

LT-2 GEARHEAD

LIFETIME SERIES HARMONIC SERVO GEARHEADS

FEATURES

- Lifetime zero backlash
- Ultra-high repeatability (less than 10 arc-sec)
- High positional accuracy (± 1.5 arc-min standard)
- Precision double row angular contact bearing
- Single stage, high reduction ratios from 50 to 100:1
- Quick connect motor coupling
- Customizable motor connections
- Low noise and heat generation



STANDARD SPECIFICATIONS

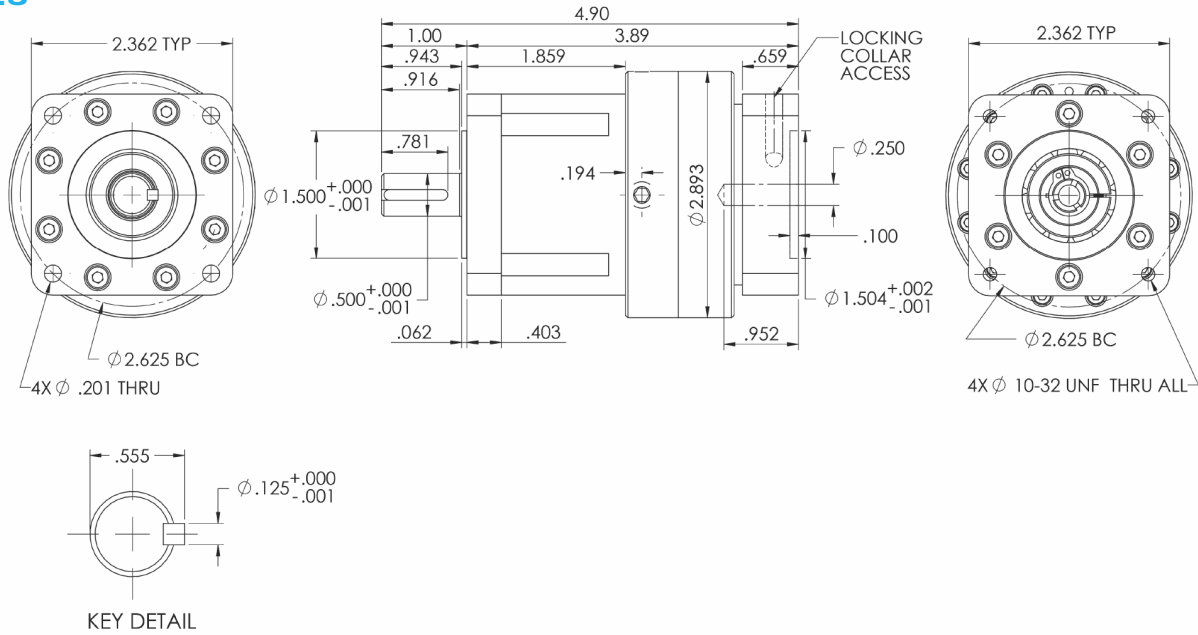
RATIO		50	80	100	120	160	NOTES
NOMINAL OUTPUT TORQUE	Nm	25	25	30	30	30	Rated torque at 3,000 rpm input for an average life of 25,000 hours
MAXIMUM OUTPUT TORQUE	Nm	50	50	60	60	60	Exceeding the maximum output torque limit may immediately damage the drive
NOMINAL INPUT SPEED	rpm	3000					Input speed at rated output torque for an average life of 25,000 hours
MAXIMUM INPUT SPEED	rpm	6500					The maximum intermittent input speed
MAX. RADIAL LOAD	N	2376					At key center line, calculated at 100 rpm output speed & nominal output torque
MAX. AXIAL LOAD	N	1557					At end of output shaft, calculated at 100 rpm output speed and nominal output
NO-LOAD STARTING TORQUE	Ncm	5.4	3.3	3.0	3.0	3.0	Minimum input torque required to turn the output shaft with no load
NO-LOAD BACK DRIVING TORQUE	Nm	2.3	2.6	2.7	2.7	2.7	Minimum torque, if applied to the output shaft, that will cause the unit to back drive
SERVICE LIFE	hrs	25000					Average life at nominal load and input speed
TORSIONAL RIGIDITY	Nm / arc-min	4.5					Torsional rigidity at nominal torque
REPEATABILITY	arc-sec	± 10					—
POSITIONAL ACCURACY	arc-sec	± 90					—
BACKLASH	arc-sec	0					—
MOMENT OF INERTIA	kgcm ²	0.161					—
NOISE LEVEL	dB(A)	< 67					—
PROTECTION CLASS	—	IP64					—
PERMITTED HOUSING TEMP	°C	90					—
PERMITTED AMBIENT TEMP	°C	0 - 40					—
LUBRICATION	—	Permanent					Mobil Beacon 325 grease, synthetic oil available on request
WEIGHT	kg	1.2					Weight may vary slightly dependent upon adapter options

FLEXHARMONIC[™]

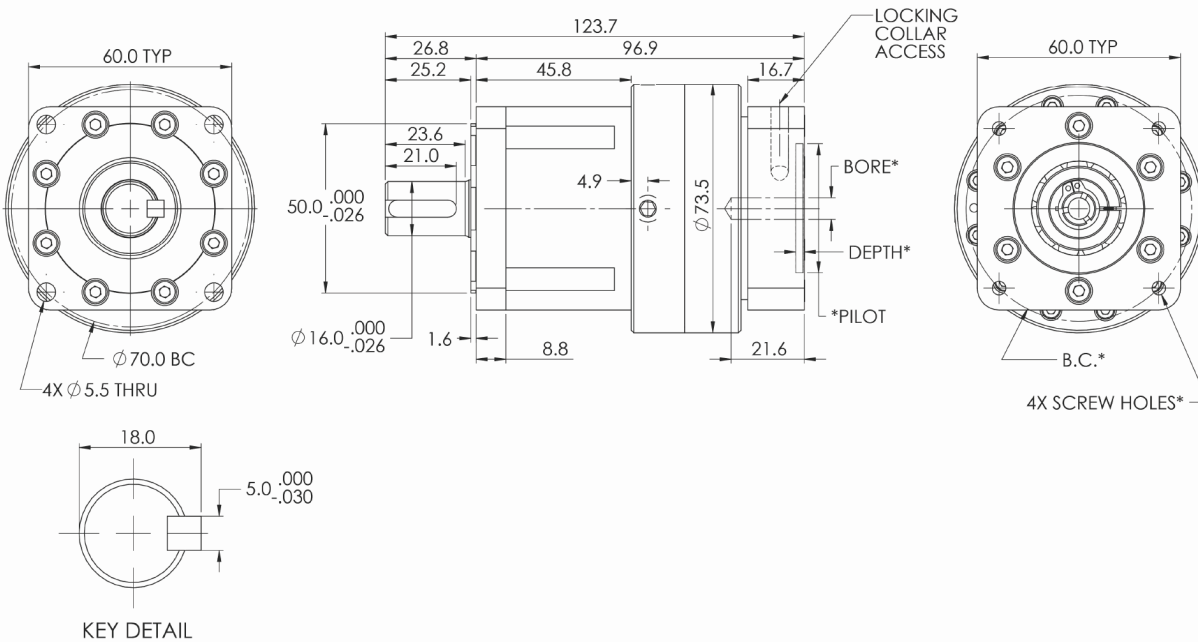
FlexHarmonic.com | sales@FlexHarmonic.com | 236 US-206, Sandyston, NJ 07826

LT-2 DIMENSIONS

NEMA 23



METRIC



ORDERING CODES

LT - 2 - 50 - M - DDD

FAMILY: LT

SIZE: 1, 2, 3, 4

RATIOS: 50, 80, 100, 120, 135, 160, 200

UNITS: M, N23

SPECIAL DESIGNATOR: By factory for non-standard units

FLEXHARMONIC

FlexHarmonic.com | sales@FlexHarmonic.com | 236 US-206, Sandyston, NJ 07826