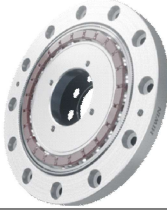


DATORKER® Strain Wave Gear Technical Data

Date: 2025/12/30

Specification	DTC-32-100-CE		Diagram			
Model	32					
Ratio	100					
Item		Value	Unit			
Rated torque at input 2000rpm		96	Nm			
Average torque		151	Nm			
Repeated peak torque		233	Nm			
Momentary peak torque		359	Nm			
Average input speed		3500	rpm			
Maximum input speed		4800	rpm			
Moment of inertia		1.09	x10 ⁻⁴ kgm ²			
Transmission accuracy		1	arc min			
Repeatability		±6	arc sec			
Maximum backlash		-	arc sec			
Hysteresis loss		1	arc min			
Lost motion		1	arc min			
Torsional Stiffness K1		1.8	kgfm/arc min			
Torsional Stiffness K2		2.3	kgfm/arc min			
No load starting torque		18	cNm			
No load running torque(25°C/2000rpm)		35	cNm			
Weight		0.51	kg			
Crossed roller bearing specifications						
Pitch circle diameter of roller		-	m			
Offset amount		-	m			
Basic dynamic load ratings		-	kN			
Basic static load ratings		-	kN			
Moment rigidity		-	kgfm/arc min			
Permissible dynamic tilting moment		-	Nm			
Permissible static tilting moment		-	Nm			
Permissible axial load		-	kN			
Permissible radial load		-	kN			