

ARTUS

CYCLOIDAL GEAR REDUCERS

CGR Standard Series | Customer Selection Table

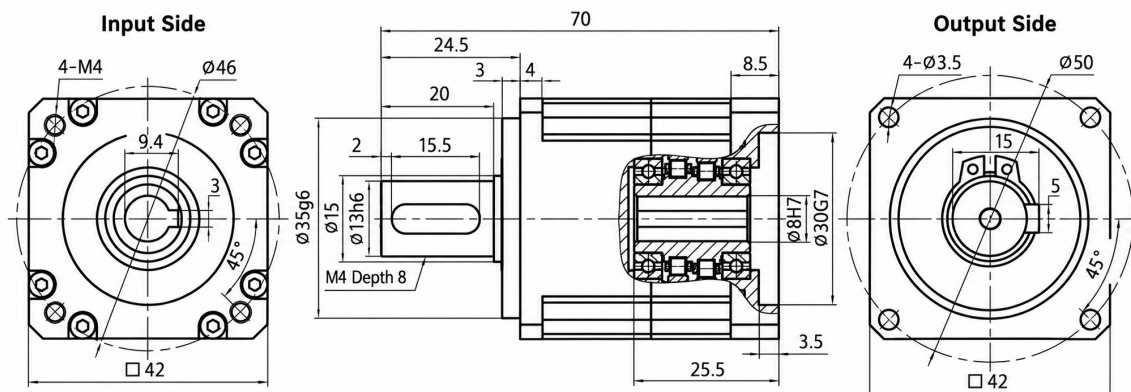
Series	Model	OD (mm)	Thickness (mm)	Available Reduction Ratios	Rated Output Torque (Nm)	Radial Load (N)	Axial Load (N)	Weight (g)	Rated Input Speed (rpm)	Max. Input Speed (rpm)	Backlash (arcmin)	IP Rating	Efficiency
CGR	CGR-042	42	70	25:1 / 49:1	20 / 30	600	400	351.1	3000	5500	≤ 1	IP65	80%
CGR	CGR-060	60	96	25:1 / 49:1	68 / 80	800	550	859.7	3000	5500	≤ 1	IP65	80%
CGR	CGR-090	90	40	25:1 / 49:1	60 / 90	480	480	946	3000	5500	≤ 1	IP65	80%
CGR	CGR-104	104	45.5	25:1 / 49:1	90 / 130	770	770	1416	3000	5500	≤ 1	IP65	80%

Note: The rated torque values are retained as supplied. The correspondence between 25:1 / 49:1 and individual torque values has not been confirmed.

CGR-042 | Ø42 mm | 25:1 / 49:1

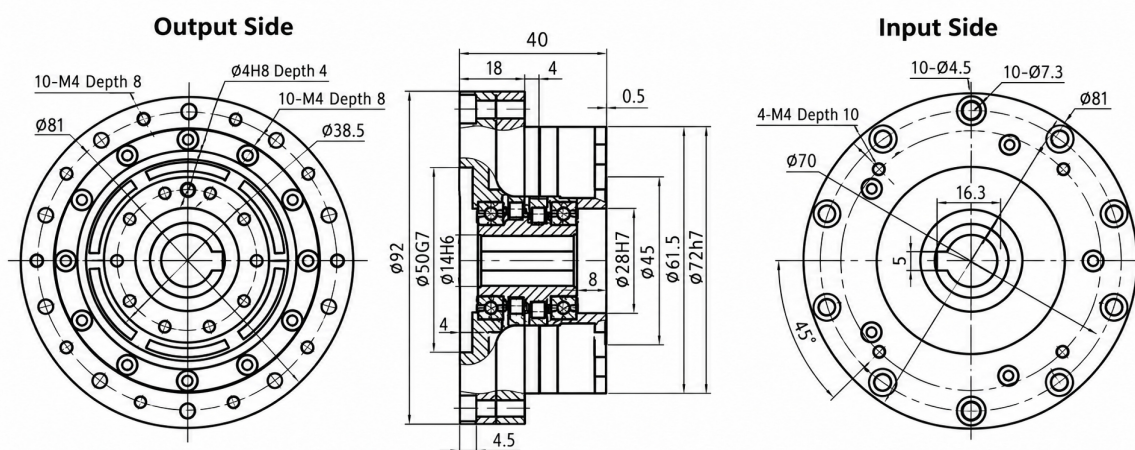
Parameter	Unit	Specification
Available Reduction Ratios	:1	25:1 / 49:1
Rated Output Torque	Nm	20 / 30
Outer Diameter	mm	42
Thickness	mm	70
Rated Input Speed	rpm	3000
Max. Input Speed	rpm	5500
Backlash	arcmin	≤ 1
IP Rating	-	IP65
Efficiency	%	80%
Operating Temperature	°C	-25 to +90
Average Lifetime	h	20000
Housing Material	-	Steel
Gearwheel Material	-	Steel
Radial Load	N	600
Axial Load	N	400
Weight	g	351.1

DIMENSION DRAWING



Parameter	Unit	Specification
Available Reduction Ratios	:1	25:1 / 49:1
Rated Output Torque	Nm	60 / 90
Outer Diameter	mm	90
Thickness	mm	40
Rated Input Speed	rpm	3000
Max. Input Speed	rpm	5500
Backlash	arcmin	≤ 1
IP Rating	-	IP65
Efficiency	%	80%
Operating Temperature	°C	-25 to +90
Average Lifetime	h	20000
Housing Material	-	Steel
Gearwheel Material	-	Steel
Radial Load	N	480
Axial Load	N	480
Weight	g	946

DIMENSION DRAWING



Parameter	Unit	Specification
Available Reduction Ratios	:1	25:1 / 49:1
Rated Output Torque	Nm	90 / 130
Outer Diameter	mm	104
Thickness	mm	45.5
Rated Input Speed	rpm	3000
Max. Input Speed	rpm	5500
Backlash	arcmin	≤ 1
IP Rating	-	IP65
Efficiency	%	80%
Operating Temperature	°C	-25 to +90
Average Lifetime	h	20000
Housing Material	-	Steel
Gearwheel Material	-	Steel
Radial Load	N	770
Axial Load	N	770
Weight	g	1416

DIMENSION DRAWING

