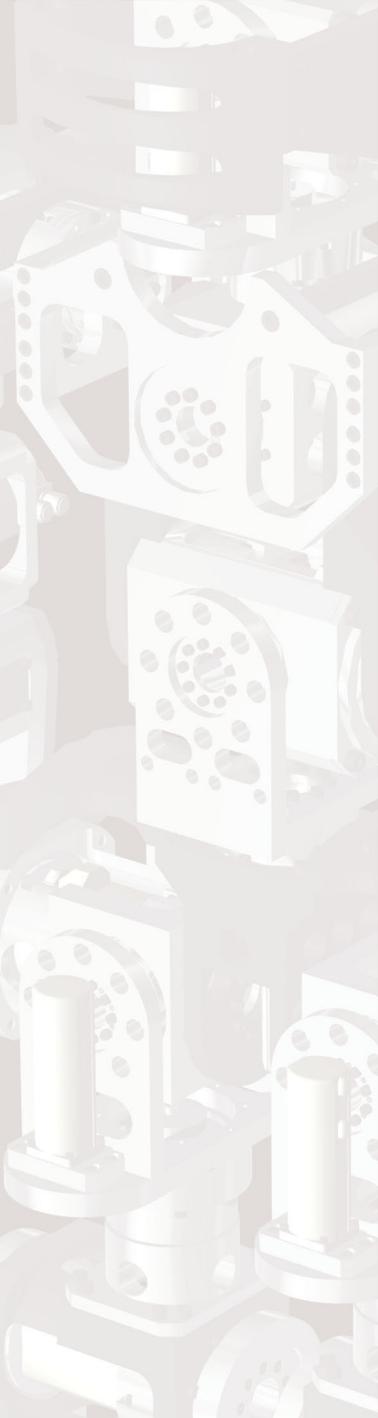




许多人孜孜以求，但迄今无人能及...  
Everybody strives for, nobody has achieved yet.



# AH series

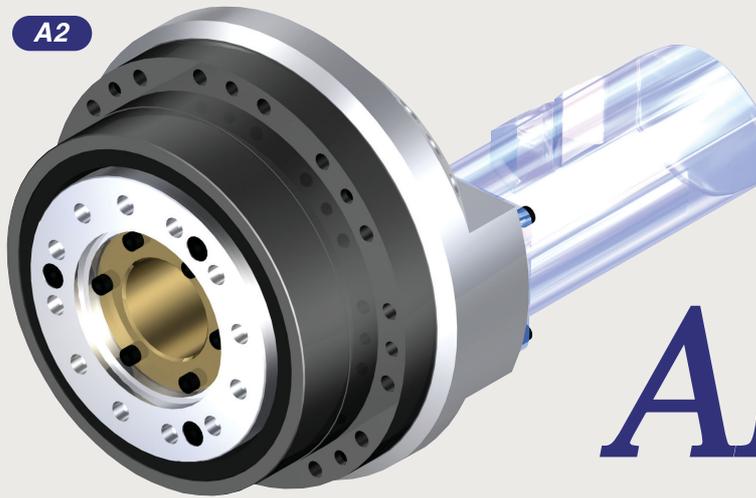
Advanced  
Hollow



**SEJINiGB**  
www.gear-box.com

# SEJINiGB 超精密减速箱

SEJINiGB has progressed and expanded its business to keep pace with engineering innovations in advanced transmission technology.



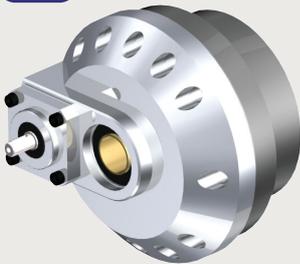
## AHseries

B



自由设计输入端结构  
[Free to design input structure]

S2

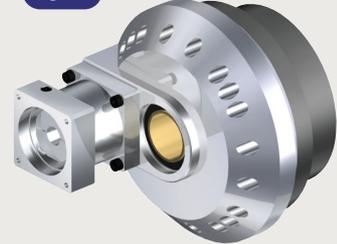


带输入轴型(IP65)  
[IP65 with input shaft]

- 空心轴
- 高刚性
- 采用全新的TTS齿形/提高了齿面接触率
- 速比范围宽/速比30~300
- 抗冲击能力强/额定输出扭矩的500%
- 精度高/传动回差小于1分
- 多种输入方式可供选择/  
有带输入轴及直角输入等形式
- 箱体防护等级高/IP65
- 改进了空心轴套的密封
- 适配所有通用伺服电机法兰
- 输入功率/0.1~12kW
- 额定输出扭矩/90~3300Nm
- 间歇周期工作制

- Hollow hole
- High rigidity
- New-TTS tooth shape applied / Improved tooth contact ratio
- Wide reduction range / Ratio 30~300
- Shock resistance / 500%
- High precision / Lost motion less than 1 arc min.
- Various design or choice of input structure / input shaft, Elbow Pancakē™, etc.
- High safety levels due to closed housing / IP65 available product
- Improved hollow protection tube sealing
- All common servo motor flanges are available
- Input capacity / 0.1~12kW
- Rated output torque / 90~3300Nm
- Intermittent periodic duty

C2



易用型(IP65)  
[Easy to use (IP65)]

EP



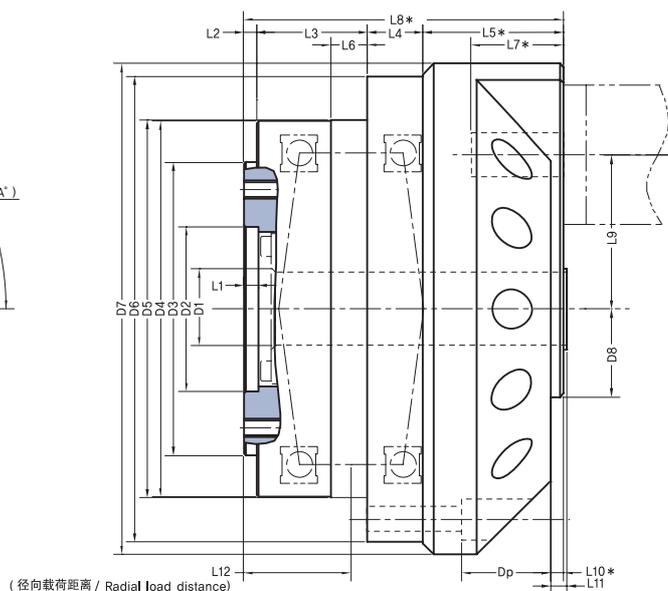
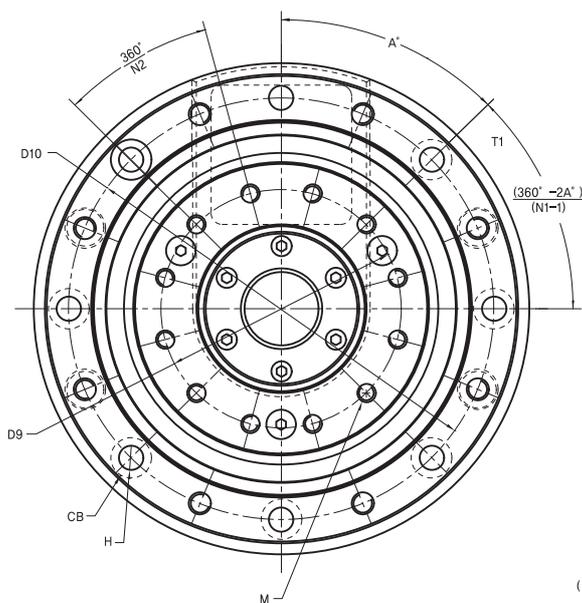
紧凑带直角输入型  
[Compact right angle]  
(Elbow Pancakē™)

# AH-A2 type

■AH-A2 型 外形尺寸表 [AH-A2 type External dimension table]

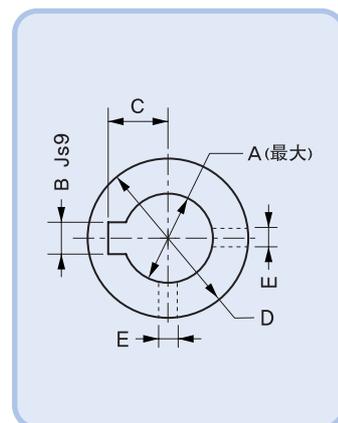
	D1 ( $\phi$ )	D2 ( $\phi$ ) (H7)	D3 ( $\phi$ ) (h7)	D4 ( $\phi$ )	D5 ( $\phi$ ) (h7)	D6 ( $\phi$ )	D7 ( $\phi$ )	D8 (R)	D9 (PCD)	D10 (PCD)	L1	L2	L3	L4	L5*	L6	L7*	L8*	L9	L10*	L11	L12	A°	N1	N2	M	$\phi$ H $\phi$ CB $\times$ DP
010	20	45	80	102.5	103	127	134	24	65	115	4	3.5	30	15	38	10	25~20	86.5	42	3.5	4.5	29	45°	7	12	M5x10	6.6x11x24
015	34	60	100	129.5	130	156	173	32	83	143	6	4	34	15	51	12	29~23	104	51	3	2.5	36.5	33.75°	14	12	M6x12	6.6x11x37
020	39	70	112	142	143	169	180	35	90	156	5	4	40	17	45.5	15	32~25	106.5	54	1.5	1	35.5	33.75°	14	12	M8x12	6.6x11x33
030	44	80	125	164	165	195	200	42	100	180	11	4	50	23	51.5	20	35~25	128.5	63	3	3	47.5	33.75°	14	12	M8x16	9x14x35.5
050	46	80	140	179	180	211	236	46	110	196	10	4	55	23	58	20	41~32	140	70	3	1.5	49.5	33.75°	14	12	M10x15	9x14x37
090	60	95	170	219	220	256	298	52.5	130	238	15	5	59	25	84	20	53~48	173	90	17	3	59	33.75°	14	12	M12x15	11x17.5x46
170	86	125	240	283	284	325	370	70	190	304	12.5	6	70	27	91.5	20	63~50	194.5	112	12	3	64	33.75°	14	12	M16x25	13x20x49.5
330	115	160	280	335	336	384	450	85	230	360	20.5	7	84	35	101.5	35	68~52	227.5	140	6	1	79	33.75°	14	12	M20x25	16x23x64.5

- ▶ \* 取决于所用电机 / \* depend on applied motor.
- ▶ 连接尺寸适配所有通用伺服电机 / Motor connection dimension for all common servomotors are available.
- ▶ N1: 安装通孔的数量 / N1: Number of installation through hole
- ▶ N2: 输出法兰上螺纹孔的数量 / N2: Number of output flange tap



■AH-A2 型 输入端详细资料 [AH-A2 type detail of input side]

	速比 [Ratio]	$\phi$ A	B	C	D	E
010	(31)/40	14	5	9.1	24	M4
	50/78/97.5	11	4	7.3	20	M4
	64/124.8/(164.8)	8	3	5.3	18	M4
015	(30.5)/40/59/116	19	6	12.3	30	M5
	48/70.8/139.2/(170.4)	14	5	9.3	25	M5
	(230.75)	11	4	7.3	20	M5
020	(291.1)	8	3	5.3	18	M5
	(31.5)/40/58	19	6	12.3	32	M5
	52/76.7/150.8	14	5	9.3	25	M5
030	60/88.5/174/(199.5)	14	5	9.3	24	M5
	(32.7875)/43/124.7	22	6	13.8	35	M6
	50/73.75/145	19	6	12.3	32	M6
050	64/94.4/185.6	14	5	9.3	25	M6
	85/246.5/(293.25)	11	4	7.3	20	M6
	(38.125)/50/73.75	22	6	13.8	35	M6
090	60/88.5/145/174	19	6	12.3	32	M6
	80/118/232/(272)	14	5	4.3	25	M6
	(21.5)/40/154	35	10	20.8	55	M6
170	(27.95)/52/78/101.4/200.2	28	8	17.3	45	M6
	(32.25)/60/117/231	24	8	15.3	40	M6
	70/(269.5)	22	6	13.8	35	M6
330	(30.25)/(35.64)/44/85.8/169.4	35	10	20.8	60	M8
	50/97.5/192.5	35	10	20.8	55	M8
	60/117/231	28	8	17.3	45	M8
330	(30)/(37.5)/50/97.5/192.5	42	12	24.3	70	M10
	(45)/60/117/231	35	10	20.8	60	M10



▶ ( ) 可选速比, / ( ) 是 optional ratio.

# AH-C2 type

■AH-C2 型 外形尺寸表 [AH-C2 type External dimension table]

	D1 ( $\phi$ )	D2 ( $\phi$ ) (H7)	D3 ( $\phi$ ) (h7)	D4 ( $\phi$ )	D5 ( $\phi$ ) (h7)	D6 ( $\phi$ )	D7 ( $\phi$ )	D8* ( $\phi$ ) (H7)	D9* ( $\phi$ ) (H7)	D10* ( $\phi$ )	D11* ( $\square$ )	D12* ( $\square$ )	D13 (R)	D14 (PCD)	D15 (PCD)	L1	L2	L3	L4	L5	L6* ( $\phi$ )	L7	L8* ( $\phi$ )	L9* ( $\phi$ )	L10* ( $\phi$ )	L11	L12	L13	A°	N1	N2	M	$\phi$ Hx $\phi$ CBxDP
010	20	45	80	102.5	103	127	134	8	30	39	40	44	24	65	115	4	3.5	30	15	43.5	50	10	23.5	5.5	142	42	9	29	45°	7	12	M5x10	6.6x11x24
015	34	60	100	129.5	130	156	173	14	50	58	60	60	32	83	143	6	4	34	15	56	62.5	12	30	9.5	171.5	51	8	36.5	33.75°	14	12	M6x12	6.6x11x37
020	39	70	112	142	143	169	180	14	50	58	60	60	35	90	156	5	4	40	17	52	62.5	15	30	9.5	175.5	54	8	35.5	33.75°	14	12	M8x12	6.6x11x33
030	44	80	125	164	165	195	215	19	70	74	80	75	42	100	180	11	4	50	23	58.5	67	20	31	6.5	202.5	63	10	47.5	33.75°	14	12	M8x16	9x14x35.5
050	46	80	140	179	180	211	244	22	95	86	100	88	46	110	196	10	4	55	23	65	97	20	45	12	244	70	10	49.5	33.75°	14	12	M10x15	9x14x37
090	60	95	170	219	220	256	288	22	95	86	100	94	52.5	130	238	15	5	59	25	92	104	20	48	15	285	90	25	59	33.75°	14	12	M12x15	11x17.5x46
170	86	125	240	283	284	325	370	35	130	124	150	125	70	190	304	12.5	6	70	27	98.5	127	20	59	11	328.5	112	19	64	33.75°	14	12	M16x25	13x20x49.5
330	115	160	280	335	336	384	450	35	114.3	144	180	150	85	230	360	20.5	7	84	35	116.5	136	35	62	14	378.5	140	21	79	33.75°	14	12	M20x25	16x23x64.5

- ▶ \* 取决于所用电机 / \* depend on applied motor.
- ▶ N1: 安装通孔的数量 /N1: Number of installation through hole
- ▶ N2: 输出法兰上螺纹孔的数量 /N2: Number of output flange tap

# AH-S2 type

■AH-S2 型 外形尺寸表 [AH-S2 type External dimension table]

	D1 ( $\phi$ )	D2 ( $\phi$ ) (H7)	D3 ( $\phi$ ) (h7)	D4 ( $\phi$ )	D5 ( $\phi$ ) (h7)	D6 ( $\phi$ )	D7 ( $\phi$ )	D8 ( $\phi$ ) (h7)	D9 ( $\phi$ )	D10 ( $\square$ )	D11 (R)	D12 (PCD)	D13 (PCD)	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	A°	N1	N2	M1	M2	$\phi$ Hx $\phi$ CBxDP	KH
010	20	45	80	102.5	103	127	134	8	10	44	24	65	115	4	3.5	30	15	43.5	29	10	20	15	3	12	121	42	9	29	2.8	45°	7	12	M5x10	M3x0.5x6	6.6x11x24	2
015	34	60	100	129.5	130	156	173	14	16	60	32	83	143	6	4	34	15	56	39.5	12	30.5	23	4.5	18.5	148.5	51	8	36.5	4	33.75°	14	12	M6x12	M5x0.8x10	6.6x11x37	5
020	39	70	112	142	143	169	180	14	16	60	35	90	156	5	4	40	17	52	39.5	15	30.5	23	4.5	18.5	152.5	54	8	35.5	4	33.75°	14	12	M8x12	M5x0.8x10	6.6x11x33	5
030	44	80	125	164	165	195	215	17	20	75	42	100	180	11	4	50	23	58.5	43	20	33	27	5	22	178.5	63	10	47.5	5	33.75°	14	12	M8x16	M6x1x12	9x14x35.5	6
050	46	80	140	179	180	211	244	20	25	88	46	110	196	10	4	55	23	65	54	20	40	30	5	25	201	70	10	49.5	6.5	33.75°	14	12	M10x15	M8x1.25x16	9x14x37	6
090	60	95	170	219	220	256	288	24	30	94	52.5	130	238	15	5	59	25	92	66	20	48	38	7	31	247	90	25	59	8	33.75°	14	12	M12x15	M8x1.25x18	11x17.5x46	8
170	86	125	240	283	284	325	370	28	32	125	70	190	304	12.5	6	70	27	98.5	77	20	57	45	7.5	37.5	278.5	112	19	64	10	33.75°	14	12	M16x25	M10x1.5x20	13x20x49.5	8
330	115	160	280	335	336	384	450	35	47	150	85	230	360	20.5	7	84	35	116.5	91	35	67	53	9	44	333.5	140	21	79	12.5	33.75°	14	12	M20x25	M12x1.75x23	16x23x64.5	10

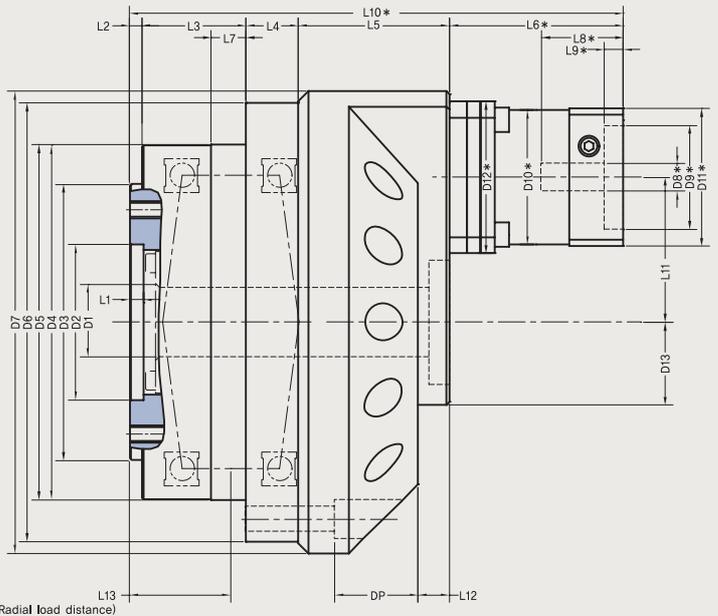
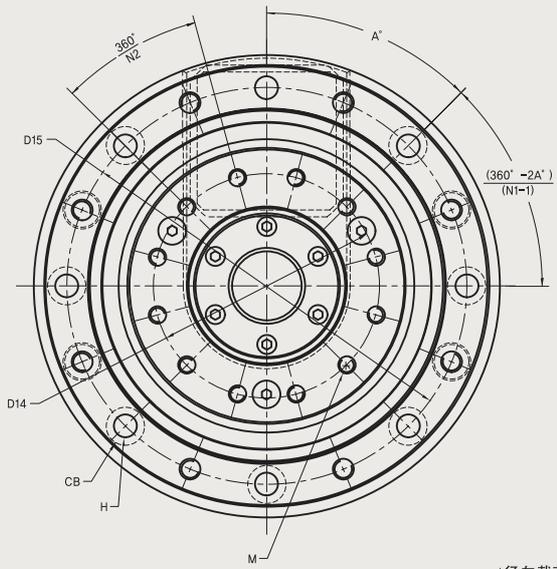
- ▶ N1: 安装通孔的数量 /N1: Number of installation through hole
- ▶ N2: 输出法兰上螺纹孔的数量 /N2: Number of output flange tap

# AH-EP type

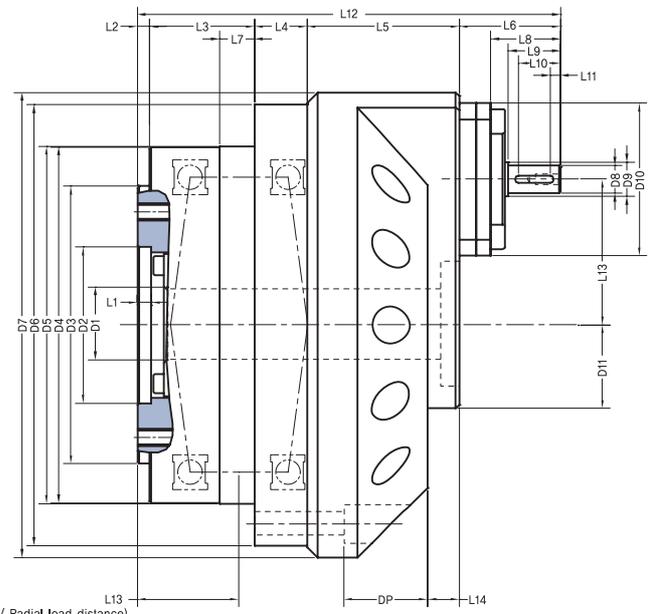
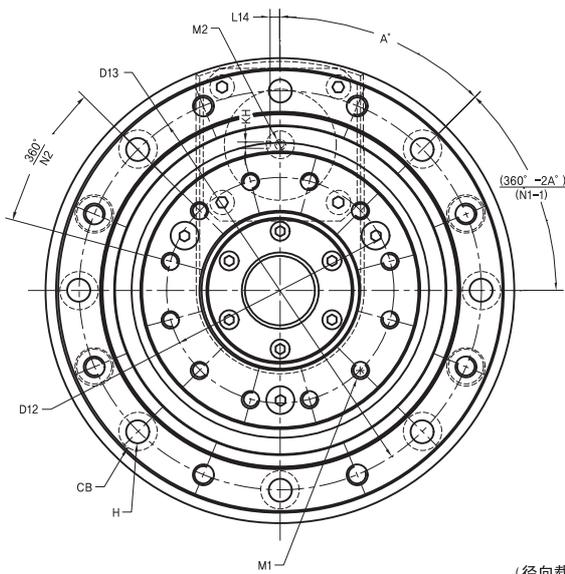
■AH-EP 型 外形尺寸表 [AH-EP type External dimension table]

	D1 ( $\phi$ )	D2 ( $\phi$ ) (H7)	D3 ( $\phi$ ) (h7)	D4 ( $\phi$ )	D5 ( $\phi$ ) (h7)	D6 ( $\phi$ )	D7 (R)	D8* ( $\phi$ ) (H7)	D9* ( $\phi$ ) (H7)	D10* ( $\phi$ )	D11* ( $\square$ )	D12* ( $\square$ )	D13 (PCD)	D14 (PCD)	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10*	L11*	L12*	L13	L14	A°	N1	N2	M	$\phi$ Hx $\phi$ CBxDP
010	20	45	80	102.5	103	127	51.5	14	50	55	56	60	65	115	4	3.5	30	15	24.5	33	10	106	64	56.5	27	7	76.5	29	45°	7	12	M5x10	6.6x11x8.5
015	34	60	100	129.5	130	156	65	19	70	78	80	80	83	143	6	4	34	15	30	50	12	133	80	71	32	7	93	36.5	33.75°	14	12	M6x12	6.6x11x19
020	39	70	112	142	143	169	70	19	70	78	80	80	90	156	5	4	40	17	25	55	15	141	85.5	67	31	6.5	101	35.5	33.75°	14	12	M8x12	6.6x11x15
030	44	80	125	164	165	195	70	22	95	86	88	100	100	180	11	4	50	23	30	58	20	165	98.5	92	45	12	121	47.5	33.75°	14	12	M8x16	9x14x20
050	46	80	140	179	180	211	82	22	95	86	88	100	110	196	10	4	55	23	30	58	20	170	106.5	92	45	12	126	49.5	33.75°	14	12	M10x15	9x14x15
090	60	95	170	219	220	256	104	28	110	118	125	130	130	238	15	5	59	25	46	79	20	214	130	114	59	20	151.5	59	33.75°	14	12	M12x15	11x17.5x34
170	86	125	240	283	284	325	125	35	130	140	145	150	190	304	12.5	6	70	27	50	94	20	247	164	121	59	11	175.5	64	33.75°	14	12	M16x25	13x20x15

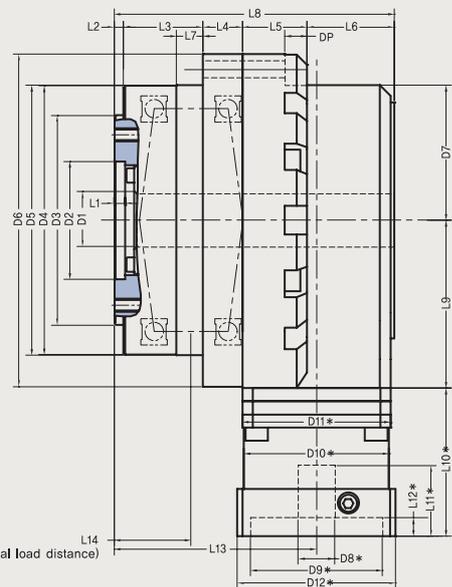
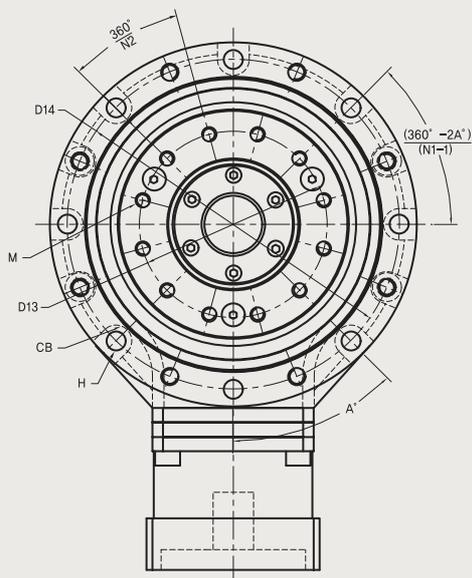
- ▶ \* 取决于所用电机 / \* depend on applied motor.
- ▶ N1: 安装通孔的数量 /N1: Number of installation through hole
- ▶ N2: 输出法兰上螺纹孔的数量 /N2: Number of output flange tap



(径向载荷距离 / Radial load distance)



(径向载荷距离 / Radial load distance)



(径向载荷距离 / Radial load distance)

## ■AH 系列 标准速比 [AH series standard ratio]

	AH-B	AH-A2/C2/S2
010	(15.5) / 20 / 39 / (51.5)	(31) / 40 / 50 / 64 / 78 / 97.5 / 124.8 / (164.8)
015	(15.25) / 20 / 29.5 / 58 / (71)	(30.5) / 40 / 48 / 59 / 70.8 / 116 / 139.2 / (170.4) / (230.75) / (291.1)
020	(15.75) / 20 / 29.5 / 58 / (66.5)	(31.5) / 40 / 52 / 60 / 76.7 / 88.5 / 116 / 150.8 / 174 / (199.5)
030	(15.25) / 20 / 29.5 / 58 / (69)	(32.7875) / 43 / 50 / 64 / 73.75 / 85 / 94.4 / 124.7 / 145 / 185.6 / 246.5 / (293.25)
050	(15.25) / 20 / 29.5 / 58 / (68)	(38.125) / 50 / 60 / 73.75 / 80 / 88.5 / 118 / 145 / 174 / 232 / (272)
090	(10.75) / 20 / 39 / 77	(21.5) / (27.95) / (32.25) / 40 / 52 / 60 / 70 / 78 / 101.4 / 117 / 154 / 200.2 / 231 / (269.5)
170	(13.75) / (16.2) / 20 / 39 / 77	(30.25) / (35.64) / 44 / 50 / 60 / 85.8 / 97.5 / 117 / 169.4 / 192.5 / 231
330	(12) / (15) / 20 / 39 / 77	(30) / (37.5) / (45) / 50 / 60 / 97.5 / 117 / 192.5 / 231

▶ ( ) 可选速比, / ( ) is optional ratio.

	AH-EP
010	(93) / 120 / 150 / 192 / 234 / 292.5 / 374.4 / (494.4)
015	(91.5) / 120 / 144 / 177 / 212.4 / 348 / 417.6 / (511.2) / (692.25) / (873.3)
020	(78.75) / 100 / 130 / 150 / 191.75 / 221.25 / 290 / 377 / 435 / (498.75)
030	(81.96875) / 107.5 / 125 / 160 / 184.375 / 212.5 / 236 / 311.75 / 362.5 / 464 / 616.25 / (733.125)
050	(114.375) / 150 / 180 / 221.25 / 240 / 265.5 / 354 / 435 / 522 / 696 / (816)
090	(53.75) / (69.875) / (80.625) / 100 / 130 / 150 / 175 / 195 / 253.5 / 292.5 / 305 / 500.5 / 577.5 / (673.75)
170	(90.75) / (106.92) / 132 / 150 / 180 / 257.4 / 292.5 / 351 / 508.2 / 577.5 / 693

▶ ( ) 可选速比, / ( ) is optional ratio.

## ■AH 系列 额定值一览表 [AH series Rating at a glance]

型号 [Model]		额定输出 扭矩	额定输出 转速	扭转刚性	允许的加/ 减速扭矩	瞬间最大 允许扭矩	最大传动 回差	最大(平均)输入转速		
		[Rated output torque]	[Rated output speed]	[Torsional stiffness]	[Allowable acc. /dec. torque]	[Momentary allowable max. torque]	[Lost Motion max.]	[Max. (average) input speed (rpm)]		
		(Nm)	(rpm)	(Nm/arc min.)	(Nm)	(Nm)	(arc min.)	B	A2/C2/S2/EP	
EP	B	010	90	20	26	200	450	1	2000 (1600)	4000 (3200)
	A2	015	150	20	45	330	750	1	2000 (1600)	4000 (3200)
	C2	020	210	15	60	525	1050	1	2000 (1600)	4000 (3200)
	S2	030	310	15	120	775	1550	1	2000 (1600)	4000 (3200)
		050	500	15	190	1250	2500	1	1500 (1200)	3000 (2400)
		090	900	15	350	2250	4500	1	1500 (1200)	3000 (2400)
		170	1700	15	1000	4250	8500	1	1500 (1200)	3000 (2400)
		330	3300	15	1300	8250	16500	1	1200 (1000)	2400 (2000)

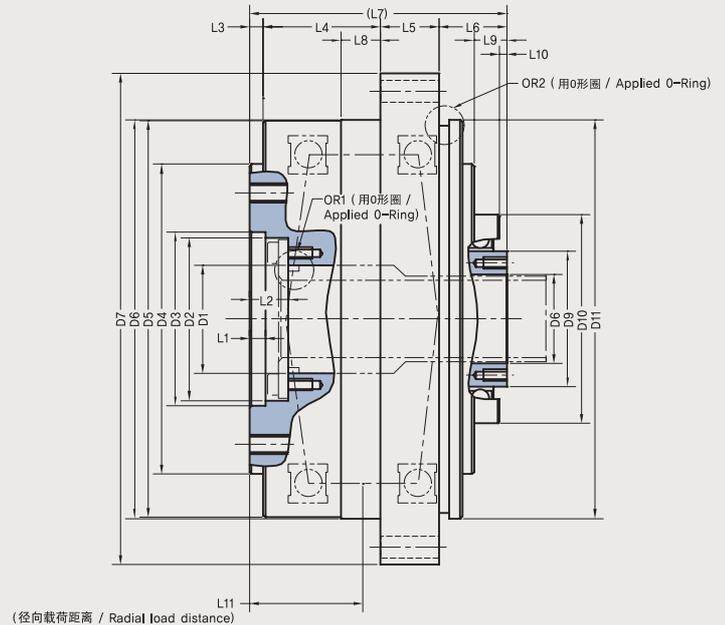
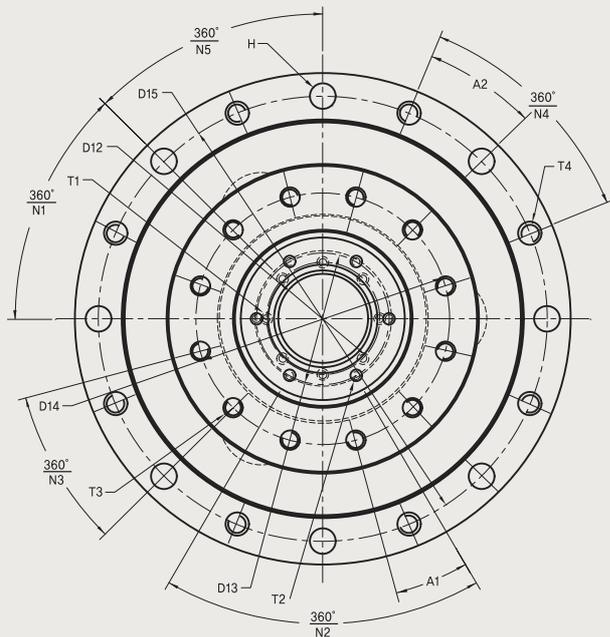
型号 [Model]		主轴承承载力 [Main bearing load]			重量 [Weight] (kg)										
		径向承载 [Radial load]	轴向承载 [Thrust load]	抗弯扭矩 [Moment load]	AH-B		AH-A2		AH-C2		AH-S2		AH-EP		
		(N)	(N)	(Nm)	A2024	S45C	A2024	S45C	A2024	S45C	A2024	S45C	A2024	S45C	
EP	B	010	6200	1800	180	2.1	3.3	3.3	4.2	3.5	4.5	3.4	4.4	4.2	5.1
	A2	015	9580	2800	350	3.7	5.8	6.1	7.7	6.8	8.3	6.5	8.1	7.9	9.4
	C2	020	14000	4200	500	4.6	7.4	7.2	9.3	8	10	7.7	9.7	9.5	11.5
	S2	030	18000	5600	900	7.6	12	11.6	15	13.2	16.6	12.7	16	14.4	17.7
		050	26200	7800	1300	11	16	16.2	20.1	18.6	22.6	17.6	21.6	18.2	22.3
		090	36000	10000	2100	18	29	27.5	34.7	32.8	40	29.6	36.8	33.3	40.6
		170	60000	18000	3900	38	60	55	65.5	61.8	72.2	58.7	69.1	63.6	74.1
		330	68000	20000	5400	61	95	91.5	109.3	103.3	121.2	98.5	116.4	-	-

# AH-B type

■AH-B 型 外形尺寸表 [AH-B type External dimension table]

	D1 (ø) (H7)	D2 (ø) (H7)	D3 (ø) (h7)	D4 (ø) (h7)	D5 (ø) (h7)	D6 (ø) (h7)	D7 (ø) (h7)	D8 (ø) (h7) (+0.1 +0.5)	D9 (ø) (h7)	D10 (ø)	D11 (ø)	D12 (PCD)	D13 (PCD)	D14 (PCD)	D15 (PCD)	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	A1	A2	N1	N2	N3	N4	N5	T1	T2	T3	T4	H	OR1	OR2
010	28	42	45	80	102.5	103	127	23	35	54	103	29	34	65	115	4	10	3.5	30	15	17.5	66	10	8.5	2	29	15	22.5	8	6	12	8	8	M3x6	M3x6	M5x10	M6	6.6	S25	S100
015	42	56	60	100	129.5	130	156	38	50	72	128	44	48	83	143	6	13	4	34	15	27	80	12	9	2	36.5	15	11.25	12	6	12	8	16	M3x6	M3x6	M6x12	M6	6.6	S39	S125
020	48	65	70	112	142	143	169	43	55	79	143	49	56	90	156	5	12.5	4	40	17	21.5	82.5	15	11	2.5	35.5	15	11.25	12	6	12	8	16	M3x6	M4x8	M8x12	M6	6.6	S45	S140
030	56	73	80	125	164	165	195	48	60	86	162	54	64	100	180	11	18.5	4	50	23	26	103	20	12.5	2.5	47.5	15	11.25	16	6	12	8	16	M3x8	M4x8	M8x16	M8	9	S53	ISO C C1550
050	56	75	80	140	179	180	211	50	65	95	181	57.5	66	110	196	10	20	4	55	23	26	108	20	12	3	49.5	15	11.25	12	6	12	8	16	M4x8	M5x10	M10x15	M8	9	S53	ISO C C1750G
090	70	90	95	170	219	220	256	64	80	109	216	72	80	130	238	15	25	5	59	25	37	126	20	11	3	59	15	11.25	12	6	12	8	16	M4x8	M5x10	M12x15	M10	11	S67	ISO D D2060G
170	98	122	125	240	283	284	325	90	110	160	283	100	109	190	304	12.5	24.5	6	70	27	42.5	145.5	20	19	4	64	15	11.25	12	6	12	8	16	M5x10	M6x12	M16x25	M12	13	S95	ISO D D2720
330	128	150	160	280	335	336	384	120	140	196	336	130	139	230	360	20.5	32.5	7	84	35	50.5	176.5	35	23	5	79	-	11.25	12	6	12	8	16	M5x12	M6x12	M20x25	M14	16	S125	ISO D D3250G

- ▶ 空心轴保护管不包含在内 / Hollow protection tube is not included.
- ▶ N1: 安装螺纹孔的数量 (T1从前端看) / N1: Number of installation tap (T1 from fore side)
- ▶ N2: 安装螺纹孔的数量 (T2) 安装空心保护管用 / N2: Number of installation tap (T2) for hollow protection tube
- ▶ N3: 输出法兰上螺纹孔的数量 (T3) / N3: Number of output flange tap (T3)
- ▶ N4: 安装螺纹通孔的数量 (T4) / N4: Number of installation through tap (T4)
- ▶ N5: 安装通孔的数量 (H) / N5: Number of installation through hole (H)
- ▶ A1: T2 和 T3 间夹角 / A1: Angle between T2 and T3
- ▶ A2: T4 和 H 间夹角 / A2: Angle between T4 and H



## ●AH 系列 订货信息 [Ordering Information]

**AH**    -  - **S/A** - **B/A2/C2/S2/EP** -

系列名 [Model name] 规格 [Frame No.]      速比 [Speed ratio]      材料 [Material]      输入形式 [Input style]      所配电机或空白 [Applied motor or blank]

详细外形尺寸请从网站 [www.gear-box.com](http://www.gear-box.com) 下载 / Visit [www.gear-box.com](http://www.gear-box.com) to download detail external dimension.



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技术参数如有更改,恕不另行通知!资料准确性截止到封面所示日期.要了解确切的安装尺寸,请另索安装图

Subject to technical change without notice. For installation investigation purposes, please request installation drawings: only the date contained therein is binding