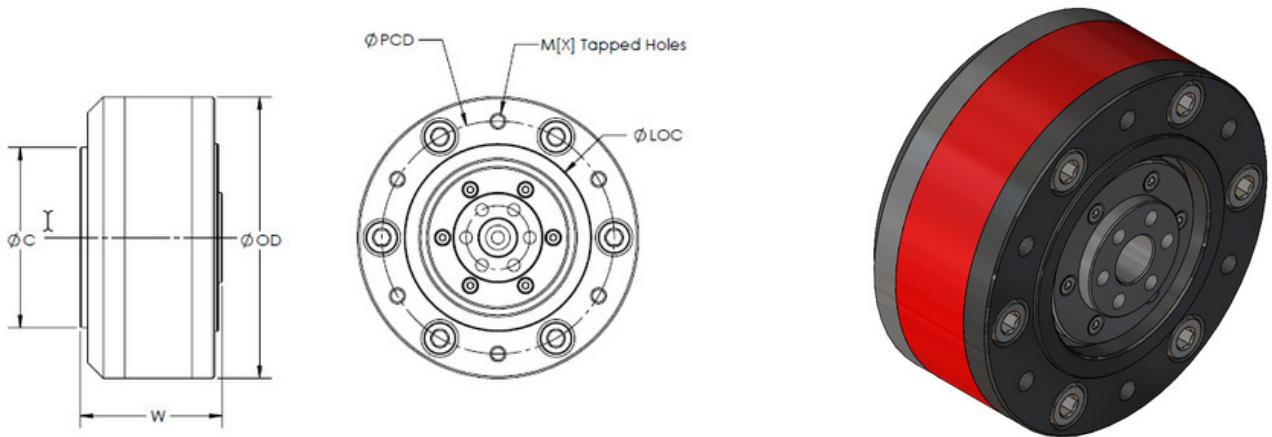


Cycloidal Drives

CSR Series Cycloidal drives have a circular profile and are available in a wide range of sizes from 25mm to 150mm in diameter. These high precision drives are based on our proprietary pre-loading technology and provide true zero backlash while maintaining smooth motion.

Unlike conventional heavy duty cycloidal drives, our drives are designed for applications in advanced Robotics- such as Collaborative robots, Surgical Robots, AGV's, Robot dogs, Humanoids etc. These cycloidal drives are fully back-drivable and operate with low input torque. Due to the compact and light weight construction, they are ideal for high response servo actuators.

The CSR series is available as stand alone units with an input coupling. Please contact us for NEMA and Metric standard motor flanges or a custom flange for Frameless servo motors.



CSR series Specifications

Size OD[mm]	Ratio i	Max O/P Torque [oz.-in]/[Nm]	Max I/P Speed [RPM]	Static Load (Cor)[kN]	Dyn Load (Cr)[kN]	OD [mm]	W [mm]	PCD [mm]	LOC [mm]
CSR 25	10	96/0.67	6000	0.921	0.529	25	20	17	15
	19	180/1.28	4000	0.921	0.529	25	20	17	15
	37	355/2.5	4000	0.921	0.529	25	20	17	15
CSR 50	10	336/2.37	3000	3.8	8.6	50	35	45	38
	19	638/4.5	3000	3.8	8.6	50	35	45	38
	37	1243/8.77	2000	3.8	8.6	50	35	45	38
CSR 75	10	744/5.25	4000	7.7	9.5	75	38	62	50
	19	1413/9.98	3000	7.7	9.5	75	38	62	50
	37	2752/19.4	3000	7.7	9.5	75	38	62	50
CSR 100	19	3363/23.74	2000	11.7	14.5	100	50	85	66
	37	6549/46.2	1500	11.7	14.5	100	50	85	66
	50	8850/62.4	1500	11.7	14.5	100	50	85	66
CSR 125	19	8809/62.2	2000	14.1	16.6	125	60	110	75
	37	17156/121	1500	14.1	16.6	125	60	110	75
	50	23184/163	1500	14.1	16.6	125	60	110	75
CSR 150	19	19847/140.15	1200	25.4	27.5	150	65	135	10
	37	38650/272	1000	25.4	27.5	150	65	135	19
	50	52230/368	1000	25.4	27.5	150	65	135	37