



Directions

- Covers all GAM Robotic Gearboxes.
- Enter all required data as indicated with an asterisk (*)
- Under “Special Conditions” include additional information such as extreme temperatures or known duty cycle
- Send to GAM at insidesales@gamweb.com

Contact Information

Company Name*

Address*

Contact Name*

Phone*

Email*

Sales Rep Name

Application Loading Data

Inertia of load around axis of rotation*

For turn tables: inertia of stations/parts*

Axial loads on the gearbox* (F_A)

Radial load applied to the gearbox* (F_R)

Distance to radial load* (L_R)

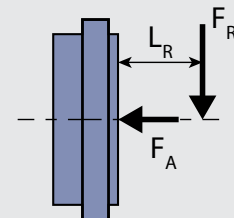
kgm²

kgm²

N

N

mm from mounting face



Motion Profile/Motor Information

Enter data for motion sequence:

t_1, t_2, \dots, t_n = time (sec) for each portion of the profile

N_1, N_2, \dots, N_n = average speed during t_n time (rpm)

T_1, T_2, \dots, T_n = average torque demand during t_n time (Nm)

Motor Make/Model (if known)

Segment	t_n (sec)*	N_n (rpm)*	T_n (Nm)*
1			
2			
3			
4			
5			
6			
7			

* Required



▶ ROBOTIC GEARBOX APPLICATION DATA

Gearbox Mounting Orientation*

Applies to all Robotic Gearboxes (GCL shown)



Output
Horizontal



Output
Vertical Up



Output
Vertical Down

Other Considerations

Ambient Temperature	°C	°F
Allowable Deflection at Output	arcmin	
Max. Momentary Motor Torque (Peak Motor Torque)	Nm	
Required Service Life [†]	hours	

[†] Standard service life is 6,000 hours (20,000 for GPL)

Emergency Stops

Expected Number of E-Stops	
Expected Speed at E-Stop	rpm
Expected Torque at E-Stop	N
Duration of stop	sec

Duty Cycle

Hours per Day
Days per Year

Notes