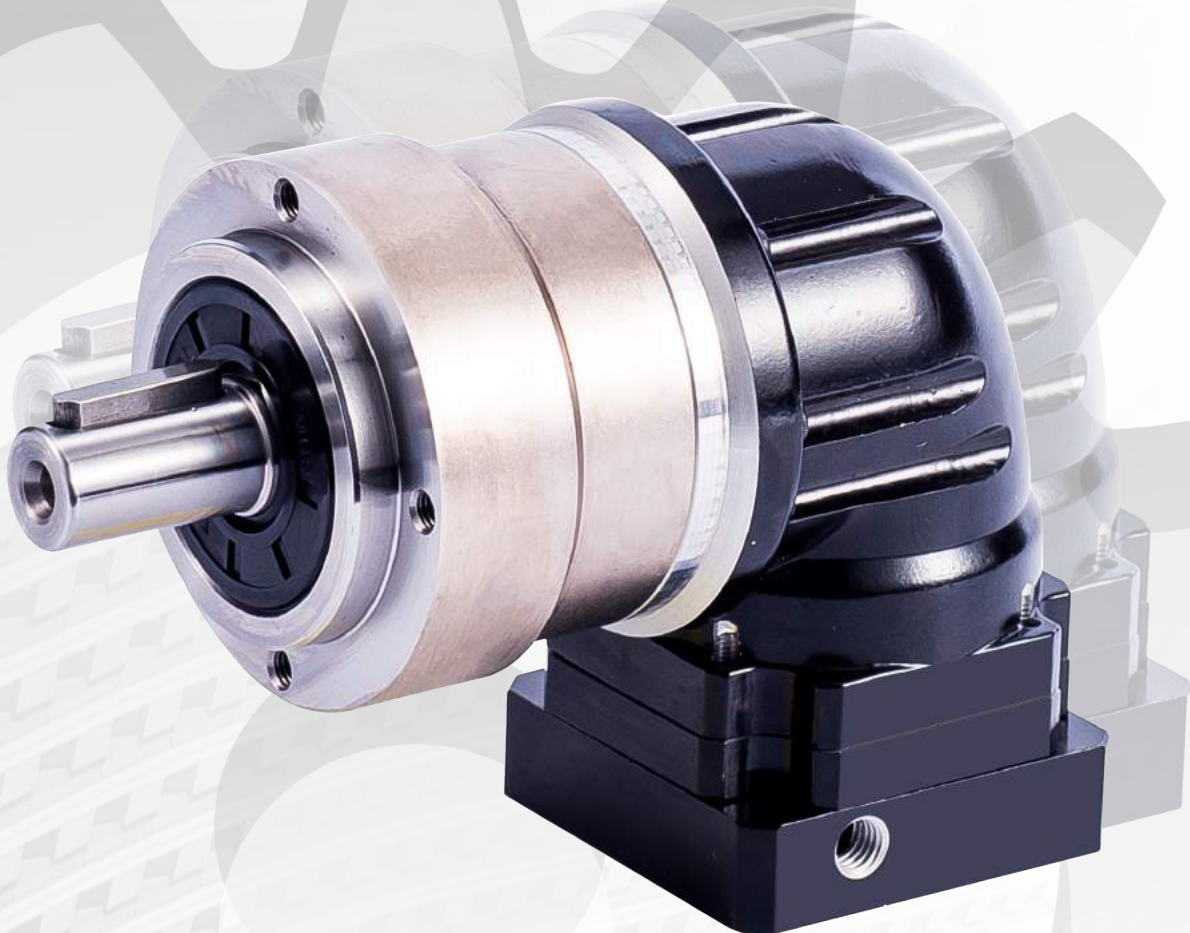




**DRIVE
TECHNIQUE**

DAER Series

Precision Planetary Gearbox Right Angle
Helical Gear



DAER Series Right angle planetary gearbox

ORDERING CODE

D AER 050 010 S1 P2
 1 2 3 4 5 6

1 Drive Technique mark

2 AER: Type of gearbox

3 Size: 050 070 090 120 155 205

Note: Size 050, 155 and 205 on request.

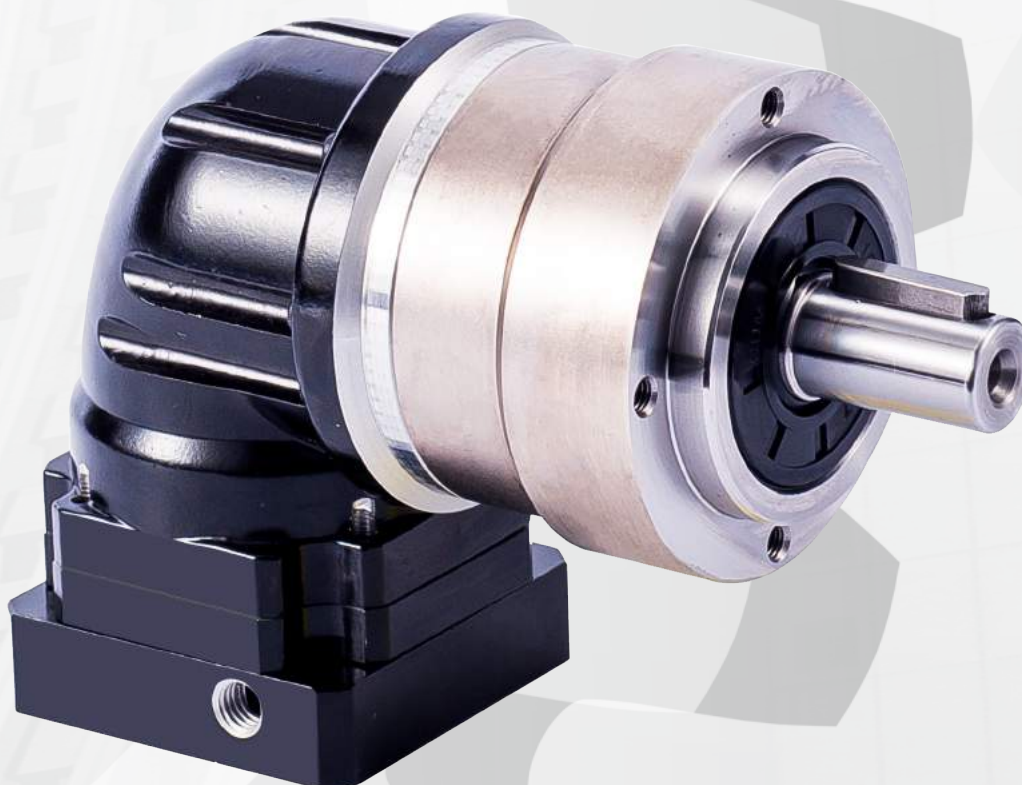
4 Ratio: 3.....200

5 Output shaft: S1 Smooth
 S2 Key

6 Backlash: P2 Standard

PERFORMANCE TABLE MASS MOMENT OF INERTIA (related to input)

Specifications	Unit	Stages	Reduction ratio (i)	DAER 050	DAER 070	DAER 090	DAER 120	DAER 155	DAER 205
Inertia J _i	kg * cm ²	1	3 ~ 10	0.09	0.35	2.25	6.84	23.4	68.9
			12 ~ 14	0.035	0.07	1.87	6.25	21.8	65.6
			20	0.03	0.07	1.87	6.25	21.8	65.6
		2	15	0.09	0.35	2.25	6.84	23.4	68.9
			25 ~ 100	0.09	0.09	0.35	2.25	6.84	23.4
			120 ~ 200	0.007	0.01	0.31	1.87	6.25	21.8



DAER Series Right angle planetary gearbox

PERFORMANCE TABLE

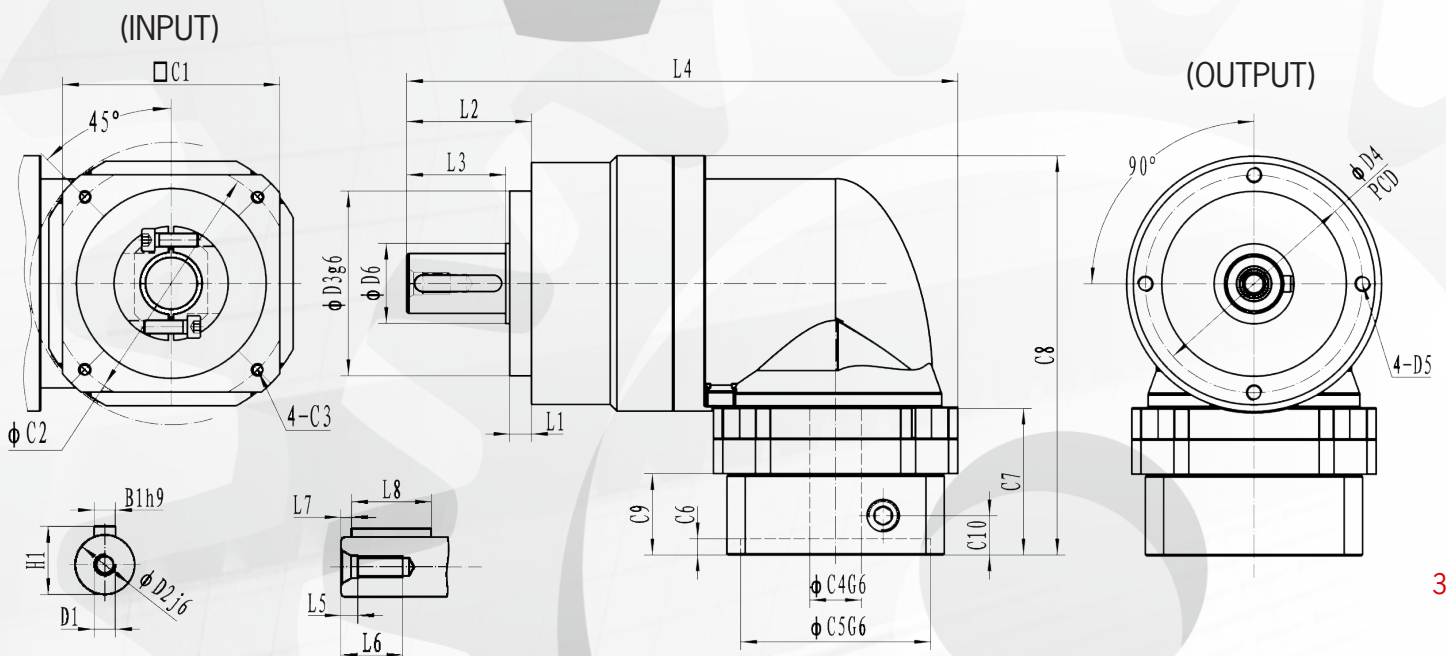
Specifications	Unit	Stages	Reduction ratio (i)	DAER050	DAER070	DAER090	DAER120	DAER155	DAER205
Rated output torque	Nm	1 (L1)	3	9	36	90	195	342	588
			4	12	48	120	260	520	1040
			5	15	60	150	325	650	1200
			6	18	55	150	310	600	1100
			7	19	50	140	300	550	1100
			8	17	45	120	260	500	1000
			10	14	40	100	230	450	900
			12	18	55	150	310	600	1100
			14	19	50	140	300	550	1100
			20	14	40	100	230	450	900
		2 (L2)	15	15	60	150	325	650	1200
			25	15	60	150	325	650	1200
			30	20	55	150	310	600	1100
			35	19	50	140	300	550	1100
			40	17	45	120	260	500	1000
			45	14	40	100	230	450	900
			50	14	60	100	230	650	1200
			60	20	55	150	310	600	1100
			70	19	50	140	300	550	1100
			80	17	45	120	260	500	1000
90	14	40	100	230	450	900			
100	14	40	100	230	450	900			
120	18	55	150	310	600	1100			
140	19	50	140	300	550	1100			
160	17	45	120	260	500	1000			
200	14	40	100	230	450	900			
Acceleration torque	Nm	1,2	3 ~100	180% of the rated torque					
Emergency stop torque	Nm	1,2	3 ~100	300% of the rated torque					
Rated input speed	rpm	1,2	3 ~100	5000	5000	4000	4000	3000	3000
Max input speed	rpm	1,2	3 ~100	10000	10000	8000	8000	6000	6000
Backlash P2 (standard)	arcmin	1	3 ~10	≤8	≤8	≤8	≤8	≤8	≤8
		2	15 ~100	≤11	≤11	≤11	≤11	≤11	≤11
Torsional rigidity	Nm/arcmin	1,2	3 ~100	3	7	14	25	50	145
Radial load	N	1,2	3 ~100	780	1530	3250	6700	9400	14500
Axial load	N	1,2	3 ~100	390	765	1625	3350	4700	7250
Efficiency (%)		1	3 ~10	≥95%					
		2	15 ~100	≥92%					
Weight	kg	1	3 ~10	0.9	2.1	6.4	13	24.5	51
		2	15 ~100	1.2	2.5	7.8	14.2	27.5	54
Temperature	°C	1,2	3 ~100	-10 °C ~ 90 °C					
Protection class		1,2	3 ~100	IP65					
Lubrication		1,2	3 ~100	Full synthetic lubricants					
Noise	dB(A)	1,2	3 ~100	≤61	≤63	≤65	≤68	≤70	≤72

DAER Series Right angle planetary gearbox

DIMENSIONS: 1 – STAGE (L1)

Size	DAER050	DAER070	DAER090	DAER120	DAER155	DAER205
D1	–	M5	M8	M12	M16	–
D2 j6	–	16	22	32	40	–
D3 g6	–	52	68	90	120	–
D4	–	62	80	108	140	–
D5	–	M5	M6	M8	M10	–
D6	–	17.5	29.5	39.5	49.5	–
L1	–	6.5	8	17	15	–
L2	–	36	46	70	97	–
L3	–	28.5	36.5	51	79	–
L4	–	149.5	203	266.5	359	–
L5	–	4	6	10	16	–
L6	–	13	20	28	36	–
L7	–	3	3	5	5	–
L8	–	25.3	32	40	63	–
C1*	–	60	80	130	180	–
C2*	–	70	90	145	200	–
C3*	–	M4	M5	M8	M12	–
C4 _{G6} *	–	14	19	24	35	–
C5 _{G6} *	–	50	70	110	114.3	–
C6*	–	3.5	6	14	19	–
C7*	–	35	54	81	81	–
C8*	–	105	147	194.5	253	–
C9*	–	24.2	29.5	45	57	–
C10*	–	9.5	14.5	27	32	–
B1	–	5	6	10	12	–
H1	–	18	24.5	35	43M5	–

*Motor specific dimensions. Mounting of different motors possible – please contact us.

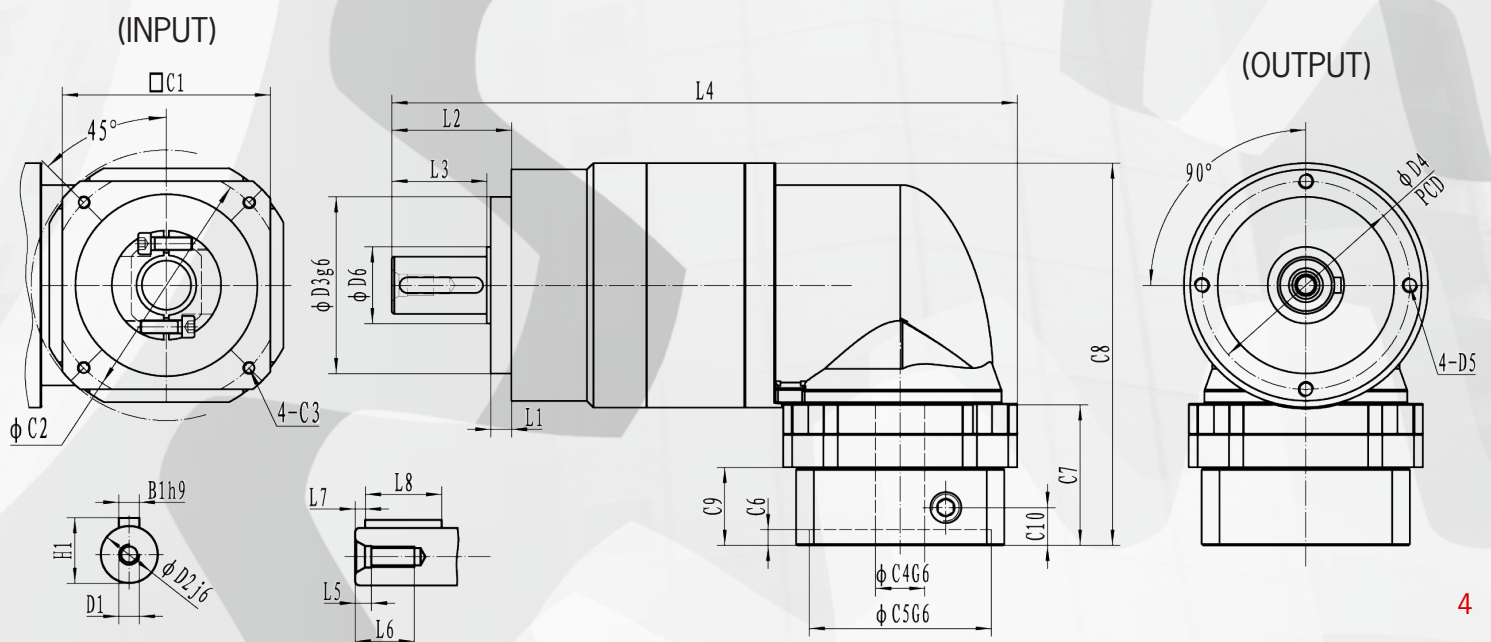


DAER Series Right angle planetary gearbox

DIMENSIONS: 2 – STAGE (L2)




Size	DAER050	DAER070	DAER090	DAER120	DAER155	DAER205
D1	–	M5	M8	M12	M16	–
D2	–	16	22	32	40	–
D3	–	52	68	90	120	–
D4	–	62	80	108	140	–
D5	–	M5	M6	M8	M10	–
D6	–	17.5	29.5	39.5	49.5	–
L1	–	6.5	8	17	15	–
L2	–	36	46	70	97	–
L3	–	28.5	36.5	51	79	–
L4	–	181.5	240.5	290	431	–
L5	–	4	6	10	16	–
L6	–	13	20	18	36	–
L7	–	3	3	5	5	–
L8	–	25.3	32	40	63	–
C1*	–	60	80	130	180	–
C2*	–	70	90	145	200	–
C3*	–	M4	M5	M8	M12	–
C4 _{G6} *	–	14	19	24	35	–
C5 _{G6} *	–	50	70	110	114.3	–
C6*	–	3.5	6	11.5	19	–
C7*	–	35	54	67	81	–
C8*	–	105	147	178	253	–
C9*	–	24.2	29.5	42.5	57	–
C10*	–	9.5	14.5	27	32	–
B1 h9	–	5	6	10	12	–
H1	–	18	24.5	35	43	–

*Motor specific dimensions. Mounting of different motors possible – please contact us.



Drive Technique

Delivery program

DVRB	DAE	DAB
		
DVRBR	DAER	DABR
		
DAD	DPF	DPL
		
DADR	DPFR	DPLR
		



**DRIVE
TECHNIQUE**

Tel. +7 (495) 786-21-00

servo@privod.ru