Planetary Gearbox UGW

Dimensions (mm)	∅ 34 x 62,4 (without motor)
Max. torque (Nm)	4,5 (higher torque on request)
Ratio	541 (4 stages ; other ratios on request)
Standard shaft (mm)	∅ 8 x 21,3 with flat (other dimensions on request)
Motor combinations	Stepper/Synchronous motor UC ; DC motor HC3...6

Standard Data

Mounting	any position
Axial thrust FA	20 N (depend on lifetime spec ; higher force on request)
Lateral force FR	20 N (depend on lifetime spec ; higher force on request)
Climatic class	wide spread according to DIN IEC 60721-2-1
Ambient temperature operation	°C -20 ... +70
Ambient temperature storage	°C -20 ... +80
Weight	290 g (with DC motor HC313XLG)
Bearing	sintered bronze, self-lubricating

Order Reference

Example motor combination: with DC motor HC313XLG

Note: UGW is deliverable only as gearbox motor combination

			JP	3	A	N	X9	W	54C	N	F	N
Motor type	JP	DC Motor (brushed)	JP									
Motor size	3	diameter 27.5 mm		3								
Motor version	A	13 V; no-load speed 7400 rpm			A							
Approval	N	standard				N						
Voltage	X9	13 Vdc					X9					
Gearbox size	W	planetary gearbox diameter 34 mm						W				
Gear ratio	54C	541 (4 stages)							54C			
Connection	N	standard								N		
	A	special									A	
Bearing/ Gear material	F	sintered bearing / metal gear wheels										F
Shaft end	N	standard shaft ∅ 8 x 21.3 with flat										

All specifications are representative only and maybe subject to variation. For confirmation of values, please contact Johnson Electric.
Please also read "Saia Motors Important Notes" on catalog or at www.johnsonelectric.com/SaiaMotorsNotes

Technical Data

Technical data of bare gearbox. Data of complete gearmotors on request

Stages	4
Ratio *	541
Max. torque [Nm] **	4,5
Short peak torque [Nm] **	6
Gear efficiency **	0,6

* Approximate value, precise values on request.
Other ratios between 3,8 …541 on request.

** Approximate values, must be tested under specific operating conditions in application.
Higher values on request.

Dimensions

Example motor combination: with DC motor HC313XLG ; standard shaft