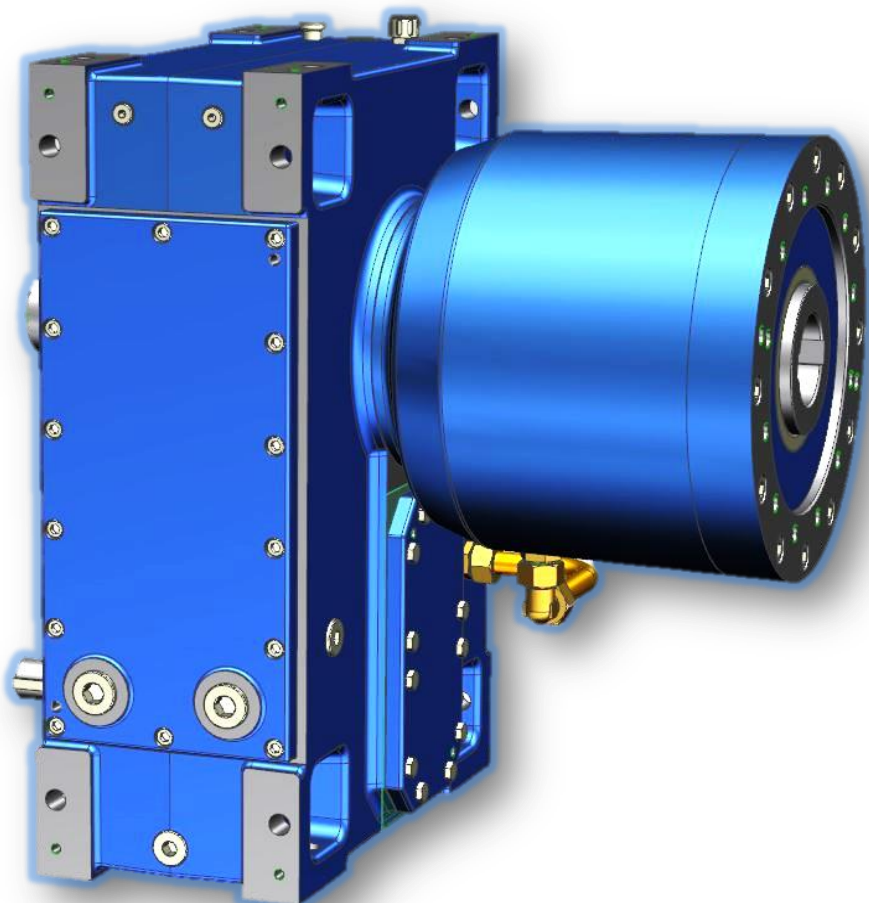


FLENDER GEAR UNITS



单螺杆挤出机 塑料行业专用齿轮箱

单螺杆挤出一 紧凑空间



塑料行业存在巨大的潜力
每天面临新的挑战。

在塑料的生产过程中,各种各样的材料需要非常高精度的加工机器,只有这样才满足客户对最终产品的高度期望。

挤出工艺的过程中螺杆轴向会产生非常高的轴向力,此轴向力需被减速器吸收。弗兰德单螺杆挤出机齿轮箱针对塑料挤出成型的工况特点而设计。

标准系列为两级平行轴齿轮设计
每个型号集成2种大小不同的推力轴承包
输出扭矩范围从6000到52500牛米

产品介绍

Flender 单螺杆挤出机用减速器，是为针对中国市场开发的塑料挤出设备专用减速器。具有体积小，承载能力高，传动平稳等特点。

齿轮

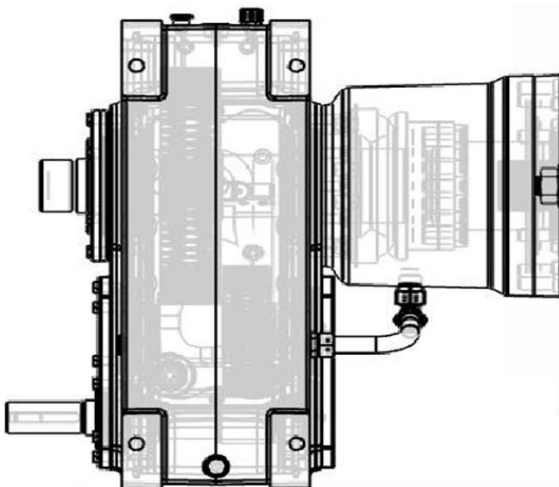
- 高精度的齿轮加工，齿轮精度为AGMA 11-12 或DIN 5-6
- 高耐磨的齿轮，齿面硬度达到 60 ± 2 HRC
- 高寿命的齿轮设计，齿轮承载寿命均按照无限寿命设计原则计算
- 齿面和齿形均采用FLENDER领先的修型技术，确保最低噪声和高效的传动

箱体

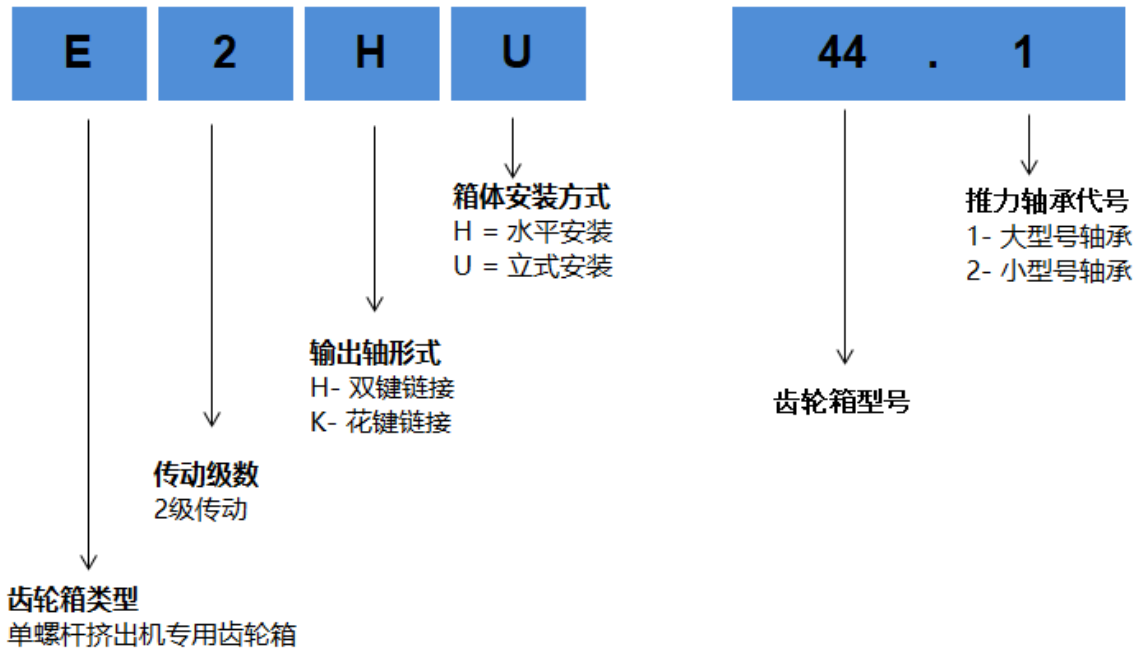
- 箱体采用整体结构设计，经过FEM强度计算分析，在优化结构与重量的同时也保证了可靠地强度

轴承

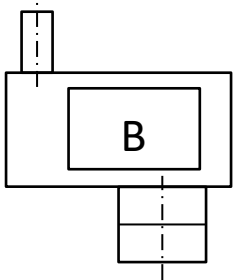
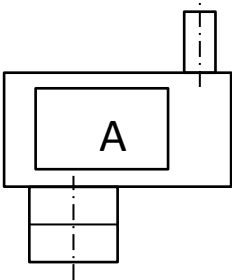
- 滚动轴承采用国际知名品牌
- 推力轴承采用模块化设计，两种不同的配置能带给客户更经济的方案
- 推力轴承的品牌只采用行业领先的SKF，FAG和TIMKEN三个品牌



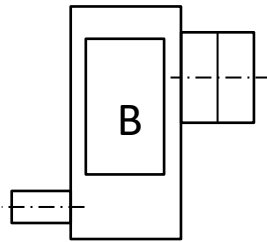
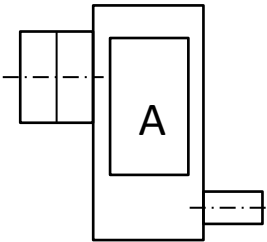
型号与命名



水平安装



竖直安装



选型举例

第一步：确定速比

输入转速 $n_1=1500\text{rpm}$ 输出转速 $n_2=135$

- $i=n_1/n_2=1500/150=10$ 选择最接近速比 $i_N=10$

第二步：计算使用扭矩

使用功率 $P_2=90\text{KW}$

- 需求的齿轮箱使用扭矩 $T_{2\text{req}}=P_2 \times 9.55/n_2 = 5.73 \text{ [kNm]}$

第三步：选择齿轮箱型号

查表1可知 E2HU39 额定扭矩 $T_{2N}=10 \text{ kNm}$

- 服务系数 $F_s=10/5.73=1.75$

第四步：确定推力轴承配置

1. 查表法:

例子1: 螺杆直径 $d_s=100 \text{ mm}$ 挤出压力 $P_s=300 \text{ bar}$ 输出转速 $n_2=150$ 要求寿命 25000h

- 查表6可知满足要求的最小推力轴承为 29422
E2HU39.1推力轴承为29422 可满足要求

例子2: 螺杆直径 $d_s=100 \text{ mm}$ 挤出压力 $P_s=200 \text{ bar}$ 输出转速 $n_2=150$ 要求寿命 25000h

- 查表6可知满足要求的最小推力轴承为 29418
E2HU39.2推力轴承为29418 可满足要求

2. 寿命算法:

螺杆直径 $d_s=100 \text{ mm}$ 挤出压力 $P_s=200 \text{ bar}$ 输出转速 $n_2=150$

- 推力 $F_a = \pi \times \frac{100^2}{4 \times 10000} \times 200 = 157 \text{ kN}$
- 轴承寿命 $L_{10h} = \frac{10^6}{60 \times n_2} \times \left(\frac{C_{dyn}}{F_a} \right)^{\frac{10}{3}} = 34756 \text{ h}$

第五步：热功率校核

环境温度 30°C , 查表2和表3可知

E2HU39.1 速比=10 立式安装

- $PG_1 \times f_4 = 72.7 < P_2 = 90 \text{ KW}$ 需要额外冷却
- $PG_2 \times f_4 = 188.7 > P_2 = 90 \text{ KW}$ 冷却盘管可满足要求

额定扭矩与实际速比

表1

型号 E2..	公称速比 i _n								
	8	9	10	11.2	12.5	14	16	18	20
	齿轮箱额定扭矩 T _{2N} 与实际速比 List								
32	6	6	6	6	6	6	6	6	6
	7.889	8.845	9.861	10.988	12.622	14.063	15.778	17.854	19.722
39	10	10	10	10	10	10	10	10	10
	7.895	8.806	9.868	10.945	12.632	14.175	15.789	17.982	19.505
44	13	13	13	13	13	13	13	13	13
	7.895	8.806	9.868	10.945	12.632	14.175	15.789	17.982	19.505
45	18	18	18	18	18	18	18	18	18
	7.931	8.802	9.813	10.932	12.458	13.939	15.717	17.598	19.742
54	25	25	25	25	25	25	25	25	25
	8.000	8.887	10.000	11.098	12.373	13.784	15.708	17.576	19.817
55	30	30	30	30	30	30	30	30	30
	7.966	9.006	10.051	11.277	12.833	14.368	16.008	18.237	19.786
64	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
	8.018	8.979	9.724	10.994	12.269	13.767	15.667	17.541	19.542
65	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
	8.030	8.951	10.025	11.116	12.622	14.063	15.966	18.061	20.418

扭矩单位：kNm

齿轮箱热功率

表2 单位：KW

	型号	安装方式	额定速比								
			8	9	10	11.2	12.5	14	16	18	20
PG1	E2H.32	H	69.8	72	69.9	66.8	64	61.1	58.1	55.6	53.6
		U	68.9	72	70.4	67.8	65.4	62.7	59.8	57.4	55.6
	E2H.39	H	88.6	86.8	84.3	82.9	77.3	77.5	76.9	71.9	68.2
		U	83.6	83.6	82.6	82.5	77.9	78.9	79	74.5	70.9
	E2H.44	H	100.9	98.5	95.3	93.5	86.7	86.9	85.6	79.9	75.7
		U	98.3	97.5	95.8	94.9	89.1	89.8	88.4	83	78.9
	E2H.45	H	99	99.2	98.2	99.6	103.4	98.6	94.2	89	84.2
		U	87.1	91.1	93.3	96.7	102.3	98.9	95.6	91.9	87.6
	E2H.54	H	115.9	119.7	119.1	118	115.8	116.2	119	112.9	107.3
		U	96.4	105	109.3	111.5	112.2	114.8	118.9	114.2	109.6
	E2H.55	H	115	115.5	116	114.6	122.4	118.7	115.9	102.9	97.9
		U	91.8	100	105.2	108.4	119.3	118.1	117.2	105.7	101.4
	E2H.64	H	132.1	136.4	140.3	138.6	137.2	134.2	140.4	135.3	131.7
		U	108.3	117.7	126.2	129.6	132.7	133	140.4	137.1	33.9
	E2H.65	H	145.9	150.7	153.3	156.4	164.5	168.7	162.8	146.5	141.1
		U	93.5	110.4	123.8	138.2	153.7	163.2	162.3	150.9	147.9
PG2	E2H.32	H	129.8	130.6	124.5	116.5	108.8	101.9	94.1	88.3	83.8
		U	145.7	146.7	139.7	130.5	121.5	113.6	104.5	98	92.9
	E2H.39	H	185.5	176.3	166.4	159.7	144	141.1	135.9	124.1	115.8
		U	227.7	215.8	202.9	194.3	174.6	170.3	162.5	147.8	137.7
	E2H.44	H	204.4	194	182.8	175.4	157.8	154.4	148.4	135.3	126.2
		U	275.8	260.2	243.7	232.6	208.2	202.8	191.4	173.5	161.4
	E2H.45	H	257.3	246	233.7	227.9	220.7	204.1	188.9	178.4	164.2
		U	338.3	322.1	304.3	295.6	282.6	260.1	239.6	227.1	208.1
	E2H.54	H	370.2	360.8	340.5	323.3	305.1	295.3	282.7	260	239.3
		U	435.1	424.6	399.9	379	356.7	345.5	328.3	301.3	276.9
	E2H.55	H	434.9	405.1	382.8	358.6	348.3	323.8	305.3	269.9	250.7
		U	466.8	435.1	411.8	386.3	375.4	349	329.1	391.9	271.1
	E2H.64	H	495	474.6	468.6	435.4	411	384.7	372.1	346	326.1
		U	573.1	547.5	541.1	501.9	473.2	442.5	425.6	395.2	372
	E2H.65	H	620	589.7	554.9	533.7	501.2	495.6	451.9	406.8	375.5
		U	682.6	649.3	613.5	592.8	556.5	552.2	504.4	457	422.4

PG1：齿轮箱不带辅助冷却装置

PG2：齿轮箱带内置冷却盘管

PG3：齿轮箱带板式换热器加泵

计算条件：

工作周期：100%

室内大空间安装

海拔高度小于1000m

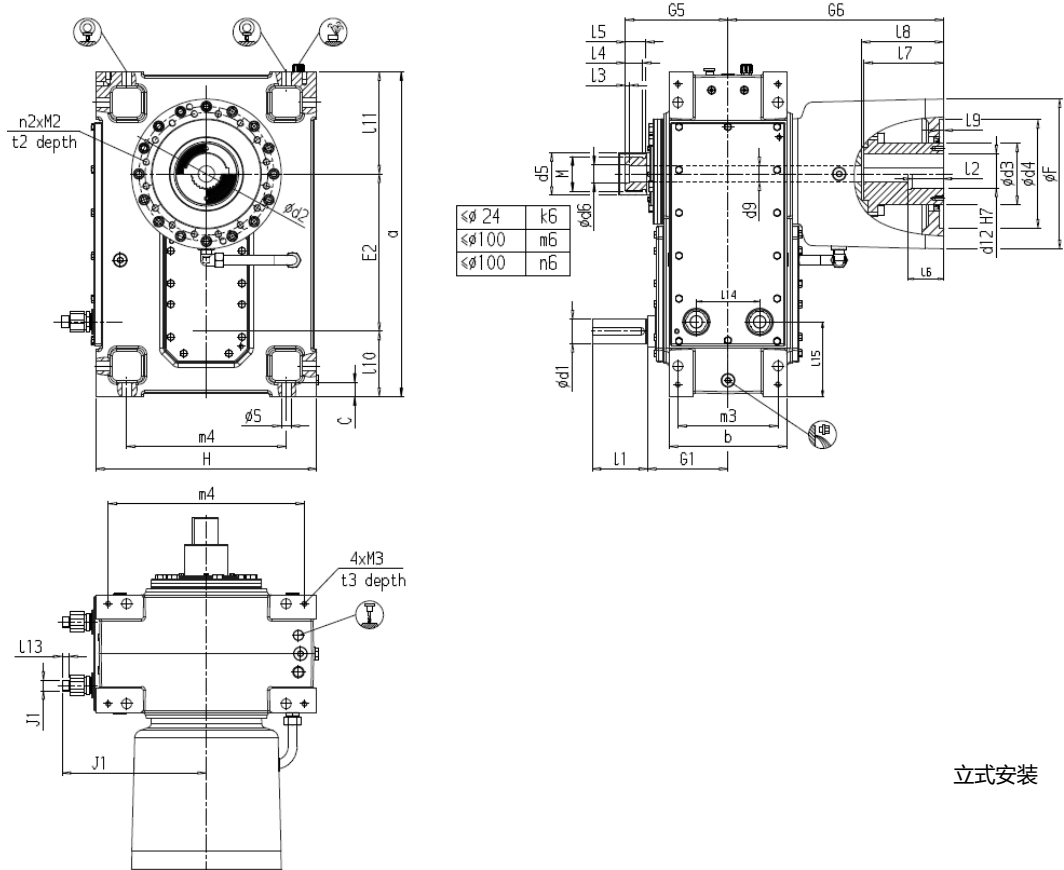
冷却水温度20℃

不限定冷却水出口温度

* 目前板式换热器加泵热功率敬请垂询

表3

环境温度修正系数 f ₄	10℃	15℃	20℃	25℃	30℃	35℃	40℃
齿轮箱不带辅助冷却装置	1.11	1.06	1	0.94	0.88	0.82	0.75
齿轮箱带内置冷却盘管	1.05	1.03	1	0.97	0.93	0.9	0.87

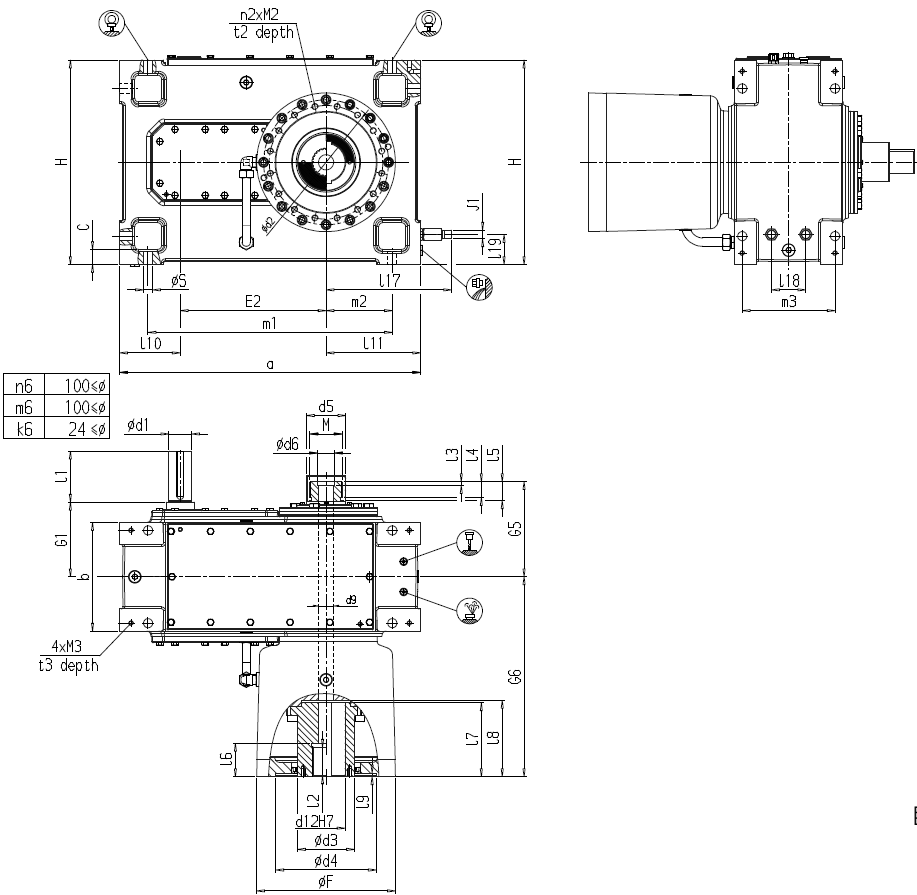


立式安装

表4

		立式安装										卧式安装										输出法兰										
型号	a	b	c	H	E2	m1	m2	m3	m4	m5	øS	l10	l11	J1	l12	l13	l14	l15	J2	l16	l17	l18	ød2	ød9	G5	G6	n2	M2	t2	M3	t3	øF
32.1	588	210	30	425	270	448	140	175	290	375	ø19	108	210	G3/4	294	20	90	260.5	G1/2	282	52.5	70.0	ø230	ø30	197.5	395	12	M16	20	M10	12	ø286
32.2																							ø206	ø30	197.5	389						ø272
39.1	683	242	30	490	325	545	181	206	350	440	ø19	108	250	G3/4	328	20	120	172	G1/2	322	72	70	ø270	ø30	224.5	456.5	12	M16	25	M10	12	ø332
39.2																							ø240	ø30	224.5	433.5						ø302
44.1	708	242	30	490	350	570	181	206	350	440	ø19	108	250	G3/4	328	20	120	172	G1/2	322	72	70	ø300	ø40	226.5	485.5	12	M16	29	M10	12	ø384
44.2																							ø255	ø40	226.5	451.5			25			ø332
45.1	795	287	35	540	385	645	175	245	390	480	ø24	160	250	G3/4	353	20	155	183	G1/2	322	70	120	ø340	ø40	251	548	16	M16	29	M12	19.5	ø424
45.2																							ø300	ø40	251	528						ø366
54.1	900	287	35	580	430	750	235	245	430	520	ø24	160	310	G3/4	373	20	155	182	G1/2	382	80	110	ø360	ø40	247	576	16	M16	29	M12	19.5	ø448
54.2																							ø300	ø40	247	548						ø389
55.1	960	334	40	640	455	780	230	280	460	530	ø28	185	320	G3/4	403	20	190	200	G1/2	392	95	130	ø360	ø50	282	630	16	M20	36	M16	40	ø462
55.2																							ø310	ø50	282	597						ø411
64.1	1055	334	40	720	500	875	280	280	540	610	ø28	185	370	G3/4	403	20	190	206.5	G1/2	442	105	120	ø380	ø50	283	641	16	M20	36	M16	40	ø481
64.2																							ø340	ø50	283	617						ø441
65.1	1165	380	51	770	545	945	285	300	552	660	ø35	225	395	G3/4	468	20	220	239.5	G1/2	467	90	90	ø420	ø50	313.25	681.75	16	M20	39	M16	29	ø533
65.2																							ø400	ø50	313.25	654.75						ø501

		输入轴					花键轴					双键轴					推力轴承									
型号	速比	ød1	l1	G1	DIN 5480	l2	l6	d12	l7	l8	ød3	l9	ød4	l3	l4	l5	d5	d6	M	轴承型号	Cd	油量(l) 垂直安装	油量(l) 水平安装	重量 (kg)		
32.1	8-20	ø38	80	146	ø60	50	58	ø60	165	172	ø95	10	ø200	10	40	46	ø74	ø35	M56	29418	880	20	16	225		
32.2													ø175								29416	720	19	15	218	
39.1	8-14 16-20	ø45 ø38	100 80	171	ø65	75	83	ø70	165	172	ø110	10	ø225	10	40	46	ø104	ø35	M56	29422	1260	30	24	381		
39.2	8-14 16-20	ø45 ø38	100 80										ø195								29418	880	28	22	359	
44.1	8-14 16-20	ø45 ø38	100 80	171	ø75	80	88	ø80	175	182	ø130	10	ø265	10	40	46	ø104	ø45	M76	29426	1700	33	27	454		
44.2	8-14 16-20	ø45 ø38	100 80										ø215								29422	1260	31	24	394	
45.1	8-20	ø60	135	197	ø75	80	88	ø100	195	202	ø150	10	ø300	10	42	50	ø104	ø45	M85	29432	2240	53	38	666		
45.2													ø265								29426	1700	51	36	627	
54.1	8-20	ø60	135	197	ø90	90	98	ø100	215	222	ø150	10	ø330	10	42	50	ø104	ø45	M85	29434	2550	65	46	800		
54.2													ø265								29426	1700	63	44	733	
55.1	8-20	ø75	140	215.5	ø90	90	98	ø110	235	242	ø170	10	ø320	10	52	60	ø134	ø55	M90	29434	2550	76	54	1077		
55.2													ø265								29428	1710	73	51	998	
64.1	8-20	ø75	140	215.5	ø100	108	116	ø110	250	257	ø170	10	ø340	10	52	60	ø134	ø55	M90	29436	2850	93	70	1260		
64.2													ø300								29430	2000	91	68	1189	
65.1	8-20	ø90	165	242.3	ø110	120	128	ø130	250	252	ø200	10	ø370	10	52	60	ø164	ø55	M90	29440	3450	123	90	1708		
65.2													ø350								29432	2240	121	88	1622	



最小推力轴承额定动载荷

表6

			>20000								>25000								>30000							
螺杆直径 [mm]	工作压力 [bar]	推力 [kN]	需求轴承寿命 [h] 输出转速n2 (rpm)								需求轴承寿命 [h] 输出转速n2 (rpm)								需求轴承寿命 [h] 输出转速n2 (rpm)							
			75	100	125	150	175	200	225	250	75	100	125	150	175	200	225	250	75	100	125	150	175	200	225	250
50	200	39	29416								29416								29416							
	250	49	29416								29416								29416							
	300	59	29416								29416								29416							
	350	69	29416								29416								29416							
	400	79	29416								29416								29416							
	450	88	29416								29416								29416							
55	500	98	29416								29416								29416							
	200	48	29416								29416								29416							
	250	59	29416								29416								29416							
	300	71	29416								29416								29416							
	350	83	29416								29416								29416							
	400	95	29416								29416								29416							
60	450	107	29416								29416								29416							
	500	119	29416								29416								29416							
	200	57	29416								29416								29416							
	250	71	29416								29416								29416							
	300	85	29416								29416								29416							
	350	99	29416								29416								29416							
65	400	113	29416								29416								29416							
	450	127	29416								29416								29416							
	500	141	29416				29418				29416				29418				29416				29418			
	200	66	29416								29416								29416							
	250	83	29416								29416								29416							
	300	100	29416								29416								29416							
70	350	116	29416								29416								29416							
	400	133	29416				29418				29416				29418				29416				29418			
	450	149	29416				29418				29416				29418				29416				29418			
	500	166	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	200	77	29416								29416								29416							
	250	96	29416								29416								29416							
75	300	115	29416								29416								29416							
	350	135	29416				29418				29416				29418				29416				29418			
	400	154	29416				29418				29416				29418				29416				29418			
	450	173	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	500	192	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	200	88	29416								29416								29416							
80	250	110	29416								29416								29416							
	300	133	29416				29418				29416				29418				29416				29418			
	350	155	29416								29416								29416							
	400	177	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	450	199	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	500	221	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
85	200	101	29416								29416								29416							
	250	126	29416								29416								29416							
	300	151	29416				29418				29416				29418				29416				29418			
	350	176	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	400	201	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	450	226	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
90	500	251	29422				29426				29422				29426				29422				29426			
	200	113	29416								29416								29416							
	250	142	29416				29418				29416				29418				29416				29418			
	300	170	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	350	199	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	400	227	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
95	450	255	29422				29426				29422				29426				29422				29426			
	500	284	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	200	127	29416								29416								29416							
	250	159	29416				29418				29416				29418				29416				29418			
	300	191	29418				29422				29418				29422				29418				29422			
	350	223	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
100	400	254	29422				29426				29422				29426				29422				29426			
	450	286	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	500	318	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	200	142	29416				29418				29416				29418				29416				29418			
	250	177	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	300	213	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
105	350	248	29422				29426				29422				29426				29422				29426			
	400	284	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	450	319	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	500	354	29426				29430				29426				29430				29426				29430			
	200	142	29416				29418				29416				29418				29416				29418			
	250	177	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
110	300	213	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	350	248	29422				29426				29422				29426				29422				29426			
	400	284	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	450	319	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	500	354	29426				29430				29426				29430				29426				29430			
	200	142	29416				29418				29416				29418				29416				29418			
115	250	177	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	300	213	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	350	248	29422				29426				29422				29426				29422				29426			
	400	284	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	450	319	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	500	354	29426				29430				29426				29430				29426				29430			
120	200	142	29416				29418				29416				29418				29416				29418			
	250	177	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	300	213	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	350	248	29422				29426				29422				29426				29422				29426			
	400	284	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	450	319	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
125	500	354	29426				29430				29426				29430				29426				29430			
	200	142	29416				29418				29416				29418				29416				29418			
	250	177	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	300	213	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	350	248	29422				29426				29422				29426				29422				29426			
	400	284	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
130	450	319	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	500	354	29426				29430				29426				29430				29426				29430			
	200	142	29416				29418				29416				29418				29416				29418			
	250	177	29416		29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422	
	300	213	29418		29422		29416		29418		29422		29416		29418		29422		29416		29418		29422			
	350	248	29422				29426				29422				29426				29422				29426			
135	400	284	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	450	319	29422		29426		29422		29426		29422		29426		29422		29426		29422		29426		29422		29426	
	500	354	29426				29430				29															

			>20000							
螺杆直径 [mm]	工作压力 [bar]	推力 [kN]	需求轴承寿命 [h]							
			输出转速n2 [rpm]							
			75	100	125	150	175	200	225	250
100	200	157	29416		29418					
	250	196	29418		29422					
	300	236	29422				29426			
	350	275	29422			29426				
	400	314	29422	29426				29430		
	450	353	29426			29430				
	500	393	29426		29430			29432		
105	200	173	29416	29418			29422			
	250	216	29418		29422					
	300	260	29422			29426				
	350	303	29422	29426				29430		
	400	346	29426			29430				
	450	390	29426		29430			29432		
	500	433	29426	29430	29432		29434			
110	200	190	29418		29422					
	250	238	29422				29426			
	300	285	29422		29426			29430		
	350	333	29426			29430				
	400	380	29426		29428	29430		29432		
	450	428	29426	29430	29432		29434			
	500	475	29430	29432	29434			29436		
115	200	208	29418		29422					
	250	260	29422		29426			29430		
	300	312	29422	29426				29430		
	350	364	29426			29430				
	400	415	29426	29430		29432			29434	
	450	467	29430		29432			29434		
	500	519	29432	29434	29436		29440			
120	200	226	29418	29422			29426			
	250	283	29422		29426					
	300	339	29426				29430			
	350	396	29426		29430			29432		
	400	452	29430		29432			29434		
	450	509	29430	29432	29434		29436			
	500	565	29432	29434	29436		29440			
125	200	245	29422		29426					
	250	307	29422	29426				29430		
	300	368	29426			29430				
	350	430	29426	29430		29432			29434	
	400	491	29430	29432		29434			29436	
	450	552	29432	29434	29436		29440			
	500	614	29434	29436	29440		-			
130	200	265	29422		29426					
	250	332	29426			29430				
	300	398	29426		29430			29432		
	350	465	29430		29432			29434		
	400	531	29432	29434	29436		29440			
	450	597	29434		29436			29440		
	500	664	29436		29440			-		
135	200	286	29422		29426					
	250	358	29426			29430				
	300	429	29426	29430	29432		29434			
	350	501	29430	29432	29434		29436			
	400	573	29432	29434	29436		29440			
	450	644	29434	29436	29440		-			
	500	716	29436	29440		-				
140	200	308	29422	29426			29428			
	250	385	29426		29430			29432		
	300	462	29430		29432			29434		
	350	539	29432	29434	29436		29440			
	400	616	29434	29436		29440				
	450	693	29436	29440		-				
	500	770	29440		-					
145	200	330	29426		29428			29430		
	250	413	29428	29430	29432		29434			
	300	495	29430	29432	29434		29436			
	350	578	29432	29434	29436		29440			
	400	661	29434	29436	29440		-			
	450	743	29440		-					
	500	826	29440		-					
150	200	353	29426		29430		29432			
	250	442	29428	29430	29432		29434			
	300	530	29432		29434			29436		
	350	619	29434	29436	29440		-			
	400	707	29436	29440		-				
	450	795	29440		-					
	500	884	29440		-					

			>25000									
螺杆直径 [mm]	工作压力 [bar]	推力 [kN]	需求轴承寿命 [h]									
			输出转速n2 [rpm]									
			75	100	125	150	175	200	225	250		
	200		29416		29418				29422			
	250		29418	29422			29426					
	300		29422				29426					
	350		29422			29426						
	400		29426		29430			29430				
	450		29426		29430			29432				
	500		29426	29430		29432		29434				
	200		29418		29422				29426			
	250		29418			29422						
	300		29422				29426					
350		29422			29426							
400		29426		29430			29430					
450		29426		29430			29432					
500		29426	29430		29432		29434					
	200		29418				29422				29426	
	250		29422			29426						
	300		29426				29430					
350		29426			29430							
400		29426		29430			29432					
450		29426	29430		29432		29434					
500		29430	29432				29436					
	200		29418		29422				29426			
	250		29422			29426						
	300		29426				29430					
	350		29426			29430						
	400		29426		29430			29432				
	450		29426	29430		29432		29434				
	500		29430	29432				29436				
	200		29422		29426							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29422		29426							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300		29426		29430			29432				
	350		29426	29430		29432			29434			
	400		29430	29432		29434			29436			
	450		29432	29434		29436		29440				
	500		29434	29436		29440		-				
	200		29426		29430							
	250		29426			29430						
	300											

齿轮箱选型表

电机参数

电机功率 _____ kW @ 电机转速 _____ rpm

使用功率 _____ kW 或 _____ % 电机功率

☐ 联轴器直接连接 ☐ FLENDER N-BIPPEX联轴器

应用工况

每日工作时间 ☐ 24 小时 ☐ _____ 小时/天

环境温度 ☐ 40°C ☐ _____ °C ☐ 20°C

允许最高油温 _____ °C

螺杆连接 ☐ 双键 ☐ 花键 (DIN5480) ☐ 其他 _____

挤出产品 ☐ 吹膜 ☐ 片材 ☐ 管材 ☐ 型材 ☐ 其他 _____

要求的推力轴承寿命 ☐ 20000 小时 ☐ 25000 小时
☐ 30000 小时 ☐ 其他 _____

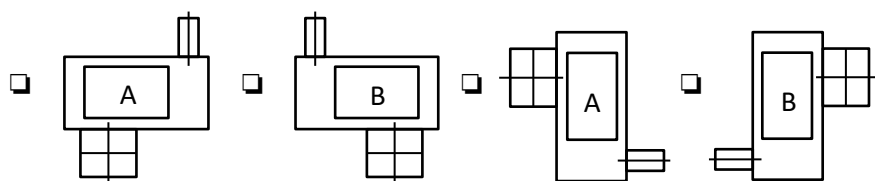
螺杆参数

螺杆直径 _____ mm

挤出压力 _____ bar 或 轴向推力 _____ kN

螺杆转速 _____ rpm

安装方式



如您有任何需求请联系：

FLENDER 伴您左右

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