



SMD GEARBOX

SMD

BRILLIANTLY AGILE!



HIGH PRECISION SERVO GEARBOX



Specification Sheet



Information	Stage	Ratio	SPRE050	SPRE070	SPRE090	SPRE120	SPRE155	SPRE205	SPRE235
Defined Output Torque(Nm)	1	3	20	55	130	208	342	558	1140
		4	19	50	140	290	542	1050	1700
		5	22	60	160	330	650	1200	2000
		6	20	55	150	310	600	1100	1900
		7	19	50	140	300	550	1100	1800
		8	17	45	120	260	500	1000	1600
		10	14	40	100	230	450	900	1500
	2	15	20	55	130	208	342	588	1140
		20	19	50	140	290	542	1050	1700
		25	22	60	160	330	650	1200	2000
		30	20	55	150	310	600	1100	1900
		35	19	50	140	300	550	1100	1800
		40	17	45	120	260	500	1000	1600
		50	22	60	160	330	650	1200	2000
		60	20	55	150	310	600	1100	1900
		70	19	50	140	300	550	1100	1800
		80	17	45	120	260	500	1000	1600
		100	14	40	100	230	450	900	1500
Emergency Stop Torque (Nm)	1,2	3~100	Triple Rated Output Torque						
Defined Input Speed(RPM)	1,2	3~100	5000	5000	4000	4000	3000	3000	2000
Maximum Input Speed(RPM)	1,2	3~100	10000	10000	8000	8000	6000	6000	4000
Backlash(arc min)	1	3~10	≤12	≤5	≤5	≤5	≤5	≤5	≤5
	2	15~100	≤16	≤8	≤8	≤8	≤8	≤8	≤8
Torsional Rigidity (Nm / arc min)	1,2	3~100	3	7	14	25	50	145	225
Allowable Radial Force (N)	1,2	3~100	780	1530	3250	6700	9400	14500	50000
Allowable Axial Force (N)	1,2	3~100	390	765	1625	3350	4700	7250	25000
Life Time (hrs)	1,2	3~100	20000						
Efficiency (%)	1	3~10	≥97						
	2	15~100	≥94						
Weight (kg)	1	3~10	0.6	1.2	3.7	7.5	16	36	53
	2	15~100	0.7	1.6	4.2	10.7	17	37	54
Temprature (°C)	1,2	3~100	-20 °C~+90°C						
Lubricating Oil	1,2	3~100	Synthetic Lubricant						
IP Grade	1,2	3~100	IP65						
Installation Direction	1,2	3~100	In any direction						
Noise Level(db(A))	1,2	3~100	≤56	≤58	≤60	≤63	≤65	≤67	≤70



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