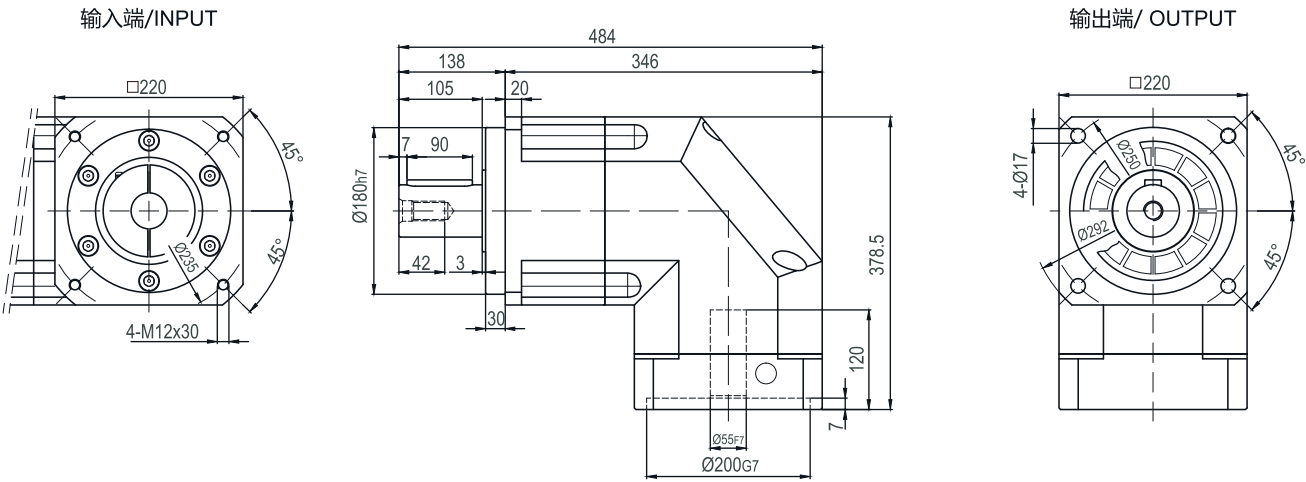


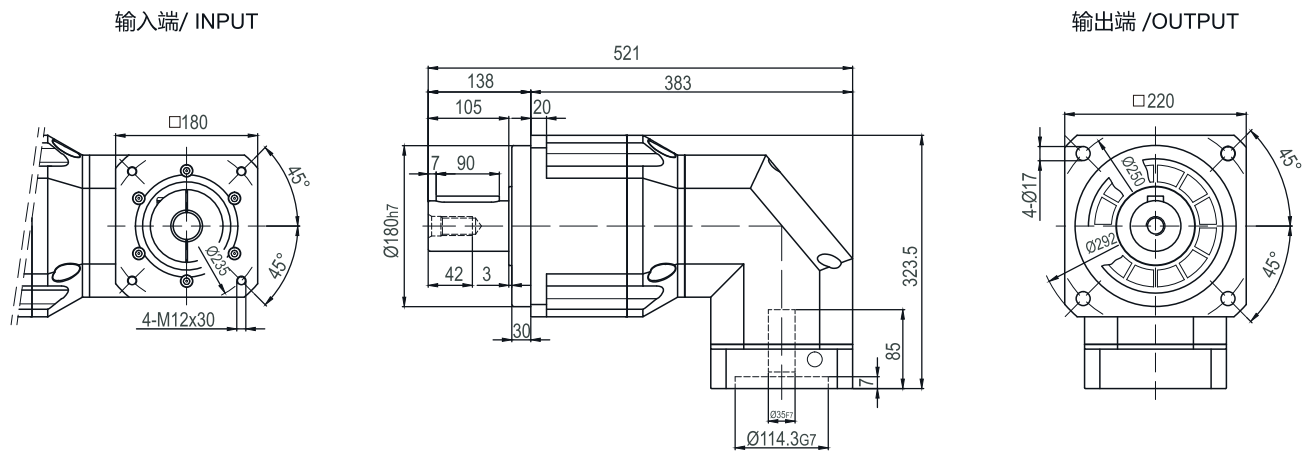
外形尺寸图表 / OUTLINE DIMENSION SHEET

FAD
SERIES

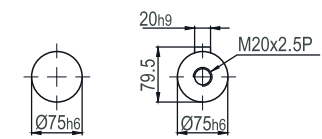
FABR-220-L1



FABR-220-L2



输出轴径/Output Diameter



轴型式 S1 轴型式 S2



*输入马达连接板之尺寸,可根据客户要求单独定做。
*The input motor specific dimensions could be customised.

型号说明 / MODEL ILLUMINATE

FAD 090

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10

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P2

/

马达

减速机型式：
FAD047/FAD064/FAD090
FAD110/FAD140/FAD200/FAD255

背隙：P0：超精密背隙
P1：精密背隙
P2：标准背隙

减速比：单级(L1)：4,5,6,7,8,10
双级(L2)：20,25,35,40,50,60,70,80,100

马达型号：
马达制造及型号

选用范例：FAD090-10-P2/MHMD-082G1U

减速机性能资料 / GEAR BOX PERFORMANCE INFORMATION

规 格		级 数	减速比 ¹	FAD047	FAD064	FAD090	FAD110	FAD140	FAD200	FAD255
额定出力矩T _{2N}	Nm	1	4	19	48	130	270	560	1,100	1,700
			5	22	60	160	330	650	1,200	2,000
			6	-	55	150	310	600	-	-
			7	19	50	140	300	550	1,100	1,800
			8	17	45	120	260	500	1,000	1,600
		2	10	14	40	100	230	450	520	1,220
			20	19	48	130	270	560	1,100	1,700
			25	22	60	160	330	650	1,200	2,000
			35	22	60	160	330	650	1,200	2,000
			40	22	48	130	270	560	1,200	2,000
			50	22	60	160	330	650	1,200	2,000
			60	-	55	150	310	600	-	-
			70	19	50	140	300	550	1,100	1,800
			80	-	45	120	260	500	-	-
			100	14	40	100	230	450	520	1,220
最大出力矩T _{2B}	Nm	1,2	4~100	3倍额定出力矩						
额定输入转速n ₁	rpm	1,2	4~100	5,000	5,000	4,000	4,000	3,000	3,000	2,000
最大输入转速n _{1B}	rpm	1,2	4~100	10,000	10,000	8,000	8,000	6,000	6,000	4,000
超精密背隙 P0	arcmin	1	4~100	-	-	≤1	≤1	≤1	≤1	≤1
		2	4~10	-	-	-	≤3	≤3	≤3	≤3
精密背隙 P1	arcmin	1	20~100	≤3	≤3	≤3	≤3	≤3	≤3	≤3
		2	4~10	≤5	≤5	≤5	≤5	≤5	≤5	≤5
标准背隙 P2	arcmin	1	20~100	≤5	≤5	≤5	≤5	≤5	≤5	≤5
		2	4~10	≤7	≤7	≤7	≤7	≤7	≤7	≤7
扭转刚性	Nm/arcmin	1,2	20~100	7	13	31	82	151	440	1,006
最大弯曲力矩M _{2KB} ²	Nm	1,2	4~100	42.5	125	235	430	1,300	3,064	5,900
容许径向力F _{2B} ²	N	1,2	4~100	1,080	2,110	2,310	4,800	6,200	5,450	10,600
使用寿命	hr	1,2	4~100	20,000*						
效率 η	%	1	4~10	≥97%						
		2	20~100	≥94%						
重量	kg	1	4~10	0.7	1.2	3.0	5.6	11.9	31.6	56.1
		2	20~100	1.0	1.6	3.7	7.3	15.9	36.9	70.4
使用温度	℃	1,2	4~100	-10℃~+90℃						
润滑		1,2	4~100	合成润滑油脂						
防护等级		1,2	4~100	IP65						
安装方向		1,2	4~100	任意方向						
噪音值 (n ₁ =3000rpm)	dB	1,2	4~100	≤56	≤58	≤60	≤63	≤65	≤67	≤70

减速机转动惯量

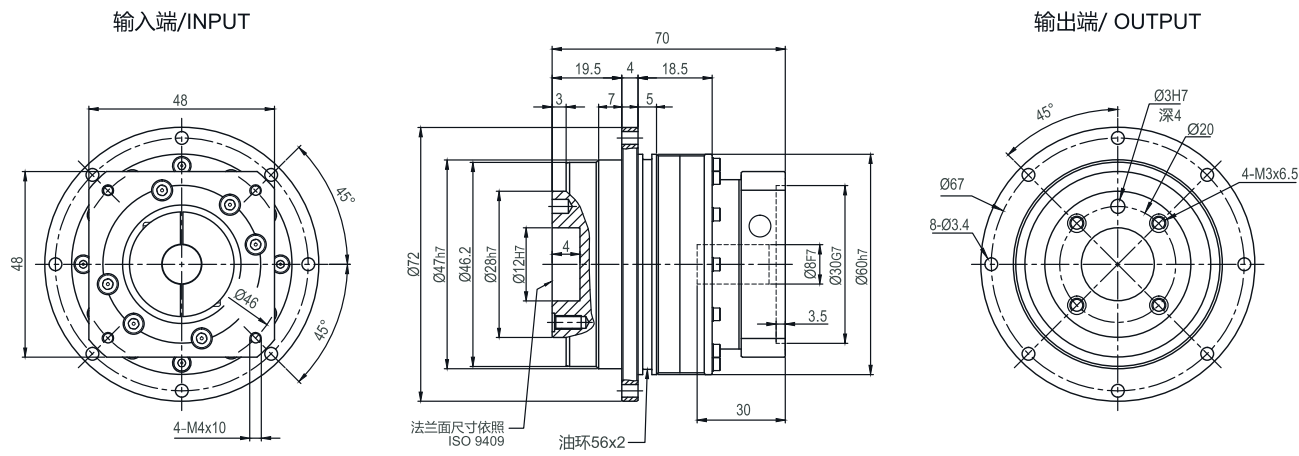
规 格		级 数	减速比 ¹	FAD047	FAD064	FAD090	FAD110	FAD140	FAD200	FAD255
转动惯量J ₁	kg·cm ²	1	4	0.03	0.14	0.51	2.87	7.54	25.03	58.31
			5	0.03	0.13	0.47	2.71	7.42	23.29	53.27
			6	-	0.13	0.45	2.65	7.25	-	-
			7	0.03	0.13	0.45	2.62	7.14	22.48	50.97
			8	0.03	0.13	0.45	2.58	7.07	22.48	50.97
			10	0.03	0.13	0.44	2.57	7.03	22.51	50.56
		2	20	0.03	0.03	0.13	0.47	2.71	7.42	23.29
			25	0.03	0.03	0.13	0.47	2.71	7.42	23.29
			35	0.03	0.03	0.13	0.47	2.71	7.42	23.29
			40	0.03	0.03	0.13	0.44	2.57	7.03	22.51
			50	0.03	0.03	0.13	0.44	2.57	7.03	22.51
			60	-	0.03	0.13	0.44	2.57	-	-
			70	0.03	0.03	0.13	0.44	2.57	7.03	22.51
			80	-	0.03	0.13	0.44	2.57	-	-
			100	0.03	0.03	0.13	0.44	2.57	7.03	22.51

1.减速比 (i=N_{in}/N_{out})
* 连续运转降低使用寿命二分之一。

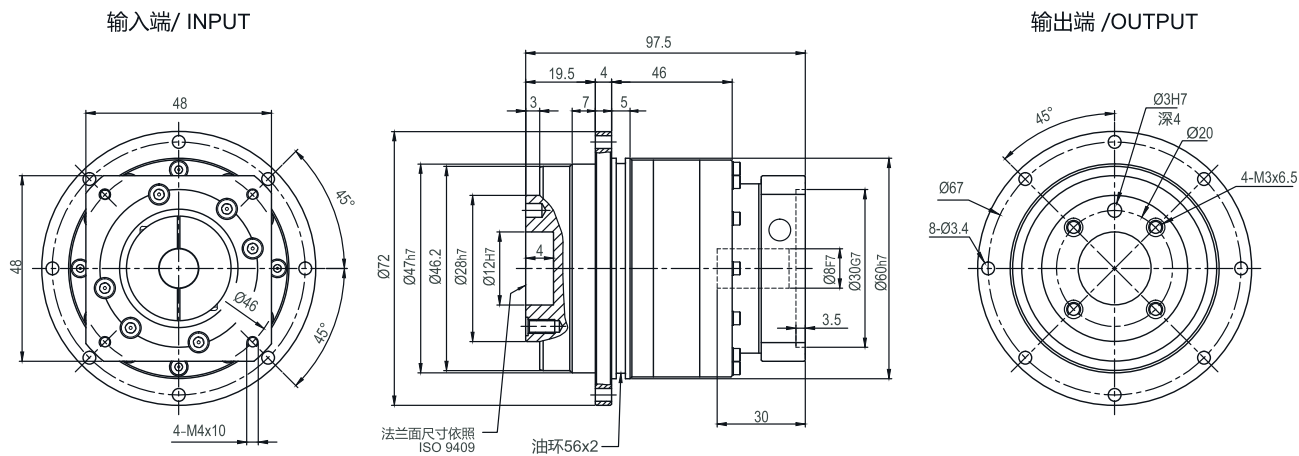
2.输出转数 100rpm 时，作用于输出轴中心位置。

外形尺寸图表 / OUTLINE DIMENSION SHEET

FAD-047-L1



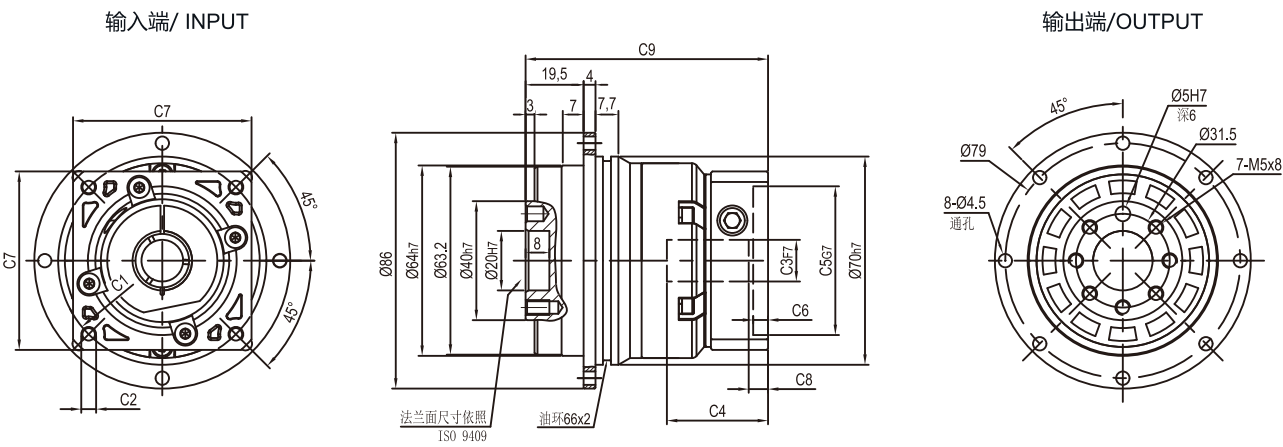
FAD-047-L2



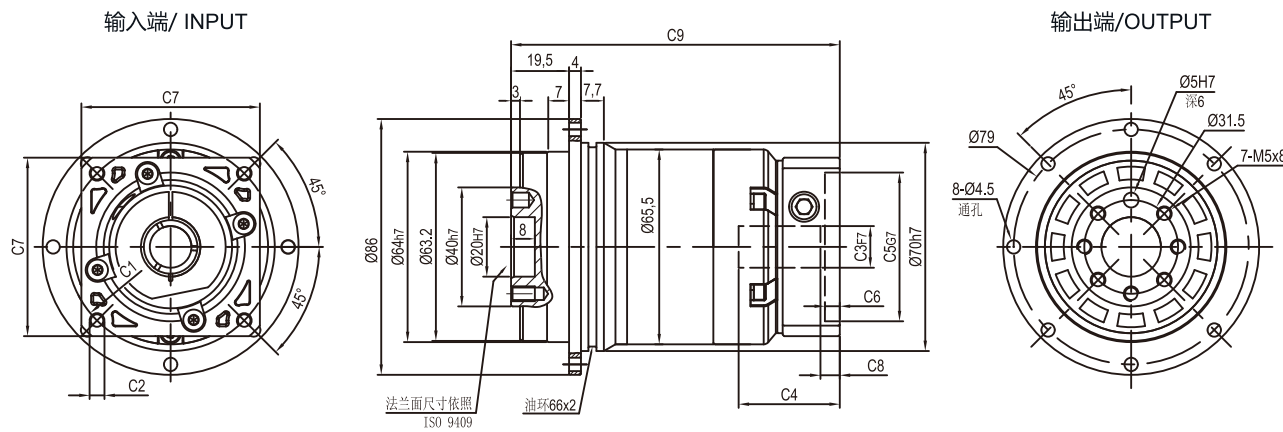
*输入马达连接板之尺寸,可根据客户要求单独定做。
*The input motor specific dimensions could be customised.

外形尺寸图表 / OUTLINE DIMENSION SHEET

FAD-064D(M1)-L1



FAD-064D(M1)-L2

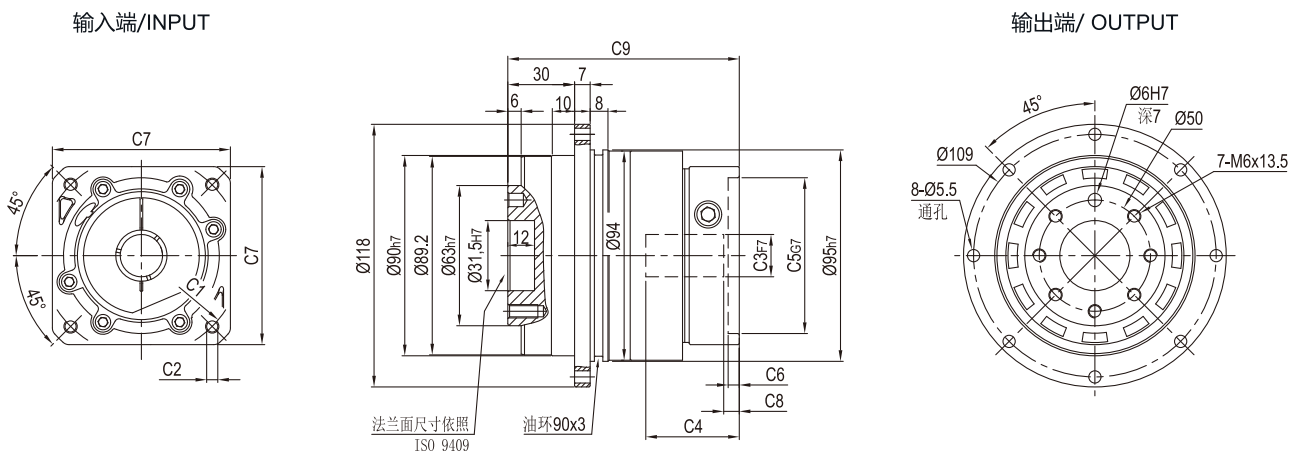


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FAD-064D-L1	Ø66.7	4-M4x10	Ø8	34	Ø38.1	5	60	5.5	81.5
FAD-064D-L2	Ø70	4-M4x10,4-M5x12	Ø11,Ø14	34	Ø50	5	60	5.5	110.5
FAD-064M1-L1	Ø90	4-M5x12,4-M6x14	Ø19	42	Ø70	6.5	80	12	88
FAD-064M1-L2									117

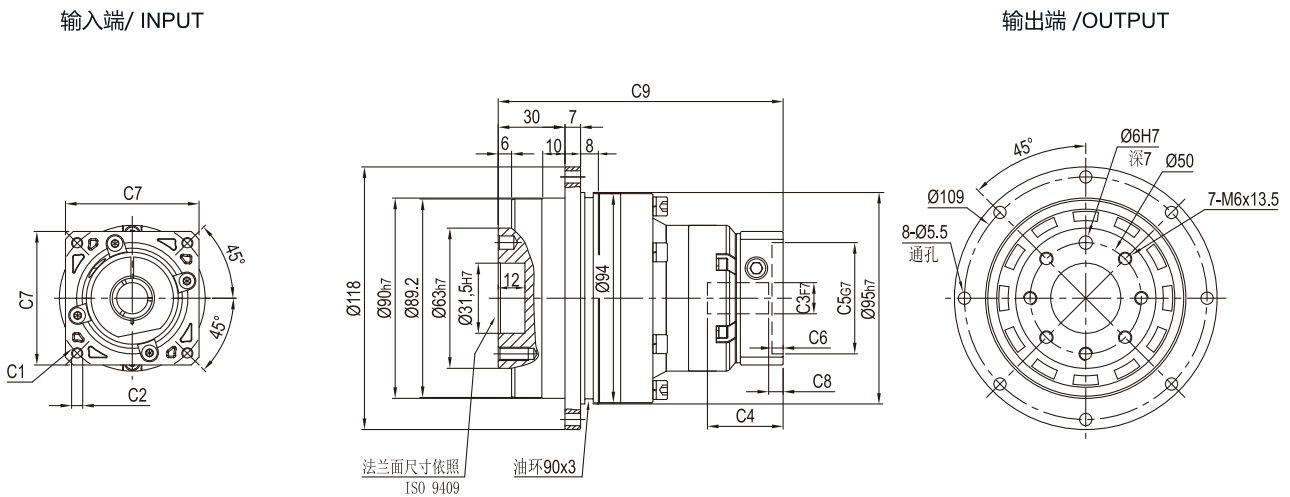
* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C7are motor(metric standard) specific dimensions, which could be customised.
* D:常规孔, M1:极限孔
* D: Conventional Hole, M1: Limit Hole

外形尺寸图表 / OUTLINE DIMENSION SHEET

FAD-090D(M1)-L1



FAD-090D(M1)-L2

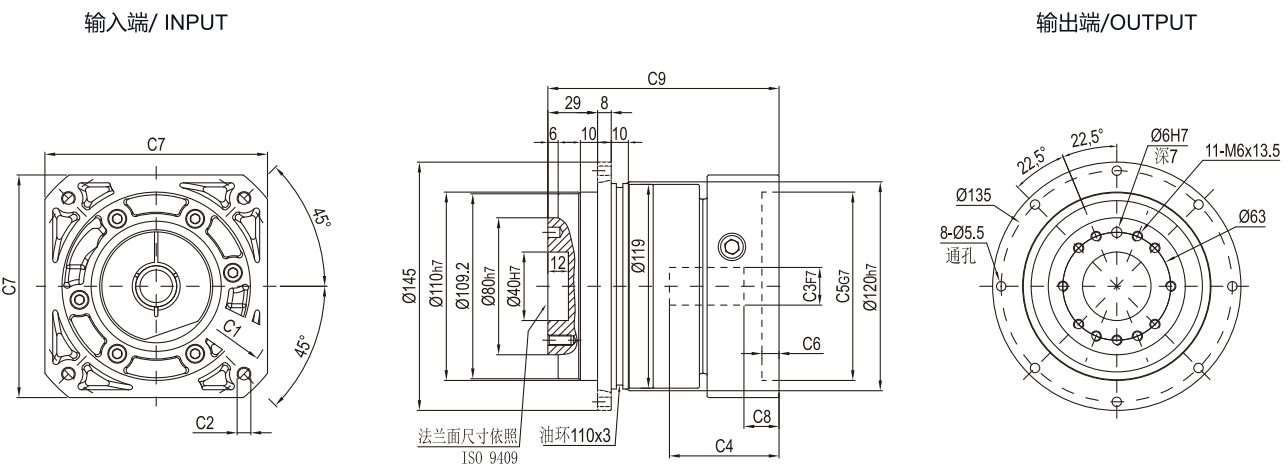


尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FAD-090D-L1	Ø90	4-M5x12, 4-M6x14	Ø19	42	Ø70	6.5	80	7	104
	Ø100	4-M6x14	Ø16	42	Ø80	6.5	86	6	104
FAD-090M1-L1	Ø115	4-M8x20	Ø19, Ø22	56.5	Ø95	8	100	16.5	119.5
	Ø145	4-M8x20	Ø19, Ø22, Ø24	59	Ø110	11	130	19	122
FAD-090D-L2	Ø66.7	4-M4x10	Ø8	34	Ø38.1	5	60	5.5	128
	Ø70	4-M4x10, 4-M5x12	Ø11, Ø14	34	Ø50	5	60	5.5	128
FAD-090M1-L2	Ø90	4-M5x12, 4-M6x14	Ø19	42	Ø70	6.5	80	12	134.5
	Ø100	4-M6x14	Ø16	42	Ø80	6.5	86	11	134.5

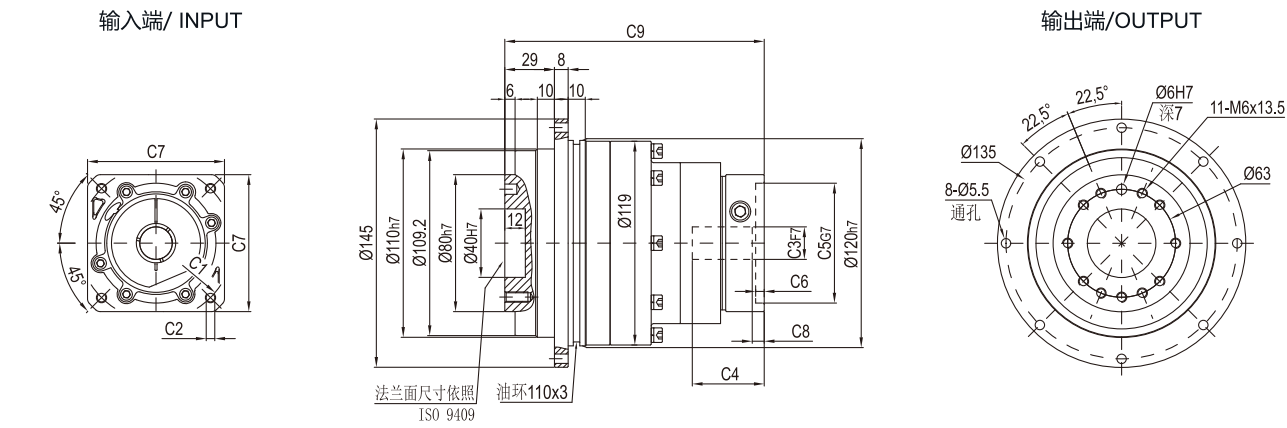
* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C7are motor(metric standard) specific dimensions, which could be customised.
* D:常规孔,M1:极限孔
* D: Conventional Hole, M1: Limit Hole

外形尺寸图表 / OUTLINE DIMENSION SHEET

FAD-110D(M1)-L1



FAD-110D(M1)-L2



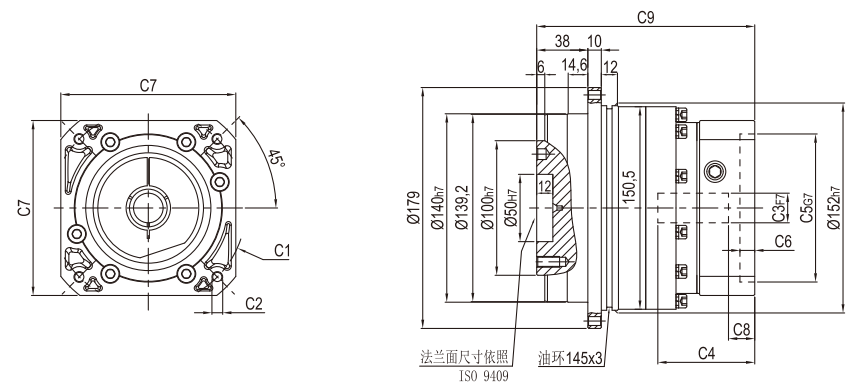
尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FAD-110D-L1	Ø145	4-M8x20	Ø19, Ø22, Ø24	64	Ø110	10	130	19.5	135
FAD-110M1-L1	Ø200	4-M12x28	Ø35	81	Ø114.3	10	180	28	152.5
FAD-110D-L2	Ø90	4-M5x12, 4-M6x14	Ø19	42	Ø70	6.5	80	7	151.5
	Ø100	4-M6x14	Ø16	42	Ø80	6.5	86	6	151.5
FAD-110M1-L2	Ø115	4-M8x20	Ø19, Ø22	56.5	Ø95	8	100	16.5	167
	Ø145	4-M8x20	Ø19, Ø22, Ø24	59	Ø110	11	130	19	169.5

* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。
* C1~C7are motor(metric standard) specific dimensions, which could be customised.
* D:常规孔,M1:极限孔
* D: Conventional Hole, M1: Limit Hole

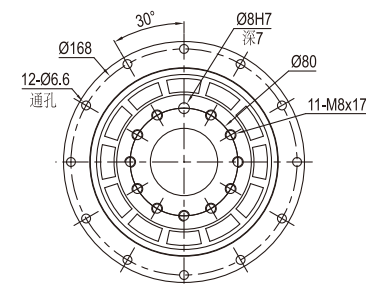
外形尺寸图表 / OUTLINE DIMENSION SHEET

FAD-140D(M1)-L1

输入端/INPUT

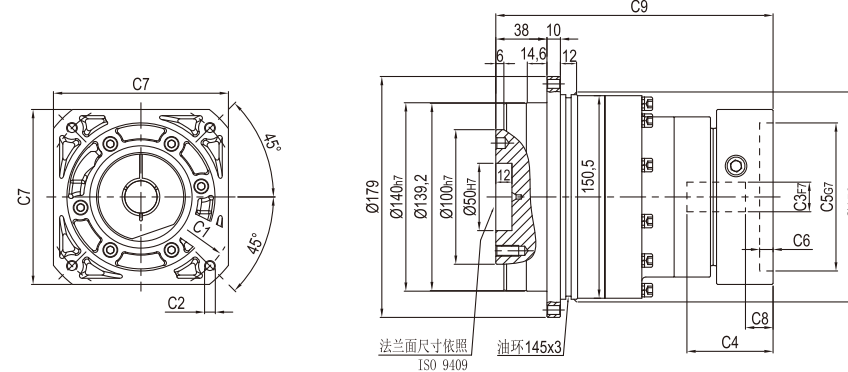


输出端/ OUTPUT

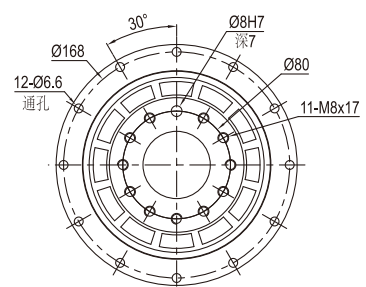


FAD-140D(M1)-L2

输入端/ INPUT



输出端 /OUTPUT



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FAD-140D-L1	Ø145	4-M8x20	Ø22,Ø24	72	Ø110	11	130	19.5	162
	Ø200	4-M12x28	Ø35	81.5	Ø114.3	8	180	25	172
FAD-140D-L2	Ø145	4-M8x20	Ø19,Ø22,Ø24	64	Ø110	10	130	19.5	206
FAD-140M1-L2	Ø200	4-M12x28	Ø35	81	Ø114.3	10	180	28	223.5

* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C7are motor(metric standard) specific dimensions, which could be customised.

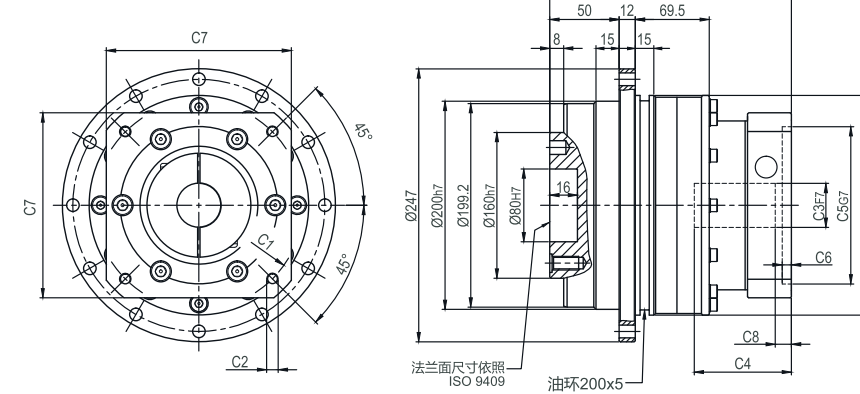
* D:常规孔,M1:极限孔

* D: Conventional Hole, M1: Limit Hole

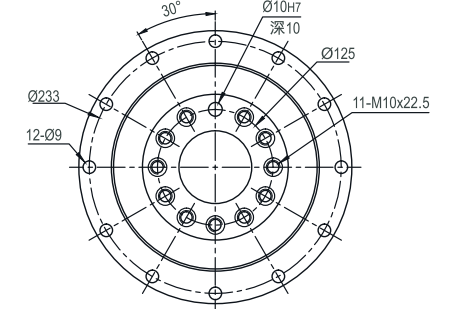
外形尺寸图表 / OUTLINE DIMENSION SHEET

FAD-200-L1

输入端/ INPUT

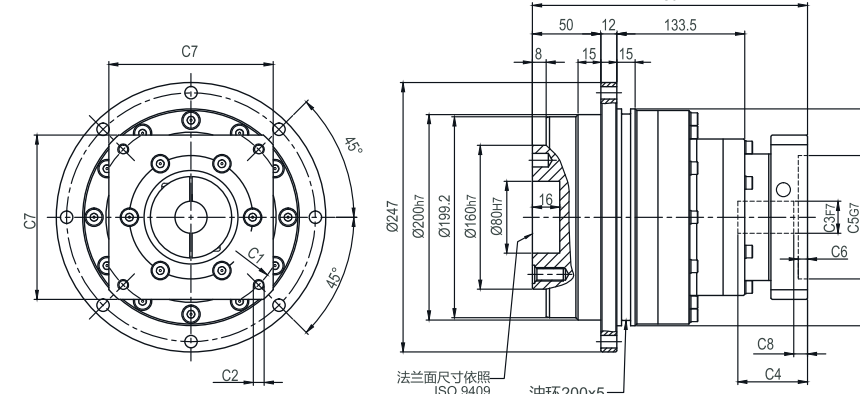


输出端/OUTPUT

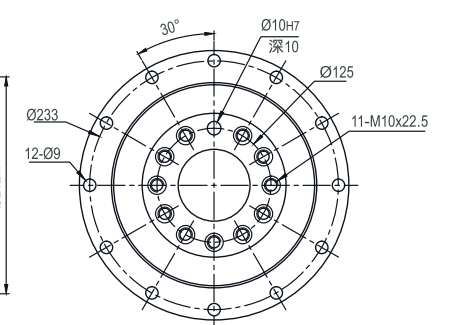


FAD-200-L2

输入端/ INPUT



输出端/OUTPUT



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FAD-200-L1	Ø165	4-M10x25	Ø32	86	Ø130	6	168	8.5	199.5
	Ø200	4-M12x28	Ø35	86	Ø114.3	6	180	8.5	199.5
FAD-200-L2	Ø145	4-M8x25	Ø22,Ø24	75	Ø110	11	130	19	249.5
	Ø200	4-M12x30	Ø35	83	Ø114.3	8	180	28	257.5

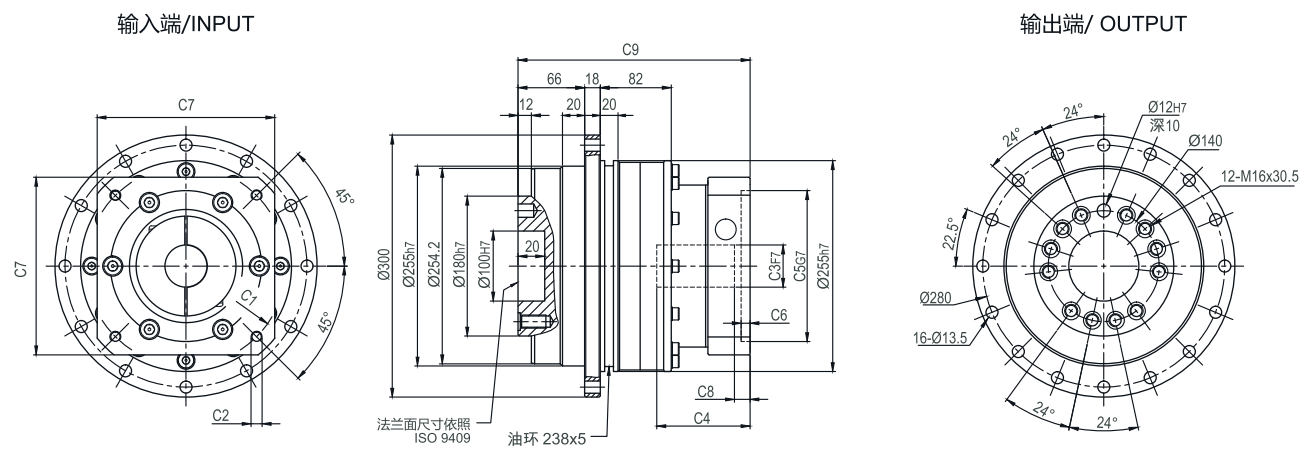
* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C7are motor(metric standard) specific dimensions, which could be customised.

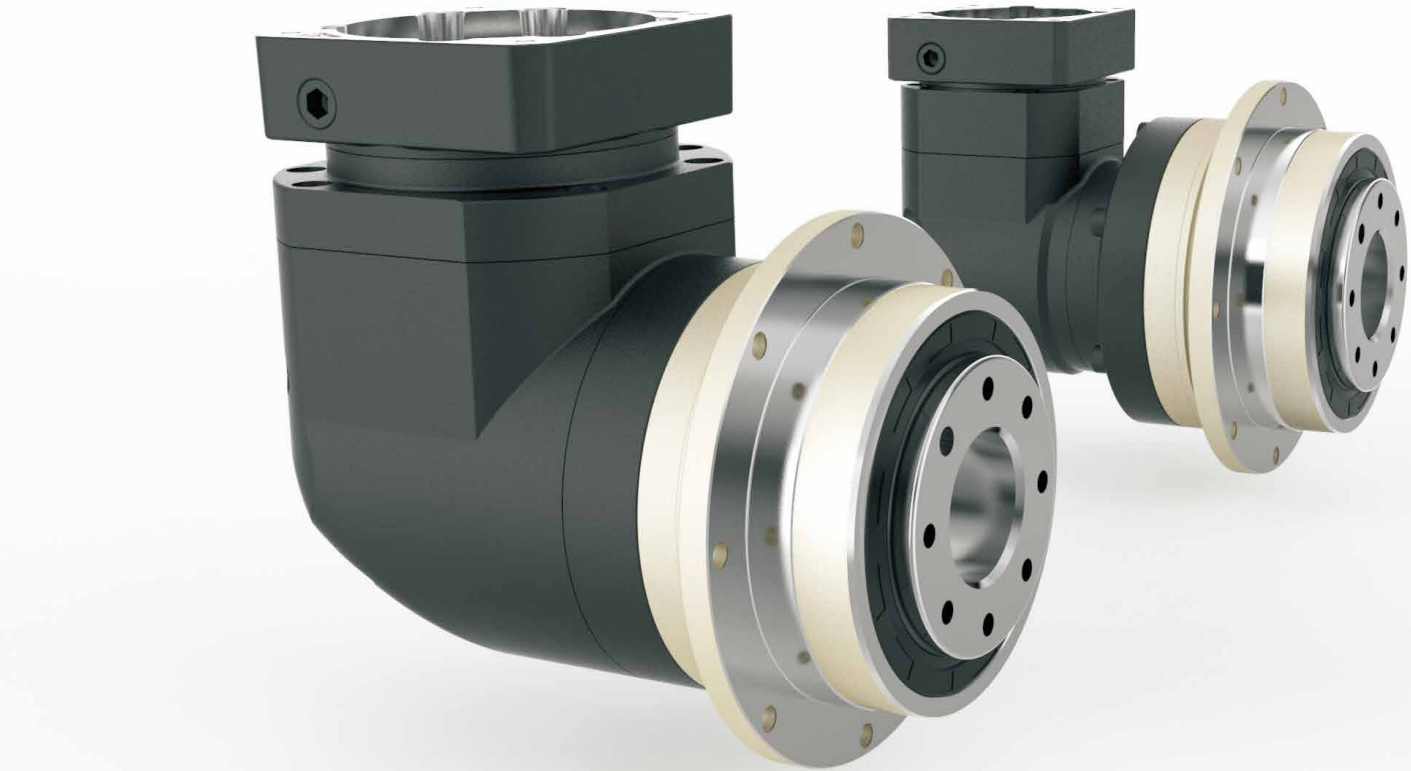
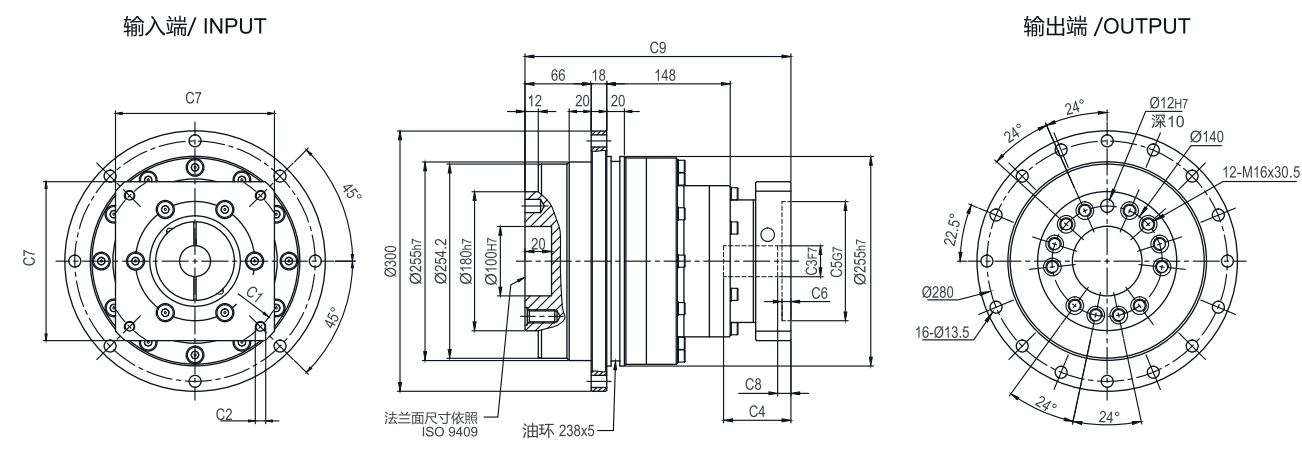
外形尺寸图表 / OUTLINE DIMENSION SHEET

FADR
SERIES

FAD-255-L1



FAD-255-L2



尺寸	C1	C2	C3	C4	C5	C6	C7	C8	C9
FAD-255-L1	Ø235	4-M12x28	Ø38,Ø42	116	Ø200	6	220	10	256.5
FAD-255-L2	Ø200	4-M12x28	Ø35	85	Ø114.3	6	180	10	311.5
	Ø215	4-M12x28	Ø38	85	Ø180	6	190	19	311.5

* C1~C7是公制标准马达连接板之尺寸,可根据客户要求单独定做。

* C1~C7are motor(metric standard) specific dimensions, which could be customised.