



SMD GEARBOX

SMD

BRILLIANTLY AGILE!

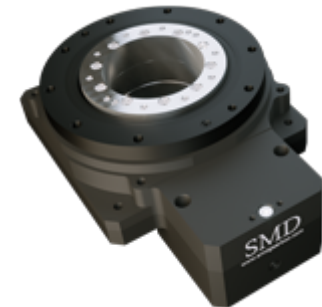


HIGH PRECISION SERVO GEARBOX



Specification	STE060			STE085		STE130		STE200	
Equipped motor type	42 Stepper motor			57 Stepper Motor		57 Stepper motor		86 Stepper motor	
	50W~100W Servo motor			200~400 Servo Motor		200W~400W Servo motor		750W Servo motor	
Bearing type	Crossed Roller Bearing								
Ratio	5	10	18	5	10	10	18	10	18
Moment of Inertia (Kgm ²)	3507x10 ⁻⁷			12593x ⁻⁷		8155x ⁻⁶		36122x ⁻⁶	
Allowable output torque (Nm)	5.2	4.6	1.2	12	10	32	20	70	70
Rated output speed (rpm)	300			300		200		200	
Angle transmission precision (arcmin)	< 2			< 2		< 1.5		< 1	
Repeated positioning precision(arcsec)	± 15			± 15		± 15		± 10	
Backlash (arcmin)	< 1			< 1		< 1		< 1	
Allowable axial load (N)	250			500		2000		4000	
Parallelism of rotating platform (mm)	0.015			0.015		0.02		0.02	
Concentricity of rotating platform (mm)	0.01			0.01		0.012		0.013	
Noise (dB)	65			65		65		67	
Service Life (hrs)	20000								
Protection level (IP)	IP40								
Weight (kg)	0.6			1.2		2.8		9.6	

Specification	STE280	STE350		STE450
Equipped motor type	110/130 Stepper motor	130 Stepper motor		130 Stepper motor
	750W Servo motor	1 kW ~4.4 kW Servo motor		1000W ~5500W Servo motor
Bearing type	Crossed Roller Bearing			
Ratio	10	10	18	10
Moment of Inertia (Kgm ²)	14600x ⁻⁵	25500x ⁻⁵		80500x ⁻⁵
Allowable output torque (Nm)	180	320	260	400
Rated output speed (rpm)	200	150		150
Angle transmission precision (arcmin)	< 1	< 1		< 1
Repeated positioning precision(arcsec)	± 10	± 10		± 10
Backlash (arcmin)	< 1	< 1		< 1
Allowable axial load (N)	7000	9000		11000
Parallelism of rotating platform (mm)	0.03	0.03		0.04
Concentricity of rotating platform (mm)	0.015	0.015		0.02
Noise (dB)	71	73		75
Service Life (hrs)	20000			
Protection level (IP)	IP40			
Weight (kg)	18	25.5		49



Note: Higher Reduction Achievable with combination with SMD's Planetary or Right Angle Gearbox

SMD Servo Gearbox

4 Reasons to Increase 50% Production



LOW VIBRATION



**INCREASES MACHINE WORKING
SPEED & STABILITY**



**EXCLUSIVE PRODUCT,
BACKLASH 1 ACR-MIN**



**INCREASE PRODUCTION
EFFICIENCY & QUALITY**



Planetary Gearbox with
Flange End - **SPF**



Harmonic Gearbox with
Hollow Bore End - **SSHG**

GET IN TOUCH



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