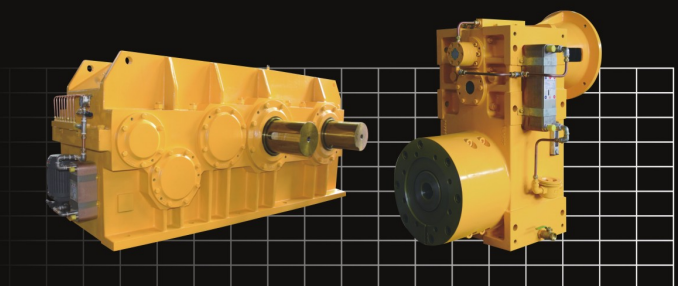


TRANSCYKO®

橡胶专用齿轮箱 Gearbox For Rubber Machine



TRANSCYKO®

蘇州廠

傳仕重工（蘇州）有限公司
TRANSTEC HEAVY INDUSTRY (SUZHOU) CO., LTD.

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TRANSCYKO®

臺灣廠

傳仕精密機械股份有限公司
TRANSMISSION MACHINERY CO.,LTD. (TAIWAN)

地址：臺南市善化區小新里土宏新村1-6號
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NO. TRANSCYKO-2015-04-Rubber

Transtec Heavy Industry Co.,Ltd.
Transmission Machinery Co.,Ltd.



公司简介

传仕精密股份有限公司创立于1982年，是一家专注于减速机研发与制造的专业生产厂商。优良的质量及快速反应的售服，赢得诸多客户的好评。

传仕以客户为中心，质量为生命。不断地创新及不懈的奋斗，铸成公司极具生命力的文化，公司开发了摆线针轮，行星减速及硬齿面齿轮箱。广泛应用于钢铁行业，化工行业，橡塑胶行业，冷却水塔行业及机械行业等。近几年已成功研发并生产RV减速机，应用于机器人及工程车辆的领域。

传仕研发的不断创新、精密的加工中心、精良的测试仪器、优秀的销售团队为您提供性能优越、品质最佳的机械产品。

传仕根据市场需求，研发并制造出TEX系列单螺杆挤出机专用齿轮箱、TIN系列注塑机、炼胶机专用齿轮箱，更好的服务于橡塑胶机械工业。

Company profile

Transmission Machinery Co., Ltd. was founded on 1982, which is a professional manufacturer focuses on the R&D and produce speed reducer and geared motor. With excellent quality and best services, Transcyko wined good reputation from all our customers.

Transcyko based on customer-focused, quality as the life, with continuous innovation and unremitting struggle, which cast into the most vitality company culture. Transcyko developed cycloidal speed reducer, planetary gearbox and hardened face gear box which Widely used in the industry of iron and steel, chemical, rubber, cooling tower and machinery etc. And in recent years we have successfully developed and produced RV reducer which used in the field of robot and engineering vehicle.

With the innovative research and development, precision machining centers, refined testing equipment and excellent sales team, Transcyko will provide you with superior performance, best quality mechanical products.

According to market demand, TRANSCYKO develops and manufactures special units such as: single screw extruder gearbox TEX series, TIN series injection molding machine, Gearbox for Internal Mixer and open mill, which will be better serve the industry of rubber and plastic machinery.

单螺杆挤出机专用齿轮箱 TEX 系列 TEX Torque Multipliers For Single Screw Extruders

1. 确保更佳状态

传仕公司将齿轮箱的各项参数（模数、齿数、压力角、斜齿角度、齿的宽度...等）设计革新，推出了可发挥更佳效率的产品TEX型齿轮箱。

由于在研发与制造过程中，采用最好的设备，这些新的平行轴齿轮箱可于低噪音标准下，承受更高的输入转速及传输更大的扭矩，效率更高。

2. 提供许多不同解决方案

TEX系列齿轮箱，二段减速设计其适用减速比最大可达到25，三段减速设计其适用的减速比范围更广，可从6.3到100。

此外，若挤出机台需为紧密精巧的U型设计时，因TEX-P3的输入轴及出力轴之间距较大，可以用来取代TEX-P2以解决马达与料管碰撞的问题。

外箱

齿轮箱的外箱材质为灰口铸铁FC250或球墨铸铁FCD450或钢制箱体。

齿轮

齿轮是斜齿设计，材质为20NiCrMo或18NiCrMo7。它的外型是根据DIN6（或以上）品质标准，以确保最低噪音和高效率。

1. Ensure higher performances

Optimising the parameters typical for the gears (module, number of teeth, pressure angle, helical angle, tooth width,, TRANSCYKO has realized a product characterized by top performances. Due to particular devices adopted during studying and manufacturing, the new helical gearboxes are able to transmit high torque related to their size and to accept very high input speeds, with low noise level and excellent efficiency.

2. offer many different solutions

The gearboxes of the TEX series featured by two gear-pairs and suitable for a maximum gear ratio of 25. These gearboxes, including 3 gear-sets, offer a wide range of gear ratios: from 6.3 to 100.

Moreover, with a larger centre distance between input and output shafts, they can be used instead of the TEX-P2 gearboxes in order to avoid any interference between the electric motor and the barrel when very compact extruders with the characteristic U form shall be realised.

Casing

The casing of the gearboxes is made of grey cast-iron FC250 or ductile cast iron FCD450 or welded steel.

Gears

The gears are made of case-steel type 20NiCrMo or 18NiCrMo7 and have a helical toothing. The profile is ground to DIN6 quality so to ensure the lowest noise level and an efficient use.

TRANSCYKO[®] TEX
技术特点
Technical Features

轴承

此系统的齿轮箱采用的是世界第一流品牌的轴承。

止推轴承

承受螺杆轴向负载止推轴为 294..E 型。

与挤出机螺杆之连接

可依据客户要求订制挤出机螺杆连接的部分，从标准单键，或是 180°双键槽或 UNI-ISO-DIN 标准之花键。任何与螺杆料管连接之问题，请与我们的技术部门联系。

使用系数

此目录上所显示的传输功率是依据使用系数 =1 为基本考量，为选择最适当之齿轮箱，我们建议选择使用系数在 ≥ 1.5 以上的齿轮箱型号。

Bearings

The system provides large bearings of firstclass brands.

Thrust bearings

The bearings for the axial load of the extruder screw are of the 294..E series.

Extruder screw connection

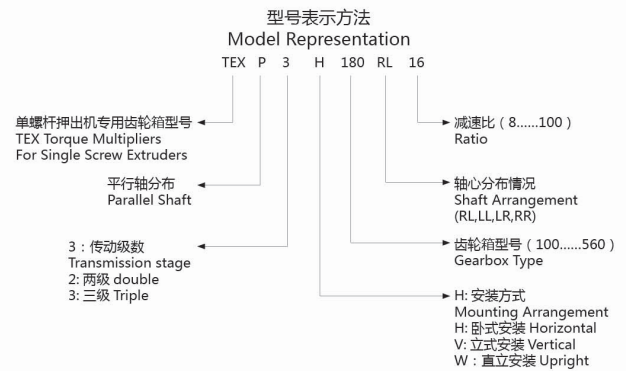
On request,the extruder screw connection can be customized, by making other dimensions as the standard ones, either with 2 key-seats at 180° or splines according to UNI, ISO or DIN standards.

Do not hesitate to contact our Technical Dept. for any further information you may need.

SERVICE FACTOR

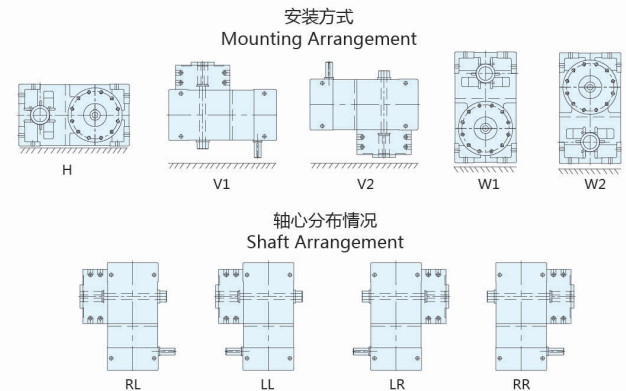
The transmittable power rates shown in this catalogue have been calculated considering a service factor=1(AGMA).For a correct dimensioning of the gearbox, we suggest when selecting the gearbox type-to assume a service factor ≥ 1.5.

TRANSCYKO[®] TEX
型号表示方法
Example of TEX Gearbox



Recommended oil types 润滑油建议表

Type of lubricant 润滑油种类	Application 用途	Lubricant 润滑油				
		OIL 油品		AMBIENT TEMPERATURE 适用室温		
Mineral oil 矿物油	Reduction gearboxes 减速齿轮箱	ISO VG 220EP	-15°C ~ +15°C			
		ISO VG 320EP	+10°C ~ +40°C			
		Corresponding Lubricants 可替代之同等级润滑油				
		Type	Brand-name	Type	Brand-name	
	MELLANA OIL BLASIA	IP AGIP	MOBIL GEAR 600XP OMALA EP	MOBIL SHELL		



请注意： 齿轮箱若没有特别指明时，安装方式为 W1。
IMPORTANT: The gearboxes, if not specified differently, will be supplied mounting position W1.

TRANSCYKO[®]TEX
TEX-P2 马力及额定扭矩表
TEX-P2 Powers(KW) & Nominal Torque

i	Gr./Size		100			112			125			140			160		
	n1	n2	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt
	giri	giri	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW
6.3	2000	317	-	-	-	1676	55	22	2283	81	27	3185	111	34	4508	155	45
	1450	230	-	-	-	1733	41	22	2356	60	27	3277	82	34	4663	115	45
	1000	159	-	-	-	1733	28.3	22	2356	41.4	27	3287	56.6	34	4663	79.3	45
	700	111	-	-	-	1733	19.8	22	2356	29	27	3287	39.6	34	4663	55.5	45
8	2000	250	1411	36	16	2099	55	22	2901	81	27	4059	111	34	5673	155	45
	1450	181	1475	27	16	2158	41	22	2960	60	27	4138	82	34	5801	115	45
	1000	125	1505	19	16	2158	28.3	22	2960	41.4	27	4138	56.6	34	5801	79.3	45
	700	87	1475	13	16	2158	19.8	22	2970	29	27	4138	39.6	34	5801	55.5	45
10	2000	200	1445	29.5	16	2237	47	22	3109	65	27	4495	100	34	6257	136	45
	1450	145	1495	22	16	2267	34.6	22	3168	48	27	4574	73.7	34	6415	101	45
	1000	100	1544	15	16	2277	23.9	22	3168	33.1	27	4564	50.8	34	6415	69.7	45
	700	70	1554	11	16	2267	16.7	22	3168	23.2	27	4574	35.6	34	6415	48.8	45
12.5	2000	160	1376	24	16	2267	40	22	3178	56	27	4495	78	34	6395	108	45
	1450	116	1129	18	16	2317	29.7	22	3257	41.6	27	4604	58	34	6534	80	45
	1000	80	1465	13	16	2317	20.5	22	3257	28.7	27	4604	40	34	6534	55.2	45
	700	56	1475	9	16	2317	14.3	22	3257	20.1	27	4604	28	34	6524	38.6	45
16	2000	125	1475	20	16	2287	31	22	3119	42	27	4277	56	34	6445	90	45
	1450	91	1535	15	16	2297	22.6	22	3208	31.4	27	4386	41.6	34	6564	66.4	45
	1000	62	1594	11	16	2297	15.6	22	3218	21.7	27	4386	28.7	34	6564	45.8	45
	700	44	1604	7	16	2297	10.9	22	3218	15.2	27	4386	20.1	34	6564	32.1	45
20	2000	100	1396	15	16	2079	22	22	3069	34	27	4415	49	34	6326	69	45
	1450	72	1465	11	16	2138	16.4	22	3148	25.3	27	4475	36	34	6425	50.8	45
	1000	50	1485	8	16	2129	11.3	22	3148	17.4	27	4465	24.8	34	6425	35	45
	700	35	1495	6	16	2129	7.9	22	3148	12.2	27	4475	17.4	34	6425	24.5	45
25	2000	80	129	10.7	16	2089	18	22	2861	24	27	4079	35	34	5693	47	45
	1450	58	1396	8	16	2079	13	22	2861	17	27	4128	25.7	34	5841	35	45
	1000	40	1436	6	16	2089	9	22	2861	12	27	4128	17.7	34	5831	24.1	45
	700	28	1445	4	16	2089	6.3	22	2861	8.4	27	4128	12.4	34	5841	16.9	45

ATTENTION:
 * Maximum input power at ambient temperature of 30°C. If a higher input power is required, please ask for forced cooling.
 The indicated PN is the nominal power calculated with factor SF(AGMA)=1. To calculate the maximum transmittable power please consider service factor SF(AGMA) ≥ 1.5. For input speeds higher than 2000 rpm please consult us.

请注意:
 * 在室温 30°C 时所能承受的最大热功率, 若热功率需求大于表列数据, 必须采用强制冷却系统。
 上述 PN (额定马力) 的计算方式是在额定转速下, 安全系数为 1 做考量, 计算最大传输马力时请以安全系数 1.5 做为考量, 若输入转速高于 2000 转时, 请与本公司联络。

TRANSCYKO[®]TEX
TEX-P2 马力及额定扭矩表
TEX-P2 Powers(KW) & Nominal Torque

i	Gr./Size		180			200			225			250			280		
	n1	n2	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt
	giri	giri	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW
6.3	2000	317	6252	216	58	8732	311	73	12858	432	90	16758	595	112	24069	838	139
	1450	230	6445	160	58	8969	230	73	13276	320	90	17266	440	112	24809	620	139
	1000	159	6425	110	58	8969	158.6	73	13276	220.7	90	17266	303.4	112	24809	429.6	139
	700	111	6445	77.2	58	8969	111	73	13276	154.5	90	17266	212.4	112	24809	299.3	139
8	2000	250	7940	216	58	11088	311	73	16157	432	90	21305	595	112	30641	838	139
	1450	181	8108	160	58	11306	230	73	16503	320	90	21731	440	112	31274	620	139
	1000	125	8088	110	58	11306	158.6	73	16503	220.7	90	21731	303.4	112	31274	427.6	139
	700	87	8108	77.2	58	11306	111	73	16503	154.5	90	21731	212.4	112	31264	299.3	139
10	2000	200	9068	197	58	12088	253	73	16988	364	90	23057	482	112	34036	757	139
	1450	145	9266	146	58	12326	187	73	17315	269	90	23562	357	112	34729	560	139
	1000	100	9276	100.7	58	12326	129	73	17315	185.5	90	23562	246.2	112	34729	386.2	139
	700	70	9390	70.5	58	12326	90.3	73	17325	129.9	90	23562	172.3	112	34729	270.3	139
12.5	2000	160	9177	153	58	12128	205	73	16444	282	90	23552	419	112	34373	597	139
	1450	116	9356	113	58	12405	152	73	16810	209	90	23750	310	112	35105	442	139
	1000	80	9346	77.9	58	12405	104.8	73	16790	144	90	24235	213.8	112	35096	304.8	139
	700	56	9356	54.6	58	12405	73.4	73	16810	100.9	90	24245	149.7	112	35105	313.4	139
16	2000	125	8623	112	58	12335	166	73	17256	238	90	23582	318	112	34106	453	139
	1450	91	8781	82.7	58	12563	122.6	73	17592	176	90	24037	235	112	34789	335	139
	1000	62	8771	57	58	12573	84.6	73	17602	121.4	90	24047	162.1	112	34779	231	139
	700	44	8771	39.9	58	12573	59.2	73	17602	85	90	24027	113.4	112	34779	161.7	139
20	2000	100	8930	97	58	12088	129	73	16899	189	90	23037	255	112	33492	372	139
	1450	72	9098	71.7	58	12355	95.6	73	17266	140	90	23552	189	112	34145	275	139
	1000	50	9088	49.4	58	12345	65.9	73	17276	96.6	90	23542	130.3	112	34155	189.7	139
	700	35	9098	34.6	58	12365	46.2	73	17266	67.6	90	23542	91.2	112	34155	132.8	139
25	2000	80	8029	70	58	11415	102	73	15632	135	90	20978	176	112	30561	257	139
	1450	58	8177	51.7	58	11633	75.3	73	15929	99.7	90	21453	130.5	112	31165	190	139
	1000	40	8187	35.7	58	11623	51.9	73	15939	68.8	90	21453	90	112	31155	131	139
	700	28	8197	25	58	11642	36.4	73	15919	48.1	90	21453	63	112	31155	91.7	139

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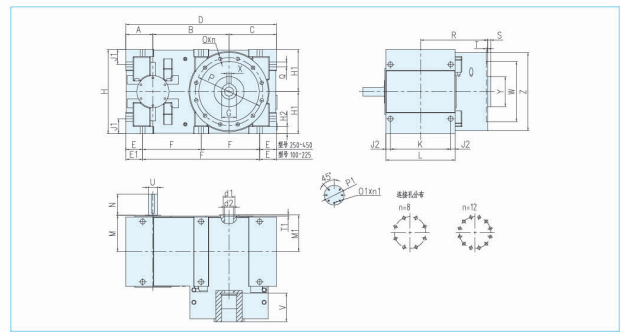
TRANSCYKO[®]TEX
TEX-P2 马力及额定扭矩表
TEX-P2 Powers(KW) & Nominal Torque

i	Gr./Size			320			360			400			450			500			
	n1	n2	Pt	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt	MN	PN	Pt	
	giri	giri	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW	Nm	kW	kW	Nm	kW
6.3	2000	317	34202	11760	171	48863	1689	207	68541	2365	261	98386	3379	325	148465	4799	410		
	1450	230	35254	870	171	50381	150	207	70666	1750	261	101427	2500	325	153029	3550	410		
	1000	159	35254	600	171	50381	862	207	70617	1206	261	101420	1724	325	153011	2448	410		
	700	111	35254	420	171	50381	603	207	70597	844	261	101436	1207	325	153047	1714	410		
8	2000	250	43897	11760	171	62063	1689	207	85823	2365	261	126570	3379	325	186124	4799	410		
	1450	181	44788	870	171	63350	150	207	87595	1750	261	129165	2500	325	189908	3550	410		
	1000	125	44788	600	171	63350	862	207	87526	1206	261	129154	1724	325	189866	2448	410		
	700	87	44788	420	171	63301	603	207	87506	844	261	129176	1207	325	189931	1714	410		
10	2000	200	48758	1059	171	70488	1531	207	96594	2085	261	138893	3027	325	202727	4376	410		
	1450	145	49787	784	171	71943	1133	207	98594	1543	261	142341	2239	325	206843	3237	410		
	1000	100	49787	540,7	171	71943	781,4	207	98584	1094	261	142328	1544	325	206804	2232	410		
	700	70	49787	378,5	171	71953	547	207	98475	744	261	142354	1081	325	206883	1563	410		
12.5	2000	160	49361	834	171	68825	1238	207	97880	1645	261	141301	2387	325	197116	3408	410		
	1450	116	50371	617	171	70241	916	207	99980	1217	261	144194	1766	325	201121	2521	410		
	1000	80	50371	425,5	171	70231	631,7	207	99650	839	261	144201	1218	325	201165	1739	410		
	700	56	50381	297,9	171	70241	442,2	207	99601	587	261	144270	853	325	201116	1217	410		
16	2000	125	49629	693	171	68657	973	207	98584	1368	261	139960	1798	325	195722	2586	410		
	1450	91	50688	513	171	70072	720	207	100694	1012	261	142800	1330	325	199705	1913	410		
	1000	62	50678	353,8	171	70082	496,6	207	100455	697	261	142762	917	325	199657	1319	410		
	700	44	50678	247,7	171	70072	347,6	207	100475	488	261	142785	642	325	199809	924	410		
20	2000	100	49045	519	171	69280	753	207	96990	1061	261	137457	1418	325	181494	1844	410		
	1450	72	50054	384	171	70686	557	207	98980	785	261	140257	1049	325	185173	1364	410		
	1000	50	50054	264,8	171	70686	384	207	98911	541	261	140170	723	325	185234	941	410		
	700	35	50064	185,4	171	70686	268,9	207	98990	379	261	140142	506	325	185037	658	410		
25	2000	80	46253	409	171	65617	572	207	93595	836	261	125745	1064	325	175874	1446	410		
	1450	58	47263	303	171	66934	423	207	95585	619	261	128288	787	325	179507	1070	410		
	1000	40	47273	209	171	66924	291,7	207	95387	426	261	128345	543	325	179524	738	410		
	700	28	47273	146,3	171	66924	204,2	207	95327	298	261	128311	380	325	179662	517	410		

ATTENTION:
 * Maximum input power at ambient temperature of 30°C. If a higher input power is required, please ask for forced cooling.
 The indicated PN is the nominal power calculated with factor SF(AGMA)=1. To calculate the maximum transmittable power please consider service factor SF(AGMA) ≥ 1.5. For input speeds higher than 2000 rpm please consult us.

请注意:
 * 在室温 30°C 时所能承受的最大热功率, 若热功率需求大于表列数据, 必须采用强制冷却系统。
 上述 PN (额定马力) 的计算方式是在额定转速下, 安全系数为 1 做考量, 计算最大传输马力时请以安全系数 1.5 做为考量, 若入力转速高于 2000 转时, 请与本公司联络。

TRANSCYKO[®]TEX
TEX-P2 齿轮箱外观尺寸表
TEX-P2 Overall Dimensions



Size/ 型号	A	B	C	D	d1	E	E1	F	G	H	H1	H2	J1	J2	M	P	P1	S	T1	V	
100	63	180	112	355	20	18	40	40	275	28	200	100	15	40	12	85	160	30	8	8	70
112	80	202	125	407	22	19	45	55	307	32	224	112	16	42	18	106	170	35	8	8	90
125	90	225	140	455	24	20	50	60	345	38	250	125	17	45	17	114	205	42	8	8	100
140	100	252	160	512	26	21	55	66	390	42	280	140	18	48	18	125	230	45	8	10	110
160	112	285	180	577	28	22	60	72	435	46	320	160	20	50	20	142	260	50	10	10	130
180	125	320	200	645	30	23	65	78	480	50	360	180	22	52	22	158	300	55	10	10	140
200	140	360	225	725	32	24	70	84	525	54	400	200	24	54	24	176	330	60	10	10	150
225	160	405	250	795	34	25	75	90	570	57	450	225	26	56	26	192	350	65	10	10	160
250	180	450	280	890	36	26	80	96	615	60	500	250	28	58	28	216	400	70	10	10	170
280	180	505	315	1000	38	27	85	102	660	64	550	280	30	60	30	242	450	75	10	10	190
320	200	570	355	1125	40	28	90	108	720	68	600	315	32	62	32	273	500	80	10	10	200
360	225	640	400	1265	42	29	95	114	780	72	660	355	34	64	34	302	600	85	10	10	210
400	250	720	450	1420	44	30	100	120	840	76	720	400	36	66	36	340	680	90	10	10	220
450	280	810	500	1580	46	31	105	126	900	80	780	450	38	68	38	380	760	95	10	10	240

Size/ 型号	K	L	M1	N	n	n1	O	O1	Q	R	T	U	W	X	Y	Z	Thrust Bearing Weight/ kg	Oil/kg	
100	140	164	85	50	8	6	M12	M4	12	170	5	22	140	8	60	180	29412E	58	3
112	160	196	106	56	8	6	M12	M5	14	180	5	24	150	10	70	200	29412E	80	4
125	180	214	113	63	8	6	M12	M6	16	205	5	28	180	10	80	230	29415E	112	5
140	200	238	124	70	8	6	M12	M6	18	230	5	32	200	12	90	260	29417E	154	6,5
160	225	268	140	80	8	6	M16	M8	20	260	6	35	230	14	110	300	29420E	216	9
180	250	296	157	90	8	6	M20	M10	22	290	6	40	260	16	140	350	29424E	320	13
200	280	330	180	100	8	6	M20	M10	24	320	6	45	290	20	160	380	29428E	460	17
225	315	360	193	112	12	6	M20	M10	27	355	6	50	310	22	170	400	29430E	590	22
250	355	407	217	125	12	6	M24	M10	30	405	8	55	365	25	190	450	29434E	850	31
280	400	460	245	140	12	8	M24	M10	33	445	8	60	400	28	200	520	29438E	1250	41
320	450	520	275	160	12	8	M24	M12	36	490	8	70	450	28	210	600	29440E	1750	100
360	500	580	307	180	12	8	M30	M12	39	560	10	80	520	32	280	680	29452E	2550	100
400	560	650	345	200	12	8	M36	M16	42	640	10	90	600	36	300	750	29456E	3600	120
450	630	740	397	225	16	8	M36	M16	44	720	12	100	700	40	350	870	29468E	5200	200

ATTENTION: the weights have to be considered as a guideline and may vary according to the reduction ratio and the accessories required.
 The oil quantity refers to gearboxes in W1 mounting position and with splash lubrication. The quantity varies according to the mounting position and decreases if the lubrication is of the forced type when a pump or a motor-driven pump is used.

请注意: 上述重量为参考数据, 会因为减速比和其他所需配备之不同而改变。
 本系列之油容量之规格为 W1 座地方向与溅式润滑系统为基准, 其他座地方向所需之油量可依方向之不同而改变, 也可因强制润滑使用泵浦或马达泵浦而减少。

TRANSCYKO[®]TEX
TEX-P3 马力及额定扭矩表
TEX-P3 Powers(KW) & Nominal Torque

n1 rpm	112												125											
	i	n2 rpm	MN Nm	PN KW	Pt KW	i	n2 rpm	MN Nm	PN KW	Pt KW	i	n2 rpm	MN Nm	PN KW	Pt KW	i	n2 rpm	MN Nm	PN KW	Pt KW				
2000		317	1764	63.2	12		63	2225	16.1	12		317	2156	78	16		63	3116	22.6	16				
1450	6.3	230	1832	47	12	31.5	46	2297	12	12	6.3	230	2228	58	16	31.5	46	3227	16.8	16				
100		159	1832	32.4	12		32	2307	8.3	12		159	2228	40	16		32	3227	11.6	16				
700		111	1832	22.7	12		22	2307	5.8	12		111	2228	28	16		22	3178	8	16				
2000		317	1764	63.2	12		50	2099	11.4	12		250	2881	78	16		50	3138	17.6	16				
1450	8	230	1832	47	12	40	36	2158	8.5	12	8	181	2960	58	16	40	36	3227	13.1	16				
100		159	1832	32.4	12		25	2168	5.9	12		125	2960	40	16		25	3218	9	16				
700		111	1832	22.7	12		17.5	2148	4.1	12		87	2960	28	16		17.5	3218	6.3	16				
2000		250	2129	60.5	12		40	2129	9.3	12		200	3148	70.7	16		40	3148	14.6	16				
1450	10	181	2178	45	12	50	29	2178	6.9	12	10	145	3227	52.6	16	50	29	3247	10.9	16				
100		125	2178	31	12		20	2198	4.8	12		100	3237	36.3	16		20	3237	7.5	16				
700		87	2178	21.7	12		14	2158	3.3	12		70	3237	25.4	16		14	297	5.3	16				
2000		200	2188	49.4	12		32	2218	8.9	12		160	3128	56.9	16		32	3020	10.6	16				
1450	12.5	145	2237	36.7	12	63	23	2277	6.6	12	12.5	116	3208	42.3	16	63	23	3099	7.9	16				
100		100	2237	25.3	12		16	2307	4.6	12		80	3208	29.2	16		16	3069	5.4	16				
700		70	2237	17.7	12		11	2287	3.2	12		56	3208	20.4	16		11	3089	3.8	16				
2000		160	2198	40.1	12		25	2099	5.9	12		125	3168	44.4	16		25	3039	8.2	16				
1450	16	116	2257	29.8	12	80	18	2158	4.4	12	16	91	3247	33	16	80	18	3119	6.1	16				
100		80	2257	20.6	12		12.5	2129	3	12		62	3247	22.8	16		12.5	3109	4.2	16				
700		56	2257	14.4	12		8.7	2129	2.1	12		44	3237	15.9	16		8.7	3069	2.9	16				
2000		125	2188	30.7	12		20	2039	4.7	12		100	3208	36.3	16		20	2911	6.4	16				
1450	20	91	2247	22.8	12	100	14.5	2089	3.5	12	20	72	3297	27	16	100	14.5	3010	4.8	16				
100		62	2237	15.7	12		10	2079	2.4	12		50	3287	18.6	16		10	3000	3.3	16				
700		44	2247	11	12		7	2109	1.7	12		35	3287	13	16		7	2990	2.3	16				
2000		100	2178	24.2	12							80	3059	27.1	16									
1450	25	72	2237	18	12							58	3138	20.2	16									
100		50	2237	12.4	12							40	3138	13.9	16									
700		35	2237	8.7	12							28	3158	9.8	16									

ATTENTION:
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 • 在室温 30°C 时所能承受的最大热功率, 若热功率需求大于表列数据, 必须采用强制冷却系统。
 上述 PN (额定马力) 的计算方式是在额定转速下, 安全系数为 1 做考量, 计算最大传输马力时请以安全系数 1.5 做为考量, 若输入转速高于 2000 转时, 请与本公司联络。

TRANSCYKO[®]TEX
TEX-P3 马力及额定扭矩表
TEX-P3 Powers(KW) & Nominal Torque

n1 rpm	140												160											
	i	n2 rpm	MN Nm	PN KW	Pt KW	i	n2 rpm	MN Nm	PN KW	Pt KW	i	n2 rpm	MN Nm	PN KW	Pt KW	i	n2 rpm	MN Nm	PN KW	Pt KW				
2000		317	3097	107	22		63	4322	30.2	22		317	3891	141	30		63	6243	45.3	30				
1450	6.3	230	3218	80	22	31.5	46	4485	22.5	22	6.3	230	4039	105	30	31.5	46	6465	33.7	30				
100		159	3227	55.2	22		32	4475	15.5	22		159	4039	72.4	30		32	6455	23.2	30				
700		111	3218	36.6	22		22	4495	10.9	22		111	4039	50.7	30		22	6475	16.3	30				
2000		250	3851	107	22		50	4406	23.8	22		250	5168	141	30		50	6346	35.5	30				
1450	8	181	3970	80	22	40	36	4514	17.7	22	8	181	5306	105	30	40	36	6514	26.4	30				
100		125	3980	55.2	22		25	4514	12.2	22		125	5306	72.4	30		25	6514	18.2	30				
700		87	3970	36.6	22		17.5	4495	8.5	22		87	5306	50.7	30		17.5	6494	12.7	30				
2000		200	4237	93.4	22		40	4168	19	22		200	6306	141	30		40	6376	27.8	30				
1450	10	145	4346	69.5	22	50	29	4297	14.2	22	10	145	6485	105	30	50	29	6554	20.7	30				
100		100	4346	47.9	22		20	4307	9.8	22		100	6485	72.4	30		20	6564	14.3	30				
700		70	4356	33.6	22		14	4326	6.9	22		70	6485	50.7	30		14	6554	10	30				
2000		160	4326	80	22		32	4227	15	22		160	6148	113	30		32	6386	23	30				
1450	12.5	116	4465	59.8	22	63	23	4316	11.1	22	12.5	116	6306	84	30	63	23	6554	17.1	30				
100		80	4455	41.2	22		16	4346	7.7	22		80	6306	57.9	30		16	6554	11.8	30				
700		56	4465	28.9	22		11	4346	5.4	22		56	6316	40.8	30		11	6584	8.3	30				
2000		125	4455	64.4	22		25	4227	11.3	22		125	6336	88.3	30		25	6257	17.6	30				
1450	16	91	4574	47.9	22	80	18	4336	8.4	22	16	91	6504	65.7	30	80	18	6425	13.1	30				
100		62	4574	33	22		12.5	4346	5.8	22		62	6494	45.3	30		12.5	6405	9	30				
700		44	4554	23	22		8.7	4386	4.1	22		44	6494	31.7	30		8.7	6405	6.3	30				
2000		100	4485	48.4	22		20	4217	9	22		100	6465	72.6	30		20	6247	13.7	30				
1450	20	72	4604	36	22	100	14.5	4336	6.7	22	20	72	6633	54	30	100	14.5	6415	10.2	30				
100		50	4594	24.8	22		10	4316	4.6	22		50	6623	37.2	30		10	6386	7	30				
700		35	446	17.4	22		7	4287	3.2	22		35	6613	26	30		7	6386	4.9	30				
2000		80	4336	40	22							80	6138	54.2	30									
1450	25	58	4455	29.8	22							58	6287	40.3	30									
100		40	4465	20.6	22							40	6296	27.8	30									
700		28	4465	14.4	22							28	6306	19.5	30									

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TRANSCYKO[®]TEX
TEX-P3 马力及额定扭矩表
TEX-P3 Powers(KW) & Nominal Torque

TRANSCYKO[®]TEX
TEX-P3 马力及额定扭矩表
TEX-P3 Powers(KW) & Nominal Torque

n1 rpm	180												200											
	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW				
2000		317	5233	193	40		63	9036	63.2	40		317	8026	292	51		63	12250	89	51				
1450	6.3	230	5445	144	40	31.5	46	9356	47	40	6.3	230	8306	217	51	31.5	46	12702	66.2	51				
100		159	5445	99.3	40		32	9356	32.4	40		159	8306	149.7	51		32	12712	45.7	51				
700		111	5445	69.5	40		22	9365	22.7	40		111	8306	104.8	51		22	12712	32	51				
2000		250	6950	193	40		50	9167	48.7	40		250	10633	292	51		50	12425	69.5	51				
1450	8	181	7148	144	40	40	36	9395	36.2	40	8	181	10890	127	51	40	36	12751	51.7	51				
100		125	7148	99.3	40		25	9405	25	40		125	10900	149.7	51		25	12771	35.7	51				
700		87	7148	69.5	40		17.5	9405	17.5	40		87	10900	104.8	51		17.5	12771	53.8	51				
2000		200	8603	190	40		40	9029	37.4	40		200	12217	275	51		40	12524	40	51				
1450	10	145	8841	141.6	40	50	29	9257	27.8	40	10	145	12563	205	51	50	29	12840	27.6	51				
100		100	8841	97.7	40		20	9266	19.2	40		100	12563	141.4	51		20	12850	19.3	51				
700		70	8841	68.4	40		14	9247	13.4	40		70	12573	99	51		14	12840	44.5	51				
2000		160	8831	161	40		32	8781	31	40		160	12276	211	51		32	12533	33	51				
1450	12.5	116	9078	120	40	63	23	9029	23.1	40	12.5	116	12583	156.8	51	63	23	12821	22.8	51				
100		80	9078	82.8	40		16	9009	15.9	40		80	12563	108	51		16	12840	16	51				
700		56	9068	57.9	40		11	9068	11.2	40		56	12583	75.7	51		11	12870	35	51				
2000		125	9108	123	40		25	8613	23.5	40		125	12286	173	51		25	12385	26	51				
1450	16	91	9346	91.5	40	80	18	8841	17.5	40	16	91	12632	129	51	80	18	12682	17.9	51				
100		62	9326	63	40		12.5	8870	12.1	40		62	12642	89	51		12.5	12662	12.6	51				
700		44	9346	44.2	40		8.7	8791	8.4	40		44	12642	62.3	51		8.7	12731	25.8	51				
2000		100	8821	102	40		20	8623	19.5	40		100	12514	140	51		20	12078	19.2	51				
1450	20	72	9029	75.7	40	100	14.5	8841	14.5	40	20	72	12821	104	51	100	14.5	12395	13.2	51				
100		50	9029	52.2	40		10	8841	10	40		50	12821	71.7	51		10	12355	9.3	51				
700		35	9019	36.5	40		7	8841	7	40		35	12821	50.2	51		7	12434	20.3	51				
2000		80	8870	77	40							80	12019	107	51									
1450	25	58	9108	57.3	40							58	12345	79.7	51									
100		40	9098	39.5	40							40	12355	55	51									
700		28	9118	27.7	40							28	12355	38.5	51									

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n1 rpm	225												250											
	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW				
2000		317	11427	400	67		63	16846	118	67		317	16209	587	85		63	23422	170	85				
1450	6.3	230	11740	298	67	31.5	46	17483	87.9	67	6.3	230	16640	437	85	31.5	46	24265	126.4	85				
100		159	11711	205	67		32	17483	60.6	67		159	16621	301	85		32	24275	87.2	85				
700		111	11760	144	67		22	17474	42.4	67		111	16650	211	85		22	24255	61	85				
2000		250	14078	400	67		50	17137	92.5	67		250	21721	587	85		50	23750	133	85				
1450	8	181	14464	298	67	40	36	17582	68.8	67	8	181	22295	437	85	40	36	24433	99.2	85				
100		125	14424	205	67		25	17563	47.4	67		125	22275	301	85		25	24423	68.4	85				
700		87	14474	144	67		17.5	17573	33.2	67		87	22305	211	85		17.5	24433	47.9	85				
2000		200	16355	374	67		40	17464	78	67		200	23344	524	85		40	23948	111	85				
1450	10	145	16771	278	67	50	29	17978	58.2	67	10	145	23958	390	85	50	29	24552	82.5	85				
100		100	16771	191.7	67		20	17900	40	67		100	23968	269	85		20	24552	56.9	85				
700		70	16741	134	67		14	17909	28	67		70	23928	188	85		14	24532	39.8	85				
2000		160	16860	297	67		32	17216	59	67		160	23245	423	85		32	22968	80.7	85				
1450	12.5	116	17295	221	67	63	23	17711	44	67	12.5	116	23879	315	85	63	23	23552	60	85				
100		80	17295	152.4	67		16	17691	30.3	67		80	23859	217	85		16	23562	41.4	85				
700		56	17305	106.7	67		11	17681	21.2	67		56	23869	152	85		11	23582	29	85				
2000		125	16979	231	67		25	16919	47	67		125	23582	331	85		25	23117	62.4	85				
1450	16	91	17434	172	67	80	18	17375	35	67	16	91	24176	246	85	80	18	23711	46.4	85				
100		62	17434	118.6	67		12.5	17424	24.2	67		62	24186	169.7	85		12.5	23711	32	85				
700		44	17424	83	67		8.7	17384	16.9	67		44	24186	118.8	85		8.7	23711	22.4	85				
2000		100	16909	182	67		20	16533	37	67		100	23958	271	85		20	22542	48.8	85				
1450	20	72	17365	135.5	67	100	14.5	17008	27.6	67	20	72	24631	202	85	100	14.5	23126	36.3	85				
100		50	17355	93.4	67		10	16979	19	67		50	24582	139	85		10	23097	25	85				
700		35	17365	65.4	67		7	16979	13.3	67		35	24631	97.5	85		7	23097	17.5	85				
2000		80	16919	146.5	67							80	23008	204	85									
1450	25	58	17365	109	67							58	23651	152	85									
100		40	17375	75.2	67							40	23641	104.8	85									
700		28	17365	52.6	67							28	23661	73.4	85									

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TRANSCYKO[®]TEX
TEX-P3 马力及额定扭矩表
TEX-P3 Powers(KW) & Nominal Torque

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n1 rpm	280												320											
	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW				
2000		317	23148	801	108		63	33310	233	108		317	29096	1055	139		63	48755	354	139				
1450	6.3	230	23755	596	108	31.5	46	34541	173,4	108	6.3	230	29870	785	139	31.5	46	50470	263	139				
100		159	23755	411	108		32	34551	119,6	108		159	29841	541	139		32	50470	181,4	139				
700		111	23755	287,7	108		22	34541	83,7	108		111	29870	379	139		22	50480	127	139				
2000		250	28839	801	108		50	33898	183,3	108		250	38679	1055	139		50	49550	277	139				
1450	8	181	29601	596	108	40	36	34769	136,3	108	8	181	39699	785	139	40	36	50827	206	139				
100		125	29601	411	108		25	34769	94	108		125	39669	541	139		25	50797	142	139				
700		87	29601	287,7	108		17,5	34769	65,8	108		87	39699	379	139		17,5	50797	99,4	139				
2000		200	32215	710	108		40	34066	152,6	108		200	47223	1055	139		40	49797	217	139				
1450	10	145	33046	528	108	50	29	34947	113,5	108	10	145	48461	785	139	50	29	51223	161,6	139				
100		100	33036	400,7	108		20	34957	78,3	108		100	48431	541	139		20	51223	111,6	139				
700		70	33046	280,5	108		14	34947	54,8	108		70	48470	379	139		14	51143	78	139				
2000		160	33116	612	108		32	34224	119,4	108		160	49312	906	139		32	49975	180	139				
1450	12,5	116	33957	455	108	63	23	35115	88,8	108	12,5	116	50599	674	139	63	23	51401	134,2	139				
100		80	33957	313,8	108		16	35086	61,2	108		80	50599	464,8	139		16	51421	92,6	139				
700		56	33967	219,7	108		11	35135	42,9	108		56	50599	325,4	139		11	51411	64,8	139				
2000		125	33521	465	108		25	33541	89	108		125	49064	684	139		25	49104	134	139				
1450	16	91	34403	346	108	80	18	34462	66,3	108	16	91	50361	509	139	80	18	50540	100	139				
100		62	34403	238,6	108		12,5	34442	45,7	108		62	50351	351	139		12,5	50569	69	139				
700		44	34393	167	108		8,7	34452	32	108		44	50351	245,7	139		8,7	50569	48,3	139				
2000		100	34373	371	108		20	32848	72,6	108		100	50233	564	139		20	46481	106	139				
1450	20	72	35274	276	108	100	14,5	33700	54	108	20	72	51599	420	139	100	14,5	47659	78,8	139				
100		50	35264	190,3	108		10	33670	37,2	108		50	51599	289,7	139		10	47619	54,3	139				
700		35	35264	133,2	108		7	33611	26	108		35	51609	202,8	139		7	47609	38	139				
2000		80	33393	308	108							80	50045	437	139									
1450	25	58	34244	229	108							58	51332	325	139									
100		40	34234	157,9	108							40	51302	224	139									
700		28	34264	110,6	108							28	51332	156,9	139									

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n1 rpm	360												400											
	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW				
2000		317	39602	1460	170		63	70462	493	170		317	59584	2160	211		63	97079	672	211				
1450	6.3	230	40631	1086	170	31,5	46	73082	367	170	6,3	230	61103	1606	211	31,5	46	100653	500	211				
100		159	40631	749	170		32	73052	253	170		159	61074	1107	211		32	100406	344	211				
700		111	40611	524	170		22	73013	177	170		111	61074	775	211		22	100495	241	211				
2000		250	52549	1460	170		50	71874	382	170		250	75002	2160	211		50	100505	583	211				
1450	8	181	53915	1086	170	40	36	73706	284	170	8	181	78923	1606	211	40	36	103198	434	211				
100		125	53915	749	170		25	73715	195,9	170		125	78883	1107	211		25	103089	299	211				
700		87	53886	524	170		17,5	73646	137	170		87	78883	775	211		17,5	102940	208	211				
2000		200	66073	1460	170		40	70726	293	170		200	97000	2116	211		40	93892	417	211				
1450	10	145	67795	1086	170	50	29	72587	218	170	10	145	99525	1574	211	50	29	96278	310	211				
100		100	67795	749	170		20	72567	150,3	170		100	99475	1085	211		20	95921	213	211				
700		70	67756	524	170		14	72557	105,2	170		70	99535	760	211		14	95862	149	211				
2000		160	68647	1250	170		32	69419	245	170		160	97852	1722	211		32	99594	337	211				
1450	12,5	116	70409	931	170	63	23	71132	182	170	12,5	116	100396	1281	211	63	23	102317	251	211				
100		80	70409	642	170		16	71122	125,5	170		80	100346	883	211		16	102257	173	211				
700		56	68880	449	170		11	71161	87,9	170		56	100337	618	211		11	102168	121	211				
2000		125	70775	956	170		25	69835	189	170		125	97505	1320	211		25	94894	267	211				
1450	16	91	72607	711	170	80	18	71656	140,6	170	16	91	100599	9820	211	80	18	97347	199	211				
100		62	72557	490	170		12,5	71686	97	170		62	100020	677	211		12,5	97169	137	211				
700		44	72557	343	170		8,7	71686	67,9	170		44	100040	474	211		8,7	97268	96	211				
2000		100	68508	792	170		20	68092	154	170		100	100069	1085	211		20	98188	215	211				
1450	20	72	70270	589	170	100	14,5	69825	114,5	170	20	72	102653	807	211	100	14,5	100782	160	211				
100		50	70231	406	170		10	69854	79	170		50	102554	556	211		10	100465	110	211				
700		35	70181	284	170		7	69854	55,3	170		35	102505	389	211		7	100465	77	211				
2000		80	69251	601	170							80	96901	890	211									
1450	25	58	71042	447	170							58	99416	662	211									
100		40	70983	308	170							40	99297	456	211									
700		28	71042	215,8	170							28	99238	319	211									

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n1 rpm	450					500														
	i	n2 rpm	MN Nm	PN kW	Pt kW	i	n2 rpm	MN Nm	PN kW	Pt kW										
2000		317	80337	2839	274	63	145472	1000	274	317	121807	4190	345	63	197804	1364	345			
1450	6.3	230	81977	2100	274	31.5	46	149955	740	274	6.3	230	124293	3100	345	31.5	46	203900	1009	345
100		159	81977	1448	274		32	149955	510	274		159	124293	2318	345		32	203900	696	345
700		111	81977	1014	274		22	149955	357	274		111	124293	1497	345		22	203900	487	345
2000		250	109920	2839	274	50	148188	785	274	250	163198	4190	345	50	201501	1072	345			
1450	8	181	110217	2100	274	40	36	151213	581	274	8	181	166528	3100	345	40	36	205613	793	345
100		125	110217	1448	274		25	151213	401	274		125	166528	2318	345		25	205613	547	345
700		87	110217	1014	274		17.5	151213	281	274		87	166528	1497	345		17.5	205613	383	345
2000		200	130181	2839	274	40	149238	607	274	200	193254	4121	345	40	199162	810	345			
1450	10	145	132838	2100	274	50	29	152282	448	274	10	145	197198	3049	345	50	29	203227	599	345
100		100	132838	1448	274		20	152282	310	274		100	197198	2103	345		20	203227	413	345
700		70	132838	1014	274		14	152282	217	274		70	197198	1472	345		14	203227	289	345
2000		160	140359	2287	274	32	149896	504	274	160	188122	3187	345	32	195427	678	345			
1450	12.5	116	143223	1692	274	63	23	152955	373	274	12.5	116	191961	2358	345	63	23	199416	502	345
100		80	44223	1167	274		16	152955	257	274		80	191961	1626	345		16	199416	346	345
700		56	143223	817	274		11	152955	180	274		56	191961	1138	345		11	199416	242	345
2000		125	145676	1951	274	25	147636	385	274	125	197504	2633	345	25	197164	505	345			
1450	16	91	148649	1443	274	80	18	150648	285	274	16	91	201534	1948	345	80	18	201188	374	345
100		62	148649	995	274		12.5	150648	197	274		62	201534	1343	345		12.5	201188	258	345
700		44	148649	697	274		8.7	150648	138	274		44	201534	940	345		8.7	201188	181	345
2000		100	149168	1614	274	20	144501	303	274	100	187821	1971	345	20	192187	401	345			
1450	20	72	152213	1193	274	100	14.5	147451	224	274	20	72	191654	1458	345	100	14.5	196109	297	345
100		50	152213	823	274		10	147451	155	274		50	191654	1005	345		10	196109	205	345
700		35	152213	576	274		7	147451	108	274		35	191654	704	345		7	196109	143	345
2000		80	142357	1208	274					80	194380	1637	345							
1450	25	58	145263	894	274					58	198347	1211	345							
100		40	145263	617	274					40	198347	835	345							
700		28	145263	432	274					28	198347	585	345							

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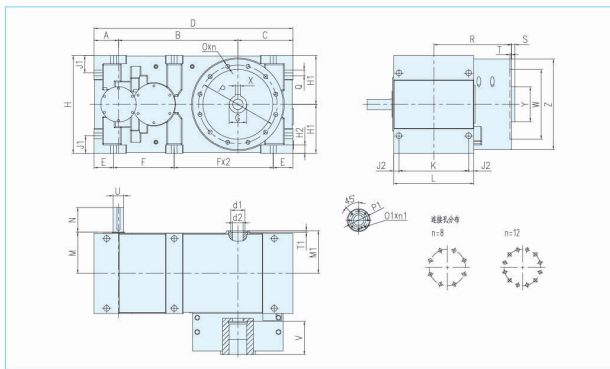
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n1 rpm	560				
	i	n2 rpm	MN Nm	PN kW	Pt kW
2000		317	193604	6365	448
1450	6.3	230	197638	4710	448
100		159	197638	3248	448
700		111	197638	2274	448
2000		250	241313	6365	448
1450	8	181	246256	4710	448
100		125	246256	3248	448
700		87	246256	2274	448
2000		200	287590	5872	448
1450	10	145	293460	4345	448
100		100	293460	2997	448
700		70	293460	2098	448
2000		160	287039	5037,84	448
1450	12.5	116	292896	3728	448
100		80	292896	2571	448
700		56	292896	1800	448
2000		125	296452	3793	448
1450	16	91	302501	2807	448
100		62	302501	1936	448
700		44	302501	1355	448
2000		100	288402	3154	448
1450	20	72	294287	2334	448
100		50	294287	1610	448
700		35	294287	1127	448
2000		80	300832	2482	448
1450	25	58	306972	1837	448
100		40	306972	1267	448
700		28	306972	887	448

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TRANSCYKO[®]TEX
TEX-P3 齿轮箱外观尺寸表
TEX-P3 Overall Dimensions



Size/型号	A	B	C	D	d1	d2	E	F	G	H	H1	H2	J1	J2	M	M1	P	P1	S	T1	V
112	63	273	125	461	22	19	46	123	32	224	112	16	42	18	106	106	170	35	8	8	90
125	63	305	140	508	28	24	50	136	38	250	125	17	45	17	114	113	205	42	8	8	100
140	70	342	160	572	30	27	56.5	153	42	280	140	18	48	18	125	124	230	45	8	10	110
160	80	385	180	645	32	29	63	173	50	320	160	21	50	20.5	142	140	260	50	17	10	130
180	90	432	200	722	40	34	70	194	60	360	180	25	60	23	158	157	300	62	17	10	140
200	100	485	225	810	50	44	81	216	70	400	200	31	70	25	176	180	330	72	18	10	150
225	112	545	250	907	60	55	90.5	242	80	450	225	36	80	22.5	192	193	350	82	18	10	160
250	125	610	280	1015	70	65	101	271	90	500	250	40	90	26	216	217	400	95	20	10	170
280	140	685	315	1140	80	76	112.5	305	100	560	280	48	100	30	242	245	450	105	20	10	190
320	160	770	355	1285	90	86	125	345	110	630	315	54	112	35	273	275	500	115	20	10	200
360	180	865	400	1445	100	98	140.5	388	125	710	355	62	125	40	302	307	600	140	24	10	210
400	200	970	450	1620	110	110	160.5	433	140	800	400	70	140	45	340	345	680	150	24	10	220

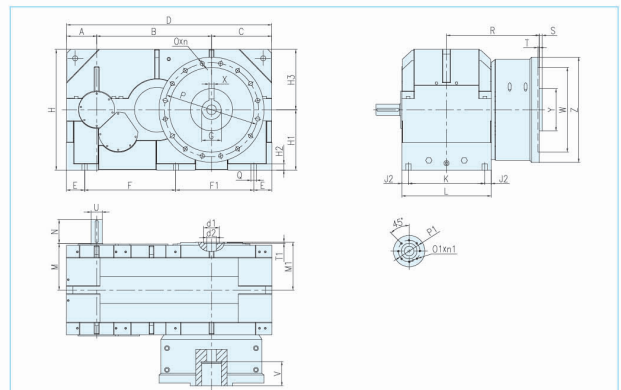
Size/型号	K	L	N	N	n	n1	O	O1	Q	R	T	U	U	W	X	Y	Z	Thrust Bearing	Weight	Oil/kg
112	160	196	50	45	8	6	M12	M5	14	180	5	22	19	150	10	70	200	29412E	82	4.2
125	180	214	56	50	8	6	M12	M6	16	205	5	24	22	180	10	80	230	29415E	122	5.4
140	200	236	63	56	8	6	M12	M6	18	230	5	28	24	200	12	90	260	29417E	161	7
160	225	266	70	63	8	6	M16	M8	20	260	6	32	26	230	14	110	300	29420E	253	9.5
180	250	296	80	70	8	6	M20	M10	22	290	6	35	32	260	18	140	350	29424E	334	15
200	280	330	90	80	8	6	M20	M10	24	320	6	40	35	290	20	160	380	29428E	485	30
225	315	360	100	90	12	6	M20	M10	27	355	6	45	40	310	22	170	400	29430E	655	26
250	355	407	112	100	12	6	M24	M10	30	405	8	50	45	365	25	190	450	29434E	910	48
280	400	460	125	112	12	8	M24	M10	33	445	8	55	50	400	28	200	520	29436E	1350	60
320	450	520	140	125	12	8	M24	M12	36	490	8	60	55	450	28	210	600	29440E	1900	90
360	500	600	160	140	12	8	M30	M12	39	560	10	70	60	520	32	280	680	29452E	2800	135
400	560	650	180	160	12	8	M36	M16	42	640	10	80	70	600	36	300	750	29456E	3900	150

ATTENTION: the weights have to be considered as a guideline and may vary according to the reduction ratio and the accessories required.
 The oil quantity refers to gearboxes in W1 mounting position and with splash lubrication. The quantity varies according to the mounting position and decreases if the lubrication is of the forced type when a pump or a motor-driven pump is used.

请注意：上述重量为参考数据，会因为减速比和其他所需配备之不同而改变。

系列之油重量之齿轮箱为 W1 落地方向与溅式润滑油系统为基准，其他落地方向所需之油量可依方向之不同而改变，也可因强制润滑使用泵浦或马达泵浦而减少。

TRANSCYKO[®]TEX
TEX-P3 齿轮箱外观尺寸表
TEX-P3 Overall Dimensions



Size/型号	A	B	C	D	d1	d2	E	F	F1	H	H1	H2	H3	H7	J2	M	M1	P	P1	S	T1	V
450	250	950	500	1700	130	80	150	755	645	1000	500	54	450	160	55	383	397	780	180	24	10	200
500	280	1060	560	1900	150	80	185	775	755	1120	560	60	500	200	40	430	455	780	200	24	10	250
560	280	1190	600	2070	180	120	150	885	885	1190	630	68	560	250	50	482	521	800	220	50	10	320

Size/型号	K	L	n	n1	N	N	O	O1	Q	R	T	U	U	W	X	Y	Z	Thrust Bearing	Weight	Oil/kg
450	630	740	16	8	200	180	M36	M16	44	768	12	90	80	700	40	350	670	29468E	5600	200
500	680	780	16	8	225	200	M36	M16	44	775	12	100	90	700	40	350	670	29468E	6900	320
560	780	880	16	8	225	225	M42	M16	44	847	12	110	100	800	56	375	910	29480E	8910	400

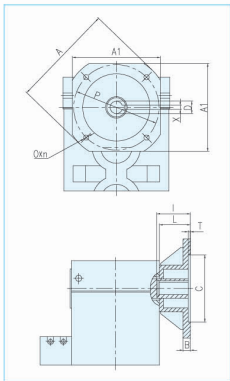
ATTENTION: bigger thrust bearings can be supplied.
 请注意：我们可以提供更大的止推轴承。

ATTENTION: the weights have to be considered as a guideline and may vary according to the reduction ratio and the accessories required.

The oil quantity refers to gearboxes in W1 mounting position and with splash lubrication. The quantity varies according to the mounting position and decreases if the lubrication is of the forced type when a pump or a motor-driven pump is used.

请注意：上述重量为参考数据，会因为减速比和其他所需配备之不同而改变。

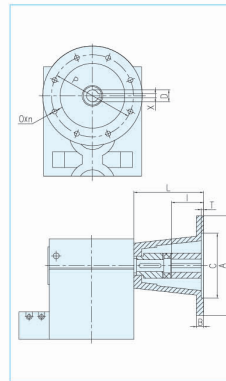
系列之油重量之齿轮箱为 W1 落地方向与溅式润滑油系统为基准，其他落地方向所需之油量可依方向之不同而改变，也可因强制润滑使用泵浦或马达泵浦而减少。



Type 型式	Overall dimensions 外观尺寸表						Direct flange 连接法兰				
	A	A1	P	C	T	B	Oxn	D	X	I	L
F 200×24	200	-	165	130	4,5	10	M10×4	24	8	50	60
F 200×28	200	-	165	130	4,5	10	M10×4	28	8	60	65
F 250×28	250	200	215	180	5	12	M12×4	28	8	60	65
F 250×32	250	200	215	180	5	12	M12×4	32	10	80	85
F 300×38	300	260	265	230	5	14	M12×4	38	10	80	70
F 300×42	300	260	265	230	5	14	M12×4	42	12	110	70
F 350×42	350	270	300	250	6	15	M16×4	42	12	110	75
F 350×48	350	270	300	250	6	15	M16×4	48	14	110	75
F 350×55	350	270	300	250	6	15	M16×4	55	16	110	75
F 400×55	400	320	350	300	6	16	M16×4	55	16	110	80
F 400×60	400	320	350	300	6	16	M16×4	60	18	140	80
F 450×60	450	410	400	350	8	18	M16×8	60	18	140	100
F 450×65	450	410	400	350	8	18	M16×8	65	18	140	100
F 450×70	450	410	400	350	8	18	M16×8	70	20	140	100
F 450×75	450	410	400	350	8	18	M16×8	75	20	140	100
F 550×65	550	-	500	450	8	20	M16×8	65	18	140	120
F 550×70	550	-	500	450	8	20	M16×8	70	20	140	120
F 550×75	550	-	500	450	8	20	M16×8	75	20	140	120
F 650×80	650	-	600	550	8	24	M20×8	80	22	170	140
F 800×100	880	-	740	680	9	28	M22×8	100	28	200	160

POSSIBLE COMBINATIONS
各型号齿轮箱与马达法兰、输入轴之组合

Type 型式	Gearboxes TEX-P2 TEX-P2 齿轮箱										Gearboxes TEX-P3 TEX-P3 齿轮箱												
	100	112	125	140	160	180	200	225	250	280	320	360	112	125	140	160	180	200	225	250	280	320	360
F 200×24	x	x											x	x									
F 200×28	x	x	x										x	x									
F 250×28	x	x	x	x									x	x	x								
F 250×32	x	x	x	x	x								x	x	x								
F 300×38	x	x	x	x	x								x	x	x								
F 300×42	x	x	x	x	x								x	x	x								
F 350×42	x	x	x	x	x								x	x	x								
F 350×48	x	x	x	x	x								x	x	x								
F 350×55	x	x	x	x	x								x	x	x								
F 400×55	x	x	x	x	x								x	x	x								
F 400×60	x	x	x	x	x								x	x	x								
F 400×65	x	x	x	x	x								x	x	x								
F 450×60	x	x	x	x	x								x	x	x								
F 450×65	x	x	x	x	x								x	x	x								
F 450×70	x	x	x	x	x								x	x	x								
F 450×75	x	x	x	x	x								x	x	x								
F 550×65	x	x	x	x	x								x	x	x								
F 550×70	x	x	x	x	x								x	x	x								
F 550×75	x	x	x	x	x								x	x	x								
F 550×80	x	x	x	x	x								x	x	x								
F 650×80	x	x	x	x	x								x	x	x								
F 800×100	x	x	x	x	x								x	x	x								



Type 型式	Overall dimensions 外观尺寸表						Direct flange 连接法兰			
	A	P	C	T	B	Oxn	D	X	I	L
C 200×24	200	165	130	4,5	10	M10×4	24	8	50	140
C 200×28	200	165	130	4,5	10	M10×4	28	8	60	140
C 250×28	250	215	180	5	12	M12×4	28	8	60	170
C 250×32	250	215	180	5	12	M12×4	32	10	80	170
C 300×38	300	265	230	5	14	M12×4	38	10	80	215
C 300×42	300	265	230	5	14	M12×4	42	12	110	215
C 350×42	350	300	250	6	15	M16×4	42	12	110	215
C 350×48	350	300	250	6	15	M16×4	48	14	110	215
C 350×55	350	300	250	6	15	M16×4	55	16	110	215
C 400×55	400	350	300	6	16	M16×4	55	16	110	(245)
C 400×60	400	350	300	6	16	M16×4	60	18	140	280
C 400×65	400	350	300	6	16	M16×4	65	18	140	(220)
C 450×60	450	400	350	8	18	M16×8	60	18	140	260
C 450×65	450	400	350	8	18	M16×8	65	18	140	290
C 450×70	450	400	350	8	18	M16×8	70	20	140	327
C 450×75	450	400	350	8	18	M16×8	75	20	140	327
C 550×65	550	500	450	8	20	M16×8	65	18	140	305
C 550×70	550	500	450	8	20	M16×8	70	20	140	362
C 550×75	550	500	450	8	20	M16×8	75	20	140	362
C 550×80	550	500	450	8	20	M16×8	80	22	170	362
C 650×80	660	600	550	8	24	M20×8	80	22	170	362
C 800×100	800	740	680	9	28	M22×8	80	28	200	-

POSSIBLE COMBINATIONS
各型号齿轮箱与联轴器、联接座之组合

Type 型式	Gearboxes TEX-P2 TEX-P2 齿轮箱										Gearboxes TEX-P3 TEX-P3 齿轮箱												
	100	112	125	140	160	180	200	225	250	280	320	360	112	125	140	160	180	200	225	250	280	320	360
C 200×24	x	x											x	x									
C 200×28	x	x	x										x	x									
C 250×28	x	x	x	x									x	x	x								
C 250×32	x	x	x	x	x								x	x	x								
C 300×38	x	x	x	x	x								x	x	x								
C 300×42	x	x	x	x	x								x	x	x								
C 350×42	x	x	x	x	x								x	x	x								
C 350×48	x	x	x	x	x								x	x	x								
C 350×55	x	x	x	x	x								x	x	x								
C 400×55	x	x	x	x	x								x	x	x								
C 400×60	x	x	x	x	x								x	x	x								
C 400×65	x	x	x	x	x								x	x	x								
C 450×60	x	x	x	x	x								x	x	x								
C 450×65	x	x	x	x	x								x	x	x								
C 450×70	x	x	x	x	x								x	x	x								
C 450×75	x	x	x	x	x								x	x	x								
C 550×65	x	x	x	x	x								x	x	x								
C 550×70	x	x	x	x	x								x	x	x								
C 550×75	x	x	x	x	x								x	x	x								
C 550×80	x	x	x	x	x								x	x	x								
C 650×80	x	x	x	x	x								x	x	x								
C 300×42	x	x	x	x	x								x	x	x								
C 800×100	x	x	x	x	x								x	x	x								

润滑系统

所有 TEX 系列的齿轮箱已经发展到可让 H 安装方式为溅式润滑。
 这种构造可以让所有的轴承都得到润滑，包括齿轮箱的径向轴承和轴向往止轴承。
 至于其他的落地方式，建议使用泵浦（或者马达泵浦）的强制润滑系统。
 请根据下表，依照齿轮箱的型号和落地方式来选择适当的润滑系统。

Type 型号	100	112	125	140	160	180	200	225	250	280	320	350	400	450
H	S	S	S	S	S	S	S	S	S	S	S	MP	MP	MP
W1	S	S	S	S	P	P	P	P	P	P	P	P	MP	MP
W2	S	S	S	S	P	P	P	P	P	P	P	P	MP	MP
V1	S	S	P	P	P	P	P	P	P	P	P	P	MP	MP
V2	S	S	P	P	P	P	P	P	P	P	P	P	MP	MP

S= Splash lubrication P=Pump MP= motor pump S= 溅式润滑 P= 泵浦 MP= 马达泵浦

ATTENTION:
 This chart applies only when there are no thermal power limitations! These limitations may require the use of a forced lubrication with cooling.

LUBRICATION

The gearboxes of the TEX series have been developed to enable H mounting only with splash lubrication.
 The construction (in this position) permits a perfect lubrication of all bearings both of the gearbox and of the axial thrust bearing.
 For the other mounting positions, a forced lubrication system using a pump (or electric pump) is recommended.
 Here in the following you find a chart about the recommended lubrication system according to the gearbox size and to the mounting position.

请注意:
 上表只能适用在没有超出额定热功率的齿轮箱, 若超出额定热功率时需要选强制润滑及冷却系统。

水冷却系统

当齿轮箱的热功率值（请参考目录）比所使用的马力和低时，则必须加装冷却系统。
 以下是不同型式的水冷却系统。

WATER COOLING

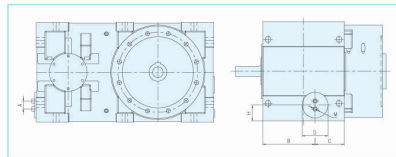
For the gearboxes with a lower thermal dissipation (as to the catalog) than the applied mechanical power, a cooling system must be provided. Here in the following you find some water cooling systems.

1. 内部冷却循环管

最简单和最经济的冷却系统是内部冷却循环管。
 这是一条细铜管，装置在齿轮箱的内部。
 特点：供水在 20°C，输送量在 10-30 公升 / 每分钟，压力 2-8 BAR，客户可依附表所示的管径以平滑的金属管连接。

1. INTERNAL COOLING COIL

The simplest and most economical cooling system is the internal cooling coil.
 It is a finned copper pipe, mounted inside the gearbox.
 Features: Water supply at 20°C, Delivery rate 10/30 l/min, Pressure 2-8 bar.
 The connection must be carried by the customer with a smooth metal pipe of a diameter B as shown in the adjacent chart.



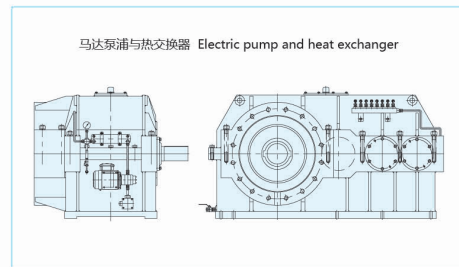
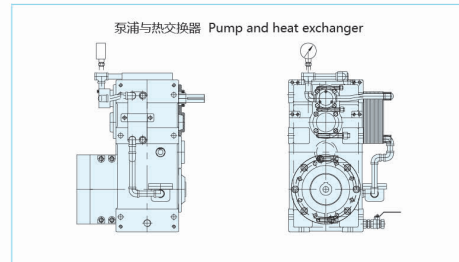
Size	A	M	H	D	B	C
140	40	1/2"	58	115	145	91
160	40	1/2"	65	115	160	106
180	40	1/2"	70	115	176	120
200	40	1/2"	70	115	195	135
225	40	1/2"	74	115	214	146
250	40	1/2"	76	115	247	160
280	45	3/4"	90	145	295	165

2. 强制冷却与润滑系统

有时我们必须消散大量的热量 (kacl)，因此必须使用泵浦（或是马达泵浦）和热交换器。
 强化热量消散相关的主要参数有：
 ● 冷却水导入时的水温
 ● 每分钟的水量
 ● 油泵每分钟送出的送油量
 ● 热交换器的尺寸
 对上述任何一项数据做调整即可解决现有的热功率问题。这是很有效率的方式，且可满足大多数不同的需求。请与我们的技术部门联系选购合适的泵浦（或马达泵浦）与热交换器的配置。

2. Forced cooling and lubrication systems

Sometimes a large heat quantity (kcal) must be dissipated. For this purpose, a pump (or an electric pump) and an external heat-exchanger must be used. The main parameters for increasing the heat dissipation are as follows:
 ● Water intake temperature
 ● water quantity per minute
 ● Delivery rate of oil pump per minute
 ● Size of the heat exchanger
 Any intervention on these parameters can resolve the existing thermal problems. Such solution may be very efficient and satisfy the most different requirements. Please consult our Technical Dept. for a rational configuration of the pump (electric pump) and of the heat exchanger.



3. 全套配备

这套完整冷却系统是适合用在大型齿轮箱,因为它有不同的组件和配件。

主要的配件有:

- 入油处过滤器
- 马达泵附分路循环管
- 入油处的过滤筒
- 热交换器
- 压力开关
- 压力计
- 流量调节阀
- 流量视窗

润滑油数据

- 表定值为人力转速 2000rpm,落地方向为 H/W1.
- 在 W2 的落地方式情况下,润滑系统必须选择更大一级。
- 润滑系统 P1 和 P2 是较简易的规格。

3.COMPLETE UNIT

This complete cooling system is suitable for big gearboxes as it is equipped with different component and accessories.

The main components are:

- Intake filter
- Electric pump with bypass cycle
- Filter cartridge at intake side
- Heat exchanger
- Pressure gauge
- Min and max pressure switch
- Pressure gauge
- Regulation valves
- Flow sight-glasses

LUBRICATION DATA

- The indicated values are valid up to 2000 rpm input speed, mounting position H/W1.
- In case of W2 mounting position, the lube unit has to be one size bigger.
- Lube unit P1 and P2 are simplified.

		Cooling capacity 冷却功率					
		TEX-P2			TEX-P3		
Gearbox Size 型号		Low capacity 低功率	standard 标准功率	High capacity 高功率	Low capacity 低功率	standard 标准功率	High capacity 高功率
		P1(1kW)	P2(2.8kW)	P2(2.8kW)	P1(1kW)	P2(2.8kW)	P2(2.8kW)
		P1(1kW)	P2(2.8kW)	P3(5kW)	P2(2.8kW)	P3(5kW)	P4(8kW)
		P2(2.8kW)	P3(5kW)	P4(8kW)	P3(5kW)	P4(8kW)	P5(17kW)
		P3(5kW)	P4(8kW)	P5(17kW)	P4(8kW)	P5(17kW)	P5(17kW)
		P4(8kW)	P5(17kW)	P5(17kW)	P4(8kW)	P5(17kW)	P5(17kW)
		P4(8kW)	P5(17kW)	P6(24kW)	P5(17kW)	P6(24kW)	P6(24kW)
		P5(17kW)	P6(24kW)	P7(30kW)	P6(24kW)	P7(30kW)	P8(43kW)
		P6(24kW)	P7(30kW)	P8(43kW)	P7(30kW)	P8(43kW)	P8(43kW)

	TEX-P2	TEX-P3
Low capacity 低功率	i=22.5~28	i=35.5~63
standard 标准功率	i=10~20	i=16~31.5
High capacity 高功率	i=6.3~9	i=0.3~14

**炼胶机专用齿轮箱
 Gearbox for rubber mixing mill**

炼胶机专用齿轮箱,是高精度重载硬齿面齿轮传动箱。主齿轮箱采用平行圆柱齿轮减速的传动形式。输入轴通过联轴器与电机轴相联,由电机驱动,经过齿轮减速和两输出轴之间齿轮的减速与功率分流,再通过联轴器把动力传递给密炼机或开炼机转子轴,带动其转子进行炼胶。

齿轮箱采用新开线斜齿轮和滚动轴承,输入和输出密封结构采用油封和机械密封相结合的密封形式,保证密封安全可靠。润滑系统采用强制喷油润滑方式,小规格齿轮箱配有安装在齿轮箱体上的简易润滑装置,外观简洁美观,实用性强;大规格齿轮箱配独立稀油站润滑。

The gearbox is a kind of high precision,heavy duty and tooth-flank hardened product matched for gearbox. For this gearbox,we adopt paralleled cylindrical gear to perform speed reducing.Through flexible coupling,the input shaft is connected to the motor shaft.Drove by the motor,reduced by parallel shafts and the gears between two output shafts and power dividing.The power now has been transmitted to rotor shaft of mixer by the crown coupling for the two o utput shafts separately.The two rotor shafts of the mixer refine rubber.

Gears in this gearbox are involutes helix gears.All supporting bearings are rolling bearing.The input and output shafts are sealed by seals together with mechanical parts to realize safe and reliable sealing.We adopt separate lubrication system,the equipment must be forcedly lubricated, the lubrication system may be erected as a separate oil unite or be installed outside the gear case.Simple lubrication device is installed outside the gear case,which provide separate pump and mainly be applied for small specification gear box,external appearance of this kind of equipment is beauty and succinct.All the parts of the separate lubrication unite are assembled together,the pipe is used for connected the gearbox with the lubrication unite,which mainly be applied for large specification gear box.

