



Zhejiang Sankai Mechanical And Electrical Co., Ltd is an integrative and professional manufacturer of power transmission device, which specialize in scientific research, production and marketing. As located in Taizhou city, southeast of Zhejiang province, Zhejiang Sankai has a very convenient transport system. And after years ' effort, based on dedication and pragmatic management, Sankai has become a famous innovator among transmission industry in the world.

Our company specialize in High Precision Planetary Gearbox, NMRV series Worm Gearbox, UDL series Stepless Speed Variator, SRC series Helical Gearbox, SKM series Helical-Hypoid Gearbox, Precision Gearbox for Robot Arm and PC Helical Gear Unit. All the products are widely used in different fields such as automation industry, industrial robot, aerospace, metallurgy and mining, light industry of beer, beverage and tobacco, environmental engineering, logistics, plastic machinery, lifting and ransport, parking, automobile manufacturing, textile, food,ceramics and so on. Standing on the top as tide moving high. So does the business. Adhering to the spirit of 'forge ahead, be pioneers ', our company has already gained a big market share. Adopting advanced detecting equipment and means, company establish-es a quality control system that is in accordance with ISO9001:2015. Products are sold all over the countries, exporting to Southeast Asia, Europe, America and other regions. Sankai will continue, as we always do, to strive to become a leader of power transmission industry.



WORKSHOP



TEST CENTER



CUSTOMER SERVICE



COMPANY PROFILE

As of June 2023, the company has obtained a total of 121 patent authorizations, including 4 invention patents, 40 utility model patents, and 77 design patents.

We have established a control process system for the entire process from customer requirements to final shipment confirmation, strictly following the corresponding management system to manage the process. We have established a planned management system for the ERP data system, and all production workshop sites strictly follow the 6S standard for production.

SUNCARVE Transmission has a comprehensive after-sales service system and has established over 400 after-sales and service outlets nationwide, continuously providing customers with high-quality and efficient all-round services.

PRODUCT PICTURE

FK Series



Available in 10 sizes	00,01,03,04,05,06,07,09,10,11	
Rated output torque	1250Nm—48330Nm	
Type	In line	L1, L2, L3, L4
	Right angle	L1, L2, L3, L4
Output module	MZ/MC/HZ/HG/JPZ/PC FZ/VK/FP/FDK/FZP	

FAB Series



Available in 7 sizes	042, 060, 090, 115,142, 180, 220	
Rated output torque	14Nm—2000Nm	
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100
Backlash	Single stage	P0 ≤1 arcmin; P1 ≤3 arcmin; P2 ≤5 arcmin
	Dual stages	P0 ≤3 arcmin; P1 ≤5 arcmin; P2 ≤7 arcmin

FABR Series



Available in 7 sizes	042, 060, 090, 115,142, 180, 220	
Rated output torque	14Nm—2000Nm	
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10, 14, 20
	Dual stages	12, 15, 20, 25, 30, 40, 50, 60, 70, 80, 100, 120, 140, 160, 200
Backlash	Single stage	P0 ≤2 arcmin; P1 ≤4 arcmin; P2 ≤6 arcmin
	Dual stages	P0 ≤4 arcmin; P1 ≤7 arcmin; P2 ≤9 arcmin

FAF Series



Available in 6 sizes	060, 075, 100, 140, 180, 220	
Rated output torque	14Nm—2000Nm	
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100
Backlash	Single stage	P0 ≤1 arcmin; P1 ≤3 arcmin; P2 ≤5 arcmin
	Dual stages	P0 ≤3 arcmin; P1 ≤5 arcmin; P2 ≤7 arcmin

FAFR Series



Available in 6 sizes	060, 075, 100, 140, 180, 220	
Rated output torque	14Nm—2000Nm	
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10, 14, 20
	Dual stages	12, 15, 20, 25, 30, 40, 50, 60, 70, 80, 100, 120, 140, 160, 200
Backlash	Single stage	P0 ≤2 arcmin; P1 ≤4 arcmin; P2 ≤6 arcmin
	Dual stages	P0 ≤4 arcmin; P1 ≤7 arcmin; P2 ≤9 arcmin



QUALITY DERIVE
FROM SANKAI
REPUTATION COMES ALONG

PRODUCT PICTURE



FAD Series



Available in 7 sizes		047, 064, 090, 110, 140, 200, 255
Rated output torque		14Nm—2000Nm
Ratio	Single stage	4, 5, 6, 7, 8, 10
	Dual stages	20, 25, 35, 40, 50, 60, 70, 80, 100
Backlash	Single stage	P0 ≤1 arcmin; P1 ≤3 arcmin; P2 ≤5 arcmin
	Dual stages	P0 ≤3 arcmin; P1 ≤5 arcmin; P2 ≤7 arcmin

FADR Series



Available in 7 sizes		047, 064, 090, 110, 140, 200, 255
Rated output torque		14Nm—2000Nm
Ratio	Single stage	4, 5, 6, 7, 8, 10, 14, 20
	Dual stages	20, 25, 35, 40, 50, 60, 70, 80, 100, 120, 140, 200
Backlash	Single stage	P0 ≤2 arcmin; P1 ≤4 arcmin; P2 ≤6 arcmin
	Dual stages	P0 ≤4 arcmin; P1 ≤7 arcmin; P2 ≤9 arcmin

FB Series



Available in 7 sizes		042, 060, 090, 115, 142, 180, 220
Rated output torque		14Nm—2000Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100
Backlash	Single stage	≤5 arcmin
	Dual stages	≤7 arcmin

FBR Series



Available in 4 sizes		060, 090, 115, 142
Rated output torque		40Nm—650Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10, 14, 20
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100, 120, 140, 160, 200
Backlash	Single stage	≤10 arcmin
	Dual stages	≤12 arcmin

FE Series



Available in 6 sizes		070, 090, 120, 155, 205, 235
Rated output torque		23Nm—2200Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10
	Dual stages	15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100
Backlash	Single stage	≤5 arcmin
	Dual stages	≤7 arcmin

FER Series



Available in 4 sizes		070, 090, 120, 155
Rated output torque		40Nm—650Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10, 14, 20
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100, 120, 140, 160, 200
Backlash	Single stage	≤10 arcmin
	Dual stages	≤12 arcmin

FG Series



Available in 5 sizes		040, 060, 080, 120, 160
Rated output torque		14Nm—650Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100
Backlash	Single stage	≤8 arcmin
	Dual stages	≤10 arcmin

FGR Series



Available in 4 sizes		060, 080, 120, 160
Rated output torque		14Nm—650Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10, 14, 20
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100, 120, 140, 160, 200
Backlash	Single stage	≤13 arcmin
	Dual stages	≤15 arcmin

FGA Series



Available in 5 sizes		040, 060, 080, 120, 160
Rated output torque		14Nm—650Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100
Backlash	Single stage	≤8 arcmin
	Dual stages	≤10 arcmin

FGAR Series



Available in 4 sizes		060, 080, 120, 160
Rated output torque		14Nm—650Nm
Ratio	Single stage	3, 4, 5, 6, 7, 8, 10, 14, 20
	Dual stages	12, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 100, 120, 140, 160, 200
Backlash	Single stage	≤13 arcmin
	Dual stages	≤15 arcmin

FAT-L/L1/R1



Available in 7 sizes		065, 075, 090, 110, 140, 170, 210
Rated output torque		18Nm—1020Nm
Ratio	Single stage	1, 2, 3
	Dual stages	25, 30, 35, 40, 50, 75, 100, 120, 150, 200
Backlash	Single stage	≤6 arcmin
	Dual stages	≤10 arcmin

FAT-FL/FL1/FR1



Available in 7 sizes		065, 075, 090, 110, 140, 170, 210
Rated output torque		12Nm—1020Nm
Ratio	Single stage	1, 2
	Dual stages	4, 5, 6, 7, 8, 10, 15, 20
Backlash	Single stage	≤6 arcmin
	Dual stages	≤10 arcmin
	Three stages	≤12 arcmin

FAT-H/-C



Available in 7 sizes		065, 075, 090, 110, 140, 170, 210
Rated output torque		12Nm—1020Nm
Ratio	Single stage	1, 2, 3
	Dual stages	25, 30, 35, 40, 50, 75, 100, 120, 150, 200
Backlash	Single stage	≤6 arcmin
	Dual stages	≤10 arcmin

FAT-FH/-FC



Available in 7 sizes		065, 075, 090, 110, 140, 170, 210
Rated output torque		12Nm—1020Nm
Ratio	Single stage	1, 2
	Dual stages	4, 5, 6, 7, 8, 10, 15, 20
	Three stages	25, 30, 35, 40, 50, 75, 100, 120, 150, 200
Backlash	Single stage	≤6 arcmin
	Dual stages	≤10 arcmin
	Three stages	≤12 arcmin

NMRV



Available in 10 sizes		025, 030, 040, 050, 063, 075, 090, 110, 130, 150
Motor power		0.06kW—15kW
Rated output torque		2.6Nm—1230Nm
Ratio	Single stage	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100
	Dual stages	300, 400, 500, 600, 750, 900, 1200, 1500, 1800, 2400, 3000, 4000, 5000
Efficiency		47%—85%
Mounting position	Single stage	B3, B6, B7, B8, V5, V6
	Dual stages	AS1, AS2, BS1, BS2, VS1, VS2, PS1, PS2

NRV



Available in 10 sizes		025, 030, 040, 050, 063, 075, 090, 110, 130, 150
Motor power		0.1kW—25.8kW
Rated output torque		13Nm—2670Nm
Ratio	Single stage	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100
	Dual stages	300, 400, 500, 600, 750, 900, 1200, 1500, 1800, 2400, 3000, 4000, 5000
Efficiency		47%—85%
Mounting position	Single stage	B3, B6, B7, B8, V5, V6
	Dual stages	AS1, AS2, BS1, BS2, VS1, VS2, PS1, PS2

UDL



Available in 8 sizes		002, 005, 010, 020, 030S, 030L, 050S, 050L
Motor power		0.18kW—7.5kW
Rated output torque		5.8Nm—700Nm
Ratio range		1.4—7
Version		UDL-B3, UDL-B5
Efficiency		50%—85%
Mounting position		B3, B6, B7, B8, V5, V6

PC(+NMRV)



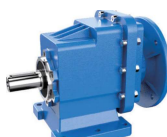
Available in 4 sizes		063, 071, 080, 090
Motor power		0.12kW—2.2kW
Rated output torque		42Nm—936Nm
Ratio range of PC		2.93, 2.94, 3, 2.45
Efficiency of PC		97%
Mounting position		B3, B6, B7, B8, V5, V6

SKM



Available in 4 sizes		28, 38, 48, 58, 68
Motor power		0.12kW—7.5kW
Rated output torque		5.8Nm—700Nm
Ratio	Dual stages	7.5, 10, 12.5, 15, 20, 25, 30, 40, 50, 60
	Three stages	75, 100, 125, 150, 200, 250, 300
Efficiency		92%—94%
Mounting position		B3, B6, B7, B8, V5, V6

SRC



Available in 4 sizes		01, 02, 03, 04
Motor power		0.12kW—4.0kW
Rated output torque		3Nm—348Nm
Ratio range		3.66—54.00
Efficiency		92%—94%
Mounting position		M1, M2, M3, M4, M5, M6
Installation mode		B01, B02, M01, M02

SRC



Available in 4 sizes		01, 02, 03, 04
Motor power		0.12kW—4.0kW
Rated output torque		3Nm—348Nm
Ratio range		3.66—54.00
Efficiency		92%—94%
Mounting position		M1, M2, M3, M4, M5, M6
Installation mode		F, Z

