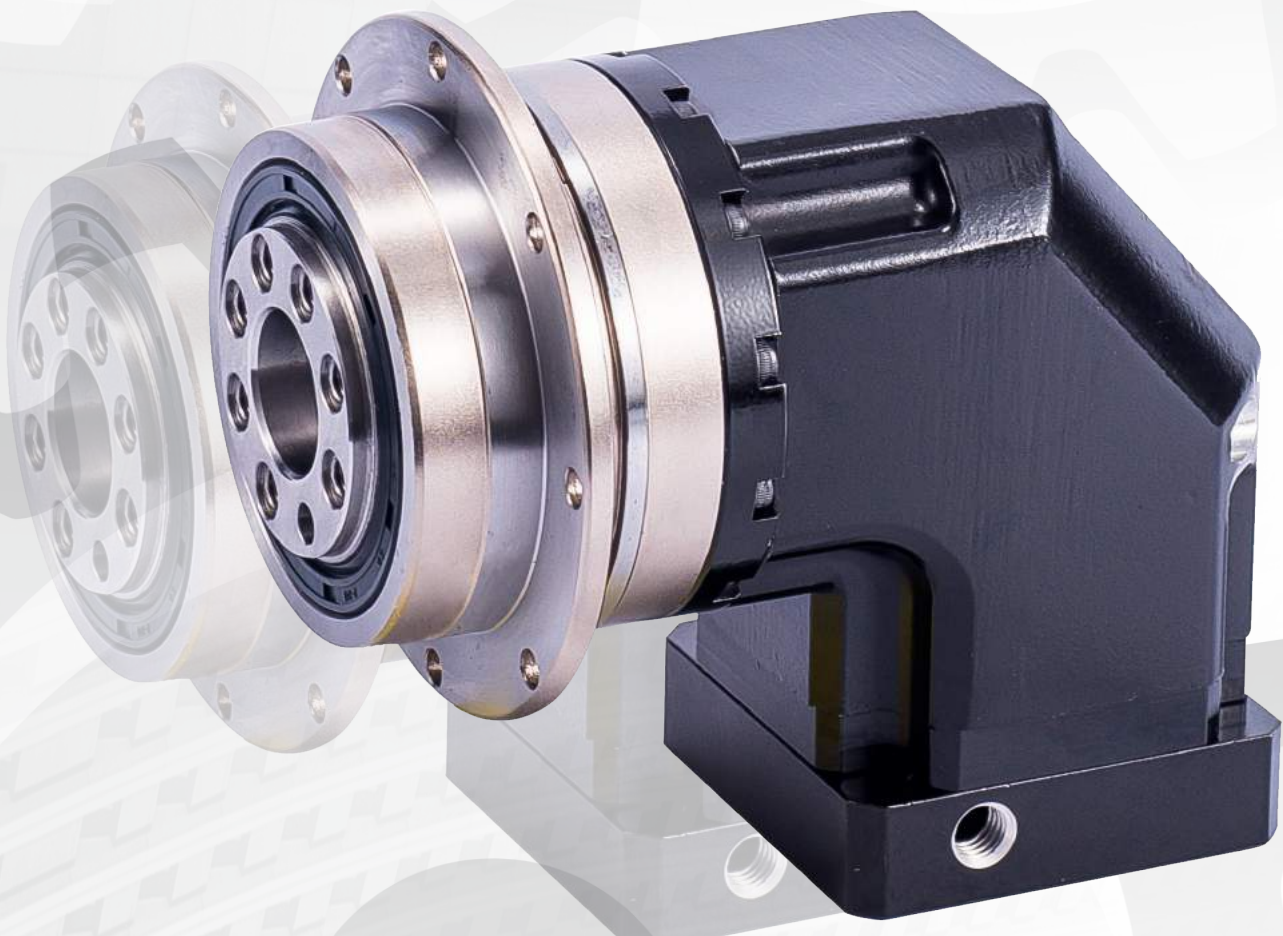


DRIVE TECHNIQUE

DADR Series

Precision Planetary Gearbox Right Angle
Helical Gear



DADR Series Right angle planetary gearbox

ORDERING CODE

D ADR 064 010 P2

1 2 3 4 5

1 Drive Technique mark

4 Ratio: 3.....200

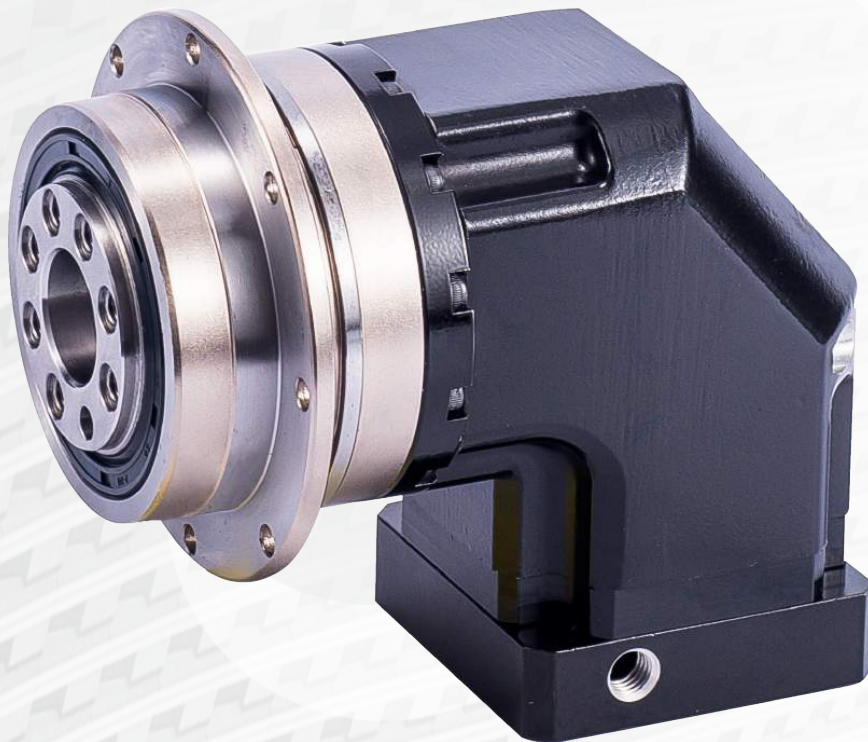
2 ADR: Type of gearbox

5 Backlash: P2 Standard

3 Size: 064 090 110 140

PERFORMANCE TABLE MASS MOMENT OF INERTIA (related to input)

Specifications	Unit	Stages	Reduction ratio (i)	DADR064	DADR090	DADR110	DADR140
Inertia J _i	kg * cm ²	1	4 ~ 10	0.35	2.25	6.84	23.4
			14	0.07	1.87	6.25	21.8
			20	0.07	1.87	6.25	21.8
		2	25 ~ 100	0.09	0.35	2.25	6.84
			140 ~ 200	0.09	0.31	1.87	6.25



DADR Series Right angle planetary gearbox

PERFORMANCE TABLE

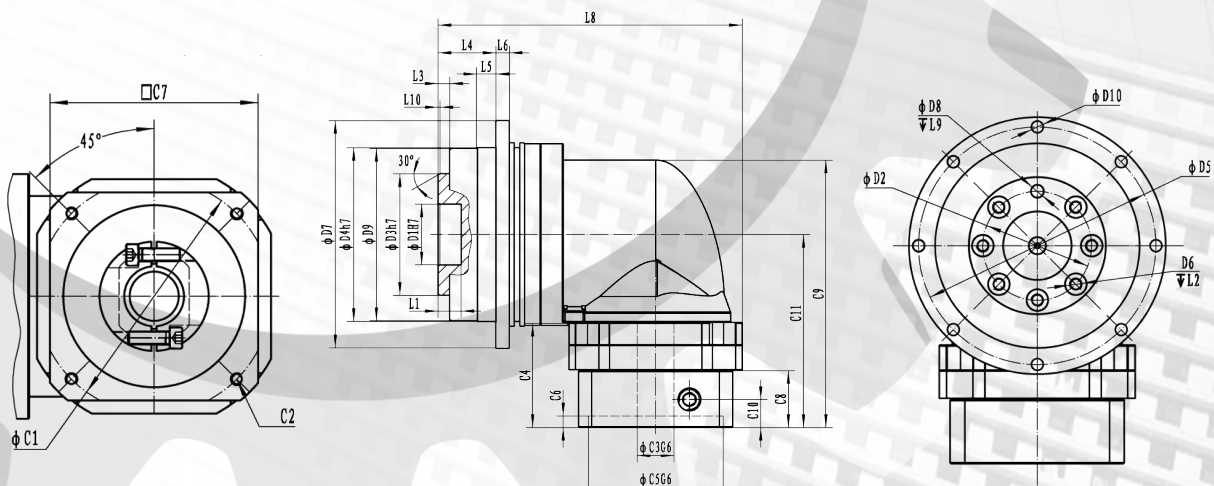
Specifications	Unit	Stages	Reduction ratio (i)	DADR064	DADR090	DADR110	DADR140
Rated output torque	Nm	1 (L1)	4	48	130	270	560
			5	60	160	330	650
			7	50	140	300	550
			10	40	100	230	450
			14	42	140	300	550
			20	40	100	230	450
		2 (L2)	25	60	160	330	650
			35	50	140	300	550
			40	48	130	270	560
			50	60	160	330	650
			70	50	140	300	550
			100	40	100	230	450
			140	50	140	300	550
			200	40	100	230	450
Maximum output torque	Nm	1,2	4 ~ 200	2 times the rated output torque			
Rated input speed	rpm	1,2	4 ~ 200	5000	4000	4000	3000
Max input speed	rpm	1,2	4 ~ 200	10000	8000	8000	6000
Backlash P2 (standard)	arcmin	1	4 ~ 20	≤8	≤8	≤8	≤8
		2	25 ~ 200	≤11	≤11	≤11	≤11
Torsional rigidity	Nm/ arcmin	1,2	4 ~ 200	13	31	82	151
Radial load	N	1,2	4 ~ 200	125	235	430	1300
Axial load	N	1,2	4 ~ 200	1050	2850	2990	10590
Efficiency (%)	%	1	4 ~ 20	≥ 95%			
		2	25 ~ 200	≥ 92%			
Weight	kg	1	4 ~ 20	1.9	4.5	9.8	20.1
		2	25 ~ 200	2.1	5.9	10.5	21.9
Temperature	°C	1,2	4 ~ 200	-10 °C ~ +90 °C			
Protection class		1,2	4 ~ 200	IP65			
Lubrication		1,2	4 ~ 200	Full synthetic lubricants			
Noise	dB(A)	1,2	4 ~ 200	≤63	≤65	≤68	≤70

DADR Series Right angle planetary gearbox

DIMENSIONS: 1 – STAGE (L1)

Size	DADR064	DADR090	DADR110	DADR140
D1 _{H7}	20	31.5	40	50
D2	31.5	50	63	80
D3 _{H7}	40	63	80	100
D4 _{H7}	64	90	110	140
D5	79	109	135	168
D6	7 x M5	7 x M6	11 x M6	11 x M8
D7	86	118	145	179
D8 _{H7}	5	6	6	8
D9	63.2	89.2	109.2	139.2
D10	8 x 4.5	8 x 5.5	8 x 5.5	12 x 6.6
L1	8	12	12	12
L2	9	12	15	17
L3	3	6	6	6
L4	19.5	30	29	38
L5	7	9.6	10	14.6
L6	4	7	8	10
L8	114.5	158	190	248
L9	6	7	7	7
L10	0.5	1	1	1
C1*	70	90	145	200
C2*	4 x M4	4 x M5	4 x M8	4 x M12
C3 _{g6} *	≤14	≤19 / ≤24	≤24	≤35 / ≤42
C4*	35	54	81	81
C5 _{g6} *	50	70	110	114.3
C6*	11	6	14	19
C7*	60	80	130	180
C8*	24.2	29.5	45	57
C9*	104.5	147	194.5	250.5
C10*	9.5	14.5	27	32
C11*	70	100	132	175.5

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

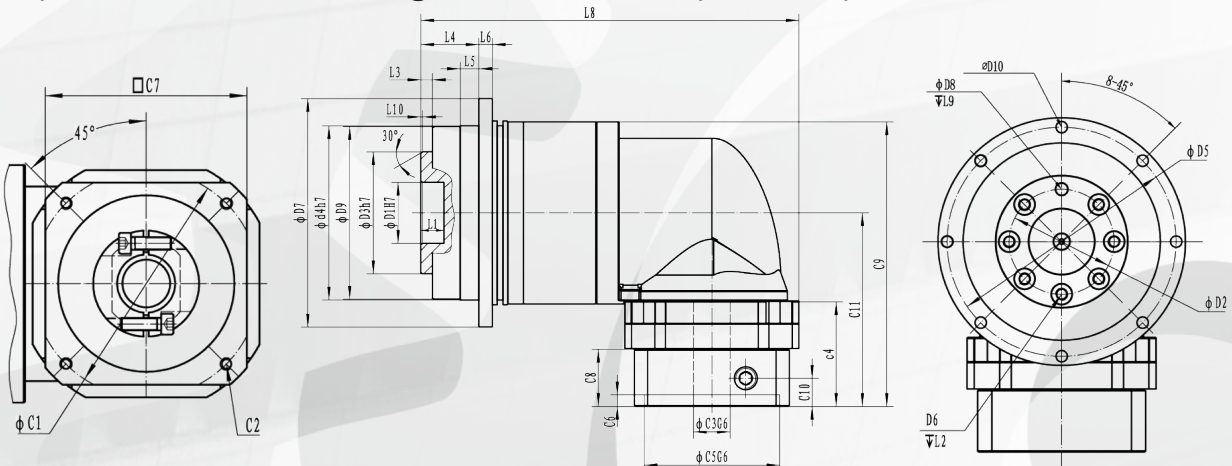


DADR Series Right angle planetary gearbox

DIMENSIONS: 2 – STAGE (L2)




Size	DADR064	DADR090	DADR110	DADR140
D1 _{H7}	20	31.5	40	50
D2	31.5	50	63	80
D3 _{H7}	40	63	80	100
D4 _{H7}	64	90	110	140
D5	79	109	135	168
D6	7 x M5	7 x M6	11 x M6	11 x M8
D7	86	118	145	179
D8 _{H7}	5	6	6	8
D9	63.2	89.2	109.2	139.2
D10	8 x 4.5	8 x 5.5	8 x 5.5	12 x 6.6
L1	8	12	12	12
L2	9	12	15	17
L3	3	6	6	6
L4	19.5	30	29	38
L5	7	9.6	10	14.6
L6	4	7	8	10
L8	146.5	195.5	219.5	325.5
L9	6	7	7	7
L10	0.5	1	1	1
C1*	70	90	145	200
C2*	4 x M4	4 x M5	4 x M8	4 x M12
C3 _{g6} *	≤14	≤19 / ≤24	≤24	≤35 / ≤42
C4*	35	54	67	81
C5 _{g6} *	50	70	110	114.3
C6*	11	6	11.5	19
C7*	60	80	130	180
C8*	24.2	29.5	42.5	57
C9*	104.5	147	160	250.5
C10*	9.5	14.5	27	32
C11*	70	100	113	175.5

*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**

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