



- MP Series
- LC Series
- SL Series
- KR Series



- RT Series
- RS Series
- BR Series
- RD Series
- AC & DC Motors



- Couplings
- Torque Limiters



- Linear Actuators
- Linear Screw Jacks
- Linear Slides



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# MP Series





# MP SERIES



SIPCO offers a complete product line of standard and precision components.

SIPCO has been satisfying customers since 1984.

In that time, we have established a reputation for providing product services & Mechanical Linkage solutions to industries using motion control, power transmission, and hydraulic systems. Today, our products are in applications, including robotic, packaging, automotive, printing and material handling applications to name a few.

Through this experience, we are continually evolving, offering new innovative solutions for high-tech applications. When you have one source, you only have to place one order to fill your Mechanical Linkage needs.

- Available in either standard or reduced backlash
- Bearings are rated for an average service life of 20,000 hours under nominal operating conditions. As standard, frame sizes 053, 060, 080 and 105 feature rigid ball bearings while sizes 130, 160 and 190 feature taper roller bearings. On request, taper roller bearings can be supplied on units 080 and 105 specifying option **CR**.
- Units are factory charged with synthetic lubricant of viscosity ISO VG220 suitable for operation in any mounting position and at ambient temperature in the 0°C...+40°C range. In the absence of contamination, lubricant does not require periodical oil changes.
- Degree of protection IP65
- Noise level  $L_p \leq 70$  dB(A) -  $n_1 = 3000$  min<sup>-1</sup>
- Numerous input options
- Ratio  $i=10$  available for single-reduction units ( $i=9$  for frame size 053 alone)

AVAILABLE SIZES	55	62	80	105	130	*160	*190
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### Continuous Torque

Single stage	12 Nm	18 Nm	40 Nm	100 Nm	215 Nm	350 Nm	500 Nm
Double stage	15 Nm	25 Nm	50 Nm	140 Nm	380 Nm	500 Nm	700 Nm
Triple stage	20 Nm	30 Nm	70 Nm	170 Nm	450 Nm	700 Nm	1000 Nm

### Peak Torque

Single stage	22 Nm	35 Nm	80 Nm	180 Nm	400 Nm	660 Nm	800 Nm
Double stage	28 Nm	40 Nm	80 Nm	210 Nm	600 Nm	750 Nm	950 Nm
Triple stage	30 Nm	45 Nm	100 Nm	250 Nm	700 Nm	950 Nm	1200 Nm

### E-Stop Torque

Single stage	40 Nm	70 Nm	180 Nm	360 Nm	800 Nm	1200 Nm	1400 Nm
Double stage	45 Nm	90 Nm	200 Nm	450 Nm	1100 Nm	1400 Nm	1800 Nm
Triple stage	60 Nm	100 Nm	250 Nm	600 Nm	1300 Nm	1800 Nm	2200 Nm

<b>Output shaft dia.</b>	12 mm	14mm	19mm	25mm	32mm	40mm	55mm
<b>Output shaft length</b>	24.5 mm	36.5 mm	46 mm	57.5 mm	69.5 mm	93 mm	96 mm
<b>INPUT DIA. (min)</b>	6 mm	6 mm	9 mm	12.7 mm	14 mm	14 mm	19 mm
<b>INPUT DIA. (max)</b>	14 mm	14 mm	19 mm	32 mm	38 mm	38 mm	48 mm
<b>INPUT ADAPTER</b>	B5XX	B6XX	B8XX	B1XX	B3XX	B7XX	B9XX
<b>Motor Flange</b>	TO BE DEFINED BY PILOT DIA AND BOLT CIRCLE DIMENSIONS OF MOTOR						

### HOUSING (length)

SINGLE STAGE	53 mm	57.55 mm	83.5 mm	107.5 mm	126 mm	130 mm	171.7 mm
DOUBLE STAGE	66.8 mm	74.25 mm	108 mm	140 mm	165.5 mm	169.5 mm	223.4 mm
TRIPLE STAGE	80.6 mm	90.95 mm	132.5 mm	172.5 mm	205 mm	209 mm	275.1 mm

<b>HOUSING (diameter)</b>	55 mm	65 mm	85 mm	106 mm	138 mm	155 mm	185 mm
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### WEIGHT (LB.)

SINGLE STAGE	1.76	2.64	8.82	14.33	26.46	37.49	55.13
DOUBLE STAGE	2.2	3.75	10.14	18.75	34.17	46.3	63.95
TRIPLE STAGE	2.87	4.4	11.47	23.15	40.79	61.74	74.97

