



Harmonic Drive LLC | 247 Lynnfield St. Peabody, MA 01960 | 800-921-3332
Harmonic Drive and Harmonic Planetary are registered trademarks of Harmonic Drive LLC.

CSD-20-50-2A-GR



Series	Size	Ratio	Type
CSD	20	50	2A-GR

- Zero-backlash
- Reduced thickness, ¼ size of CSF Series
- Hollow through bore, extra-large through bore also available
- Extremely high positioning accuracy
- Excellent Repeatability
- Compact and simple design

Gear Model Number	CSD-20-50-2A-GR
-------------------	-----------------

Gear Performance Data		
Rated Torque L10	17	Nm
Limit for Average Torque	24	Nm
Limit for Repeated Peak Torque	39	Nm
Limit for Momentary Peak Torque	69	Nm
Starting Torque	7.3	Ncm
Backdriving Torque	4.4	Nm
Ave. Input Speed	3,500	rpm
Standard Accuracy	1	arc min
Mass	0.13	kg

Torsional Stiffness		
T1	7	Nm
K1	1.1	10^4 Nm / rad

Torsional Stiffness

T2	25	Nm
K2	1.3	10 ⁴ Nm / rad
K3	2	10 ⁴ Nm / rad