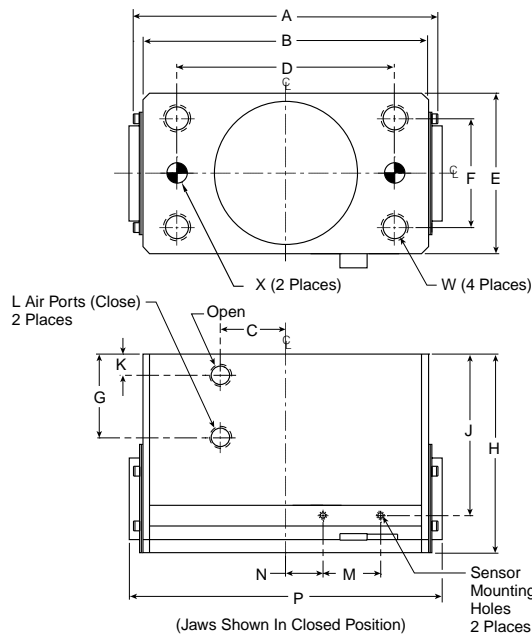
**Loading capacity† - P5GT Double Wedge Series**

	P5GT-025(006)		P5GT-025(010)		P5GT-032		P5GT-046		P5GT-064		P5GT-089	
	Static (metric)	Dynamic (metric)	Static (metric)	Dynamic (metric)	Static (metric)	Dynamic (metric)	Static (metric)	Dynamic (metric)	Static (metric)	Dynamic (metric)	Static (metric)	Dynamic (metric)
Maximum tensile T	445 N	111 N	890 N	111 N	1779 N	222 N	3336 N	445 N	6672 N	1112 N	13345 N	1334 N
Maximum compressive C	890 N	111 N	1779 N	111 N	3336 N	222 N	6672 N	445 N	13345 N	1112 N	26689 N	1334 N
Maximum moment Mx	11 Nm	2 Nm	17 Nm	3 Nm	34 Nm	6 Nm	85 Nm	14 Nm	170 Nm	28 Nm	565 Nm	56 Nm
Maximum moment My	11 Nm	2 Nm	17 Nm	3 Nm	34 Nm	6 Nm	85 Nm	14 Nm	170 Nm	28 Nm	565 Nm	56 Nm
Maximum moment Mz	11 Nm	2 Nm	17 Nm	3 Nm	34 Nm	6 Nm	85 Nm	14 Nm	170 Nm	28 Nm	565 Nm	56 Nm

† Capacities are per set of jaws and are not simultaneous



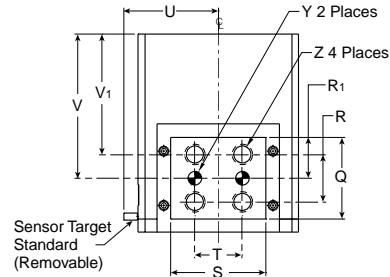
**Dimensions: P5GT Double Wedge Series**



Unless otherwise noted all tolerances are as shown below

Dimensions are symmetrical about centerline  
 Third Angle Projection

**Metric (mm)**  
 (0.) = (±.25)  
 (0.0) = (±.13)  
 (0.00) = (±.013)



Part number	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
<b>P5GT-025(006)</b>	–	38.1	20	31.75	31.8	12.70	17	28.6	9	5	M5	25	–	Open 48 Closed 41	9.55 <sup>+0.00</sup> / <sub>-.003</sub>
<b>P5GT-025(010)</b>	–	50.8	23	38.10	38.1	25.40	12	35.6	14	9	M5	14	6	Open 63 Closed 54	12.34 <sup>+0.00</sup> / <sub>-.003</sub>
<b>P5GT-032</b>	70.4	63.50	30	50.80	41.3	19.05	14.4	47.3	18	7	M5	17	3	Open 81 Closed 68	18.69 <sup>+0.00</sup> / <sub>-.003</sub>
<b>P5GT-046</b>	89.6	82.55	25	63.50	54.0	25.40	25	61.9	46	8	G1/8	27	5	Open 108 Closed 85	25.43 <sup>+0.00</sup> / <sub>-.003</sub>
<b>P5GT-064</b>	142.2	133.35	–	101.60	74.9	50.8	39	92.8	75	10	G1/8	27	17	Open 177 Closed 146	38.10 <sup>+0.00</sup> / <sub>-.003</sub>
<b>P5GT-089</b>	214.7	203.20	–	152.40	100.3	69.9	47	118.2	98	11	G1/4	56	25	Open 266 Closed 216	47.63 <sup>+0.00</sup> / <sub>-.003</sub>

Part number	R	S	T	U	V	W	X	Y	Z	Z1
<b>P5GT-025(006)</b>	6.35	15.88 <sup>+0.00</sup> / <sub>-.003</sub>	7.9	22.2	21.5	M4 x 9 Dp	Ø 3H7 x 6 Dp	Ø 2H7 x 4 Dp	M4 x 4.7 Dp	M3 x 4 Dp
<b>P5GT-025(010)</b>	7.95	18.67 <sup>+0.00</sup> / <sub>-.003</sub>	12.7	25.4	26.3	M6 x 12 Dp	Ø 5H7 x 6 Dp	Ø 2.5H7 x 4 Dp	M4 x 7 Dp	M3 x 4 Dp
<b>P5GT-032</b>	9.53	25.01 <sup>+0.00</sup> / <sub>-.003</sub>	17.5	27.0	28.5	M6 x 12 Dp	Ø 5H7 x 6 Dp	Ø 4H7 x 4 Dp	M5 x 9 Dp	M3 x 4 Dp
<b>P5GT-046</b>	12.70	31.78 <sup>+0.00</sup> / <sub>-.003</sub>	19.1	33.3	38.1	M10 x 19 Dp	Ø 6H7 x 12 Dp	Ø 5H7 x 9 Dp	M6 x 12 Dp	M3 x 6 Dp
<b>P5GT-064</b>	22.2	44.48 <sup>+0.00</sup> / <sub>-.003</sub>	22.23	44.2	67.4	M12 x 25 Dp	Ø 10H8 x 12 Dp	Ø 8H7 x 12 Dp	M10 x 19 Dp	M3 x 9 Dp
<b>P5GT-089</b>	28.57	57.10 <sup>+0.00</sup> / <sub>-.003</sub>	34.9	56.9	70.7	M20 x 38 Dp	Ø 12H8 x 19 Dp	Ø 6H7 x 12 Dp	M12 x 28 Dp	M3 x 9 Dp

Dimensions in millimeters