



SMD GEARBOX

SMD

BRILLIANTLY AGILE!

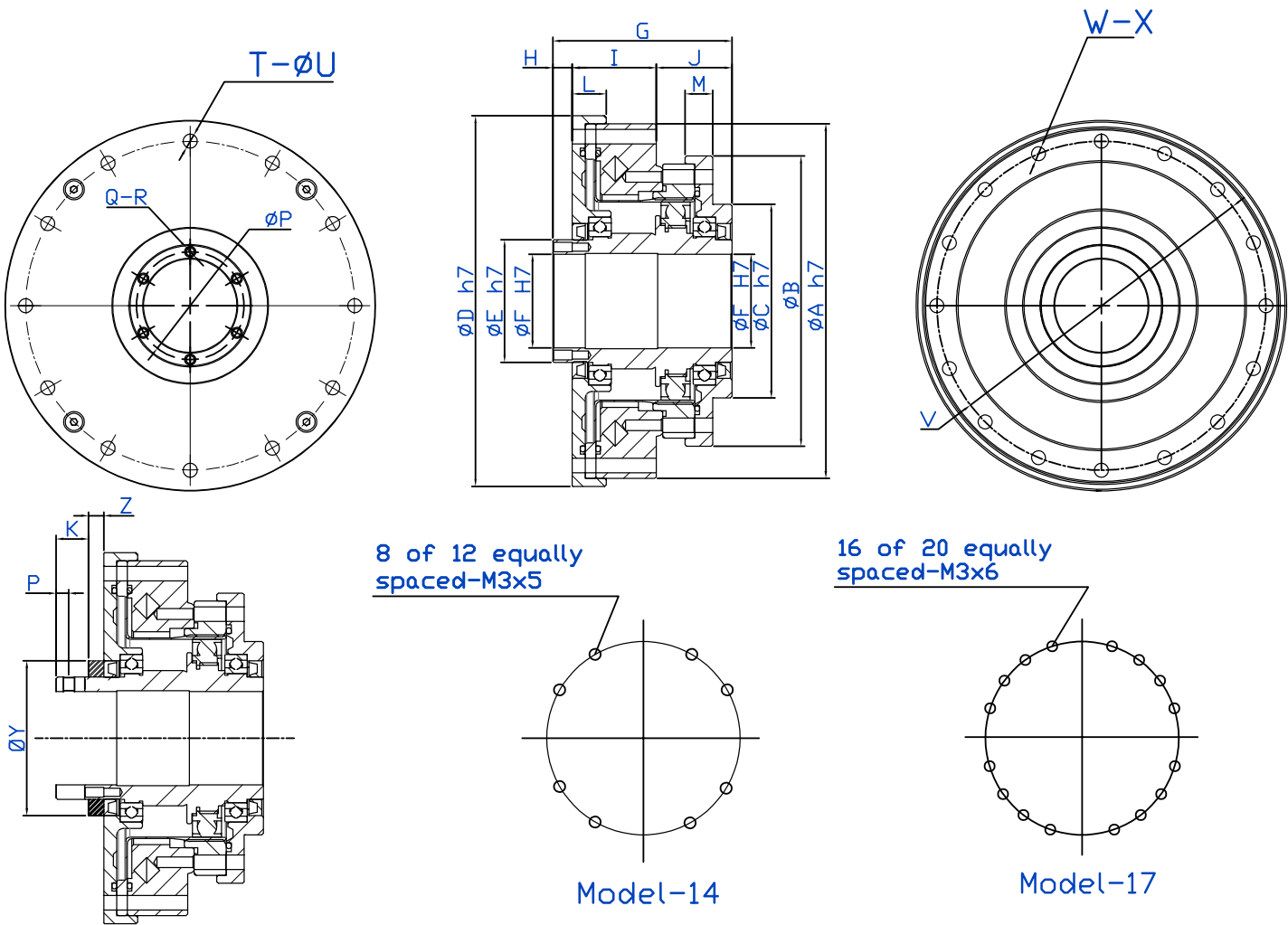
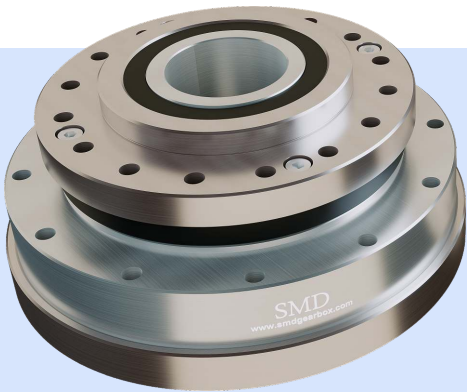
HIGH PRECISION SERVO GEARBOX



ACCURACY - 0.5 ARC-SEC

SSHG Series

Harmonic Gearbox



Input
Shaft
Size for
14 and 17

Model	SSHG 14	SSHG 17	SSHG 20	SSHG 25	SSHG 32	SSHG 40	SSHG 45
φA h7	70	80	90	110	142	170	190
φB	54	64	75	90	115	140	160
φC h7	36	45	50	60	85	100	120
φD h7	74	84	95	115	147	175	195
φE h7	20	25	30	38	45	59	64
φF h7	14	19	21	29	36	46	52
G	52.5	56.5	51.5	55.5	65.5	79	85
H	12	12	5	6	7	8	8
I	20.5	23	25	26	32	38	42
J	20	21.5	21.5	23.5	26.5	33	35
K	6.5	6.5	—	—	—	—	—
L	9	10	10.5	10.5	12	14	15
M	8	8.5	9	8.5	9.5	13	12
N	7.5	8.5	7	6	5	7	7
O	21.7	23.9	25.5	29.6	36.4	44	47.5
φP(P)	(2.5)	(2.5)	25.5	33.5	40.5	52	58
Q	3	3	6	6	6	6	6
R	M3	M3	M3×6	M3×6	M3×6	M4×8	M4×8
φS	64	74	84	102	132	158	180
T	8	12	12	12	12	12	18
φU	3.5	3.5	3.5	4.5	5.5	6.6	6.6
φV	44	54	62	77	100	122	140
W	12-equally spaced 8-Spaces	20-Equally spaced 16 Spaces	16	16	16	16	12
X	M3×5	M3×6	M3×6	M4×7	M5×8	M6×10	M8×10
	φ3.5×11.5	φ3.5×12	φ3.5×13.5	φ4.5×15.5	φ5.5×20.5	φ6.6×25	φ9×28
φY	36	45	—	—	—	—	—
Z	5.5	5.5	—	—	—	—	—

Note: Above mention Dimensions are for standard motor sizes, for other Dimensions, motor mountings adapter plate / mounting will be attached.

Performance	Unit	Ratio	SSHG-14	SSHG-17	SSHG-20	SSHG-25	SSHG-32	SSHG-40	SSHG-45
Nominal Output Torque	Nm	50	0.55/5.4	1.6/16	2.5/25	4/39	7.8/76	14/137	18/176
		80	0.8/7.8	2.2/22	3.5/34	6.4/63	12/118	21/206	32/313
		100	0.8/7.8	2.4/24	4.1/40	6.8/67	14/137	27/265	36/353
		120	-	2.4/24	4.1/40	6.8/67	14/137	30/294	41/402
		160	-	-	4.1/40	6.8/67	14/137	30/294	41/402
Maximum Acceleration Torque	Kgf*m/Nm	50	88	150	220	450	980	1,800	2,700
		80	110	200	350	680	1,400	2,800	3,900
		100	84	160	260	500	1,000	2,100	3,100
		120	-	120	240	470	980	1,900	2,800
		160	-	-	220	450	980	1,900	2,600
Emergency Stop Torque	Kgf*m/Nm	50	1.8/18	3.5/34	5.7/56	10/98	22/216	41/402	51/500
		80	2.4/23	4.4/43	7.5/74	14/137	31/304	53/519	72/706
		100	2.9/28	5.5/54	8.4/82	16/157	34/333	58/568	77/755
		120	-	5.5/54	8.9/87	17/176	36/353	63/617	84/823
		160	-	-	9.4/92	18/176	38/372	66/647	90/882
Permissible Input Speed	rpm	50/160	3,500					3000	
Standard Backlash	Arc-sec	50	36	20	17	17	14	14	12
		80	23	13	11	11	9	9	8
		100	18	10	9	9	7	7	6
		120	-	8	8	8	6	6	5
		160	-	-	6	6	5	5	4
Rated Operation Life	hr	50/160	10000 at permissible input speed and Nominal output torque						
Operating Temperature	°C	50/160	- 10 °C to 40°C (ambient) / 90°C (Case Maximum Temp.)						
Lubrication	-	50/160	Synthetic Lubrication						
Ingress Protection Class	IP	50/160	IP54						

Note: Above mention Dimensions are for standard motor sizes, for other Dimensions, motor mountings adapter plate / mounting will be attached.

FEATURES:

- Permissible axial load or permissible radial load is the value that satisfies the reducer life when either a pure radial load or an axial load is applied to the flange face. (When a radial load is $L_r + R = 0\text{mm}$, an axial load is $L_a = 0\text{mm}$).
- We can provide modified customized solutions as per customer needs. Please inquire.



SMD

BRILLIANTLY AGILE!

GET IN TOUCH

HEADQUARTERS

SMD Gearbox (Taiwan)

📍 5.F. No. 232, Sec.3, Zhongshan Rd,
Taichung City, Taiwan - 41171.

☎ +886 (09) 67388376

sales@smdgearbox.com

HEAD OFFICE (OVERSEAS)

SMD Gearbox (India)

📍 A-51, H Block, M. I. D. C., Pimpri-Chinchwad
Pune, Maharashtra, India - 411018.

☎ +91 70306 69818

☎ +91 020-46212730

www.smdgearbox.com

