

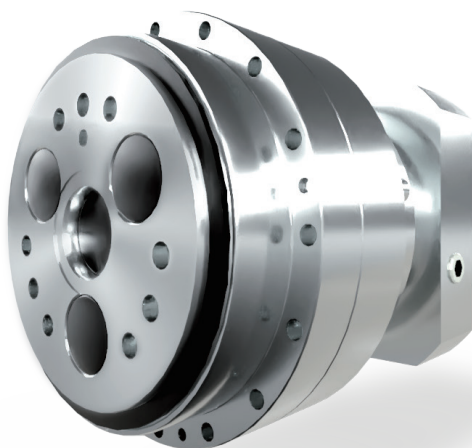


K I N E X

Cycloidal Gearbox for High-Torque Motion Control

Gearhead Type

Introducing the Gearhead Type to the KINEX Series!



High-Precision, High-Reduction,
High-Torque Gearbox.

"Easy Installation" Model designed
for seamless integration.

Significantly reduce man-hours spent
on design and assembly.

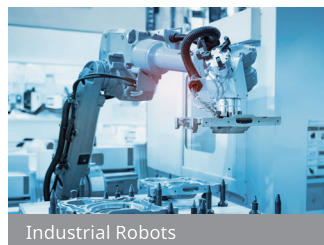
A Robust Gearbox That Protects
the System from Unexpected Shocks.



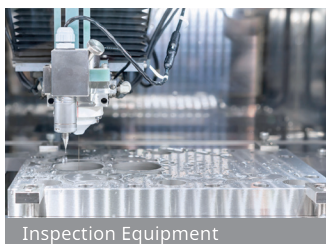
Machine Tools



Semiconductor Manufacturing
Equipment



Industrial Robots



Inspection Equipment



Positioners



AGV

Model Nomenclature

EH	G	025N	81	19HA16
Series	Type	Size	Ratio	Mount Code*1

*1 The mount code is determined by the motor to be attached.

This can be confirmed using the "Gearbox Selection Tool" on our website (please refer to the QR code on the bottom right).

If you have any questions, please contact us.

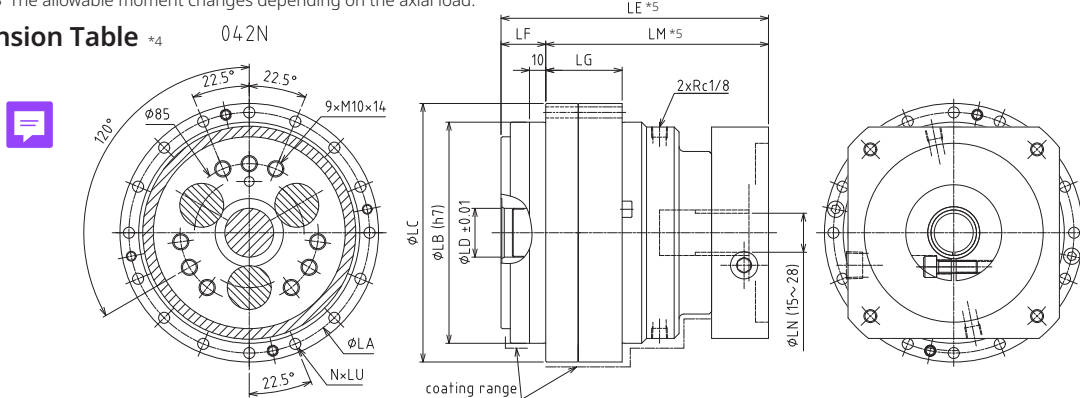
Specification

Size	Ratio	^{*2} Rated torque	Rated output speed	Rated service life	Allowable acceleration /deceleration torque	Momentary maximum allowable torque	Lost motion	Transmission angular accuracy	^{*3} Allowable moment	Momentary allowable moment (Max.)
		[Nm]	[rpm]	[h]	[Nm]	[Nm]	[arc-min]	[arc-sec]	[Nm]	[Nm]
025N	81	245	15	6,000	612	1,225	1	70	784	1,568
	107.67									
	126									
	137									
	164.07									
042N	81	412	15	6,000	1,029	2,058	1	60	1,660	3,320
	105									
	126									
	141									
	164.07									
080N	81	784	15	6,000	1,960	3,920	1	50	2,150	4,300
	101									
	129									
	141									
	171									

*2 The rated torque is the torque value that corresponds to the rated lifetime when operating at the rated output rotation speed, and does not indicate the upper limit of the load.

*3 The allowable moment changes depending on the axial load.

Dimension Table ^{*4} 042N



[mm]

Size	LA	LB	LC	LD	N	LU	LE ^{*5}	LF	LG	LM ^{*5}	LN
025N	123.5	113	133	24	16	5.8	139	30.5	27	108.5	15~28
042N	148	136	159	30	16	6.8	149.5	27.5	47	122	
080N	175	160	189	35	16	9	162	33	47	129	

*4 For output flange dimensions, please refer to the "KINEX Catalog 41710 (N Type Dimension Drawing)".

*5 The dimensions in the table above are representative values. Dimensions will vary depending on the attached motor.

Precautions

- When using the gearbox at low temperatures, the no-load running torque will increase. Please take this into consideration when selecting a motor.
- If you require a reduction ratio other than the above, or if you have any questions regarding motor selection, please contact our sales representative.
- The above specifications are based on our evaluation methods. Customers must ensure and confirm that the product performs without issues under the actual operating conditions of the specific equipment prior to use.

KINEX Catalog



Servo Reducer Selection Tool



Detailed specifications and external dimension drawings can be confirmed via the "Servo Reducer Selection Tool" on our website.

*KINEX will be available in the selection tool from late September 2026 onwards. (excluding KINEX gearhead types)

NIDEC DRIVE TECHNOLOGY CORPORATION



Contact Us

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