

# ADR serie

## Overzicht



- Speciaal ontworpen voor continue bedrijf (S1) of cyclisch bedrijf (S5)
- Roestvast stalen behuizing, aluminium zwart geanodiseerde haakse behuizing en motor adapterplaat
- Roestvast stalen uitgaande as, flens ISO 9409
- Schuine vertanding
- Nominale koppels:
  - $T_{2N}$  : 14 Nm – 2000 Nm
- Overbrengverhouding
  - 1-traps : 4 / 5 / 7 / 10 / 14 / 20
  - 2-traps : 20 / 25 / 35 / 40 / 50 / 70 / 100 / 140 / 200
  - \*Alleen de ADR047 2-traps biedt ratio 20 optie.
- Spelingarm
  - 1-traps :  $\leq 2$  arcmin /  $\leq 4$  arcmin /  $\leq 6$  arcmin
  - 2-traps :  $\leq 4$  arcmin /  $\leq 7$  arcmin /  $\leq 9$  arcmin
- Hoog rendement
  - 1-traps :  $\geq 95\%$
  - 2-traps :  $\geq 92\%$
- Eenvoudige montage
- Laag geluidsniveau
- Zeer compacte bouw
- Bouwgrootte: ADR047 / ADR064 / ADR090 / ADR110 / ADR140 / ADR200 / ADR255

# Specificaties

Bouwgrootte	Trap	Ratio <sup>1</sup>	ADR047	ADR064	ADR090	ADR110	ADR140	ADR200	ADR255	
		4	19	48	130	270	560	1,100	1,700	
		5	22	60	160	330	650	1,200	2,000	
	1	7	19	50	140	300	550	1,100	1,800	
		10	14	60	160	325	650	1,200	2,000	
		14	-	42	140	300	550	1,100	1,800	
		20	-	40	100	230	450	900	1,500	
Nominaal uitgangskoppel T <sub>2N</sub>	Nm									
		20	19	-	-	-	-	-	-	
		25	22	60	160	330	650	1,200	2,000	
	2	35	19	50	140	300	550	1,100	1,800	
		40	19	48	130	270	560	1,100	1,700	
		50	22	60	160	330	650	1,200	2,000	
		70	19	50	140	300	550	1,100	1,800	
		100	14	40	100	230	450	900	1,500	
		140	-	-	140	300	550	1,100	1,800	
		200	-	-	100	230	450	900	1,500	
Noodstop koppel T <sub>2NOT3</sub>	Nm	1,2	4~200	3 keer Nominaal koppel T <sub>2N</sub>						
Nominaal Ingangssnelheid N <sub>1N</sub>	rpm	1,2	4~200	5,000	5,000	4,000	4,000	3,000	3,000	2,000
Max. Ingangssnelheid N <sub>1B</sub>	rpm	1,2	4~200	10,000	10,000	8,000	8,000	6,000	6,000	4,000
Micro verdraaispeling P0	arcmin	1	4~20	-	-	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
		2	25~200	-	-	≤ 4	≤ 4	≤ 4	≤ 4	≤ 4
Gereduceerde verdraaispeling P1	arcmin	1	4~20	≤ 4	≤ 4	≤ 4	≤ 4	≤ 4	≤ 4	≤ 4
		2	25~200	≤ 7	≤ 7	≤ 7	≤ 7	≤ 7	≤ 7	≤ 7
Standaard verdraaispeling P2	arcmin	1	4~20	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6
		2	25~200	≤ 9	≤ 9	≤ 9	≤ 9	≤ 9	≤ 9	≤ 9
Torsie stijfheid	Nm/ arcmin	1,2	4~200	7	13	31	82	151	440	1,006
Max. Buigmoment F <sub>2kB2</sub>	Nm	1,2	4~200	42.5	125	235	430	1,300	3,064	5,900
Max. Axiale Last F <sub>2B2</sub>	N	1,2	4~200	1,080	2,110	2,310	4,800	6,200	5,450	10,600
Service Life	hr	1,2	4~200	30,000 *						
Rendement	%	1	4~20	≥ 95 %						
		2	25~200	≥ 92 %						
Gewicht	kg	1	4~20	1.1	2.1	5.9	10.5	21.9	50.9	85.4
		2	25~200	1.4	1.9	4.5	9.8	20.1	45.4	85.9
Bedrijfstemperatuur	°C	1,2	4~200	-10°C ~+ 90°C						
Smeermiddel		1,2	4~200	synthetisch tandwiel smeermiddel (NYOGEL 792D)						
Beschermingsklasse		1,2	4~200	IP65						

Montage positie		1,2	4-200					alle richtingen		
Geluidsniveau ( $n_1=3000$ rpm, No Load)	dB(A)	1,2	4-200	$\leq 61$	$\leq 63$	$\leq 65$	$\leq 68$	$\leq 70$	$\leq 72$	$\leq 74$

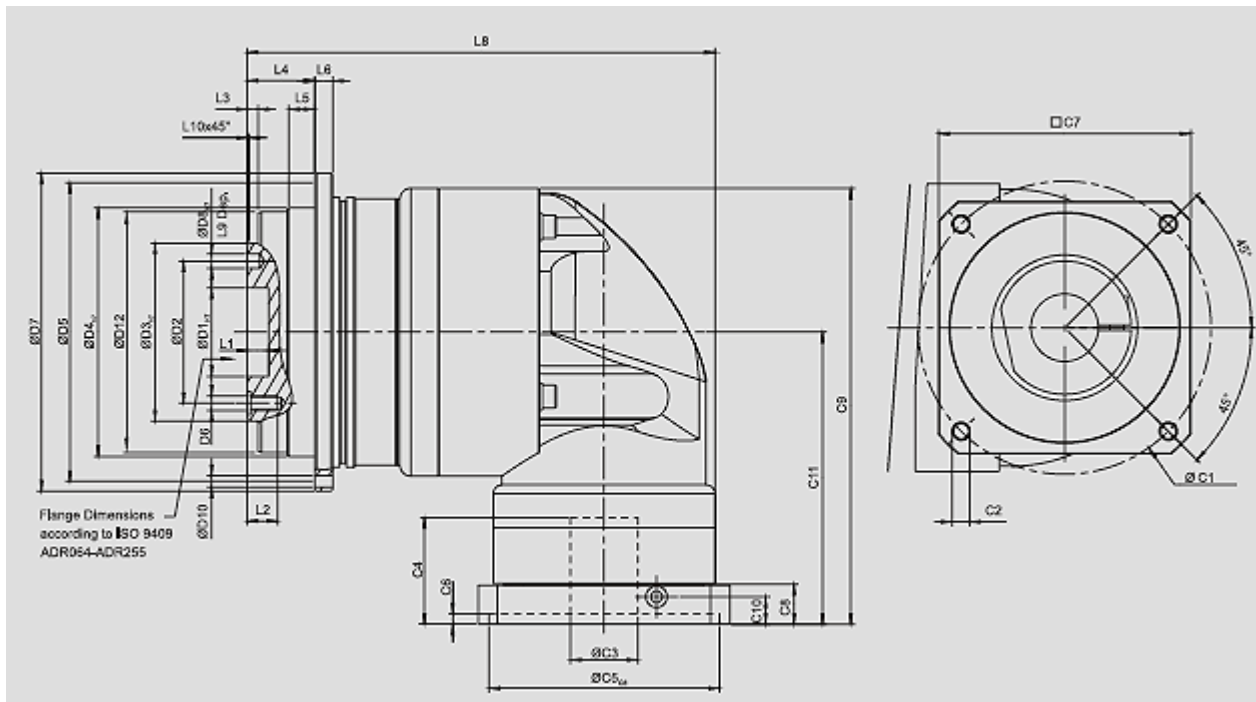
1. Overbrengverhouding (ratio) (  $i=N$  in /  $N$  out )
  2. Uitgeoefend op uitgaande flens @ 100 rpm
  3. Maximaal versnellingskoppel  $T_{2B} = 60\%$  van  $T_{2NOT}$
- \* S1 service life 15,000 hrs.

# Massatraagheid

Bouwgrootte	Trap	Ratio <sup>1</sup>	ADR047	ADR064	ADR090	ADR110	ADR140	ADR200	ADR255
Massatraagheid of inertia $J_1$	1	4~10	0.09	0.35	2.25	6.84	23.4	68.9	135.4
		14	-	0.07	1.87	6.25	21.8	65.6	119.8
		20	0.09	0.07	1.87	6.25	21.8	65.6	119.8
	2	25~100	0.09	0.09	0.35	2.25	6.84	23.4	68.9
		140~200	-	-	0.31	1.87	6.25	21.8	65.6

# Afmetingen

## ADR serie 1-traps, ratio i= 4~20



	ADR047	ADR064	ADR090	ADR110	ADR140	ADR200	ADR255
D1H7	12	20	31.5	40	50	80	100
D2	20	31.5	50	63	80	125	140
D3h7	28	40	63	80	100	160	180
D4h7	47	64	90	110	140	200	255
D5	67	79	109	135	168	233	280
D6	4 X M3 X 0.5P	7 X M5 X 0.8P	7 X M6 X 1P	11 X M6 X 1P	11 X M8 X 1.25P	11 X M10 X 1.5P	12 X M16 X 2P
D7	72	86	118	145	179	247	300
D8H7	3	5	6	6	8	10	12
D10	8 X 3.4	8 X 4.5	8 X 5.5	8 X 5.5	12 X 6.6	12 X 9	16 X 13.5
D12	46.2	63.2	89.2	109.2	139.2	199.2	254.2
L1	4	8	12	12	12	16	20
L2	6.5	8	13.5	13.5	17	22.5	30.5
L3	3	3	6	6	6	8	12
L4	19.5	19.5	30	29	38	50	66
L5	7	7	10	10	14.6	15	20
L6	4	4	7	8	10	12	18
L8	107.5	126	172.5	201	263.5	334.5	392
L9	4	6	7	7	7	10	10
L10	0.5	0.5	1	1	1	1	1
C1 <sup>3</sup>	46	70	100	130	165	215	235
C2 <sup>3</sup>	M4 X 0.7P	M5 X 0.8P	M6 X1P	M8 X 1.25P	M10 X 1.5P	M12 X 1.75P	M12 X 1.75P
C3 <sup>3</sup>	≤11	≤14 / ≤16	≤19 / ≤24	≤32	≤38	≤48	≤55
C4 <sup>3</sup>	30	34	40	50	60	85	116
C5 <sup>3</sup> <sub>66</sub>	30	50	80	110	130	180	200
C6 <sup>3</sup>	3.5	8	4	5	6	6	6
C7 <sup>3</sup>	48	60	90	115	142	190	220
C8 <sup>3</sup>	19.5	16	17	19.5	22.5	29	63
C9 <sup>3</sup>	104.25	116.5	159.5	199	245.5	316	398.5
C10 <sup>3</sup>	13.25	13.5	10.75	13	15	20.75	53.5

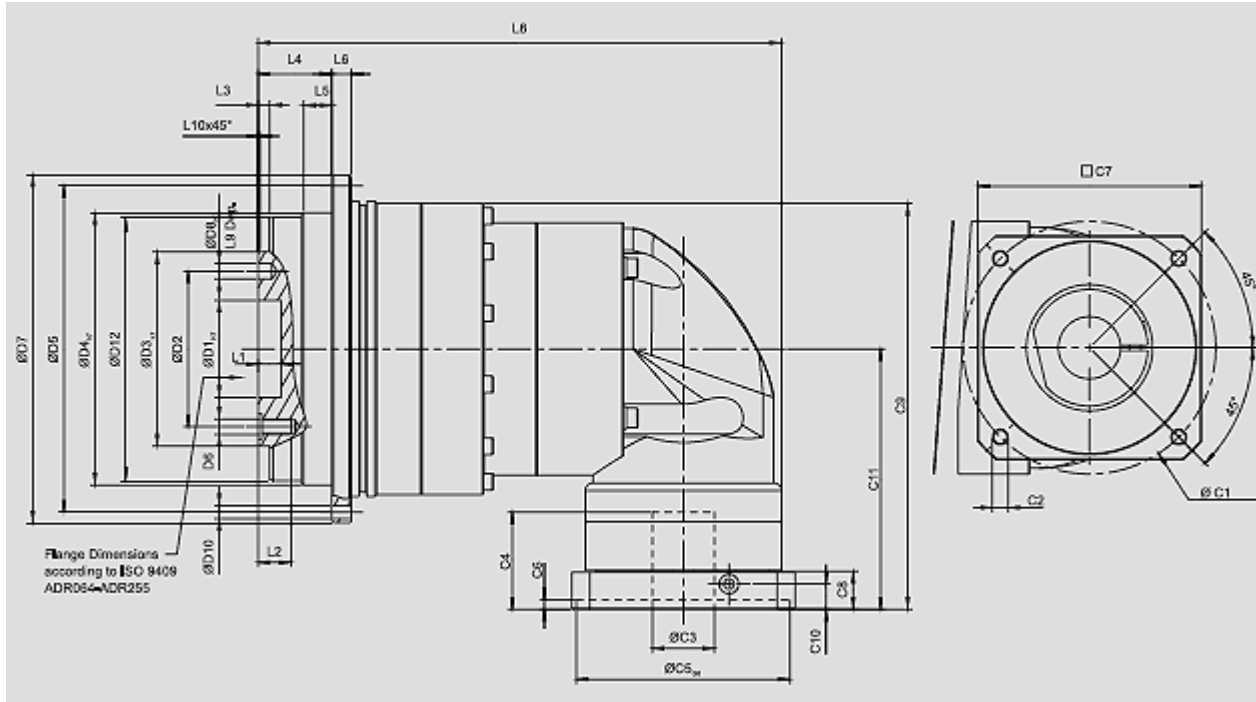
C11 <sup>3</sup>	74	81.5	107.5	134	164.5	213.5	268.5
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3. C1~C10 zijn motor specifieke afmetingen.

\* ADR064M1 biedt C3 ≤16 optie.

\* ADR090M1 biedt C3 ≤24 optie.

### ADR serie 2-traps, ratio i= 25~200



	ADR047	ADR064	ADR090	ADR110	ADR140	ADR200	ADR255
D1 <sub>H7</sub>	12	20	31.5	40	50	80	100
D2	20	31.5	50	63	80	125	140
D3 <sub>H7</sub>	28	40	63	80	100	160	180
D4 <sub>H7</sub>	47	64	90	110	140	200	255
D5	67	79	109	135	168	233	280
D6	4 X M3 X 0.5P	7 X M5 X 0.8P	7 X M6 X 1P	11 X M6 X 1P	11 X M8 X 1.25P	11 X M10 X 1.5P	12 X M16 X 2P
D7	72	86	118	145	179	247	300
D8 <sub>H7</sub>	3	5	6	6	8	10	12
D10	8 X 3.4	8 X 4.5	8 X 5.5	8 X 5.5	12 X 6.6	12 X 9	16 X 13.5
D12	46.2	63.2	89.2	109.2	139.2	199.2	254.2
L1	4	8	12	12	12	16	20
L2	6.5	8	13.5	13.5	17	22.5	30.5
L3	3	3	6	6	6	8	12
L4	19.5	19.5	30	29	38	50	66
L5	7	7	10	10	14.6	15	20
L6	4	4	7	8	10	12	18
L8	122	132.5	163	217.5	269.5	333.5	403
L9	4	6	7	7	7	10	10
L10	0.5	0.5	1	1	1	1	1
C1 <sup>3</sup>	46	46	70	100	130	165	200
C2 <sup>3</sup>	M4 X 0.7P	M4 X 0.7P	M4 X 0.7P	M6 X 1P	M8 X 1.25P	M10 X 1.5P	M12 X 1.75P
C3 <sup>3</sup>	≤11	≤11 / ≤12	≤14 / ≤15.875 / ≤16	≤19 / ≤24	≤32	≤38	≤48

C4 <sup>3</sup>	30	30	30	40	50	60	85
C5 <sup>3</sup> <sub>G6</sub>	30	30	50	80	110	130	180
C6 <sup>3</sup>	3.5	3.5	8	4	5	6	6
C7 <sup>3</sup>	48	48	60	90	115	142	190
C8 <sup>3</sup>	19.5	19.5	19	17	19.5	22.5	29
C9 <sup>3</sup>	103.25	108.25	128.25	166.5	209	269.5	340
C10 <sup>3</sup>	13.25	13.25	13.5	10.75	13	15	20.75
C11 <sup>3</sup>	74	74	81.5	107.5	134	164.5	213.5

4. C1~C10 zijn motor specifieke afmetingen.

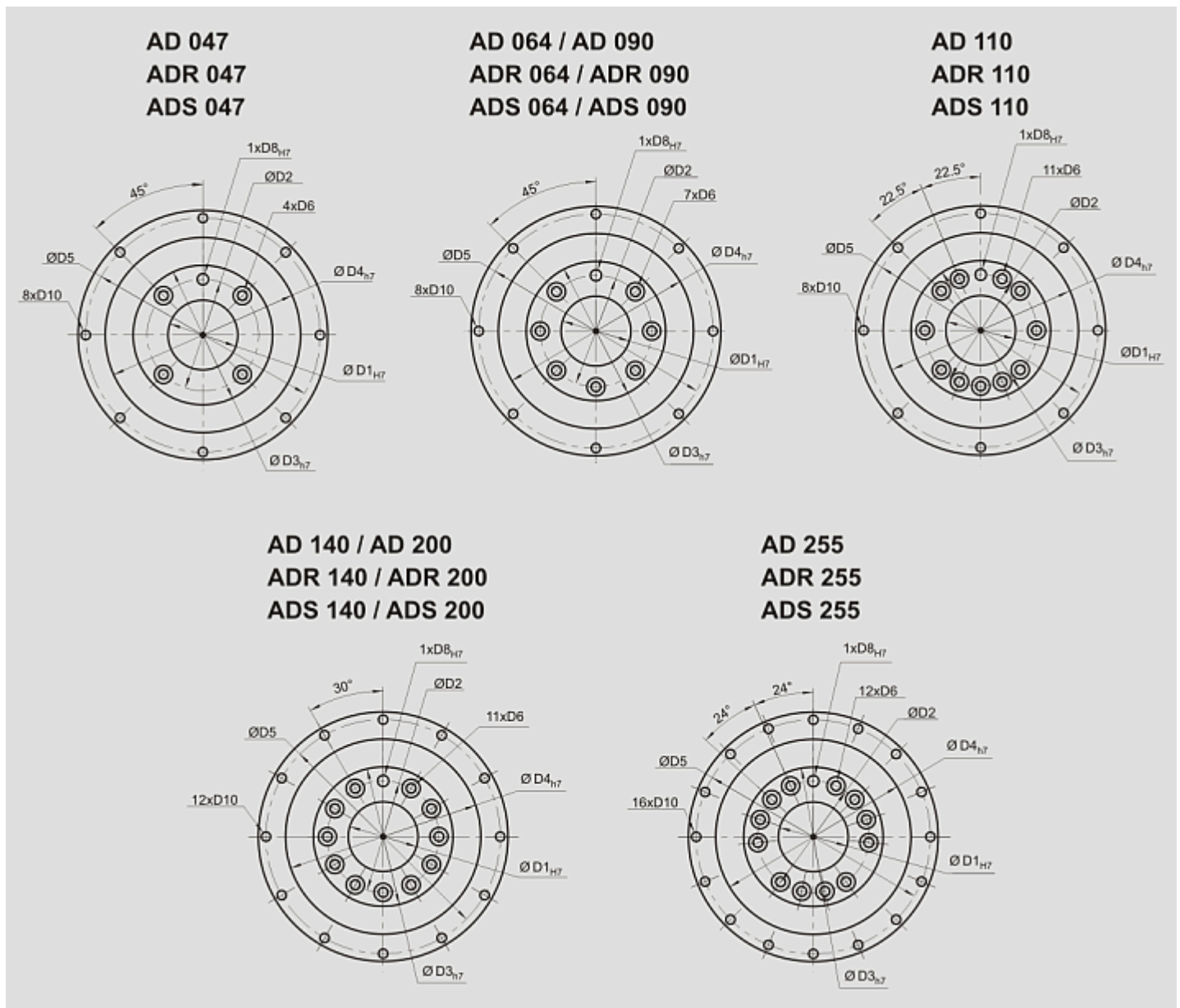
\* ADR064M1 biedt C3 ≤12 optie.

\* ADR090M1 biedt C3 ≤16 optie.

\* ADR090M2 biedt C3 =15,875 optie.

\* ADR110M1 biedt C3 ≤24 optie.

#### Afmetingen uitgaande flens ( ISO 9409 )



Dimension	AD047	AD064	AD090	AD110	AD140	AD200	AD255
	ADR047	ADR064	ADR090	ADR110	ADR140	ADR200	ADR255
	ADS047	ADS064	ADS090	ADS110	ADS140	ADS200	ADS255
<b>D1<sub>H7</sub></b>	12	20	31.5	40	50	80	100
<b>D2</b>	20	31.5	50	63	80	125	140
<b>D3<sub>H7</sub></b>	28	40	63	80	100	160	180
<b>D4<sub>H7</sub></b>	47	64	90	110	140	200	255
<b>D5</b>	67	79	109	135	168	233	280
<b>D6</b>	M3 x 0.5P	M5 x 0.8P	M6 x 1P	M6 x 1P	M8 x 1.25P	M10 x 1.5P	M16 x 2P
<b>D8<sub>H7</sub></b>	3	5	6	6	8	10	12
<b>D10</b>	3.4	4.5	5.5	5.5	6.6	9	13.5