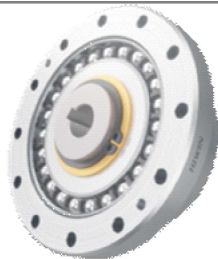


DATORKER® Strain Wave Gear Technical Data

Date: 2024/11/20

Specification	DGC-20-160-CO		Diagram	
Model	20			
Ratio	160			
Item		Value		Unit
Rated torque at input 2000rpm		52		Nm
Average torque		64		Nm
Repeated peak torque		120		Nm
Momentary peak torque		191		Nm
Average input speed		3500		rpm
Maximum input speed		6500		rpm
Moment of inertia		0.193		x10 ⁻⁴ kgm ²
Transmission accuracy		1		arc min
Repeatability		±6		arc sec
Maximum backlash		6		arc sec
Hysteresis loss		1		arc min
Lost motion		1		arc min
Torsional Stiffness K1		0.47		kgfm/arc min
Torsional Stiffness K2		0.75		kgfm/arc min
No load starting torque		3.2		cNm
No load running torque(25°C/2000rpm)		7.7		cNm
Weight		0.28		kg
Permissible dynamic tilting moment		-		Nm
Permissible axial load		-		kN
Permissible radial load		-		kN