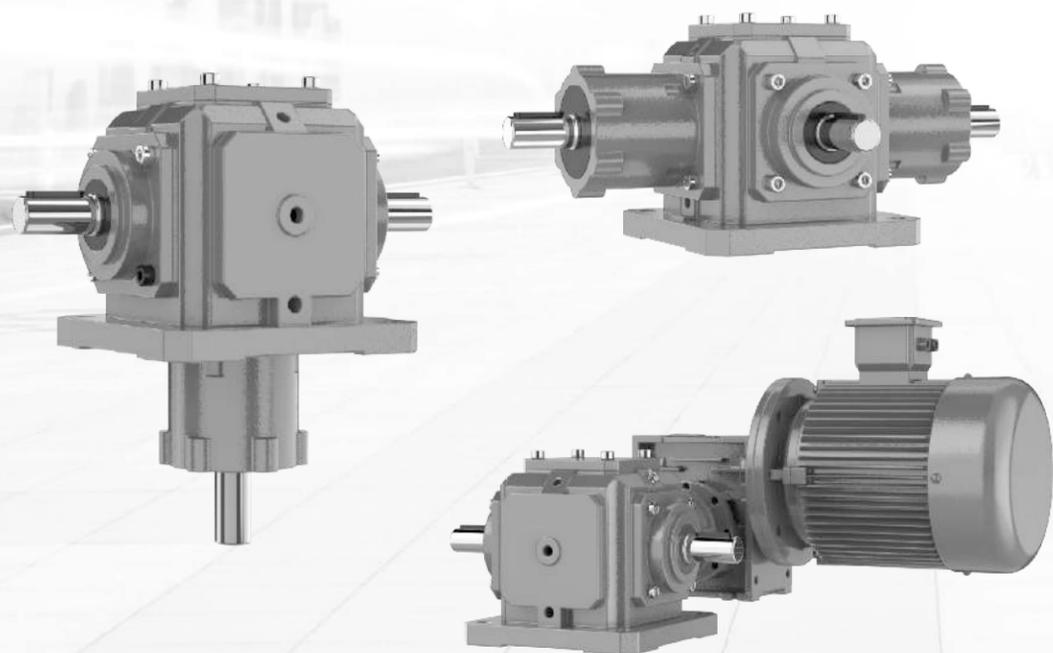


转向器系列 steering gear series



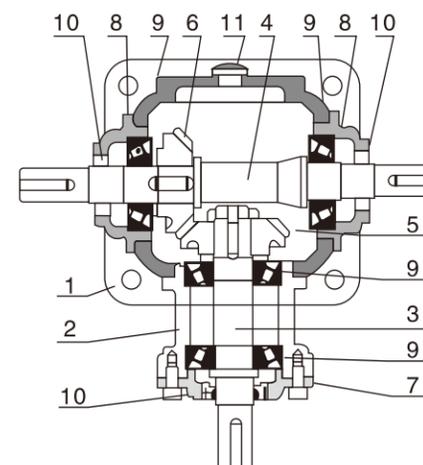
1、T系列螺旋锥齿轮传动箱概述:

- 1.1 T系列一级螺旋锥齿轮传动箱，标准化，多品种，速比1:1、1.5:1、2:1、2.5:1、3:1、4:1、5:1全部为实际传动比。平均效率98%。
- 1.2 有单轴、双横轴、单纵轴、双纵轴可选。
- 1.3 螺旋锥齿轮可以运转，低速或高速传动平稳，而且噪声低，振动小，承受力大。

T Series spiral bevel gearbox overview:

- 1.1 Tseries spiral bevel gearbox ,production standardization, multi-viety, Ratio of1:1、1.5:1、2:1、2.5:1、3:1、4:1 and 5:1, they are normal Ratio.Average efficienly 98%.
- 1.2 There are one input shaft, two input shafts, unilateral output shaft and Double side output shaft.
- 1.3 Spiral bivel gear are both position and reverse rotation lows sp Nuodun or hight sp Nuodun operate stably and noise low, vibra tion Gently carrying larger force.

2、T系列结构图



T series structure drawing:

- 1、机座 Housing
- 2、横轴座 Housing of input shaft
- 3、纵轴 Output shaft
- 4、横轴 Input shaft
- 5、纵轴锥齿轮 Driven spiral bevel gear
- 6、横轴锥齿轮 Drive spiral bevel gear
- 7、端盖 Bearing seat of input shaft
- 8、端盖 Bearing seat of output shaft
- 9、轴承 Bearing
- 10、油封 Seal
- 11、油镜 Oil gauge

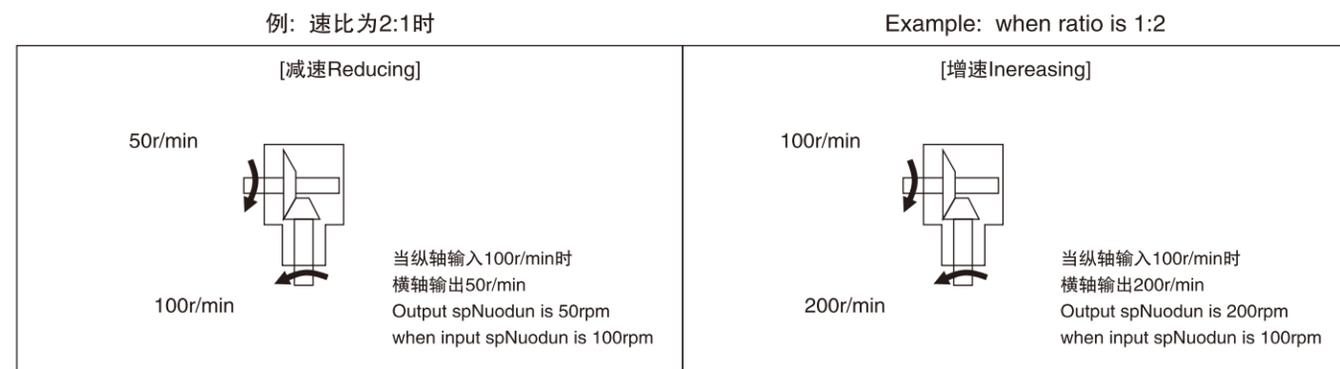
3、转向功能 Function of rotation:

1、纵轴 Output shaft		2、纵轴 Output shaft	
2轴 2-extended shaft	3轴 3-extended shaft	3轴 3-extended shaft	4轴 4-extended shaft

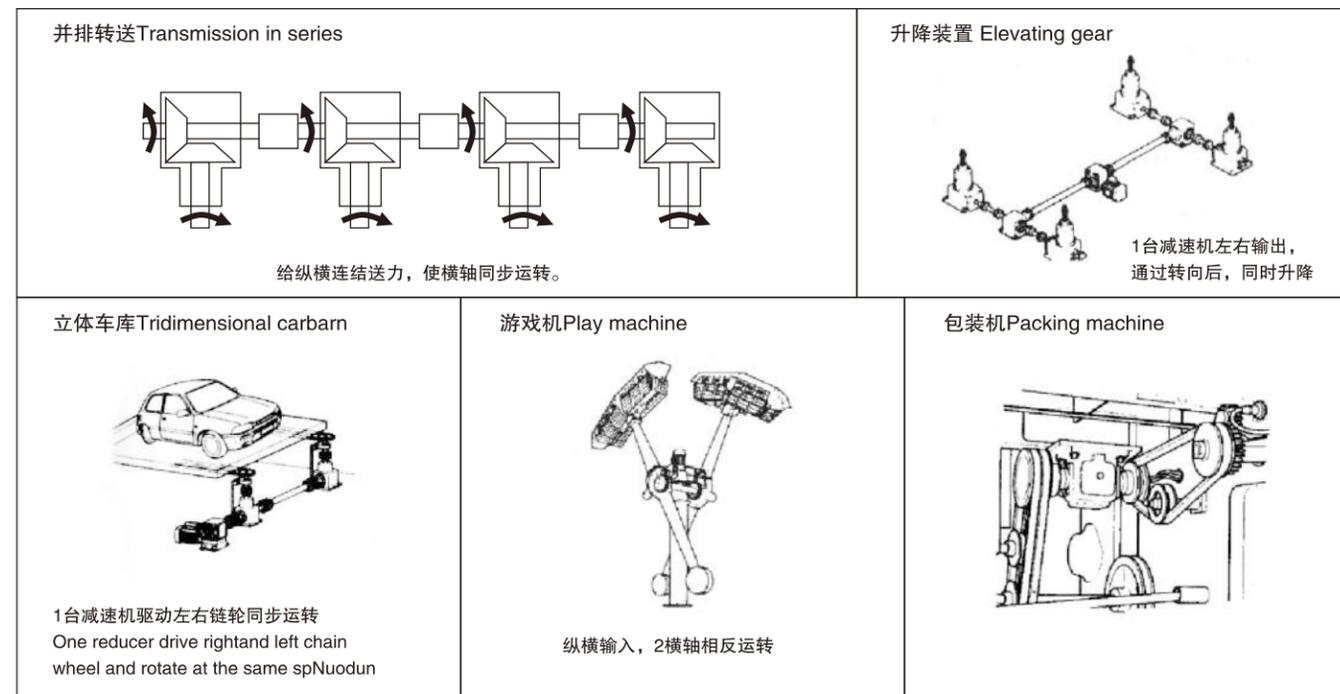
说明：当输入轴旋转方向改变，输出轴相应改变。
Specification: Direction of rotation of output shaft varies with that of input shaft.

4、选定输入轴时应注意转速关系：(1:1传动比时无关系)

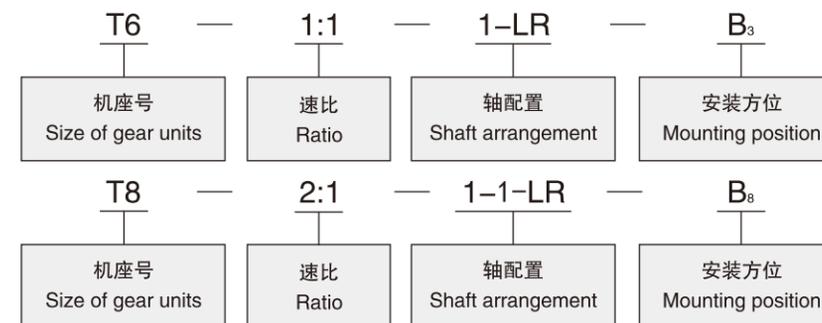
Please pay attention to spNuodun relationship when selecting input shaft
(there si nothing in case of raio of 1:1)



5、应用实例 Application example:



6、T系列型号表示方法 T series model expressing example:



7、T系列重量表 T series weight table: :

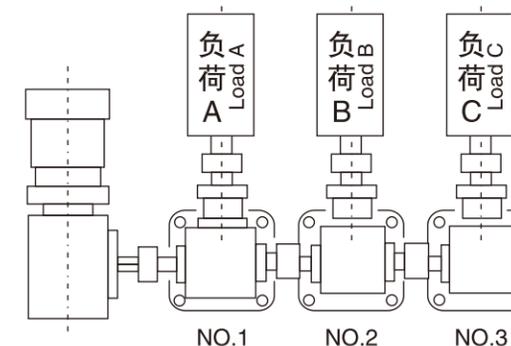
Type	T2	T4	T6	T7	T8	T10	T12	T16	T20	T25
m (kg)	2	10	21	32	49	78	124	188	297	488

8、T 系列Fr(N)表 T series Fr (N) table:

iN	n1 (r/min)	T2		T4		T6		T7		T8		T10		T12		T16		T20		T25	
		横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴
1:1	1450	265	216	833	951	1911	2450	2450	3136	3234	3381	4165	4508	5096	5586	10633	10976				
	1150	323	235	882	1029	2058	2597	2744	3234	3479	3626	4459	4851	5488	6076	11368	11760	15386	15608		
	870	402	255	960	1127	2205	2842	2989	3381	3773	3969	4851	5292	5880	6566	12446	12740	16660	17150	24794	25480
	580	549	214	1078	1323	2499	3185	3381	3822	4263	4459	5488	5880	6713	7301	14014	14504	18816	19404	28028	28910
	400	637	353	1372	1715	3185	3528	4018	4900	4851	5978	6272	7056	7742	8134	15680	16170	21070	21756	31360	32340
	300	696	392	1519	1960	3430	3528	4410	5537	5243	6958	6713	7987	8232	9065	17150	17640	23422	24108	34300	35280
	200	784	441	1911	1960	3430	3528	5096	6272	7889	8820	8575	9604	9261	10290	19600	19894	25970	26754	38612	39788
	100	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11368	12593	22540	22540	28420	32928	39200	49000
	10	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	22540	22540	28420	33320	39200	49000
1.5:1 2:1 2.5:1 3:1	1450			1078	1960	2548	2842	3430	5390	4361	7987	5194	9212	5978	10486	5978	12152	7693	14602		
	1150			1078	1960	3038	3087	40687	5978	5096	8820	6174	10486	7252	12152	6419	13083	8771	17934	12985	24647
	870			1078	1960	3430	3332	4753	6076	6076	8820	7448	11760	8869	14504	6958	14210	9506	19453	13573	29400
	580			1078	1960	3430	3528	5096	6174	7644	8820	9555	11760	11466	14504	7840	16072	10780	22001	15680	33222
	400			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	8820	17934	12005	24598	17542	37142
	300			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	9604	19600	13132	27342	19159	40474
	200			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	10829	22148	14798	30282	21658	45766
	100			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	13328	2540	18228	33320	26656	49000
	10			1078	1960	3430	3528	5096	6270	8428	8820	9996	11760	11858	14504	22540	22540	28420	33320	39200	49000

备注: 各规格更低的输出转速按以上最大的Fr值
Note: If there is lower output spNuodun, please choose the maximum Fr in above table

9、T 系列举例 T series selection sample:



3台负载全部为196N·m, 一般冲击, 每天连续工作8小时, 即使用系数fs=1.25, 斜齿轮输入轴转速以300 r/min, 速比全部为1:1。

根据公式:

$$\text{每台齿轮箱本身所需的负载} MN2 \geq M2 \times fs = 196 \times 1.25 = 245N \cdot m$$

※1号齿轮箱 因1号齿轮箱本身的负载力: 245N·m, 而2号、3号齿轮箱通过1号齿轮箱体传递扭矩。

所以1号齿轮箱应承担的负载: 245N·m+245N·m+245N.m=m+735N·m, 依据传动能力表, 应选T12。

※2号齿轮箱 除本身负载245N·m, 还需传递3号齿轮箱的扭矩。所以总负载应为245N·m+245N·m=490N·m, 依据传动能力表, 应选T10。

※3号齿轮箱 由于仅一个负载C进行运转, 即所需负载在245N·m以上即可, 依据传动能力表可选T8。

Torque values of three gearboxes are 196Nm, uniform operate continuous for 8 hour per day, that is, useful factor fs=1.25 input spNuodun of 300rpm, ratio of 1:1.

Calculate according to formula:

Required torque of any of gearbox Mn2 is equal to 245Nm or larger.

No.1 gearbox No1 gearbox carry torque 245Nm, but No.2 and No.3 gearbox nNuodun transfer torque through No.1, Consequently No.1 gearbox should carry torque 735Nm(245N·m+245N·m+245N·m), select T12 according to transmission capacity table.

No.2 gearbox No.3 gearbox still transfers torque of No.3 gearbox besides torque of 245Nm, so, the total torque is 490Nm(245N·m+245N·m), select T10 according to transmission capacity table.

No.3 gearbox Required torque is more than 245Nm because of only load C according to transmission capacity table.

10、T 系列传动能力表 T series transmission capacity table:

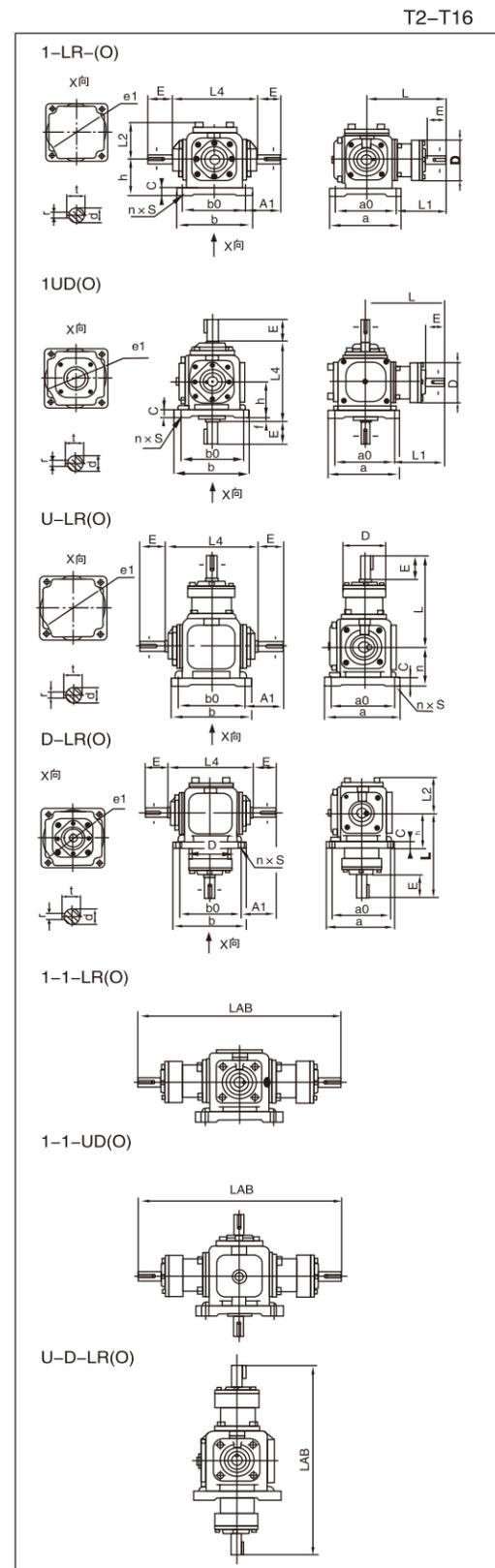
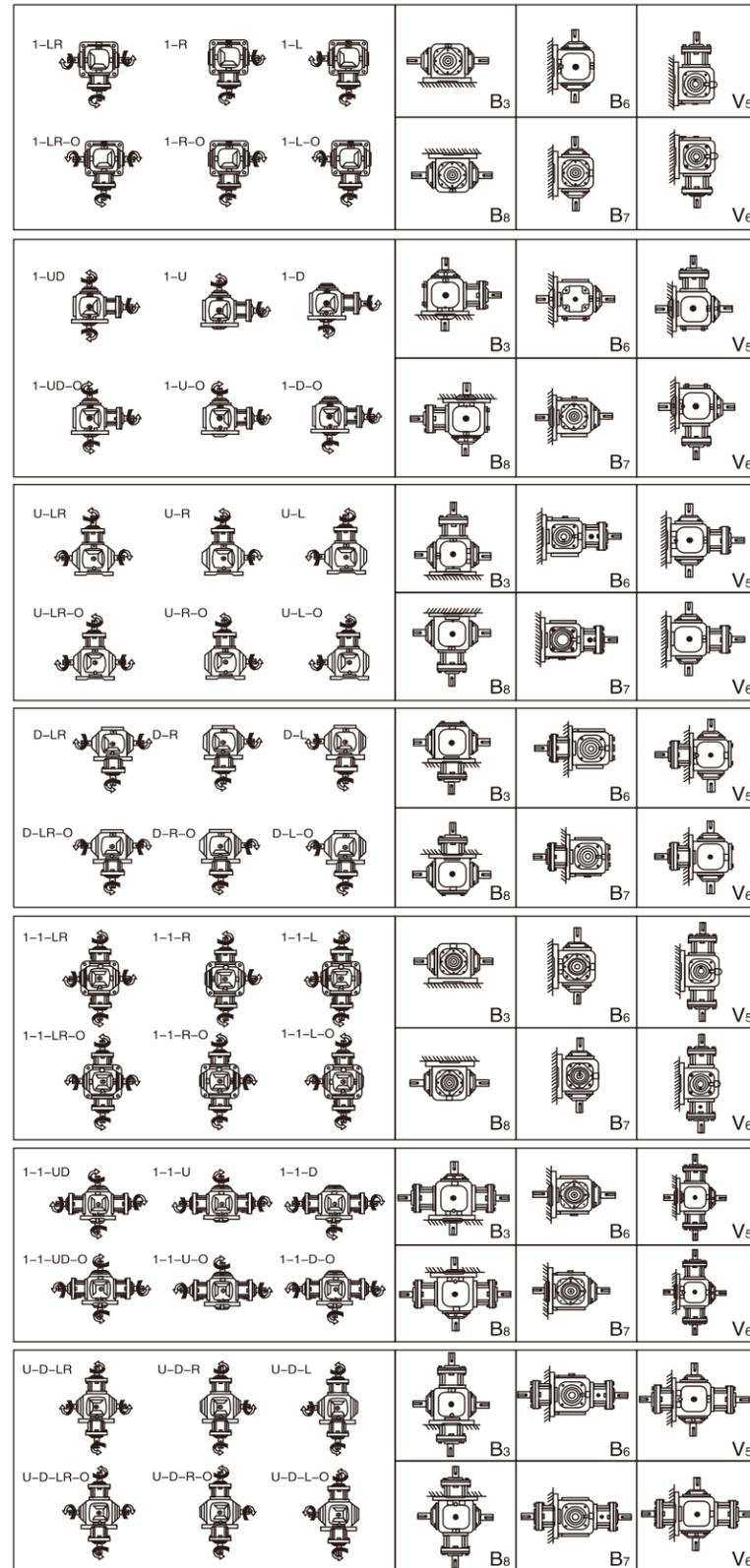
i	n1 (r/min)	T2		T4		T6		T7		T8	
		MN2 (N·m)	PN1 (Kw)								
1:1	1450	11.6	1.79	31.9	4.94	96.0	14.9	142	22.0	294	45.6
	1150	11.7	1.43	34.1	4.19	103	12.7	150	18.4	305	37.5
	870	12.1	1.12	37.2	3.46	113	10.5	164	15.2	312	29.0
	580	12.1	0.747	39.5	2.45	119	7.35	184	11.4	319	19.8
	400	12.3	0.524	40.2	1.72	122	5.20	195	8.34	326	14.0
	300	12.3	0.396	40.5	1.30	123	3.93	198	6.35	331	10.6
	200	12.4	0.226	41.2	0.880	124	2.66	201	4.30	338	7.23
	100	12.7	0.136	41.9	0.448	127	1.36	206	2.20	346	3.70
	10	13.0	0.014	43.0	0.046	132	0.141	214	0.228	361	0.386
	1.5:1	1450					117	12.1	145	15.0	185
1150						122	9.96	147	12.0	188	15.4
870						123	7.66	150	9.30	191	11.8
580						126	5.23	153	6.32	197	8.14
400						128	3.66	155	4.41	200	5.70
300						129	2.77	157	3.35	203	4.34
200						131	1.87	160	2.28	204	2.91
100						134	0.957	163	1.16	210	1.49
10						139	0.099	169	0.12	218	0.155
2:1		1450	12.1	0.94	42.8	3.32	102	7.90	137	10.6	180
	1150	12	0.74	43.4	2.67	104	6.39	139	8.55	183	11.3
	870	12	0.56	43.8	2.04	105	4.88	141	6.56	187	8.70
	580	11.9	0.37	44.4	1.38	108	3.34	144	4.47	191	5.92
	400	12.2	0.26	45.1	0.96	109	2.33	146	3.12	194	4.15
	300	11.9	0.19	45.5	0.73	110	1.76	148	2.37	196	3.14
	200	12.2	0.13	46.1	0.49	111	1.18	149	1.59	198	2.12
	100	11.2	0.06	46.6	0.25	114	0.608	152	0.812	202	1.08
	10	28.1	0.015	48.5	0.026	116	0.062	157	0.084	209	0.122
	2.5:1	1450					96.2	5.97	113	6.99	184
1150						97.2	4.78	115	5.64	185	9.11
870						99.0	3.68	116	4.30	188	7.00
580						100.0	2.48	118	2.92	192	4.76
400						100.9	1.73	120	2.05	195	3.34
300						102.9	1.32	121	1.55	197	2.53
200						103.9	0.888	123	1.05	200	1.71
100						104.9	0.448	123	0.528	203	0.867
10						107.8	0.046	126	0.054	208	0.089
3:1		1450					93.6	4.84	105	5.42	159
	1150					94.8	3.88	106	4.34	160	6.55
	870					95.9	2.97	108	3.34	163	5.04
	580					97.6	2.02	109	2.25	166	3.42
	400					99.0	1.41	111	1.58	168	2.39
	300					100	1.07	111	1.18	169	1.80
	200					100	0.712	113	0.803	171	1.22
	100					102	0.363	115	0.409	173	0.618
	10					104	0.037	118	0.042	179	0.064
	4:1	1450					80.6	3.12	93.4	3.62	124
1150						81.5	2.50	94.3	2.90	125	3.83
870						82.4	1.92	95.9	2.23	127	2.95
580						84.1	1.30	96.9	1.50	129	2.00
400						85.1	0.91	98.7	1.05	131	1.40
300						86.1	0.69	98.3	0.79	131	1.05
200						86.0	0.46	101	0.54	134	0.71
100						87.7	0.23	101	0.27	135	0.36
10						89.3	0.02	101	0.03	140	0.04
5:1		1450					52.0	1.61	57.4	1.78	68.7
	1150					52.5	1.29	58.0	1.43	69.2	1.70
	870					53.2	0.99	59.0	1.10	70.4	1.31
	580					54.2	0.67	59.6	0.74	71.7	0.89
	400					52.9	0.47	60.7	0.52	72.6	0.62
	300					55.5	0.36	60.4	0.39	72.9	0.47
	200					55.4	0.24	61.7	0.26	74.1	0.32
	100					56.5	0.12	62.9	0.13	75.1	0.16
	10					57.6	0.01	64.5	0.01	77.8	0.02

1. 横轴转速未达到10r/min时, 请使用10r/min的数据。
2. 以上有灰色标识的规格定购时须咨询, 横轴输入转速超过1450r/min时, 向本公司咨询。

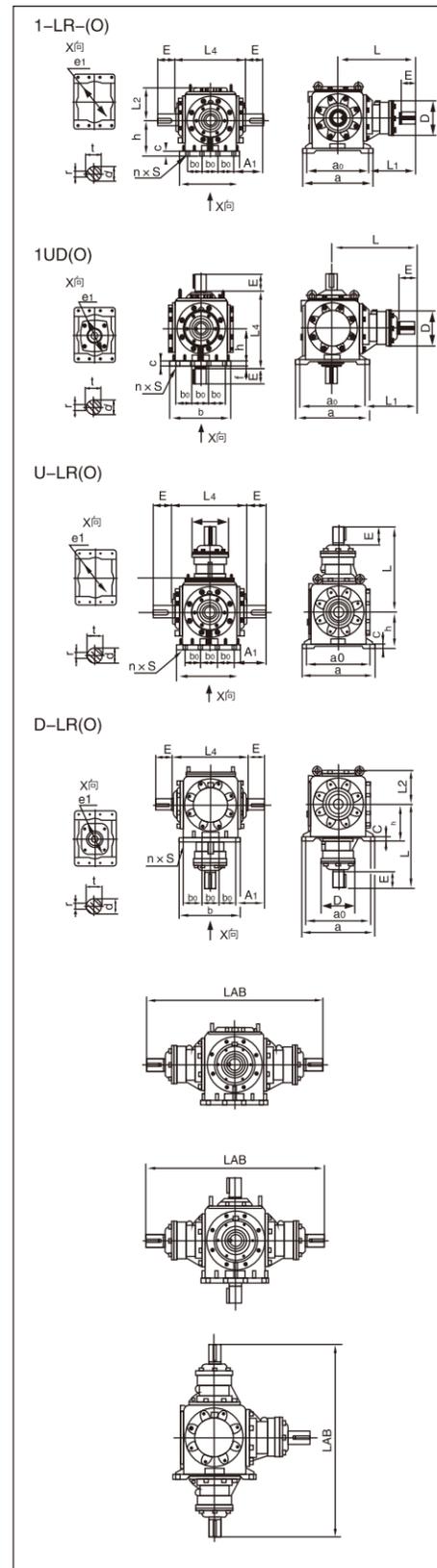
i	n1 (r/min)	T10		T12		T16		T20		T25	
		MN2 (N·m)	PN1 (Kw)								
1:1	1450	421	65.3	619	96.0	1019	163				
	1150	453	55.7	665	81.1	1098	139	1842	234		
	870	479	44.6	726	67.5	1186	114	2009	193	3489	335
	580	493	30.6	802	49.7	1343	85.9	2274	145	3940	252
	400	504	21.5	821	35.1	1499	66.1	2538	112	4410	195
	300	513	16.4	835	26.8	1637	54.1	2744	90.8	4792	159
	200	521	11.1	852	18.2	1784	39.3	3126	69.0	5390	119
	100	535	5.72	875	9.36	1842	20.3	3205	35.3	5439	60.0
	10	561	0.599	919	0.983	1940	2.14	3205	3.53	5713	6.30
	1.5:1	1450	374	38.7	564	58.3					
1150		380	31.2	601	49.2						
870		389	24.1	656	40.7						
580		396	16.4	699	28.9						
400		406	11.6	711	20.3						
300		411	8.78	724	15.5						
200		417	5.95	736	10.5						
100		426	3.04	754	5.37						
10		443	0.316	785	0.56						
2:1		1450	305	23.6	516	40.0	921	73.7			
	1150	309	19.0	516	31.7	938	59.5	1578	126		
	870	315	14.6	516	24.0	958	46.0	1607	102	3146	199
	580	322	10.0	524	16.3	980	31.3	1646	79.0	3224	155
	400	328	7.02	538	11.5	1000	22.0	1695	54.2	3332	107
	300	332	5.33	543	8.71	1009	16.7	1725	38.0	3420	75.4
	200	338	3.61	551	5.89	1029	11.3	1754	39.0	3479	57.5
	100	334	1.84	563	3.01	1058	5.84	1784	19.7	3557	39.2
	10	357	0.191	586	0.313	1098	0.605	1833	10.1	3646	20.1
	2.5:1	1450	293	18.2	507	31.4			1921	1.06	3822
1150		298	14.7	514	25.3						
870		302	11.2	523	19.5						
580		310	7.68	535	13.3						
400		315	5.38	545	9.32						
300		317	4.06	552	7.08						
200		321	2.75	560	4.79						
100		326	1.40	568	2.43						
10		336	0.144	588	0.251						
3:1		1450	270	14.0	458	23.6	904	48.2	1529	82.3	2935
	1150	279	11.3	464	19.0	920	38.9	1561	66.6	3045	130
	870	279	8.66	469	14.6	940	30.1	1598	51.6	3135	101
	580	285	5.89	480	9.92	960	20.4	1644	35.4	3246	69.9
	400	288	4.11	490	6.98	978	14.4	1672	24.8	3317	49.3
	300	291	3.11	495	5.29	990	10.9	1701	18.9	3372	37.6
	200	294	2.10	501	3.57	1005	7.38	1733	12.9	3449	25.6
	100	300	1.07	510	1.82	1038	3.82	1777	6.60	3537	13.1
	10	308	0.110	527	0.188	1076	0.40	1865	0.69	3713	1.4
	4:1	1450	241	9.35	434	13.8	850	34.3	1452	58.7	2798
1150		246	7.54	441	13.5	865	27.7	1483	47.5	2892	92.6
870		249	5.78	448	10.4	884	21.4	1518	36.8	2978	72.2
580		254	3.93	456	7.07	902	14.6	1562	25.2	3084	49.8
400		257	2.74	456	4.97	919	10.2	1588	17.7	3151	35.1
300		259	2.08	470	3.77	930	7.8	1616	13.5	3204	26.8
200		262	1.40	476	2.54	944	5.3	1646	9.17	3276	18.2
100		267	0.71	485	1.30	976	2.7	1688	4.70	3360	9.36
10		275	0.07	501	0.13	1011	0.3	1772	0.49	3527	0.98
5:1		1450	136	4.21	296	9.18	814	26.3	1391	44.9	2631
	1150	138	3.39	301	7.39	828	21.2	1420	36.4	2771	71.0
	870	140	2.60	305	5.68	847	16.4	1454	28.2	2853	55.3
	580	143	1.77	311	3.86	864	11.2	1496	19.3	2954	38.2
	400	144	1.23	318	2.72	881	7.85	1521	13.6	3018	26.9
	300	146	0.93	321	2.06	891	5.96	1548	10.3	3069	20.5
	200	148	0.63	325	1.39	905	4.03	1577	7.03	3138	14.0
	100	150	0.32	331	0.71	935	2.08	1617	3.60	3218	7.17
	10	155	0.03	342	0.07	969	0.22	1697	0.38	3378	0.75

1. If spNuodun is less than 10rpm, please choose 10rpm.
2. Please contact us, when order the model with gray sign or that input spNuodun is more than 1450rpm.

11、轴配置及轴旋转方向的关系，安装方位及尺寸图表
The relationship between shaft arrangements and direction of shaft rotation,
Mounting position and dimension sheets



T20-T25

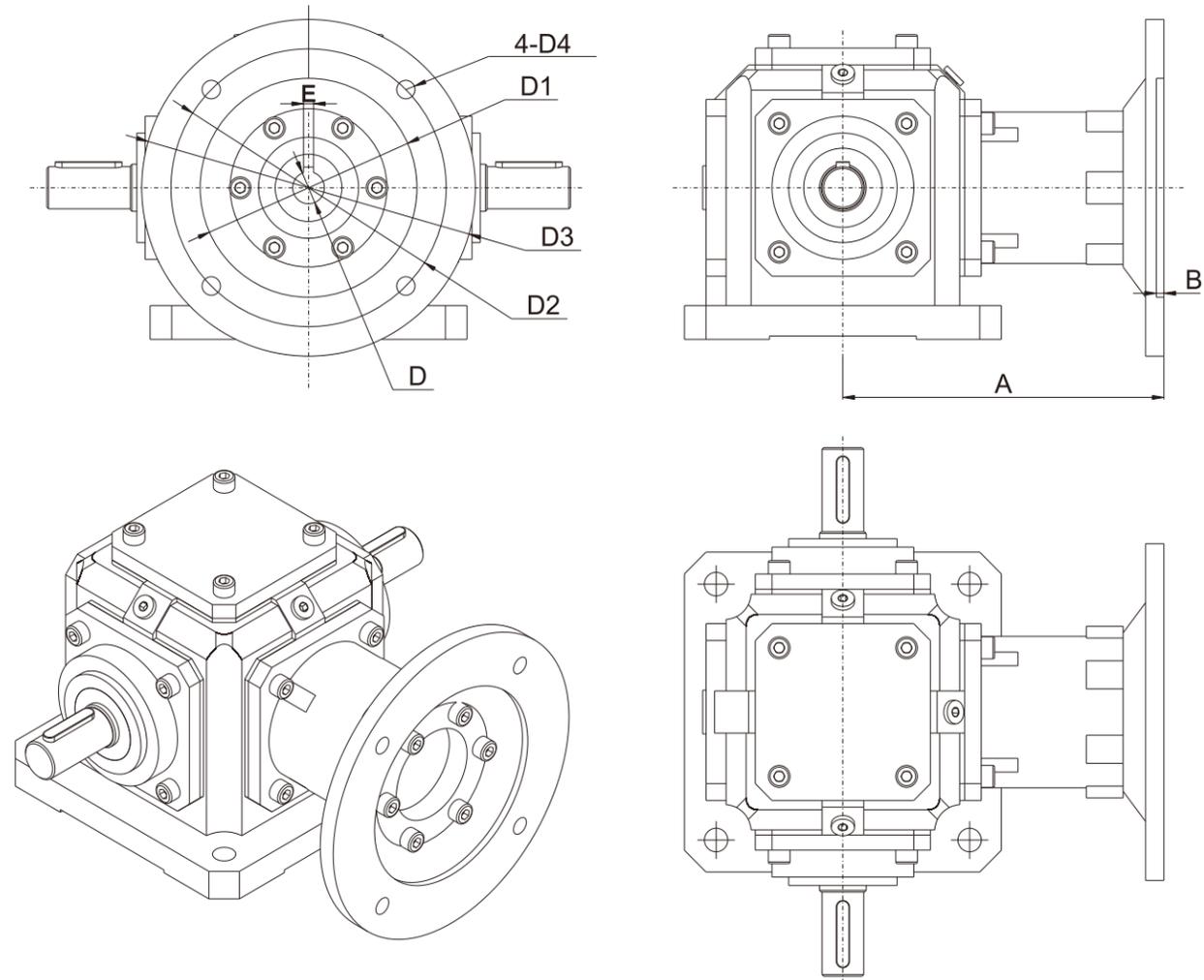


	T2	T4	T6	T7	T8	T10	T12	T16	T20	T25
A1	48	53.5	81	88	110.5	120	130	150	195	235
a	100	155	190	210	235	285	340	390	490	580
a0	84	125	152	174	195	240	290	330	430	520
b	100	155	190	210	235	285	340	390	410	480
b0	84	125	152	174	195	240	290	330	110	130
C	10	17	17	20	23	25	32	40	32	35
D	58	76	115	125	159	155	168	193	220	270
d(h7)	15	19	25	32	40	45	50	60	72	85
E	33	38	50	62	75	90	100	105	105	130
e1(h8) x 深	94 x 3	155 x 5	190 x 5	220 x 5	250 x 85	305 x 5	370 x 5	420 x 7	360 x 10	430 x 10
f	5	2	17	13	18	10	0	10	10	10
h	52	76	90	100	115	140	175	200	245	290
L	124	180	222	265	308	360	415	455	545	660
L1	82	117.5	146	178	210.5	340	270	290	330	400
L2	52	76	87	99	114.5	133	160	186	217	255
L4	114	156	214	226	266	300	350	420	510	600
LAB	/	360	444	530	616	720	830	/	/	/
n	4	4	4	4	4	4	4	4	8	8
r	5	6	8	10	12	14	14	18	20	22
S	9	10.5	14	14	14	16	21	25	21	24
t	17	21.5	28	35	43	48.5	53.5	64	76.5	90

注意：当速比是4:1和5:1时，纵轴尺寸不变，横轴尺寸更改如下：
Note: When ratio is 4:1 and 5:1, dimension of wuput shaft is changeless, but that of input is changed as follow:

	T6	T7	T8	T10	T12	T16	T20	T25
4:1	d(h7)	19	22	28	32	36	50	55
	E	38	50	62	62	75	100	105
	L	210	265	310	362	415	465	560
	L1	134	178	212.5	242	270	300	345
	LAB	420	530	620	724	830	/	/
	r	6	6	8	10	10	14	16
5:1	d(h7)	19	22	28	32	36	42	50
	E	38	50	62	62	75	90	100
	L	210	265	310	362	415	465	555
	L1	134	178	212.5	242	270	300	340
	LAB	420	530	620	724	830	/	/
	r	6	6	8	10	10	12	14
t	21.5	24.5	31	35	39	45	53.5	

DT+IEC电机输入法兰。 DT+IEC motor input flange.



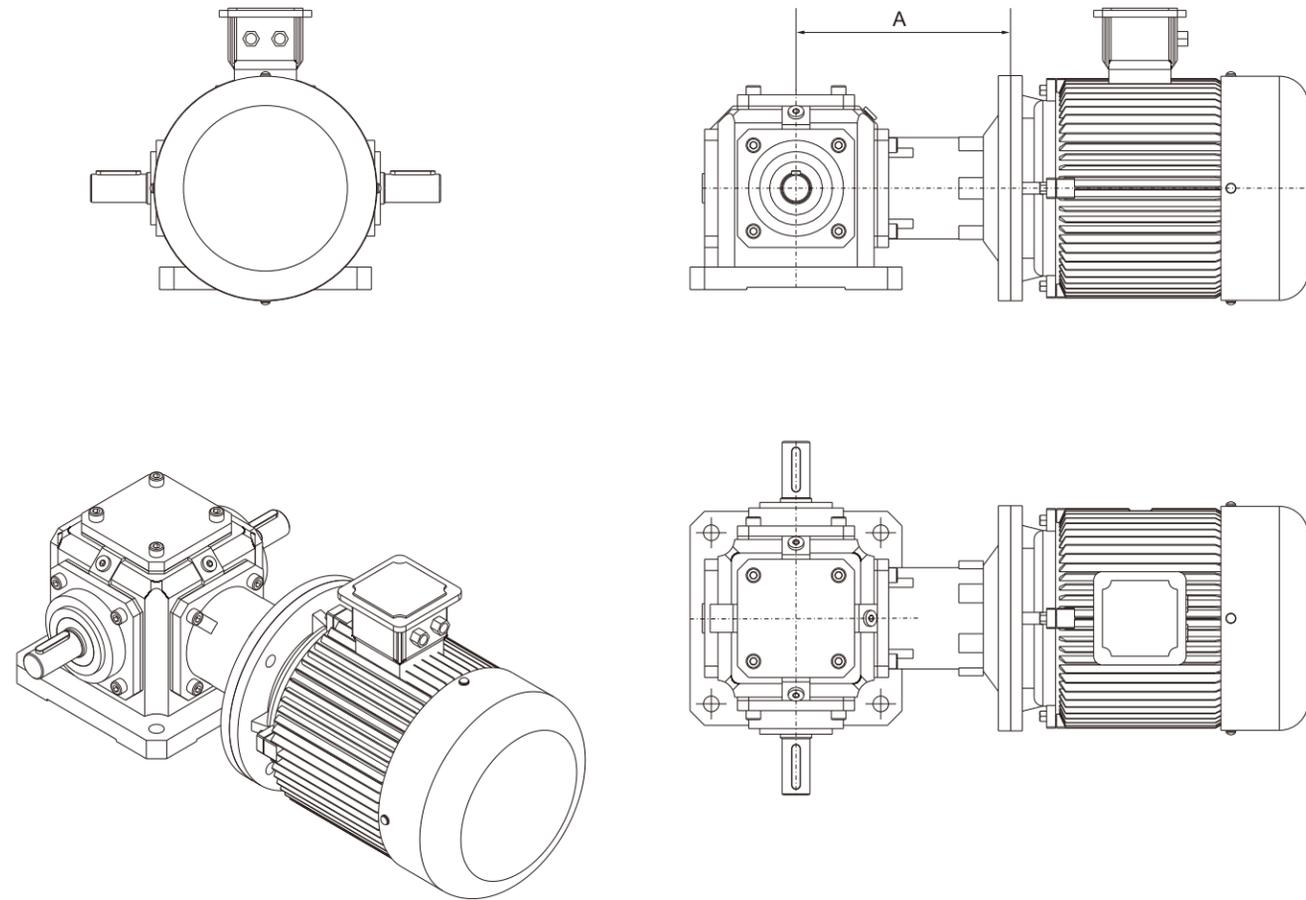
DT4 - 1:1 - LR - O - B3 + 71B5

- | | | | | |
|----------------------|--------------------|-----------------------|-------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 DT4: 系列号 | 2 1:1: 速比 | 3 LR-O: 轴指向 | 4 B3: 安装形式 | 5 71B5: IEC法兰型号 |
| 1 DT4: Serial number | 2 1:1: Speed ratio | 3 LR-O: Axis pointing | 4 B3: Installation form | 5 71B5: IEC flange model |

型号 Model	参数 / Parameter								
	输入 Input	A	B	D	D1	D2	D3	D4	E
DT4	71B5	154	7	14	110	130	160	9	5
	71B14	154	6	14	70	85	105	6.6	5
	80B5	154	7	19	130	165	200	11	6
	80B14	154	4	19	80	100	120	6.6	6
DT6	80B5	192.5	4.5	19	130	165	200	11	6
	80B14	192.5	6	19	80	100	120	6.6	6
	90B5	192.5	4.5	24	130	165	200	11	8
	90B14	192.5	6	24	95	115	140	9	8
DT7	90B5	231	4.5	24	130	165	200	11	8
	90B14	231	6	24	95	115	140	9	8
	100B5	231	6	28	180	215	250	13.5	8
	100B14	231	7	28	110	130	160	9	8
DT8	100B5	273	6	28	180	215	250	13	8
	112B5	273	6	28	180	215	250	13	8
DT10	112B5	307	6	28	180	215	250	13	8
	132B5	307	6	38	230	265	300	13	10

注明 DT+系列模块组合产品，仅仅适用于转向器的速比 i=1 的情况
Note that the DT+ series module combination is only applicable to the case where the steering gear ratio i=1

DT+IEC电机的组合模式 DT+IEC motor combination mode



DT4 - 1:1 - LR - O - B3 + Y0.37KW/4P/B14

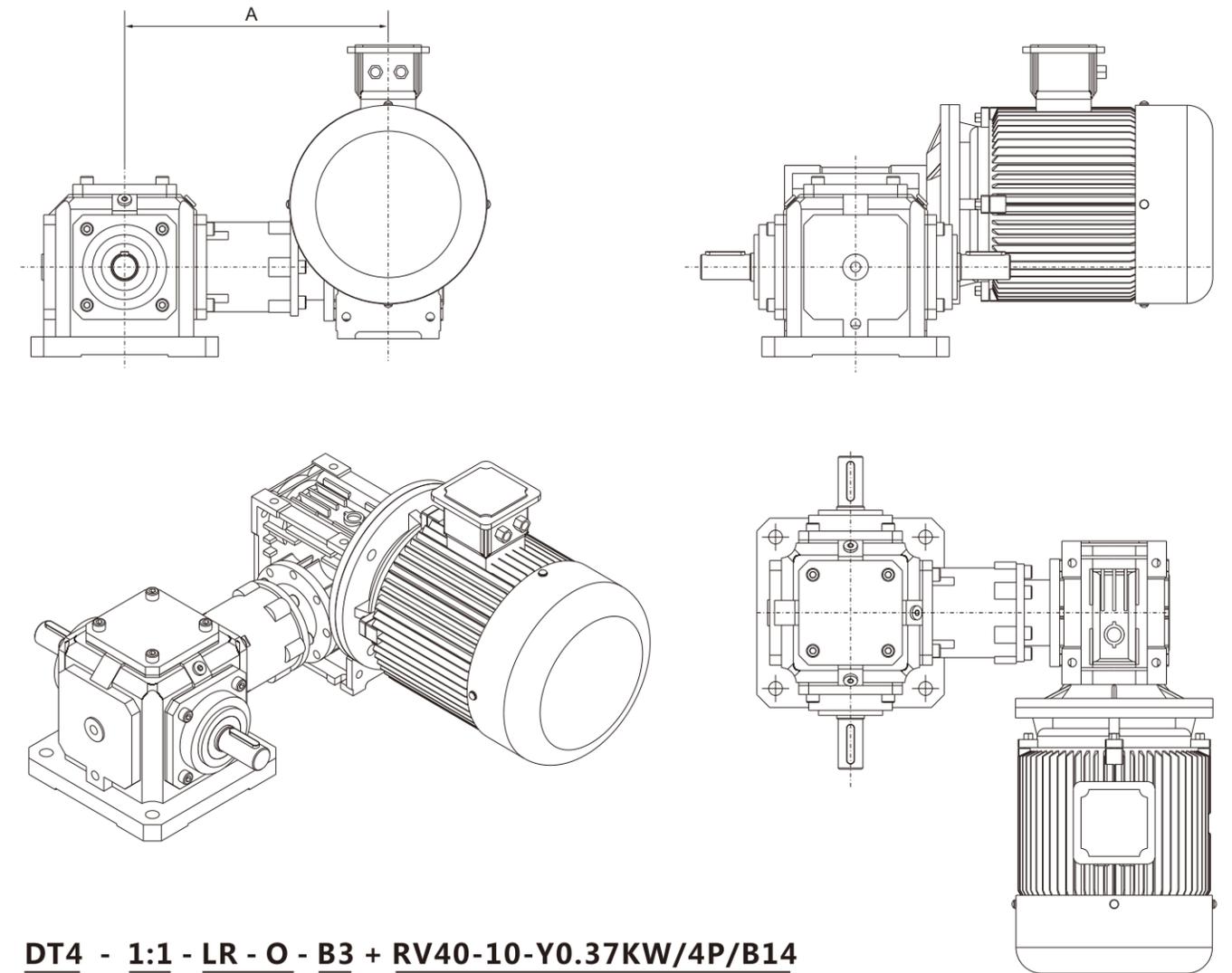
1 2 3 4 5

- | | |
|---------------------------|------------------------------------|
| 1 DT4: 系列号 | 1 DT4: Serial number |
| 2 1:1: 速比 | 2 1:1: Speed ratio |
| 3 LR-O: 轴指向 | 3 LR-O: Axis pointing |
| 4 B3: 安装形式 | 4 B3: Installation form |
| 5 Y0.37KW/4P/B14: IEC法兰型号 | 5 Y0.37KW/4P/B14: IEC flange model |

DT系列型号 DT Series model	+	可选电机功率 (4极电机) Optional motor power (4-pole motor)				A
DT4	+	0.25KW	0.37KW	0.55KW	0.75KW	154
DT6	+	0.55KW	0.75KW	1.1KW	1.5KW	192.5
DT7	+	1.1KW	1.5KW	2.2KW	3KW	231
DT8	+	2.2KW	3KW	4KW		273
DT10	+	3KW	4KW	5.5KW	7.5KW	307

注明 DT+系列模块组合产品, 仅仅适用于转向器的速比 i=1 的场合
Note that the DT+ series module combination is only applicable to the case where the steering gear ratio i=1

DT+RV的模块组合模式 DT+RV module combination mode



DT4 - 1:1 - LR - O - B3 + RV40-10-Y0.37KW/4P/B14

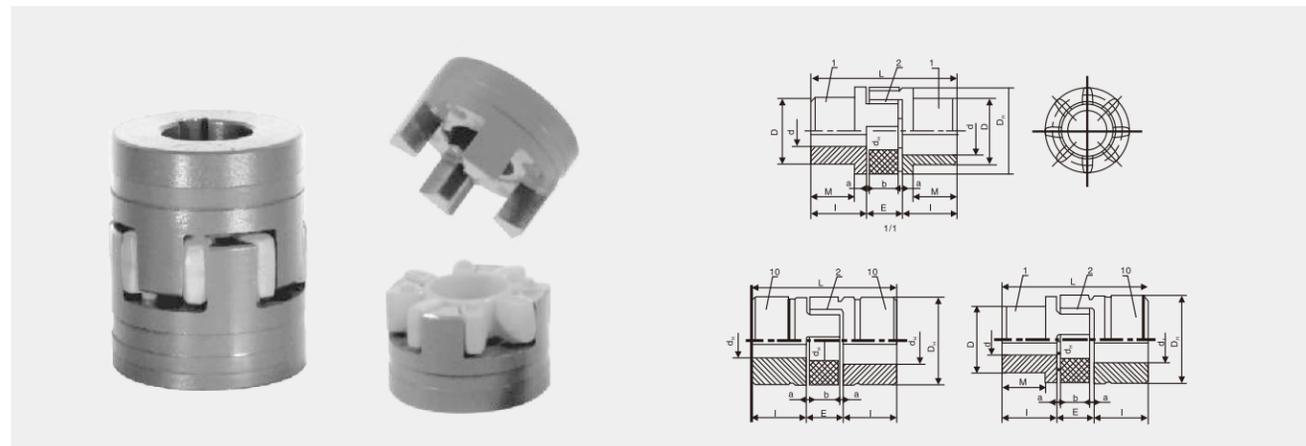
1 2 3 4 5

- | | |
|-----------------------------------|--------------------------------------------|
| 1 DT4: 系列号 | 1 DT4: Serial number |
| 2 1:1: 速比 | 2 1:1: Speed ratio |
| 3 LR-O: 轴指向 | 3 LR-O: Axis pointing |
| 4 B3: 安装形式 | 4 B3: Installation form |
| 5 RV40-10-Y0.37KW/4P/B14: IEC法兰型号 | 5 RV40-10-Y0.37KW/4P/B14: IEC flange model |

DT系列型号 DT Series model	+	RV系列型号 RV Series model	A
DT4	+	RV40	230.5
DT6	+	RV63	264.5
DT7	+	RV75	346
DT8	+	RV90	398
DT10	+	RV90	432

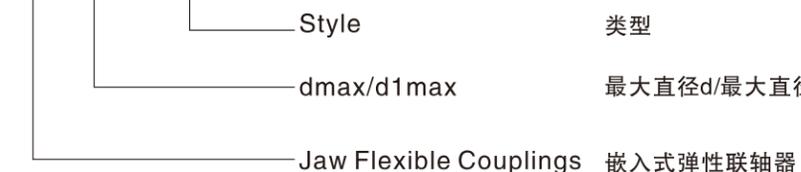
注明 DT+系列模块组合产品, 仅仅适用于转向器的速比 i=1 的场合
Note that the DT+ series module combination is only applicable to the case where the steering gear ratio i=1

FL嵌入型弹性联轴器 FL Jaw Flexible Couplings



型号解释 Type & Expressions

FL 9/24 (1a/1a)



描述 Summary

- 1.适用于各种机械和水力领域。
Applicable to all types of machinery and hydraulics.
- 2.噪音低, 传递扭力大。
Small volume and large transmitted torque.
- 3.轴向嵌入,易于装配, 免维护。
To be plugged in axially,easy assembly,maintenance-free.
- 4.轴向平衡,径向成角不重合。
Balancing axiad, radial and angular misalignment.
- 5.d,d1尺寸可根据客户要求定做。
Dimensions of bore d,d1 available on customer request.
- 6.适用温度: -40℃至 +100℃。最高温度120℃
Applicable from -40℃ to +100℃,temperature peaks up to 120℃.

技术参数 Performance parameter

Type 型号	Max speed最大转速 r/min	Rated power额定功率 (n=1500r/min) kW	Rated torque额定扭矩 N.m	Rated torque N.m额定扭矩	Max.torsio angle 最大扭转角度
FL9	FL19/24	28000	0.28	1.8	3.5
FL14	FL24/28	19000	0.62	4.0	8.0
	FL28/38	14000	0.77	4.9	9.7
	FL38/45	10600	2.67	17	34
	FL2/55	8500	7.22	46	92
FL38	FL48/60	7100	14.6	93	185
FL42	FL55/70	6000	20.4	130	260
FL48	FL65/75	5600	23.6	150	300
FL55	FL75/90	4750	28.3	180	360
FL65	FL90/100	4250	32.2	205	410
FL75		3550	74.6	475	950
FI90		2800	184	1175	2350

Type 型号	Style 类型	Prebored 预钻孔	Form 构成				Dimensions(mm) 尺寸(毫米)										Min.Weight 最小重量 (kg)
			1		1a		1	E	S	b	L	M	D _H	D	d _H		
			Min 最小	Min 最小	Min 最小	Max 最大											
铝合金压铸 Aluminium Diecasting(Al-D)																	
FL9	1a/1a				4	9	10	10	1.0	8	30		20		6	0.017	
FI14	1a/1a				4	16	11	13	1.5	10	35		30		10	0.048	
Steel-Noular Iron																	
FL19/24	1a/1a				6	24	25	16	2.0	12	66		40		18	0.328	
FL24/28	1/1a				8	28	30	18	2.0	14	78		55		27	0.660	
FL28/38	1a/1a				10	38	35	20	2.5	15	90		65		30	1.160	
FL38/45	1/1a	11	12	38	38	45	45	24	3	18	114	37	80	66	38	2.27	
FL42/55	1/1a	13	14	42	42	55	50	26	3	20	126	40	95	75	46	3.57	
FL48/60	1/1a	14	15	48	48	60	56	28	3.5	21	140	45	105	85	51	4.80	
FL55/70	1/1a	18	20	55	55	70	65	30	4	22	160	52	120	98	60	7.37	
FL65/75	1/1a	20	22	65	65	75	75	35	4.5	26	185	61	135	115	68	10.89	
FL75/90	1/1a	28	30	75	75	90	85	40	5	30	210	69	160	135	80	17.73	
FL90/100	1/1a	38	40	90	90	100	100	45	5.5	34	245	81	200	160	100	29.6	
FL38	1/1	11	12	38			45	24	3.0	18	114	37	80	66	38	2.080	
FL42	1/1	13	14	42			50	26	3.0	20	126	40	95	75	46	3.210	
FL48	1/1	14	15	48			56	28	3.5	21	140	45	105	85	51	4.410	
FI55	1/1	18	20	55			65	30	4.0	22	160	52	120	98	60	6.640	
FL65	1/1	20	22	65			75	35	4.5	26	185	61	135	115	68	10.130	
FL75	1/1	28	30	75			85	40	5.0	30	210	69	160	135	80	16.030	
FI90	1/1	38	40	90			100	45	5.5	34	245	81	200	160	100	27.50	

