

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



Rigid Drive  
**RD**  
*series*





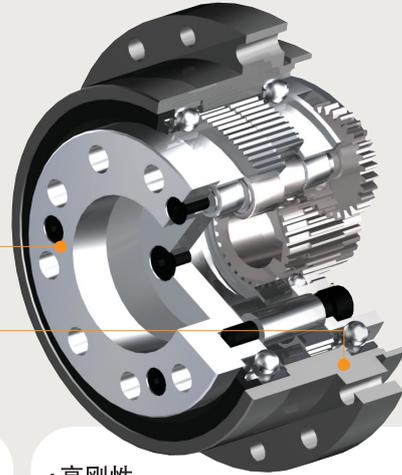
# SEJINiGB 超精密减速箱

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

## RD-series

输出端封闭 (不需O形圈)  
[Enclosed output shaft (No O-ring required)]

TTS专利齿形和iGB专利结构  
[Patented TTS & iGB structure]



Rigid Drive

B



基本型 [Basic]

A2



紧凑短小型 [Compact & Short length]

C2



易用型 (IP65) [Easy to use (IP65)]

S



紧凑带输入轴型  
[Compact with input shaft]

S2



带输入轴型(IP65)  
[IP65 with input shaft]

EP



直角输入型 [Compact right angle]  
(Elbow Pancake™)

- 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
- 减小了高速运转时的振动
- 改进了输出端的密封
- 多种输入方式可供选择
- 输入齿轮三点对称接触, 使得装配简便
- 采用对称的多支撑结构
- 输入转动惯量小
- 输入功率/0.1~25kW
- 额定输出扭矩/20~6000Nm
- 间歇周期工作制

- High rigidity
- New-TTS tooth shape applied / Improved tooth contact ratio
- Wide reduction range / Ratio30~300
- Shock resistance / 500%
- High precision / Lost motion less than 1 arc min.
- Reducing the vibration in high speed operation
- Improved output side sealing
- Various design or choice of input structure
- Easier assembly due to isometric 3 points contact
- Isometric multi supporting structure
- Lower input inertia
- Input capacity / 0.1~25kW
- Rated output torque / 20Nm~6000Nm
- Intermittent periodic duty

### ●RD 系列 订货信息 [Ordering Information]

RD □□□ - □□□ - S/A - B/A2/C2/S/S2/EP - □□□

系列名 [Model name]    规格 [Frame No.]    速比 [Speed ratio]    材料 [Material]    输入形式 [Input style]    所配电机或输入轴径 [Applied motor or Input shaft Dia]

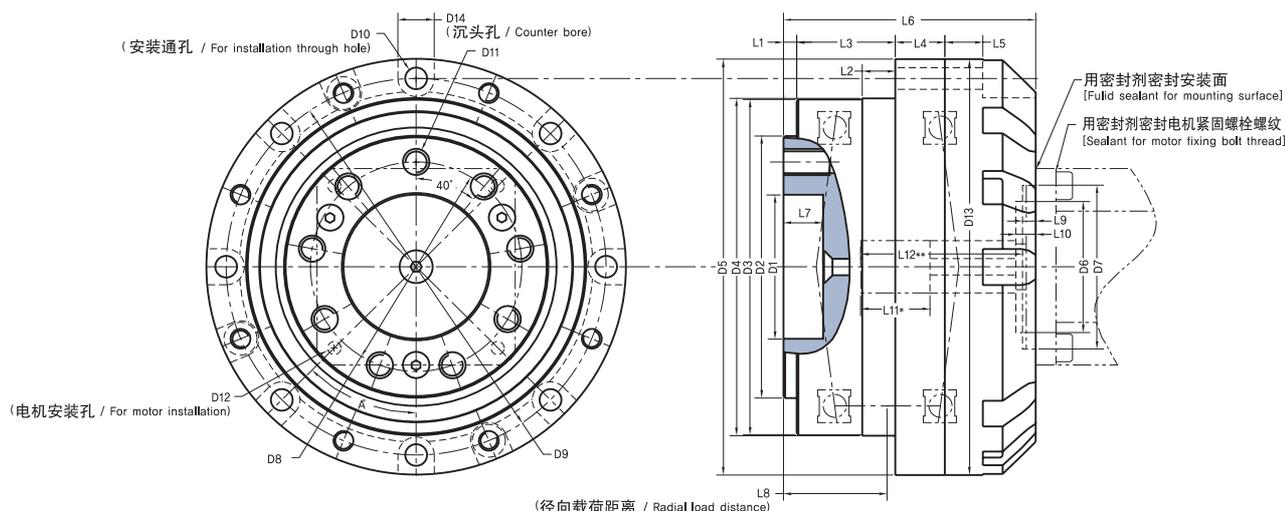
详细外形尺寸请从网站www.gear-box.com下载 / Visit www.gear-box.com to download detail external dimension.

# RD-A2 type

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

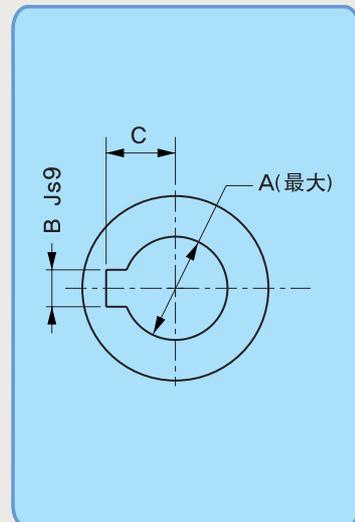
	D1 (H7)	D2 (h7)	D3	D4 (h7)	D5	D6	D7	D8 (PCD)	D9 (PCD)	D10	D11	D12	D13	D14	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11*	L12**	A°
004	27	55	74.5	75	93	24	50	43	85	8- $\phi$ 4.5	9-M5X8	4-M4X10(PCD70)	93	8-8	4	10	23	10	6	63.5	11	27.5	4	5.5	20	40	22.5°
006	33	63	87.5	88	107	28	50	50	98	8- $\phi$ 5.5	9-M5X8	4-M4X10(PCD70)	107	8-9.5	3.5	10	29.5	12	13.5	71	8.5	30	4	6	18	44	45°
010	38	70	94.5	95	119	34	50	55	107	8- $\phi$ 5.5	9-M6X12	4-M4X10(PCD70)	119	8-9.5	3.5	10	29	15	10	75.5	12	32	4	5.5	22	49	45°
015	44	80	102.5	103	127	40	50	64	115	8- $\phi$ 6.6	9-M8X13	4-M4X10(PCD70)	127	8-11	4	10	30	15	11.5	76.5	12	31.5	4	6	21	49	45°
030	53	100	129.5	130	156	43	95	80	143	16- $\phi$ 6.6	9-M10X13	4-M8X12(PCD115)	156	16-11	6	12	34	15	11	91.5	12	40.5	4.5	6.5	26.5	56	33.75°
050	63	125	164	165	195	55	110	100	180	16- $\phi$ 9	9-M12X17	4-M8X12(PCD145)	195	16-14	7	15	45	23	10	115	22.5	50.5	5	7.5	25.5	69	45°
100	81	150	189	190	222	72	114.3	115	206	16- $\phi$ 9	9-M14X24	4-M12X20(PCD200)	233	16-14	10	20	48	25	12	140	23	60	5	8	34.5	89	33.75°
150	91	170	219	220	256	74	114.3	136	238	16- $\phi$ 11	9-M16X24	4-M12X20(PCD200)	256	16-17.5	9	20	59	25	12	146	24.5	63	5	8	37	93	33.75°
200	96	190	239	240	280	82	114.3	150	260	16- $\phi$ 13	9-M16X25	4-M12X20(PCD200)	280	16-20	8.5	20	70	25	36	170	25	68.5	5	8.5	44.5	112	45°
400	116	240	283	284	325	92	114.3	-	304	16- $\phi$ 13	9-M16X25(PCD149) 9-M16X25(PCD195)	16-M12X20(PCD200)	325	16-20	8	30	80	30	51	198	24.5	80	10	14	60.5	133	45°
600 ***	RD600-A2 按要求提供 / RD600-A2 is available on request.																										

- ▶ \* 输入轴伸长范围 / \* is input shaft relief depth
- ▶ \*\* 输入轴可插入的深度 / \*\* is input shaft insertable depth
- ▶ \*\*\* 有双PCD的输出法兰。 / \*\*\* have dual PCD for output flange.
- ▶ D7, D12, D13, L6, L9, L10, A° 取决于所用电机。 / D7, D12, D13, L6, L9, L10, A° depend on applied motor.
- ▶ A° 电机法兰安装螺孔与齿轮箱安装通孔间的特征夹角。 / A° represents phase angle between motor installation tap and gearbox installation through hole.
- ▶ 连接尺寸适配所有通用伺服电机。 / Motor connection dimensions for all common servomotors are available.



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

速比 [Ratio]	速比 [Ratio]			速比 [Ratio]	速比 [Ratio]				
	$\phi$ A	B	C		$\phi$ A	B	C		
004	31/61/76	11	4	7.1	100	29/39/(57B)/65/(115)/(129B)	35	10	20.8
	36/49/71/88.5/97/121	8	3	5.3		36/48.5/71/81/143.5/161	28	8	17.3
006	29/33/39/73/85	11	4	7.2	150	40.2/54.2/79.4/90.6/180.2	28	8	17.3
	43/58/77/109/127/145/169	8	3	5.3		45/(89)	24	8	15.3
010	34/39.5/71/85	14	5	9.3	200	57/77/113/129/229/257	19	6	12.3
	56/79.75/95.5/101/107.4/121	11	4	7.3		31.8/42.8/47/77/139/126.4	35	10	20.8
015	61.5/155	8	3	5.4	400	51.4/87/103.6/117.1/153/173	28	8	17.3
	40/55/82/109	16	5	10.3		186.25/206.2/233.2	28	8	17.3
030	67/100/133	14	5	9.3	150	57/115/130/229/259	24	8	15.3
	59.5/(82B)/122.5/163	11	4	7.3		41.5/76/82/99/151/163/197	35	10	20.8
050	29/43/85/97/109	19	6	12.3	150	59.9/118.8/131.2	28	8	17.3
	(40.2)/59.8/118.6/135.4/152.2	16	5	10.3		214.75/236.6/261.4	28	8	17.3
050	71/141/161/181	14	5	9.3	150	36.34/142.36	42	12	24.3
	(57)/(85B)/169/193/217	11	4	7.3		39/57/77/85/153/169	42	12	24.3
050	29/39/(57)/(67)/(115B)/133	28	8	17.3	150	48.5/71/96/106/191/211	35	10	20.8
	33/65	24	8	15.3		(52.3)/114.4/206.2/227.8	35	10	20.8
050	54.2/79.4/93.4/160.6/185.8	19	6	12.3					
	43/58/85/100/172/199/115/229	19	6	12.3					



▶ ( ) 可选速比。 / ( ) is optional ratio.

# RD-C2 type

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

	D1 (H7)	D2 (h7)	D3	D4 (h7)	D5 (H7)	D6** (H7)	D7 (H7)	D8	D9	D10 (PCD)	D11 (PCD)	D12	D13	A	B	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11*	L12 (□)	
002	13	40	55.8	56	70	8	30	39	54	30	63	8-φ3.5	6-M5X6	S16	8-6	5	8	22.5	8	10	92	4	26.5	31	5	25	40	
003	17	48	65.8	66	82	8	30	39	64	36	74	8-φ4.5	6-M6X9	S20	8-8	4	8	26.5	9	11.5	93.5	5	26.5	31	5	25	40	
004	20	55	74.5	75	93	14	50	58	75	43	85	8-φ4.5	9-M5X8	S22	8-8	4	10	23	10	8	102	7	27.5	39	7	30	60	
006	27	63	87.5	88	107	14	50	58	85	50	98	8-φ5.5	9-M5X8	S29	8-9.5	3.5	10	29.5	12	11	106.5	9	30	31.5	7	30	60	
010	29	70	94.5	95	119	19	70	76	96	55	107	8-φ5.5	9-M6X12	S32	8-9.5	3.5	10	29	15	6	118	8	32	44.5	6.5	35	80	
015	35	80	102.5	103	127	19	70	78	102	64	115	8-φ6.6	9-M8X13	S38	8-11	4	10	30	15	11.5	118.5	6.5	31.5	37	7	35	80	
030	48	100	129.5	130	156	24	95	98	130	80	143	16-φ6.6	9-M10X13	S53	16-11	6	12	34	15	11	156.5	8	40.5	62.5	12	55	100	
050	63	125	164	165	195	28	110	128	164	100	180	16-φ9	9-M12X17	S67	16-14	7	15	45	23	10	178	14	50.5	65	10	55	130	
100	80	150	189	190	222	35	114.3	154	190	115	206	16-φ9	9-M14X20	S85	16-14	10	20	48	25	12	218.5	14	60	85.5	12	70	180	
150	80	170	219	220	256	35	114.3	170.5	220	136	238	16-φ11	9-M16X24	S85	16-17.5	9	20	59	25	12	228.5	16	63	83.5	14	70	180	
200	96	190	239	240	280	35	114.3	176	236	150	260	16-φ13	9-M16X25	S105	16-20	8.5	20	70	25	36	244.5	14.5	68.5	65	12	70	180	
400	105	240	283	284	325	42	114.3	178	280	-	304	16-φ13	9-M12X25(PCD149) 9-M16X25(PCD195)	S115	16-20	8	30	80	30	51	328	16.5	80	91	27	115	180	
***																												

- ▶ \* 输入轴可插入的深度 / \* is input shaft insertable depth.
- ▶ \*\* 输入轴的最大直径 / \*\* is input shaft max. insertable diameter.
- ▶ \*\*\* 有双PCD的输出法兰 / \*\*\* has dual PCD for output flange.
- ▶ D6, D7, L6, L9, L10, L11, L12 取决于所用电机。 / D6, D7, L6, L9, L10, L11, L12 depend on applied motor.
- ▶ 连接尺寸适配所有通用伺服电机。 / Motor connection dimensions for all common servomotors are available.

# RD-S type

■RD-S型 外形尺寸表 [RD-S type External dimension table]

	D1 (H7)	D2 (h7)	D3	D4 (h7)	D5	D6 (h7)	D7 (h7)	D8 (h7)	D9 (h7)	D10 (PCD)	D11 (PCD)	D12 (PCD)	D13	D14	D15	A	B	K (P9)	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16		
002	13	40	55.8	-	70	6	-	43	53	56	30	63	8-φ3.5	6-M5X6	M2X4	S16	S53	2	5	8	22.5	8	7	60	4	26.5	2	6.5	11	-	7	2	5.5	1.8		
003	17	48	65.8	66	82	6	8	55	63	66	36	74	8-φ4.5	6-M5X9	M2X4	S20	S63	2	4	8	26.5	9	7	62.5	5	26.5	2	8.5	11.5	11	7	2	5.5	1.8		
004	20	55	74.5	75	93	10	12	55	71	74	43	85	8-φ4.5	9-M5X8	M3X6	S22	S71	4	4	10	23	10	7.5	70.5	7	27.5	4.8	7.5	18.5	18	11	3.5	9	2.5		
006	27	63	87.5	88	107	10	12	63	85	88	50	98	8-φ5.5	9-M5X8	M3X6	S29	S85	4	3.5	10	29.5	12	6	74.5	9	30	3.7	5	18.5	18	11	3.5	9	2.5		
010	29	70	94.5	95	119	12	15	70	90	93	55	107	8-φ5.5	9-M6X12	M4X8	S32	S90	4	3.5	10	29	15	6	81	8	32	3.3	6.5	21	20	12	4	10	3.5		
015	35	80	102.5	103	127	14	16	72	100	103	64	115	8-φ6.6	9-M8X13	M5X10	S38	S100	5	4	10	30	15	6	86.5	6.5	31.5	3.3	7.5	24	23	14	4.5	11.5	4		
030	48	100	129.5	130	156	17	20	87	125	128	80	143	16-φ6.6	9-M10X13	M6X12	S53	S125	6	6	12	34	15	12.5	105.5	8	40.5	5.5	10	28	27	17	5	14.5	5		
050	63	125	164	165	195	20	25	110	156	162	100	180	16-φ9	9-M12X17	M8X20	S67	ISO C1550G	6	7	15	45	23	9.5	126.5	14	50.5	4.9	11	31	30	20	5	15	6.5		
100	80	150	189	190	222	24	30	128	180.5	186.5	115	206	16-φ9	9-M14X20	M8X20	S85	ISO C1800G	8	10	20	48	25	18	155	14	60	8	15	39	38	24	7	19	8		
150	80	170	219	220	256	28	35	151	207	216	136	238	16-φ11	9-M16X24	M10X20	S85	ISO D2060G	8	9	20	59	25	11	168	16	63	3.9	18.5	45.5	44	28	8	22	10		
200	96	190	239	240	280	32	38	84	231	240	150	260	16-φ13	9-M16X25	M12X24	S105	ISO D2300G	10	8.5	20	70	25	14	190	14	68.5	6.9	20.5	52	50	32	9	25	11		
400	105	240	283	284	325	42	50	203	274	283	-	304	16-φ13	9-M12X25(PCD149) 9-M16X25(PCD195)	M16X32	S115	ISO D2720G	12	8	30	80	30	26	232	16	80	9	21.5	66.5	64	42	11	32	16		
***																																				

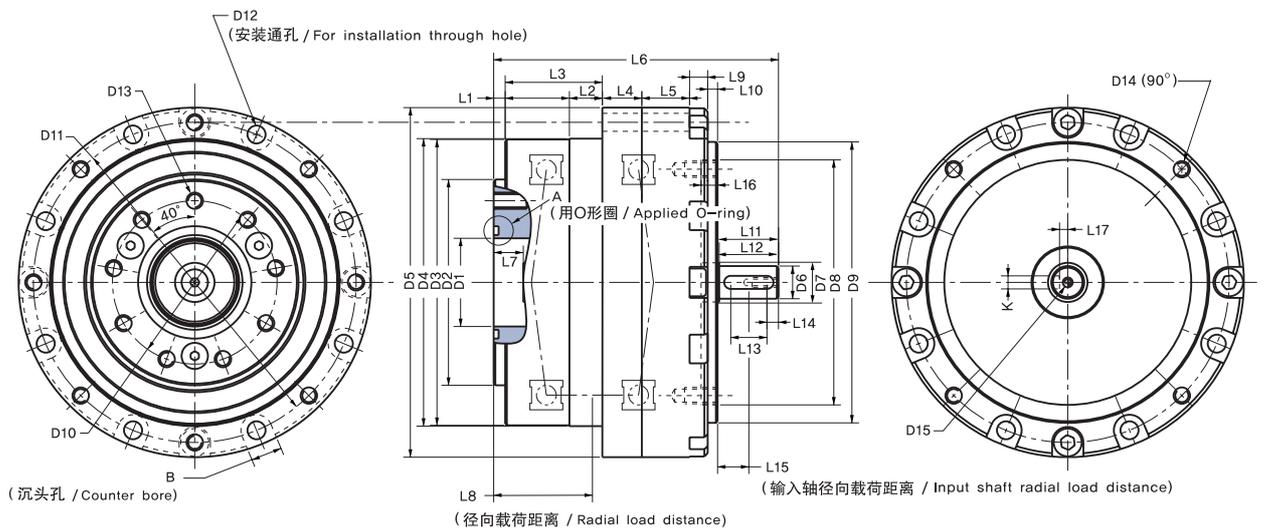
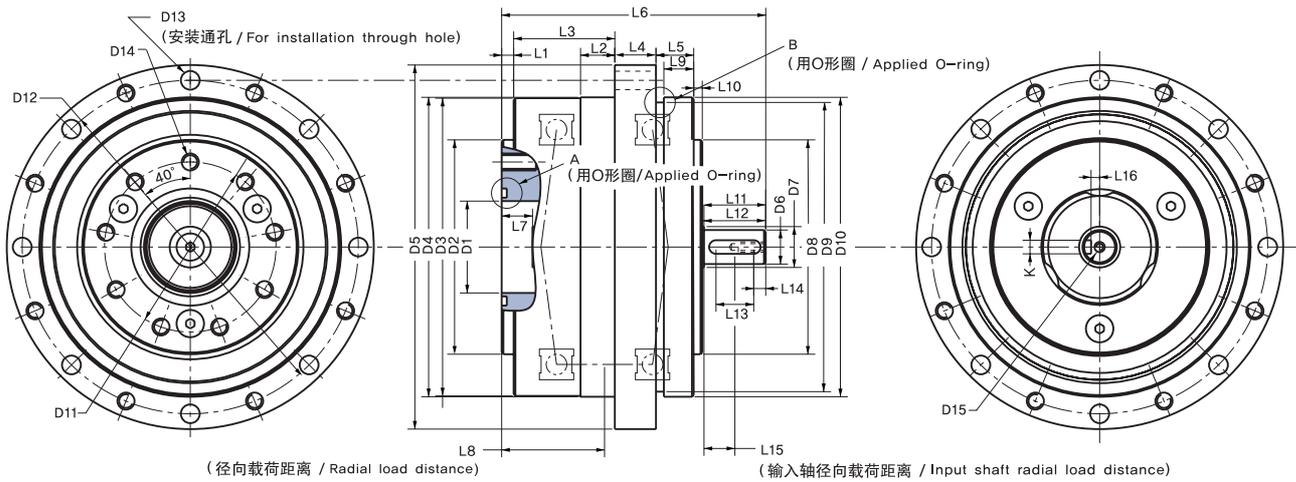
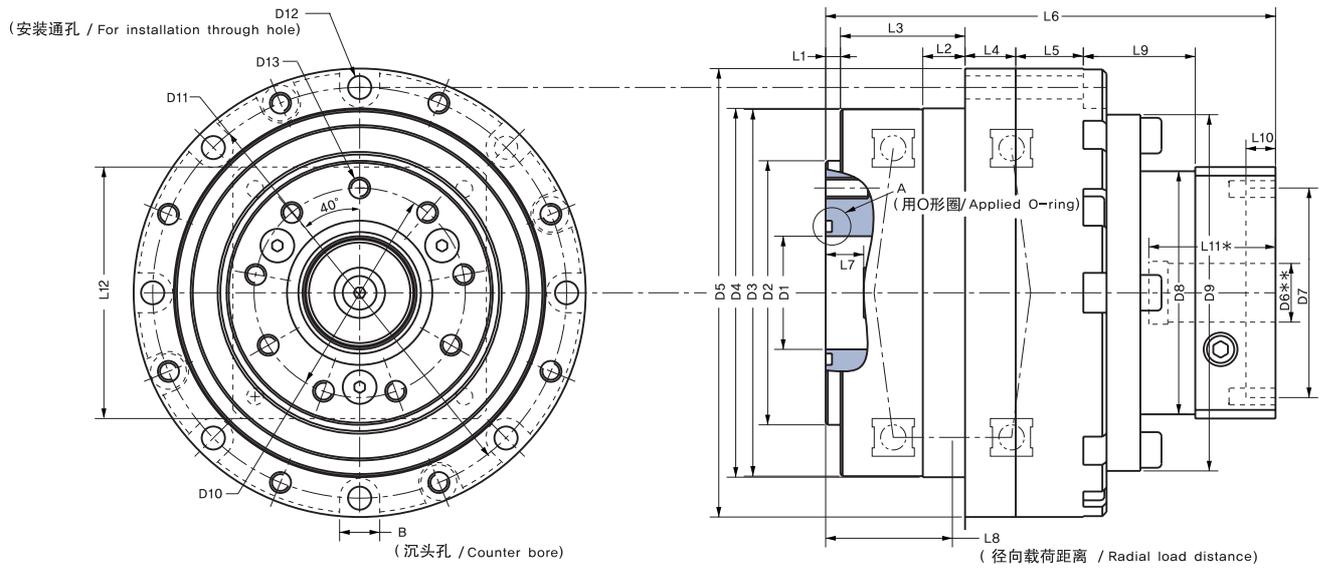
- ▶ \*\*\* 有双PCD的输出法兰 / \*\*\* has dual PCD for output flange.

# RD-S2 type

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

	D1 (H7)	D2 (h7)	D3	D4 (h7)	D5	D6 (h7)	D7 (h7)	D8 (h7)	D9 (h7)	D10 (PCD)	D11 (PCD)	D12	D13	D14	D15	A	B	K (P9)	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	
002	13	40	55.8	56	70	6	-	56	30	63	8-φ3.5	6-M5X6	4-M3X6	M2X4	S16	8-6	2	5	8	22.5	8	10	66	4	26.5	4.5	5	11	11	7	2	5.5	-	1.8		
003	17	48	65.8	66	82	6	8	64	36	74	8-φ4.5	6-M6X9	4-M4X8	M2X4	S20	8-8	2	4	8	26.5	9	11.5	68	5	26.5	4.5	5	11.5	11	7	2	6	-	1.8		
004	20	55	74.5	75	93	10	12	75	43	85	8-φ4.5	9-M5X8	4-M4X8	M3X6	S22	8-8	4	4	10	23	10	8	77	7	27.5	10.5	3	18.5	18	11	3.5	9.5	-	2.5		
006	27	63	87.5	88	107	10	12	75	86	50	98	8-φ5.5	9-M5X8	4-M5X10	M3X6	S29	8-9.5	4	3.5	10	29.5	12	9.5	81.5	9	30	5.5	3	18.5	18	11	3.5	9.5	5	2.5	
010	29	70	94.5	95	119	12	15	95	55	107	8-φ5.5	9-M6X12	4-M5X10	M4X8	S32	8-9.5	4	3.5	10	29	15	6	87.5	8	32	10	3	21	20	12	4	10.5	-	3.5		
015	35	80	102.5	103	127	14	16	90	103	64	115	8-φ6.6	9-M8X13	4-M8X12	M5X10	S38	8-11	5	4	10	30	15	9	91.5	6.5	31.5	6.5	3	23.5	23	14	4.5	12	6.5	4	
030	48	100	129.5	130	156	17	20	130	80	143	16-φ6.6	9-M10X13	8-M6X12	M6X12	S53	16-11	6	6	12	34	15	11	110.5	8	40.5	14	3	27.5	27	17	5	14.5	-	5		
050	63	125	164	165	195	20	25	165	100	180	16-φ9	9-M12X17	8-M8X16	M8X20	S67	16-14	6	7	15	45	23	10	132	14	50.5	13	3	31	30	20	5	16	-	6.5		
100	80	150	189	190	222	24	30	180.5	115	206	16-φ9	9-M14X20	8-M8X16	M8X20	S85	16-14	8	10	20	48	25	12	160.5	14	60	23.5	3	39	38	24	7	20	-	8		
150	80	170	219	220	256	28	35	207	136	238	16-φ11	9-M16X24	8-M10X20	M10X20	S85	16-17.5	8	9	20	59	25	12	174.5	16	63	21.5	3	45	44	28	8	23	-	10		
200	96	190	239	240	280	32	38	210	231	150	260	16-φ13	9-M16X25	8-M12X24	M12X24	S105	16-20	10	8.5	20	70	25	37	207.5	14	68.5	13	3	51	50	32	9	26	10.5	11	
400	105	240	283	284	325	42	50	240	274	-	304	16-φ13	9-M12X25(PCD149) 9-M16X25(PCD195)	8-M12X24	M16X32	S115	16-20	12	8	30	80	30	51	252	16	80	13	5	65	64	42	11	33	9	16	
***																																				

- ▶ \*\*\* 有双PCD的输出法兰 / \*\*\* has dual PCD for output flange.

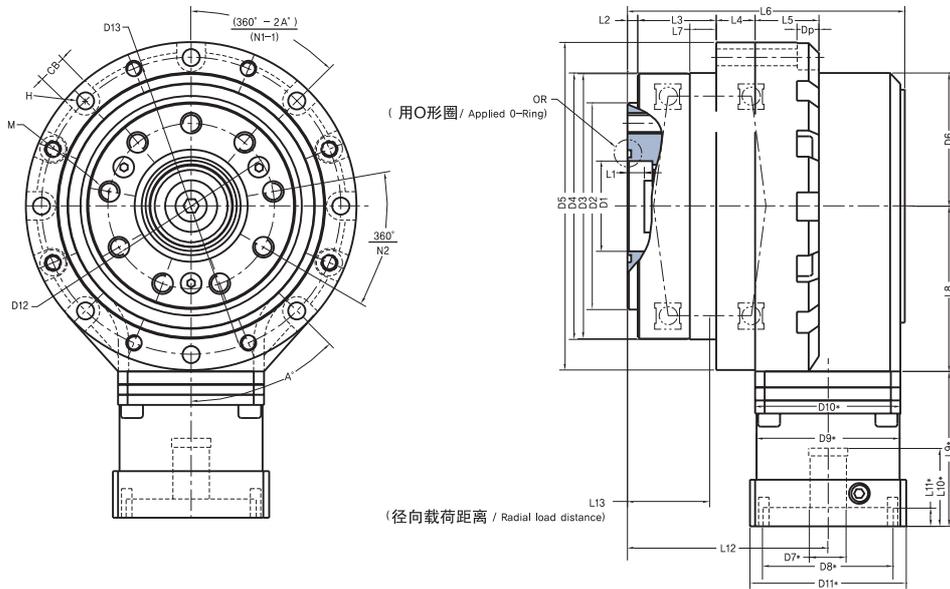


# RD-EP type

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

	D1 (φ) (H7)	D2 (φ) (h7)	D3 (φ)	D4 (φ) (h7)	D5 (φ)	D6 (φ)	D7* (φ) (H7)	D8* (φ) (H7)	D9* (φ)	D10* (□)	D11* (□)	D12 (PCD)	D13 (PCD)	L1	L2	L3	L4	L5	L6	L7	L8	L9*	L10*	L11*	L12	L13	A°	N1	N2	M	φ Hxφ CBxDp	OR
006	27	63	87.5	88	107	44	8	30	39	44	40	50	98	9	3.5	29.5	16	20	90	10	58	50	25	5.5	71	30	45°	7	9	M5X8	5.5x9.5x5.5	S29
015	35	80	102.5	103	127	51.5	14	50	55	56	60	64	115	6.5	4	30	15	24.5	106.5	10	64	56.5	30	7	77	31.5	45°	7	9	M8X13	6.6x11x8.5	S38
030	48	100	129.5	130	156	55	19	70	64	65	80	80	143	8	6	34	15	35	127.5	12	78.5	65.5	35	6.5	95	40.5	33.75°	14	9	M10X13	6.6x11x24	S53
050	63	125	164	165	195	70	22	95	86	88	100	100	180	14	7	45	23	30	163	15	98.5	92	55	12	119	50.5	33.75°	14	9	M12X17	9x14x20	S67
100	80	150	189	190	222	88	28	110	118	120	130	115	206	14	10	48	25	50	203	20	112	96	55	10	143	60	33.75°	14	9	M14X20	9x14x38	S85
150	80	170	219	220	256	104	28	110	118	125	130	136	238	16	9	59	25	46	218	20	130	104	55	10	155.5	63	33.75°	14	9	M16X24	11x17.5x34	S85
200	96	190	239	240	280	119	35	130	140	145	150	150	260	14.5	8.5	70	25	51	248.5	20	142	124	70	12	176	68.5	33.75°	14	9	M16X25	13x20x10	S105

- ▶ \* 取决于所用电机 / \* depend on applied motor.
- ▶ N1 : 安装通孔数量 / N1 : Number of installation through hole
- ▶ N2 : 输出法兰螺孔数量 / N2 : Number of output flange tap



■RD-EP 型 标准速比 [RD-EP type standard ratio]

型号 [Model]	006	(37.5)/72.5/82.5/97.5/107.5/(116.25)/(132.5)/145/182.5/192.5/212.5/(230)/272.5/317.5/362.5/422.5/(457.5)
	015	(66)/(81)/120/165/178.5/201/246/300/327/367.5/399/489
	030	(37.5)/(52.5)/72.5/100.5/107.5/149.5/177.5/212.5/242.5/272.5/296.5/338.5/352.5/380.5/402.5/422.5/452.5/482.5/542.5/(597.5)
RD-EP	050	(37.5)/(50)/(63.75)/72.5/82.5/97.5/107.5/135.5/145/162.5/198.5/212.5/233.5/250/287.5/332.5/401.5/430/464.5/497.5/572.5/662.5
	100	(37.5)/(52.5)/(58.5)/72.5/90/100.5/112.5/121.25/135.5/142.5/162.5/177.5/192.5/202.5/226.5/282.5/322.5/358.75/402.5/450.5/572.5/642.5
	150	(37.5)/(55)/(72.5)/79.5/97.5/107/117.5/128.5/142.5/192.5/217.5/259/287.5/292.75/316/325/347.5/382.5/432.5/465.625/515.5/572.5/583/647.5
	200	(48.6)/(74.82)/88.5/124.5/(174)/178.5/192/228/246/297/(345)/356.4/(381)/393.6/453/489/591/644.25/709.8/784.2

▶ ( ) 可选速比 . / ( ) is optional ratio.

■RD-EP 型 额定值一览表 [RD-EP type rating at a glance]

型号 [Model]	006	015	030	050	100	150	200	主轴承承载力 [Main bearing load]			重量[Weight] (kg)								
								额定输出 扭矩 [Rated output torque] (Nm)	额定输出 转速 [Rated output speed] (rpm)	扭转刚性 [Torsional stiffness] (Nm /arc min.)	允许的加/ 减速扭矩 [Allowable acc./dec. torque] (Nm)	瞬间最大 允许扭矩 [Momentary allowable max.torque] (Nm)	最大传动 回差 [Lost Motion max.] (arc min.)	最大(平均) 输入转速 [Max. (average) input speed] (rpm)	径向承载 [Radial load] (N)	轴向承载 [Thrust load] (N)	抗弯扭矩 [Moment load] (Nm)	RD-EP	
																		A204	S45C
		60	30	20	120	300	1	5000 (4000)	6000	1800	180	2.6	3.4						
		147	20	28	330	735	1	4000 (3200)	7900	2300	250	4.2	5.2						
		294	15	55	735	1470	1	4000 (3200)	14000	4200	570	8.2	9.9						
RD-EP		490	15	110	1225	2450	1	3500 (2800)	18600	5500	940	14	18						
		951	15	190	2378	4755	1	3500 (2800)	26700	8000	1600	21	28						
		1348	15	350	3370	6740	1	3000 (2400)	34200	10000	2150	35	42						
		1820	15	590	4550	9100	1	3000 (2400)	45200	13500	3100	36	48						

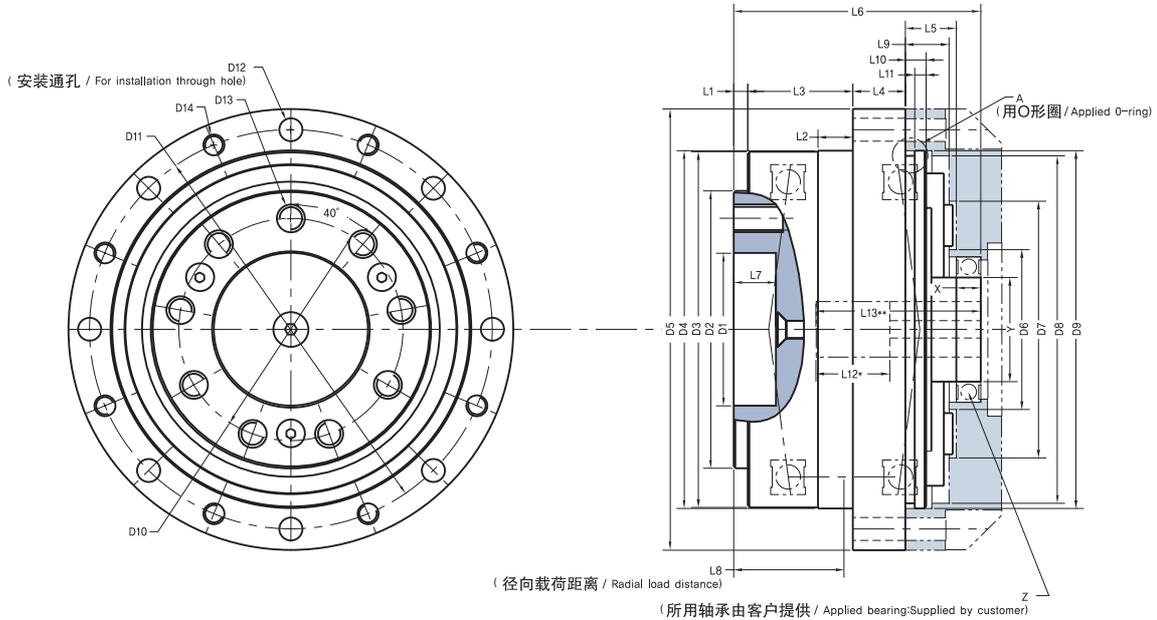
▶ ( ) 可选速比 . / ( ) is optional ratio.

# RD-B type

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

	D1 (h7)	D2 (h7)	D3	D4 (h7)	D5	D6	D7	D8	D9 (h7)	D10 (PCD)	D11 (PCD)	D12	D13	D14	A	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12*	L13**	L13**	
004	27	55	74.5	75	93	-	-	70	74	43	85	8- $\phi$ 4.5	9-M5X8	8-M4	S71	4	10	23	10	15.5	58	11	27.5	15.5	7.5	4.8	20	40		
006	33	63	87.5	88	107	-	-	82	88	50	98	8- $\phi$ 5.5	9-M5X8	8-M5	S85	3.5	10	29.5	12	11.5	65	8.5	30	11.5	6	3.7	18	44		
010	38	70	94.5	95	119	-	-	90	93	55	107	8- $\phi$ 5.5	9-M6X12	8-M5	S90	3.5	10	29	15	13	70	12	32	13	6	3.3	22	49		
015	44	80	102.5	103	127	46	74	100	103	64	115	8- $\phi$ 6.6	9-M8X13	8-M6	S100	4	10	30	15	14.5	70.5	12	31.5	12.5	6	3.3	21	49		
030	53	100	129.5	130	156	54	90	124	128	80	143	16- $\phi$ 6.6	9-M10X13	8-M6	S125	6	12	34	15	23.5	85	12	40.5	21	12.5	5.5	26.5	56		
050	63	125	164	165	195	66	114	156	162	100	180	16- $\phi$ 9	9-M12X17	8-M8	ISO C1550G	7	15	45	23	22.5	107.5	22.5	50.5	18.5	9.5	4.9	25.5	69		
100	81	150	189	190	222	84	132	186.5	186.5	115	206	16- $\phi$ 9	9-M14X24	8-M8	ISO C1800G	10	20	48	25	35	132	23	60	31	18	8	34.5	89		
150	91	170	219	220	256	90	156	216	216	136	238	16- $\phi$ 11	9-M16X24	8-M10	ISO D2060G	9	20	59	25	32	138	24.5	63	27	11	4	37	93		
200	96	190	239	240	280	100	176	240	240	150	260	16- $\phi$ 13	9-M16X25	8-M12	ISO D2300G	8.5	20	70	25	36.5	158	25	68.5	31.5	14	6.9	44.5	112		
400 ***	116	240	283	284	325	120	210	283	283	-	304	16- $\phi$ 13	9-M12X25(PCD149) 9-M16X25(PCD195)	8-M12	ISO D2720G	8	30	80	30	50	184	24.5	80	45	26	9	60.5	133		
600 ***	131	280	335	336	384	150	245	336	336	-	360	16- $\phi$ 16	9-M16X25(PCD170) 9-M20X25(PCD230)	8-M14	ISO D3250G	8	30	84	40	55	206	31.5	90	50	28	11	60.5	145		

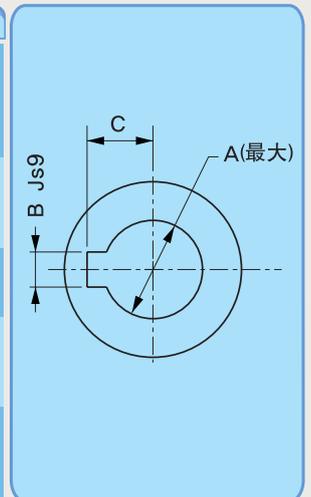
- ▶ \* 输入轴伸长范围 / \* is input shaft relief depth
- ▶ \*\* 输入轴可插入的深度 / \*\* is input shaft insertable depth
- ▶ \*\*\* 有双PCD的输出法兰 / \*\*\* has dual PCD for output flange.



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

	速比 [Ratio]	$\phi A$	B	C	X	$\phi Y(h6)$	Z
004	31/61/76	11	4	7.1	5	17	6803
	36/49/71/88.5/97/121	8	3	5.3	5	15	6802
006	29/33/39/73/85	11	4	7.2	7	20	6804
	43/58/77/109/127/145/169	8	3	5.3	8	15	16002
010	34/39.5/71/85	14	5	9.3	7	25	6805
	56/79.75/95.5/101/107.4/121	11	4	7.3	9	20	6904
	61.5/155	8	3	5.4	8	17	16003
015	40/55/82/109	16	5	10.3	7	30	6806
	67/100/133	14	5	9.3	9	25	6905
	59.5/(82B)/122.5/163	11	4	7.3	9	25	6905
030	29/43/85/97/109	19	6	12.3	9	30	6906
	(40.2)/59.8/118.6/135.4/152.2	16	5	10.3	9	30	6906
	71/141/161/181	14	5	9.3	8	25	16005
	(57)/(86B)/169/193/217	11	4	7.3	8	25	16005
050	29/39/(57)/(67)/(115B)/133	28	8	17.3	12	40	6908
	33/65	24	8	15.3	12	40	6908
	54.2/79.4/93.4/160.6/185.8	19	6	12.3	14	35	6007
	43/58/85/100/172/199/115/229	19	6	12.3	14	35	6007

	速比 [Ratio]	$\phi A$	B	C	X	$\phi Y(h6)$	Z
100	29/39/(57B)/65/(115)/(129B)	35	10	20.8	16	50	6010
	36/48.5/71/81/143.5/161	28	8	17.3	18	40	6208
	40.2/54.2/79.4/90.6/180.2	28	8	17.3	18	40	6208
	45/(89)	24	8	15.3	18	40	6208
	57/77/113/129/229/257	19	6	12.3	17	32	62/32
150	31.8/42.8/47/77/126.4/139	35	10	20.8	16	50	6010
	51.4/87/103.6/117.1/153/173	28	8	17.3	18	40	6208
	186.25/206.2/233.2	28	8	17.3	18	40	6208
	57/115/130/229/259	24	8	15.3	18	40	6208
200	41.5/76/82/99/151/163/197	35	10	20.8	20	50	6210
	59.9/118.8/131.2	28	8	17.3	23	40	6308
	214.75/236.6/261.4	28	8	17.3	23	40	6308
400	36.34/142.36	42	12	24.3	18	65	6013
	39/57/77/85/153/169	42	12	24.3	18	65	6013
	48.5/71/96/106/191/211	35	10	20.8	21	55	6211
600	(52.3)/114.4/206.2/227.8	35	10	20.8	21	55	6211
	39.25/77.5	55	16	31.8	22	80	6016
	44.2/87.4/154/173.8	55	16	31.8	22	80	6016
	53/105/209	42	12	24.3	22	80	6016
	64/127/253	42	12	24.3	24	70	6214



- ▶ ( ) 可选速比 / ( ) is optional ratio.
- ▶ X, Y, Z 请参照上面尺寸图 / Please refer X, Y, Z, above external dimension drawing.

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

型号 [Model]	RD B	RD A2	002	(15.4) / 25 / 41 / (49) / 53.8 / 81 / 86 / 106.6 / 113.2
			003	(17) / 25 / 34 / 50.5 / 67 / (73) / 91 / 100 / 113 / 141 / 155 / 181 / 199
004	31 / 36 / 49 / 61 / 71 / 76 / 88.5 / 97 / 121			
006	29 / 33 / 39 / 43 / 58 / 73 / 77 / 85 / 109 / 127 / 145 / 169			
010	34 / 39.5 / 56 / 61.5 / 71 / 79.75 / 85 / 95.5 / 101 / 107.4 / 121 / 155			
015	40 / 55 / 59.5 / 67 / 82 / (82B) / 100 / 109 / 122.5 / 133 / 163			
030	29 / (40.2) / 43 / (57) / 59.8 / 71 / 85 / 97 / 109 / 118.6 / 135.4 / 141 / 152.2 / 161 / 169 / 181 / 193 / 217			
050	29 / 33 / 39 / 43 / 54.2 / (57) / 58 / 65 / (67) / 79.4 / 85 / 93.4 / 100 / 115 / (115B) / 133 / 160.6 / 172 / 185.8 / 199 / 229			
100	29 / 36 / 39 / 40.2 / 45 / 48.5 / 54.2 / 57 / 65 / 71 / 77 / 79.4 / 81 / (89) / 90.6 / 113 / (115) / 129 / (129B) / 143.5 / 161 / 180.2 / 229 / 257			
150	31.8 / 42.8 / 47 / 51.4 / 57 / 77 / 87 / 103.6 / 115 / 117.1 / 126.4 / 130 / 139 / 153 / 173 / 186.25 / 206.2 / 229 / 233.2 / 259			
200	41.5 / 59.9 / 76 / 82 / 99 / 118.8 / 131.2 / 151 / 163 / 197 / 214.75 / 236.6 / 261.4			
400	36.34 / 39 / 48.5 / (52.3) / 57 / 71 / 85 / 96 / 106 / 114.4 / 142.36 / 153 / 169 / 191 / 206.2 / 211 / 227.8			
600	39.25 / 44.2 / 53 / 77.5 / 87.4 / 105 / 127 / 154 / 173.8 / 209 / 253			

▶ ( ) 可选速比, / ( ) is optional ratio.

## ■RD 系列 额定值一览表 [RD series rating at a glance]

型号 [Model]	RD B	RD A2	额定输出扭矩 [Rated output torque]	额定输出转速 [Rated output speed]	扭转刚性 [Torsional stiffness]	允许的加/减速扭矩 [Allowable acc. / dec. torque]	瞬间最大允许扭矩 [Momentary allowable max. torque]	最大传动回差 [Lost motion max.]	最大(平均)输入转速 [Max.(average) input speed]
			(Nm)	(rpm)	(Nm/arc min.)	(Nm)	(Nm)	(arc min.)	(rpm)
			002	20	30	3	40	100	1
003	30	30	4.2	60	150	1	5000 (4000)		
004	40	30	6.5	80	200	1	5000 (4000)		
006	60	30	12	120	300	1	5000 (4000)		
010	91	20	20	205	455	1	4000 (3200)		
015	147	20	28	330	735	1	4000 (3200)		
030	294	15	55	735	1470	1	4000 (3200)		
050	490	15	110	1225	2450	1	3500 (2800)		
100	951	15	190	2378	4755	1	3500 (2800)		
150	1348	15	350	3370	6740	1	3000 (2400)		
200	1820	15	590	4550	9100	1	3000 (2400)		
400	4000	15	1000	10000	20000	1	3000 (2400)		
600	5988	15	1280	14970	29940	1	2500 (2000)		

型号 [Model]	RD B	RD A2	主轴承载能力 [Main bearing load]			重量 [Weight] (kg)									
			径向承载 [Radial load] (N)	轴向承载 [Thrust load] (N)	抗弯扭矩 [Moment load] (Nm)	RD-B		RD-A2		RD-C2		RD-S		RD-S2	
						A2024	S45C	A2024	S45C	A2024	S45C	A2024	S45C	A2024	S45C
002	1400 (150)	450 (75)	38.5	-	-	-	-	0.65	1.1	0.5	0.8	0.6	0.9		
003	1700 (160)	500 (80)	45	-	-	-	-	1	1.4	0.8	1.1	0.8	1.1		
004	3270 (160)	980 (80)	90	0.9	1.5	1.2	1.7	1.5	2.1	1	1.6	1.2	1.7		
006	6000 (270)	1800 (135)	180	1.5	2.4	1.8	2.7	2.2	3.1	1.6	2.3	1.9	2.6		
010	7000 (330)	2100 (165)	225	1.8	2.9	2.3	3.4	3	4	2.3	3.1	2.5	3.3		
015	7900 (350)	2300 (175)	250	2.3	3.4	2.8	3.9	3.4	4.6	2.6	3.6	2.9	3.9		
030	14000 (600)	4200 (300)	570	4.3	6.4	5.2	7.3	6.4	8.5	4.9	6.6	5.4	7.1		
050	18600 (980)	5500 (490)	940	9	13	10.6	14.6	13	17	10	13	11	14		
100	26700 (1970)	8000 (985)	1600	13	20	16.3	23.3	21	28	16	21	17	22		
150	34200 (2190)	10000 (1095)	2150	19	28	22.5	31.5	27	36	21	28	23	30		
200	45200 (2580)	13500 (1290)	3100	25	38	30	43	36	48	29	39	32	42		
400	63750 (3000)	21000 (1500)	5100	45	65	53	73	61	83	45	67	51	73		
600	81000	25000	7300	70	101	-	-	-	-	-	-	-	-		

▶ ( ) 指S和S2型输入轴承的许用承载力 / ( ) show S & S2 type input shaft bearing permissible load

