

 **TECHNOGEAR®**
Precision Gearing

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

 **TECHNODRIVE®**
Standard Gearing

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

 **TECHNOLOCK®**
Couplings and Clutches

- Couplings
- Torque Limiters

 **TECHNOMOTION®**
Linear Movement

- Linear Actuators
- Linear Screw Jacks
- Linear Slides

SIPCO
Mechanical Linkage Solutions

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LC Series

 **TECHNOGEAR®**
Precision Gearing



LC 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 with either standard or reduced backlash.
- Rigid ball bearings, suitably rated for an average service life of 20,000 hours under nominal operating conditions.
- Units are factory charged with synthetic grease 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 changes.
- Degree of protection IP64
- Numerous input configurations
- Ratio $i=10$ available for single-reduction units ($i=9$ for frame size 050 alone)

| AVAILABLE SIZES | 50 | 70 | 90 | 120 | 155 |
|-----------------|----|----|----|-----|-----|
|-----------------|----|----|----|-----|-----|

| <i>Continuous Torque</i> (Nm) | | 50 | 70 | 90 | 120 | 155 |
|-------------------------------|--|---------|---------|---------|----------|-----------|
| Single stage | | 10...12 | 18...25 | 37...43 | 95...110 | 230...300 |
| Double stage | | 10...12 | 18...25 | 37...43 | 95...110 | 230...300 |

| <i>Peak Torque</i> (Nm) | | 50 | 70 | 90 | 120 | 155 |
|-------------------------|--|---------|---------|---------|-----------|-----------|
| Single stage | | 16...20 | 30...35 | 70...80 | 160...190 | 350...450 |
| Double stage | | 16...20 | 30...35 | 70...80 | 160...190 | 350...450 |

| <i>E-Stop Torque</i> (Nm) | | 50 | 70 | 90 | 120 | 155 |
|---------------------------|--|---------|---------|-----------|-----------|-----------|
| Single stage | | 28...30 | 60...70 | 150...160 | 300...360 | 600...900 |
| Double stage | | 28...30 | 60...70 | 150...160 | 300...360 | 600...900 |

| | | | | | |
|----------------------------|--------|------|------|------|------|
| <i>Output shaft dia.</i> | 12mm | 16mm | 22mm | 32mm | 40mm |
| <i>Output shaft length</i> | 24.5mm | 36mm | 46mm | 70mm | 97mm |

| | | | | | |
|-------------------------|-------|-------|-------|---------|------|
| <i>INPUT DIA. (min)</i> | 6 mm | 6 mm | 9 mm | 12.7 mm | 19mm |
| <i>INPUT DIA. (max)</i> | 14 mm | 14 mm | 19 mm | 32 mm | 38mm |
| <i>INPUT ADAPTER</i> | B5XX | B6XX | B8XX | B1XX | B3XX |

XX TO BE DEFINED BY PILOT DIA AND BOLT CIRCLE DIMENSIONS

| <i>HOUSING (length)</i> | | 50 | 70 | 90 | 120 | 155 |
|-------------------------|--|---------|---------|---------|----------|----------|
| SINGLE STAGE | | 53 mm | 62mm | 72.3 mm | 101.1 mm | 123.5 mm |
| DOUBLE STAGE | | 66.8 mm | 78.7 mm | 98.8 mm | 133.6 mm | 163 mm |

| | | | | | |
|---------------------------|-------|-------|-------|--------|--------|
| <i>HOUSING (diameter)</i> | 55 mm | 70 mm | 90 mm | 120 mm | 155 mm |
|---------------------------|-------|-------|-------|--------|--------|

| <i>WEIGHT (LB.)</i> | | 50 | 70 | 90 | 120 | 155 |
|---------------------|--|------|------|------|-------|-------|
| SINGLE STAGE | | 1.76 | 3.97 | 8.82 | 19.84 | 39.5 |
| DOUBLE STAGE | | 2.2 | 4.63 | 11 | 24.25 | 50.25 |