



### OMM型号说明 Model Code

OMM系列马达壳体采用足够强度的球墨铸铁铸造而成，适用于负载较小且间隙工作的场合，广泛应用于农业林业、塑料、机床、矿业机械等。

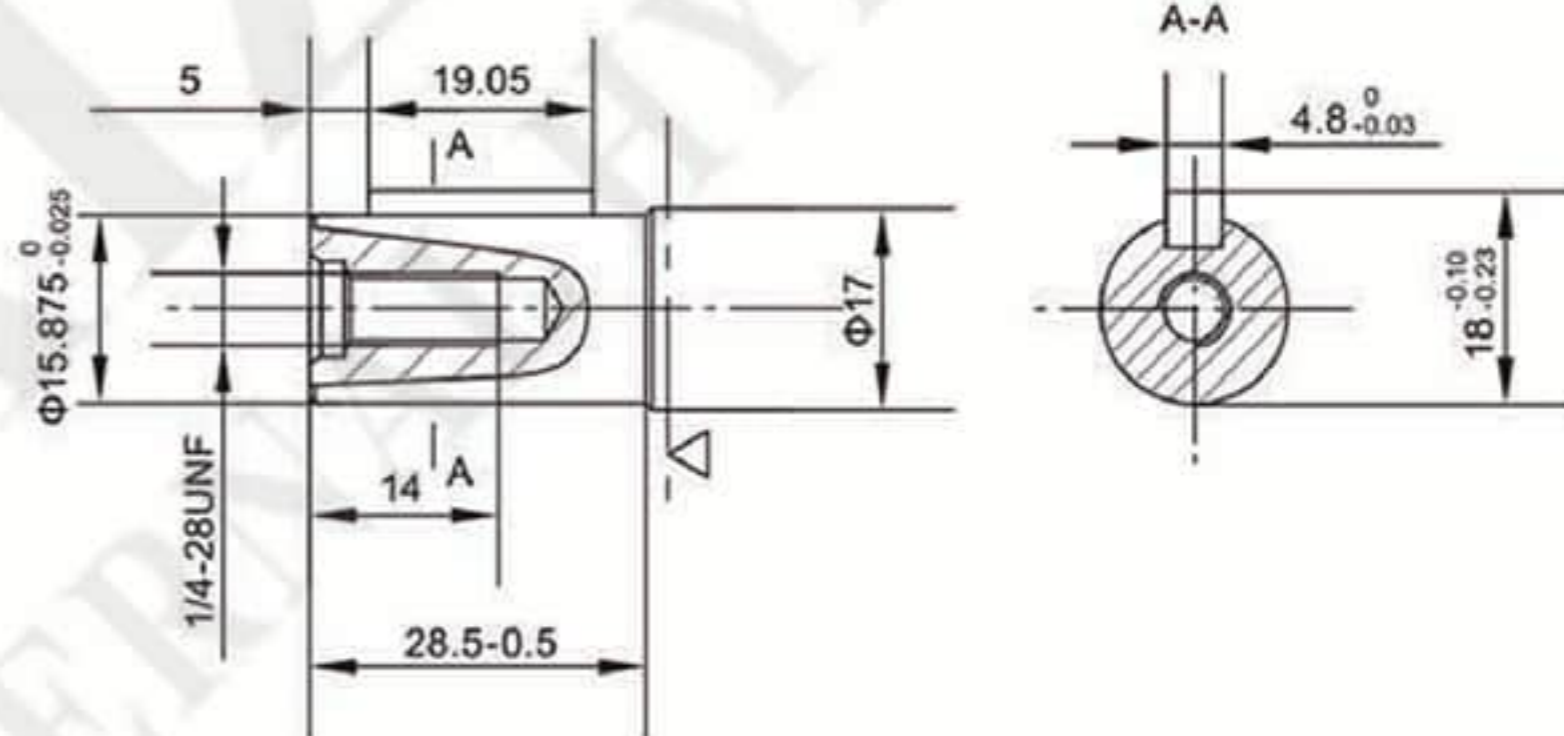
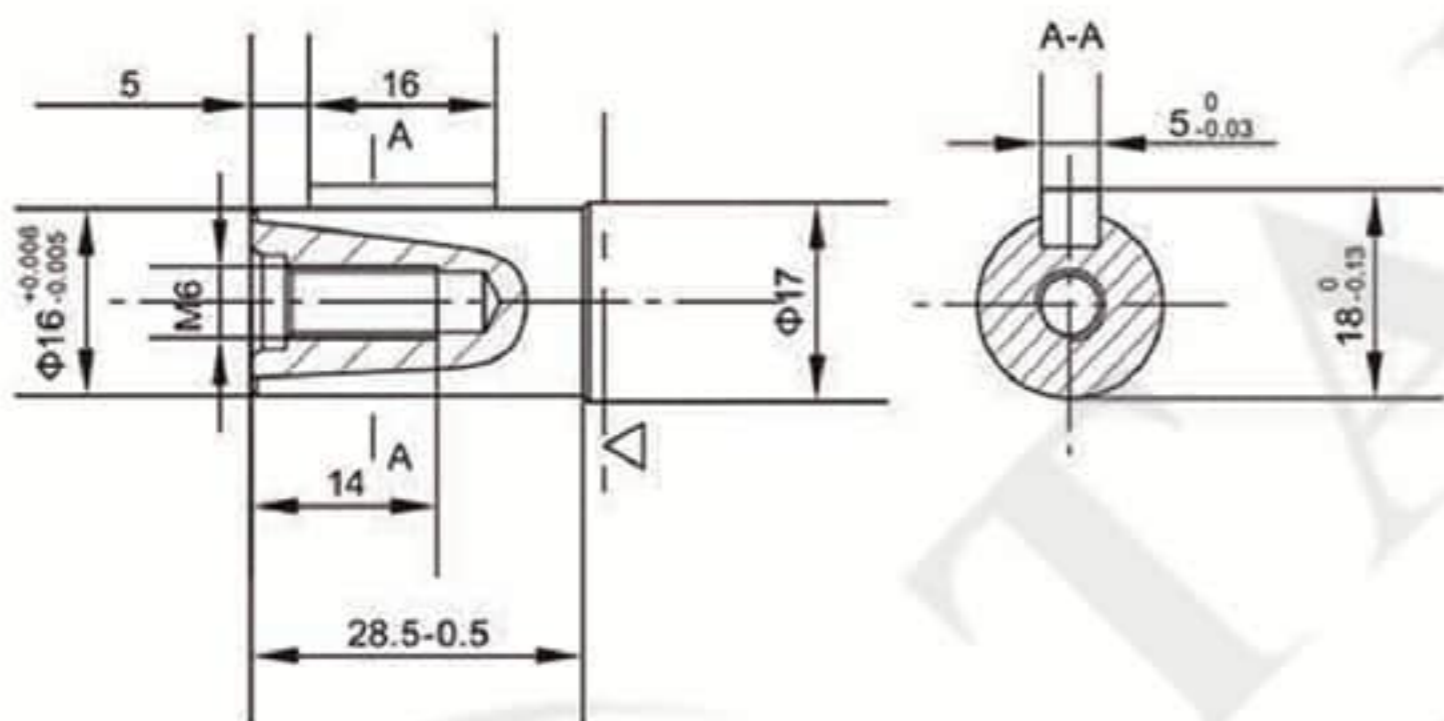
OMM Series motor with its shell made of ductile cast iron of adequate intensity, can be applied to situations with less and interval operation, widely to agriculture, forestry, plastic machine tools and minmachines etc.

OMM	-40	M	A	E		
系列 Code	排量 Displacement	安装法兰及止口 Mounting Flange & Spigot	输出轴 Shaft	油口 & 泄油口 Inlet & Outlet and Drain Port		
OMM	8, 12.5, 20, 32, 40, 50	M: 3-M6 圆法兰 Round Flange, 止口 Spigot $\phi 31.5 \times 5$ U: 3-1/4-28UNF 圆法兰 Round Flange, 止口 Spigot $\phi 31.5 \times 5$ F: 2- $\phi 9$ 菱形法兰 Diamond Flange, 止口 Spigot $\phi 63 \times 2$ S: 特殊 Special	A: $\phi 16$ , key 5x5x16 B: $\phi 15.875$ , key 4.8x4.8x19.05 C: $\phi 16.5$ 花键 Spline Shaft, B17x14, DIN5482 S: 特殊轴 Special Shaft	E: 侧油口 Side Port G3/8, G1/8 U: 侧油口 Side Port 9/16-18UNF, 3/8-24UNF 1E: 后油口 Rear Port G3/8, G1/8 1U: 后油口 Rear Port 9/16-18UNF, 3/8-24UNF		
型号 Model	OMM-8	OMM-12.5	OMM-20	OMM-32	OMM-40	OMM-50
重量 Weight (KG)	1.9	2	2.1	2.2	2.3	2.4

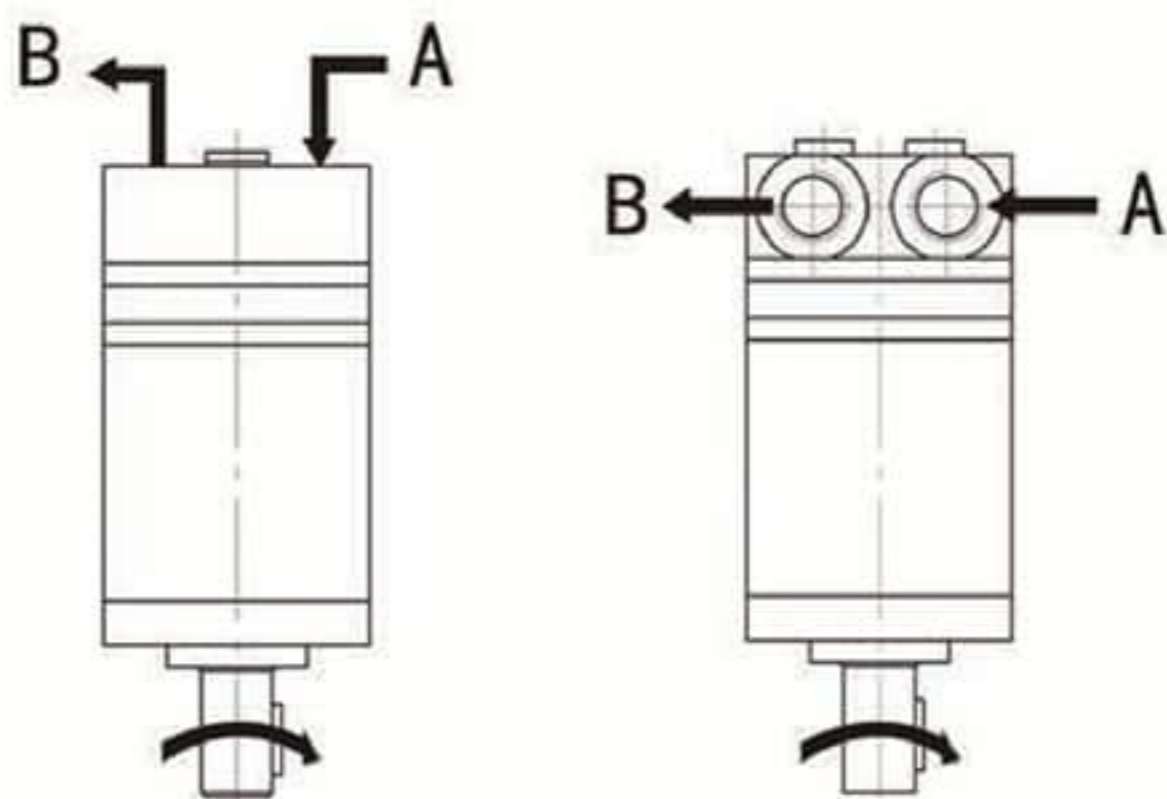
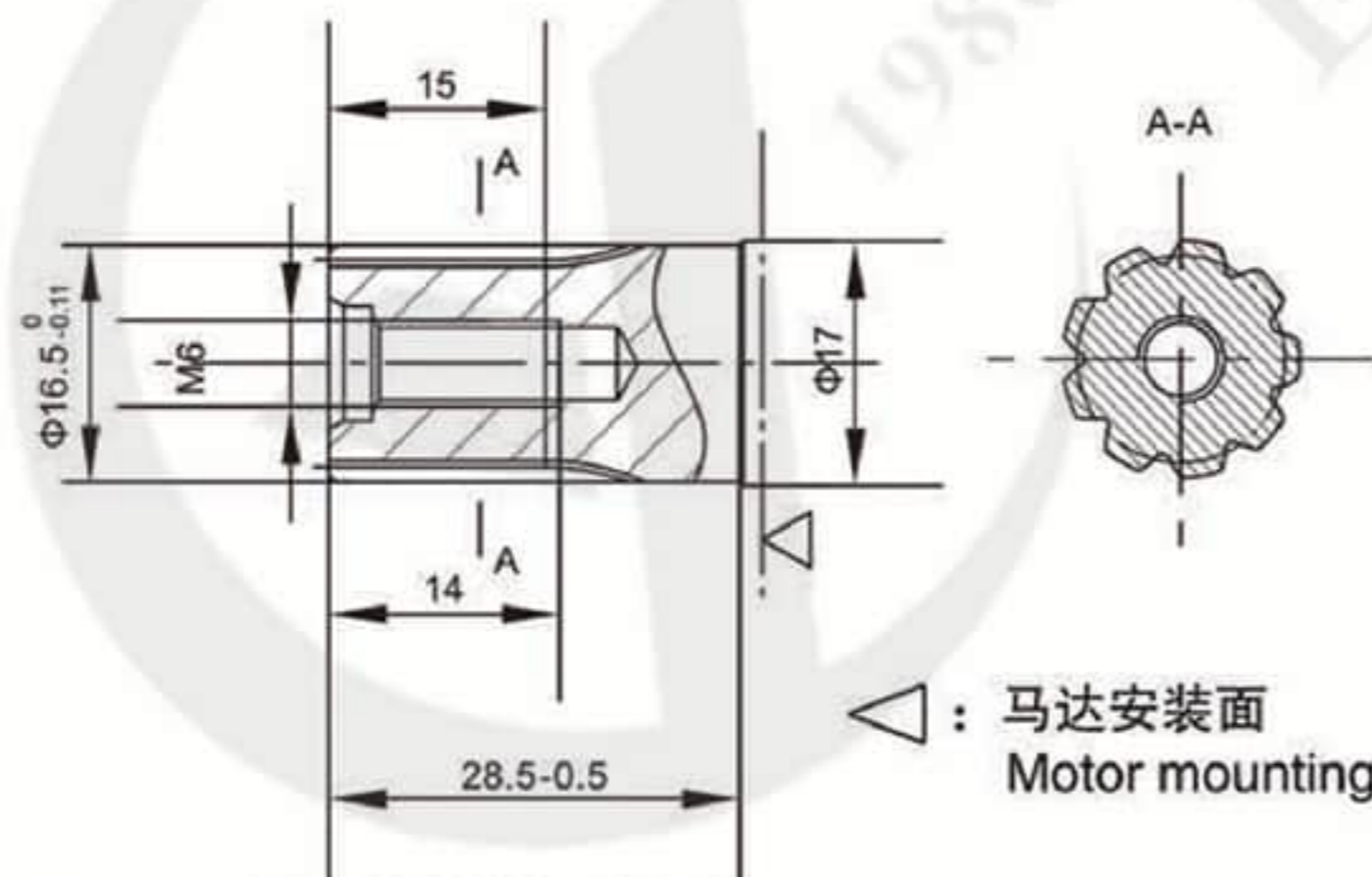
### OMM 外形安装尺寸-输出轴 Shaft Version

A:  $\phi 16$  平键轴, 平键 5x5x16  
 $\phi 16$  Straight Shaft Key 5X5X16

B:  $\phi 15.875$  平键轴, 平键 4.8x4.8x19.05  
 $\phi 15.875$  Straight Shaft Key 4.8x4.8x19.05



C:  $\phi 16.5$  渐开线花键轴 B17x14 DIN5482  
 $\phi 16.5$  involute splined shaft B17x14 DIN5482



△: 马达安装面  
Motor mounting surface

后油口 Rear Port

侧油口 Side Port

### OMM 输出轴旋向: 标准

OMM Direction of Shaft Rotation: Standard

面向马达输出轴方向:

当“A”口进油时, 马达顺时针方向旋转;

当“B”口进油时, 马达逆时针方向旋转。

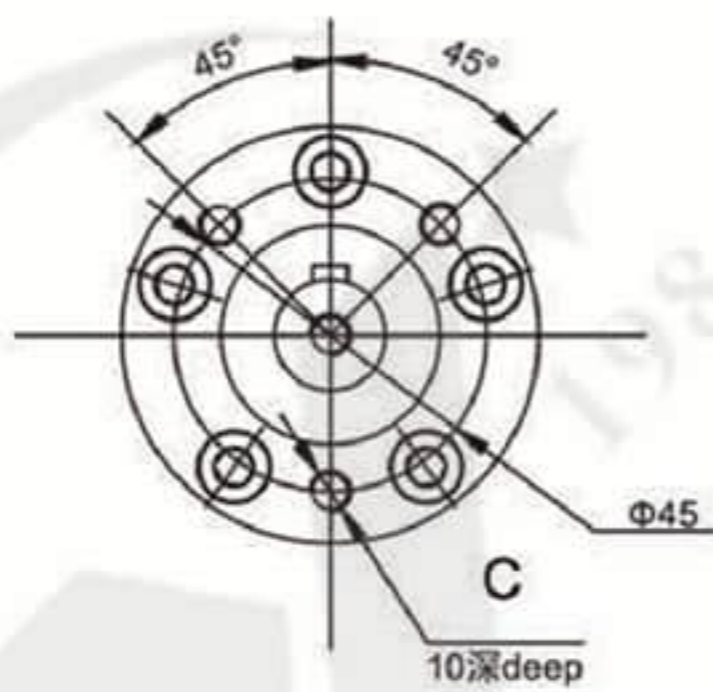
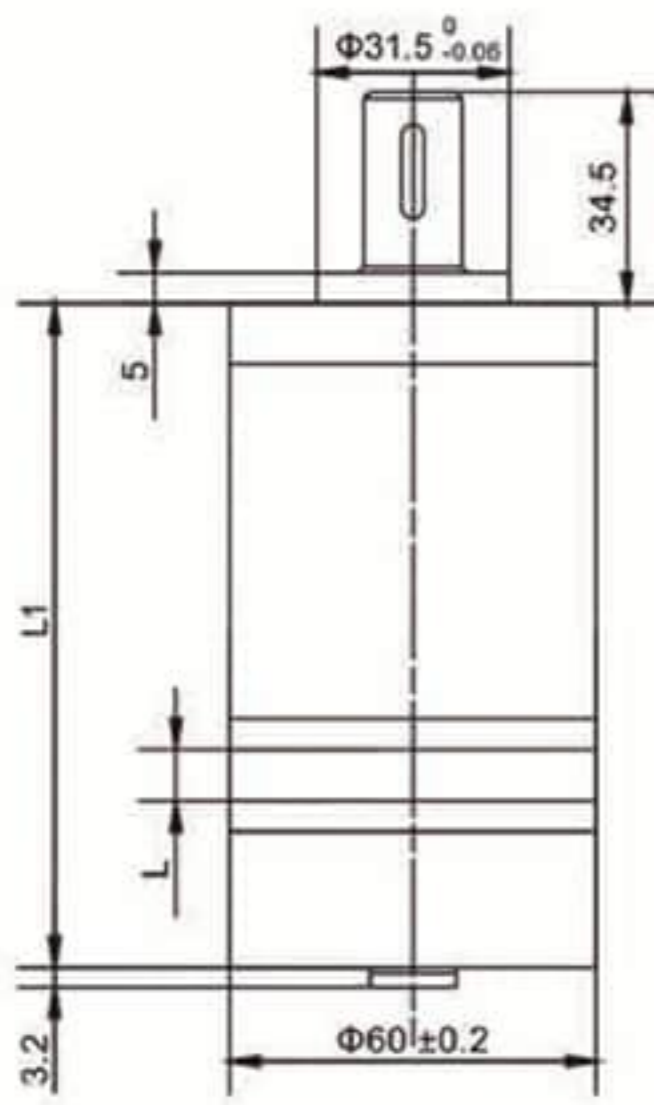
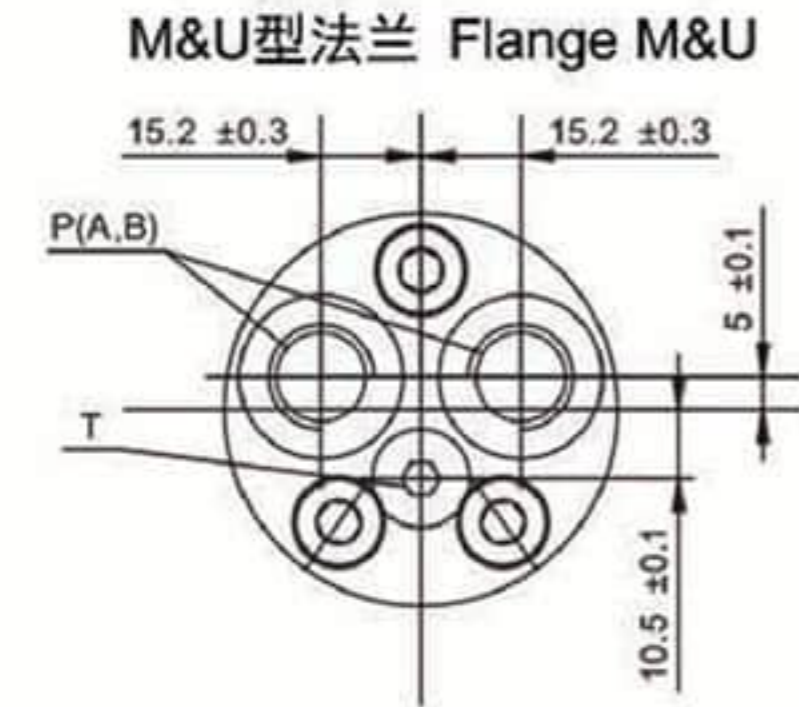
When facing shaft end of motor, shaft to rotate:

Clockwise when port "A" is pressurized;

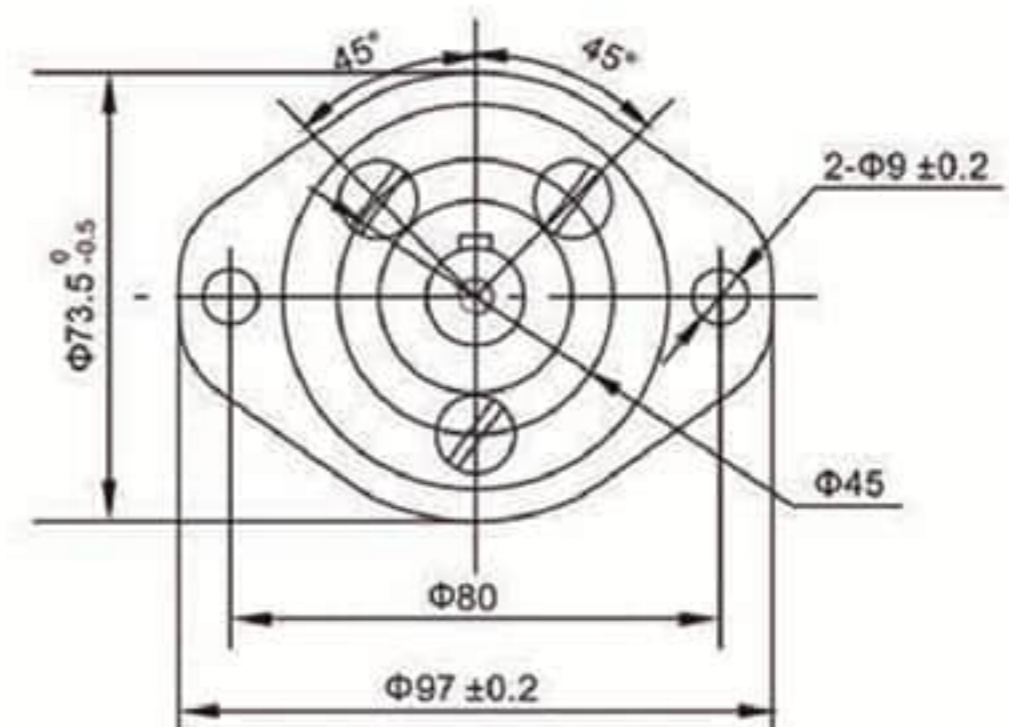
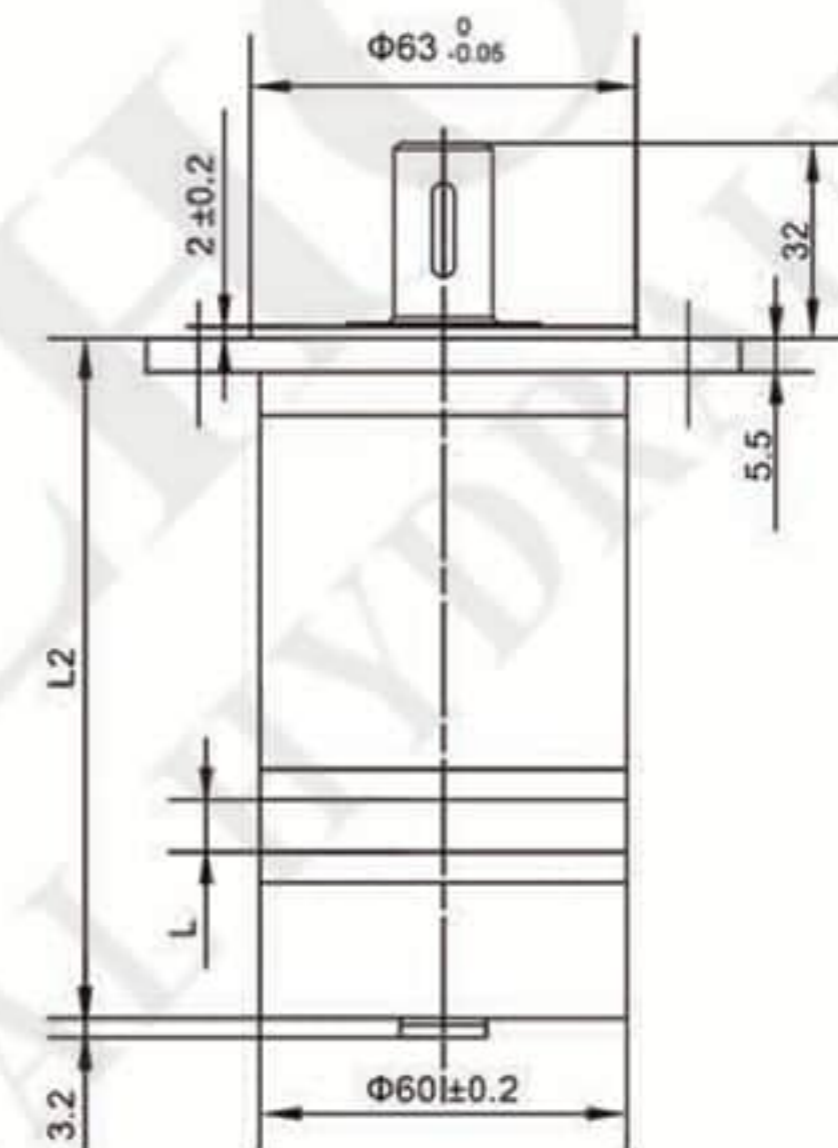
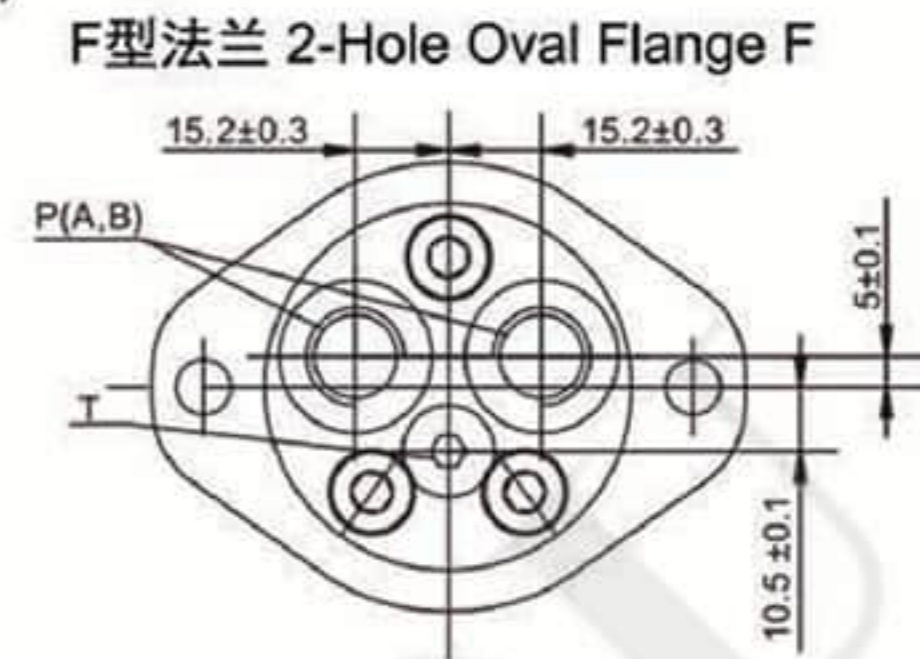
Counter-clockwise when port "B" is pressurized.

■ OMM外形安装图 Installation

1E&1U后油口 (Rear Port)



连接尺寸 Connection Size	代号Code	
	M	U
C	3-M6	3-1/4-28UNF



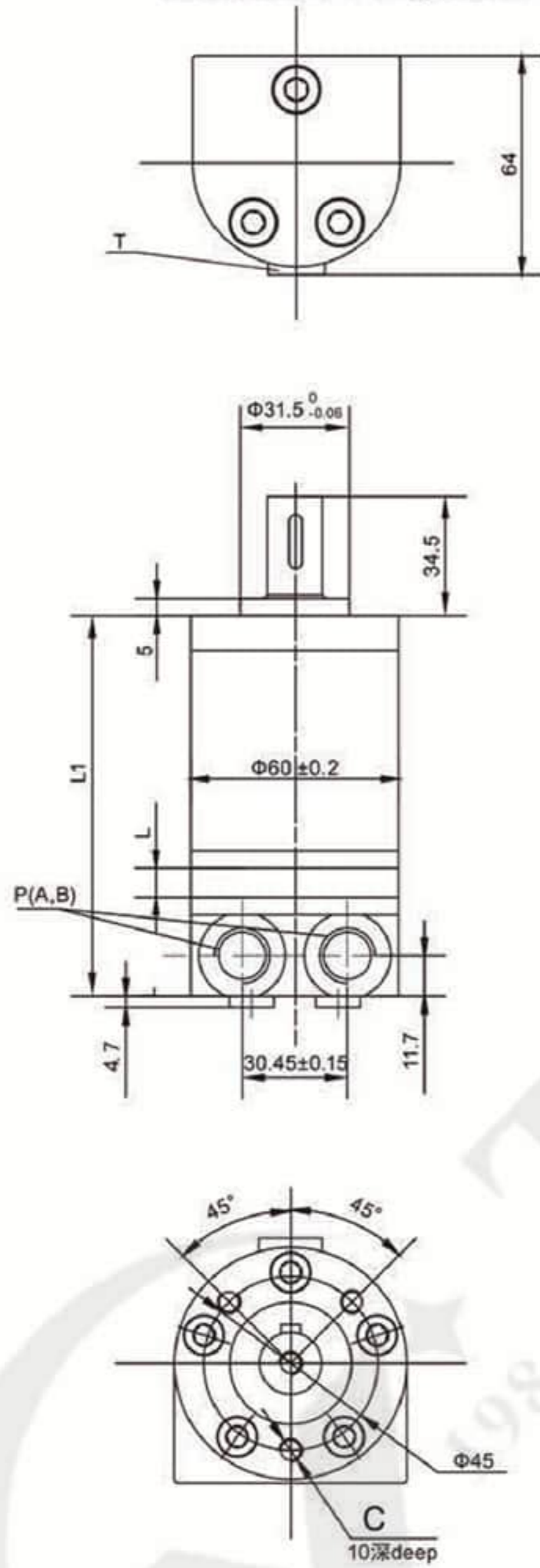
连接尺寸 Connection Size	代号Code			
	1E	1U	E	U
P	G3/8(12)	9/16-18UNF(12)	G3/8(12)	9/16-18UNF(12)
T	G1/8(8)	3/8-24UNF(8)	G1/8(8)	3/8-24UNF(8)

型号Type	OMM-8	OMM-12.5	OMM-20	OMM-32	OMM-40	OMM-50
L	3.5	5.5	8.5	13.5	17	21.5
L1	104	106	109	114	117.5	122
L2	107.5	109.5	112.5	117.5	121	125.5

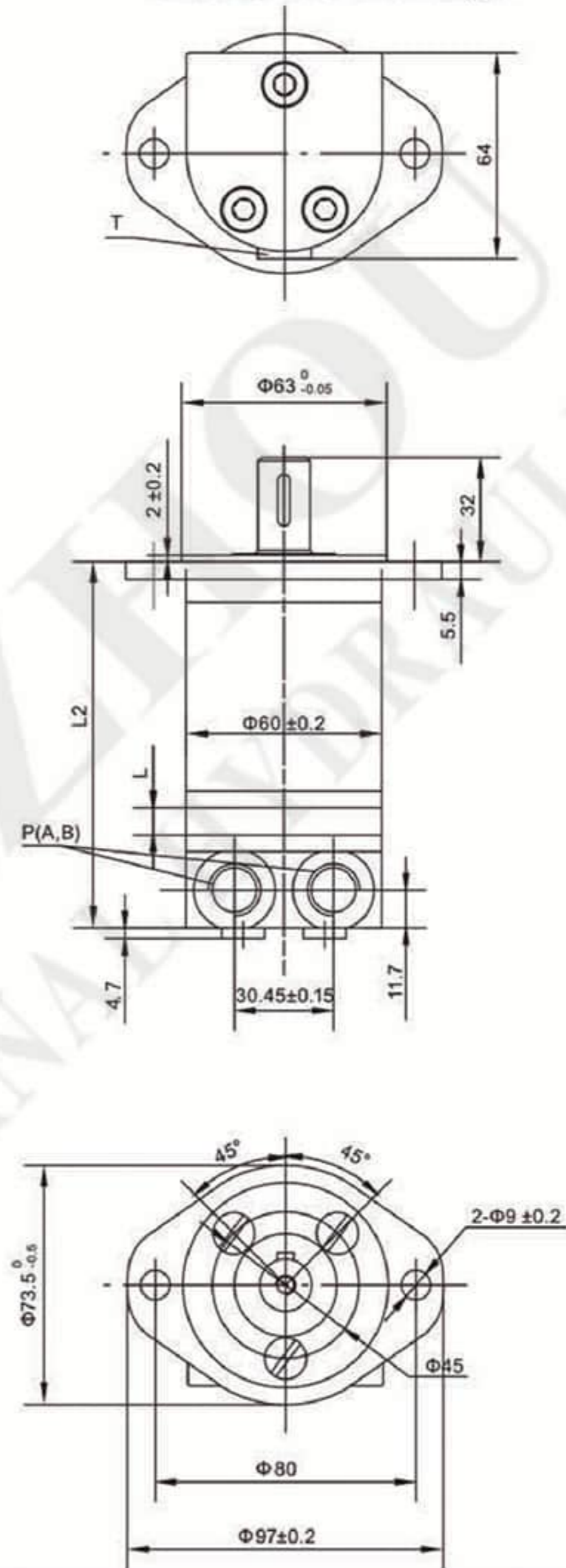
■ OMM外形安装图 Installation

E&U侧油口 (Side Port)

M&U型法兰 Flange M&U



F型法兰 2-Hole Oval Flange F



连接尺寸 Connection Size	代号Code	
	M	U
C	3-M6	3-1/4-28UNF

连接尺寸 Connection Size	代号Code			
	1E	1U	E	U
P	G3/8(12)	9/16-18UNF(12)	G3/8(12)	9/16-18UNF(12)
T	G1/8(8)	3/8-24UNF(8)	G1/8(8)	3/8-24UNF(8)

型号Type	OMM-8	OMM-12.5	OMM-20	OMM-32	OMM-40	OMM-50
L	3.5	5.5	8.5	13.5	17	21.5
L1	105	107	110	115	118.5	123
L2	108.5	110.5	113.5	118.5	122	126.5

### ■ 特点 Feature:

OMR是一种轴配流式马达  
采用镶针齿定转子副设计，启动压力低，效率优于BMP马达。  
可靠的轴密封设计，承受背压高，可以串并联使用。  
正反转转向方便、转速平稳。

OMR Motor is one spool valve type motor,  
Advanced manufacturing devices for the geroler gear set, the efficiency is better than OMP motor.  
Shaft seal can bear high pressure of back and the motor can be used in parallel or in series.



### ■ OMP/OMR型号说明 Model Code

OMP	-125	S	A1	P3	Y10
系列 Code	排量 Displacement	油口类型 Port Type	安装法兰及止口 Mounting Flange&Spigot	输出轴 Shaft	油口&泄油口 Inlet&Outlet and Drain
OMP OMR	40,50,63,80,100, 125,160,200,250, 315,400,500	S: S Type H: H Type L: L Type	参照下图 See Below Drawing		
OMRW	-160	A	Z	Y	
系列 Code	排量 Displacement	安装法兰及止口 Mounting Flange&Spigot	输出轴 Shaft	油口&泄油口 Inlet&Outlet and Drain	
OMRW OMRW1	40,50,80,100,125,160, 200,250,315,400	A: 4-φ13.5方形法兰 Square Flange, 止口 Poiltφ82.5x9	参照下图 See Below Drawing		

### ■ OMR技术参数 Technical Data

型号 Type	OMP OMRW	OMP OMRW	OMP OMRW	OMP OMRW	OMP OMRW	OMP OMRW	OMP OMRW	OMP OMRW	OMP OMRW	
	50	80	100	125	160	200	250	315	400	
排量 Displacement.(ml/r)	51.7	80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9	
最大压降 Max.Pressure. Drop (Mpa)	连续 cont.	14	14	14	14	14	14	11	9	7
	间断 int.	17.5	17.5	17.5	17.5	17.5	17.5	14	11	9
	尖峰 peak.	20	20	20	20	20	20	16	13	11
最大扭矩 Max.torque (Nm)	连续 cont.	93	152	194	237	310	369	380	380	380
	间断 int.	118	189	236	296	378	450	470	470	470
	尖峰 peak.	135	216	270	338	433	509	540	540	540
转速范围(连续) Speed.Range(cont.)(r/min)	10-775	10-750	10-600	10-475	10-375	10-300	10-240	10-190	10-160	
最大流量(连续) Max.Flow(cont.)(L/min)	40	60	60	60	60	60	60	60	60	
最大输出功率(连续)(Kw) Max.Output.Power(cont.)	7	10	10	10	10	8	6	5	4	
重量 Weight(Kg)	6.5	6.9	7.0	7.3	7.5	8.0	8.5	9.0	11	

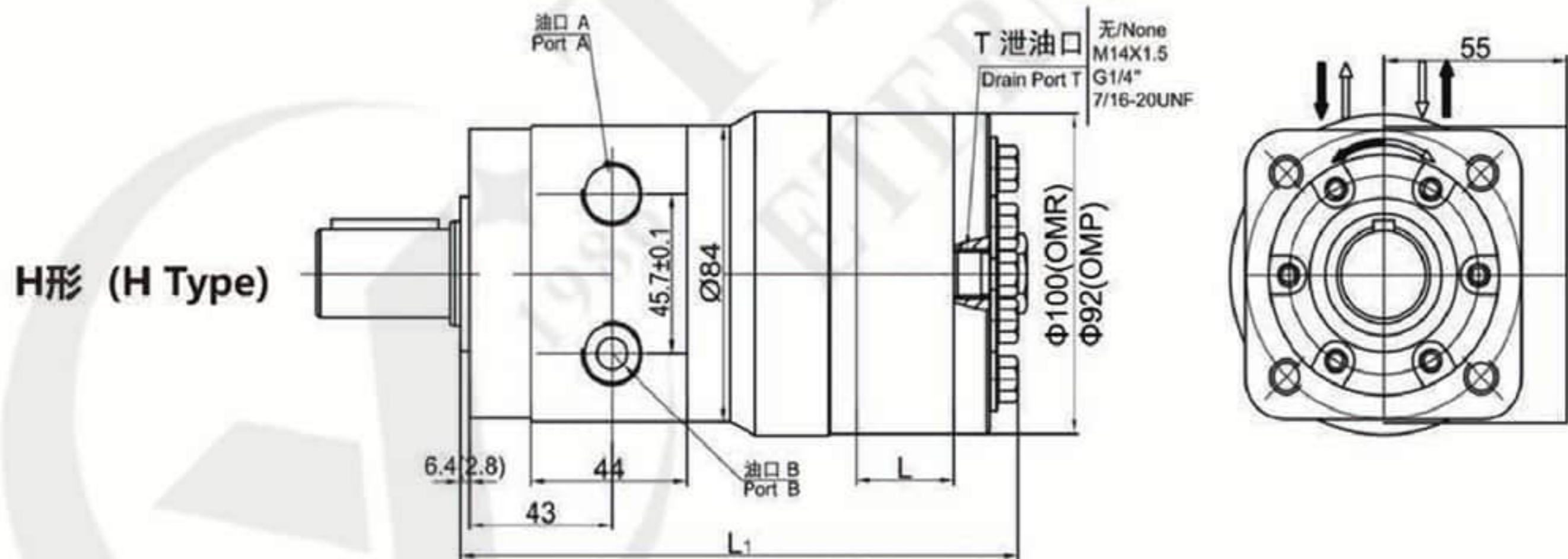
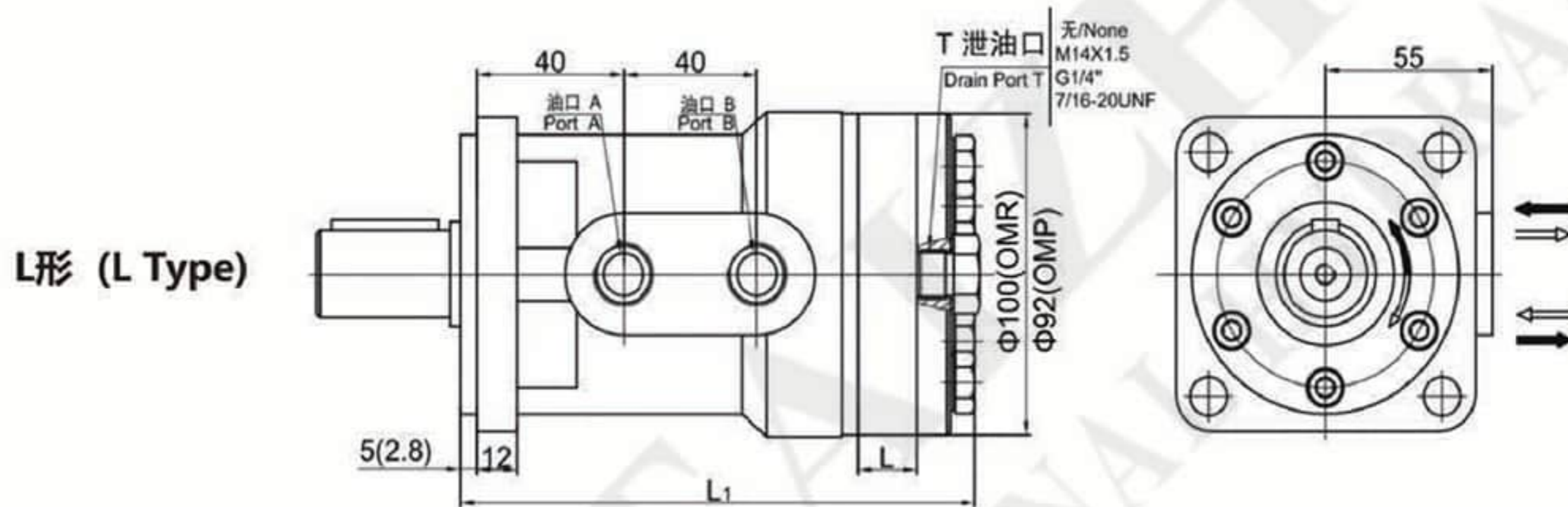
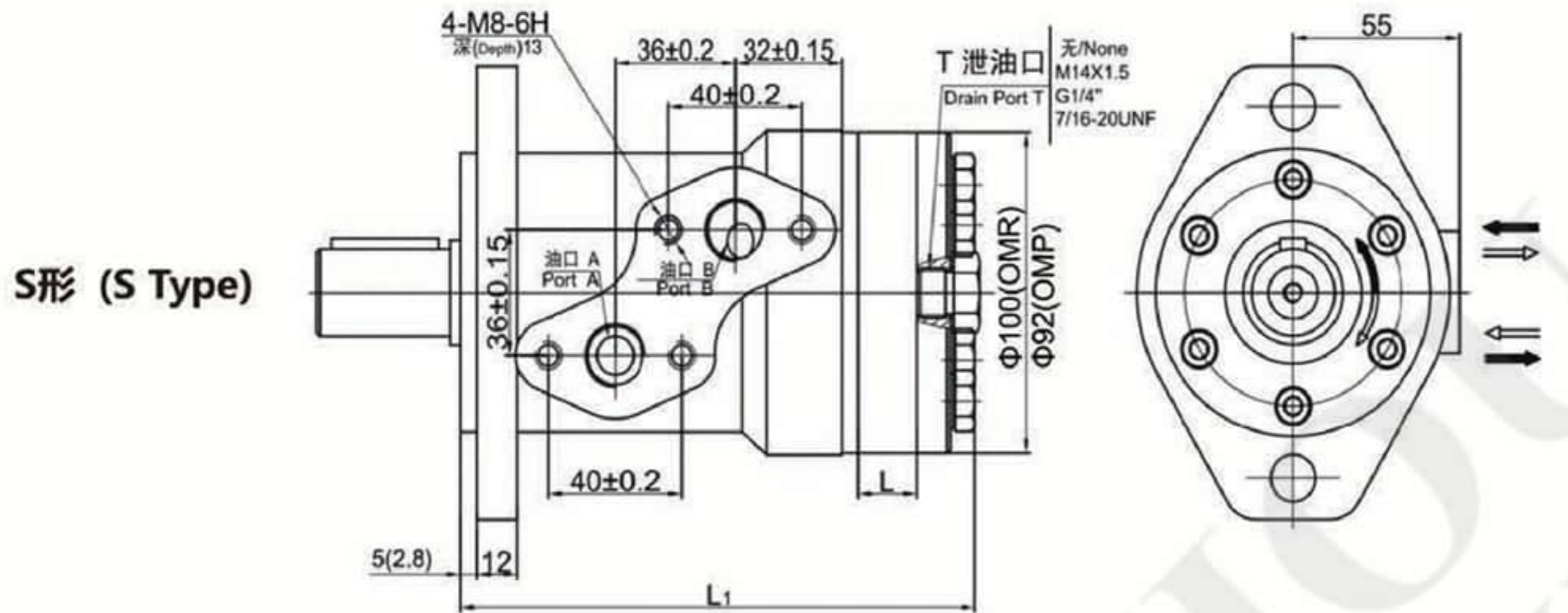
间断工作时间每分钟不得超过6秒，尖峰工作时间每分钟不得超过0.6秒。

Intermittent operation the permissible values may occur for max.10% of every minute,

Peak load:the permissible values may occur for max.1% of every minute.

轴承受最大扭矩 ( N.m ) : Φ25, Φ25.4花键轴为360, Φ25, Φ25.4平键轴为300。

■ OMP/OMR马达连接尺寸&外形图 Dimension&Mounting



输出轴负载能力 Shaft Load Capacity:  
径向负载 Radial Load: 400Kg Max.  
轴向负载 Axis Load: 200Kg Max.

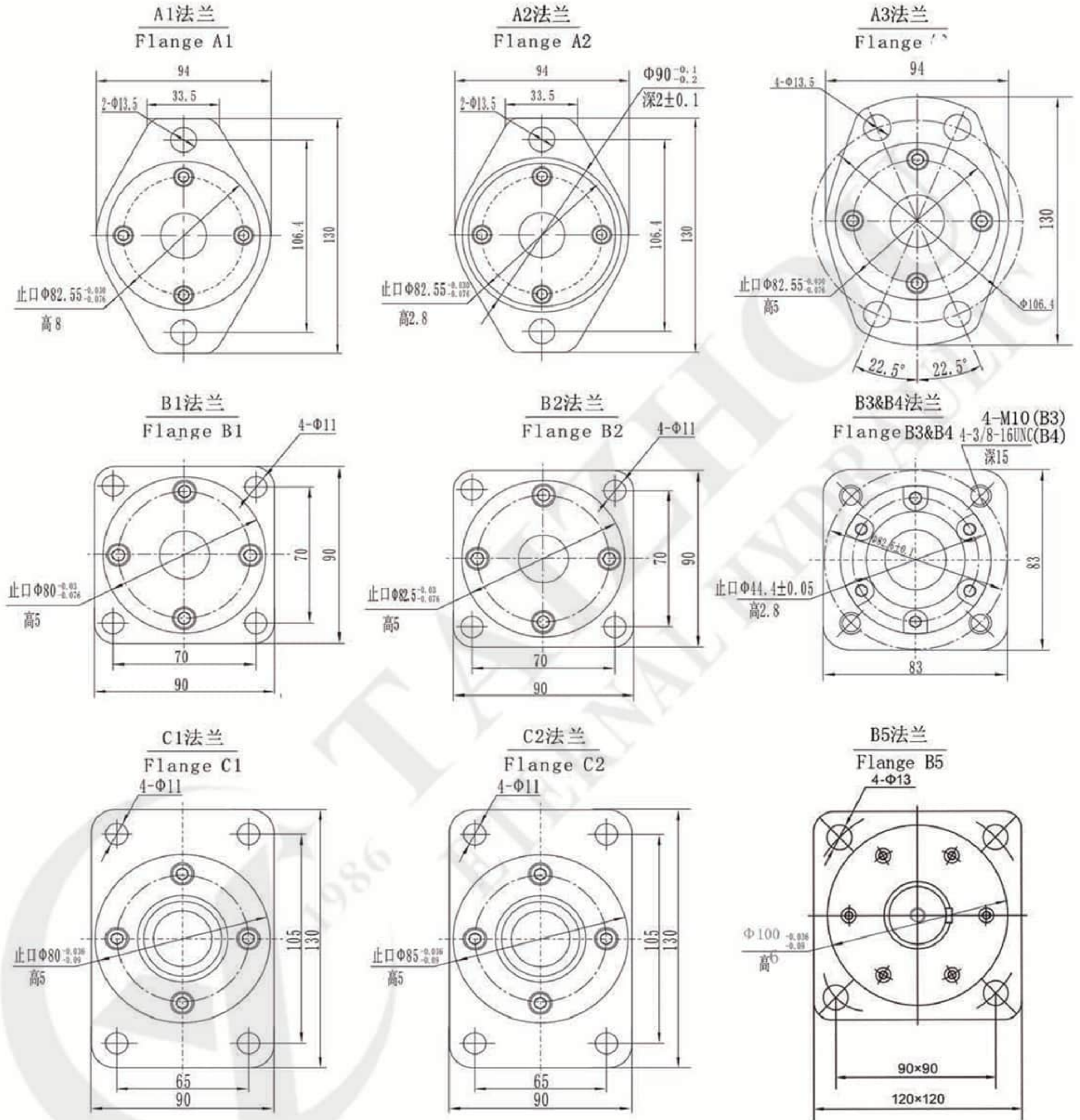


排量 Displacement	50	63	80	100	125	160	200	250	315	400
L	9	11.5	14.5	18	22.5	28.8	37	44.6	55	72
L <sub>1</sub>	147	149.5	152.5	156	160.5	168.8	175	182.6	193	210

马达标准旋向:

面对输出轴轴端, A油口进油, 马达顺时针旋转。  
Standard Direction of The Motor Rotation:  
CW---When A Port pressurized, Viewed From the Shaft End.

■ OMP/OMR 马达安装法兰 Mounting Flange



OMP/OMR油口代号 Port Code

油口 Ports 代号 Code	P(A、B)(深deep)	C (深deep)	T (深deep)
Y	G1/2 (15)	M8 (13)	M14×1.5 (12)
Y1	M18×1.5 (15)	M8 (13)	M14×1.5 (12)
Y2	M22×1.5 (15)	M8 (13)	M14×1.5 (12)
Y4	ZG3/8 (15)	M8 (13)	M14×1.5 (12)
Y5	7/8-14UNF (15)	—	M14×1.5 (12)
Y7	ZG1/2 (15)	M8 (13)	M14×1.5 (12)
Y8	NPT1/2 (15)	M8 (13)	M14×1.5 (12)
Y9	NPTF1/2 (15)	5/16-18UNC (13)	7/16-20UNF (12)
Y10	G1/2 (15)	M8 (13)	G1/4 (12)
Y15	7/8-14UNF (15)	5/16-18UNC (13)	7/16-20UNF (12)
Y17	3/4-16UNF(15)	—	7/16-20UNF(12)
Y19	Φ11(15)	5/16-18UNC(13)	7/16-20UNF(12)
Y20	M18×1.5(15)	M8 (13)	G1/4(12)

注: P(A、B)---进油口, C---油口面安装螺纹 (—表示没有此螺纹孔), T---泄油口

Note:P(A、B)—Ports, C—Mounting Thread (—Indicates no this thread), T—Drain connettion

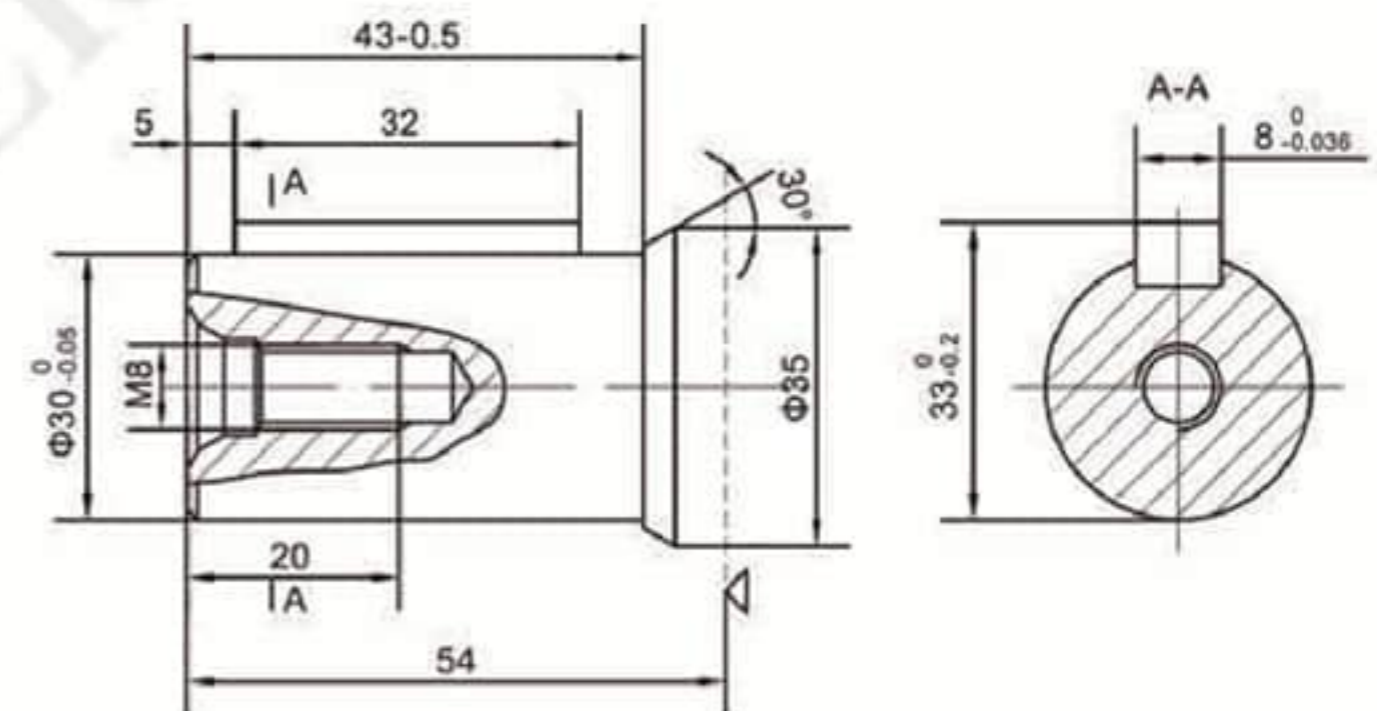
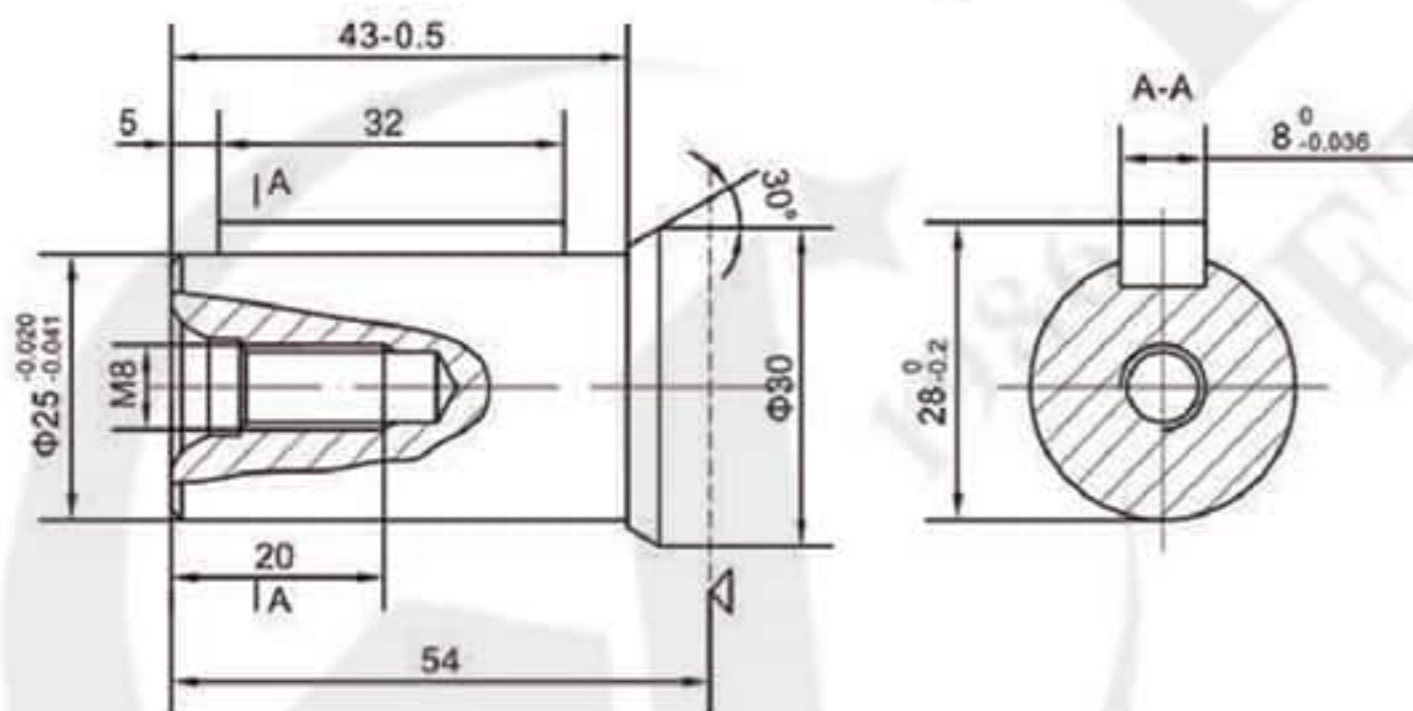
OMP/OMR外形安装尺寸—输出轴 Shaft Version

P1: Φ25平键轴, 平键8×7×32

Φ25 Cylindrical shaft, parallel key8×7×32

P2: Φ30平键轴, 平键8×7×32

Φ30 Cylindrical shaft, parallel key8×7×32

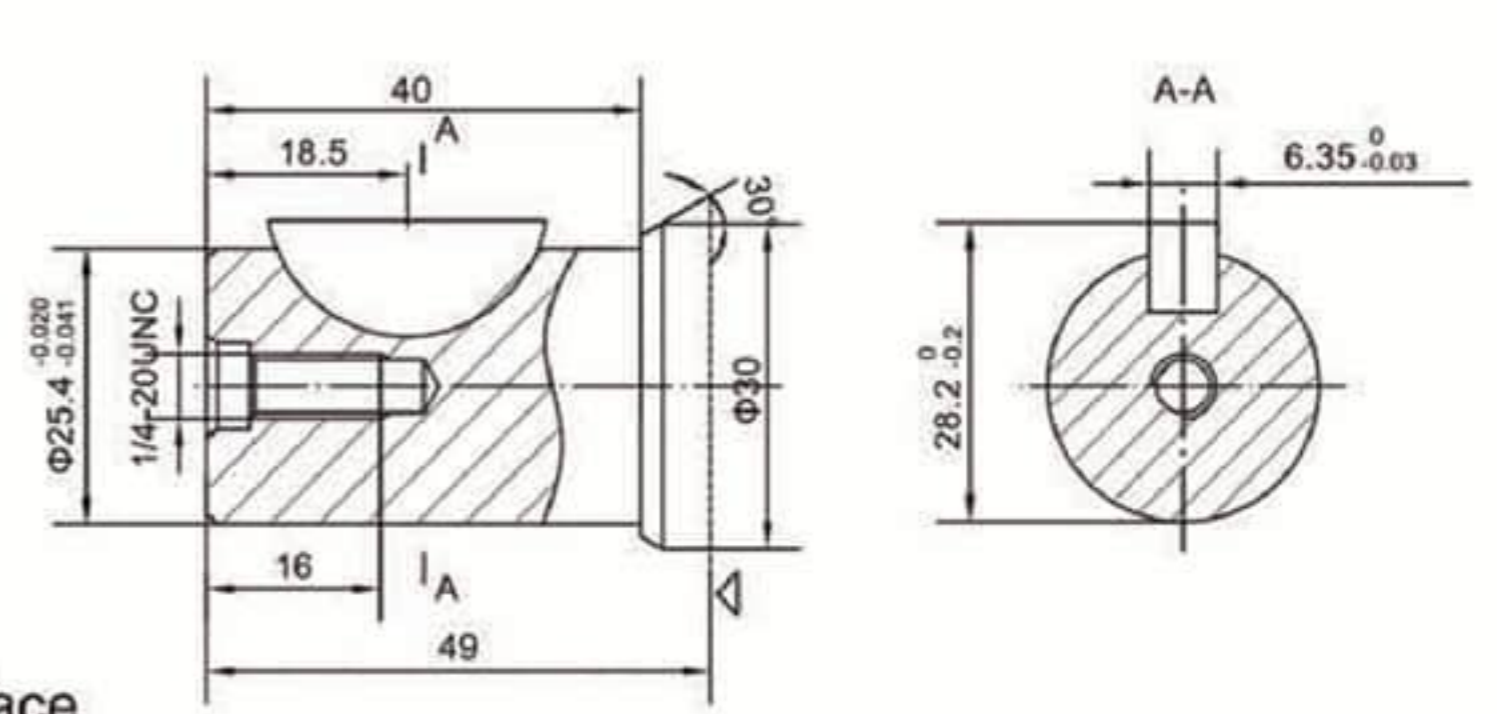
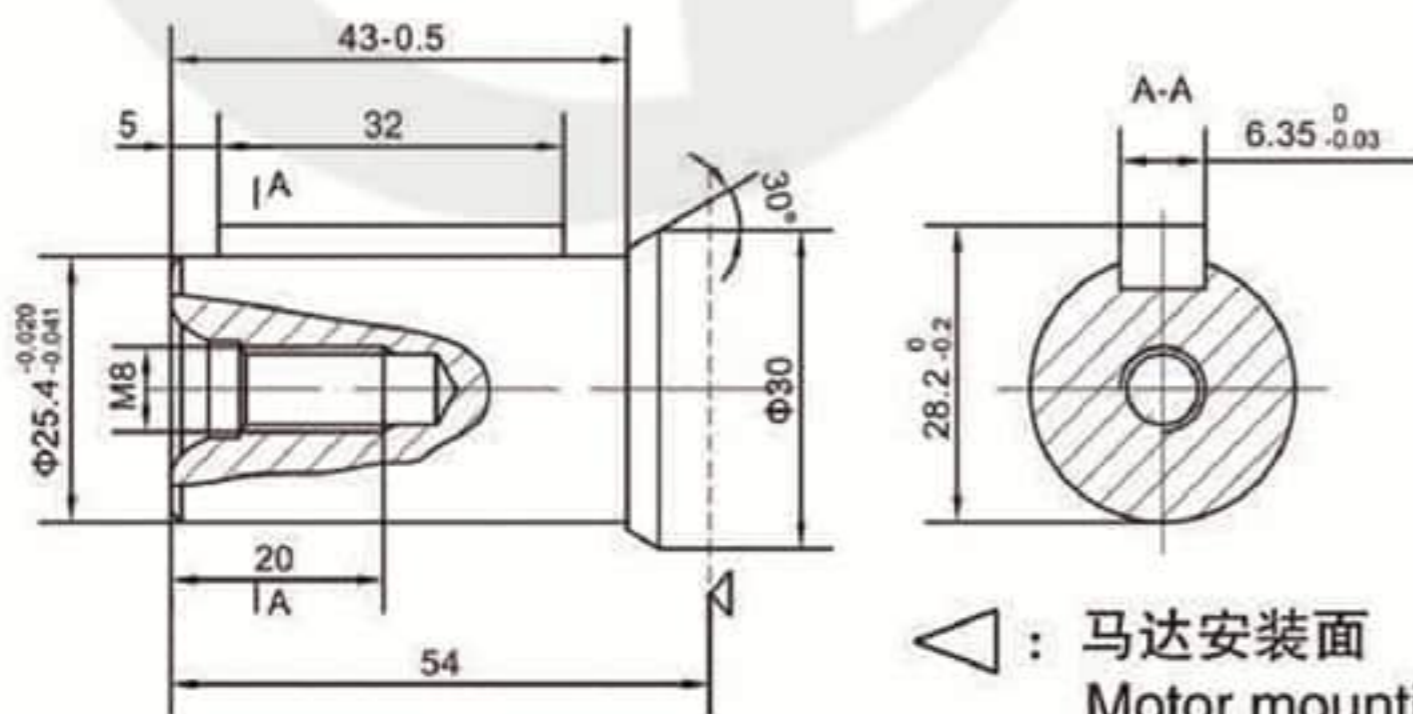


P3: Φ25.4平键轴, 平键6.35×6.35×32

Φ25.4 Cylindrical shaft, parallel key6.35×6.35×32

P4: Φ25.4平键轴, 半圆键Φ25.4×6.35

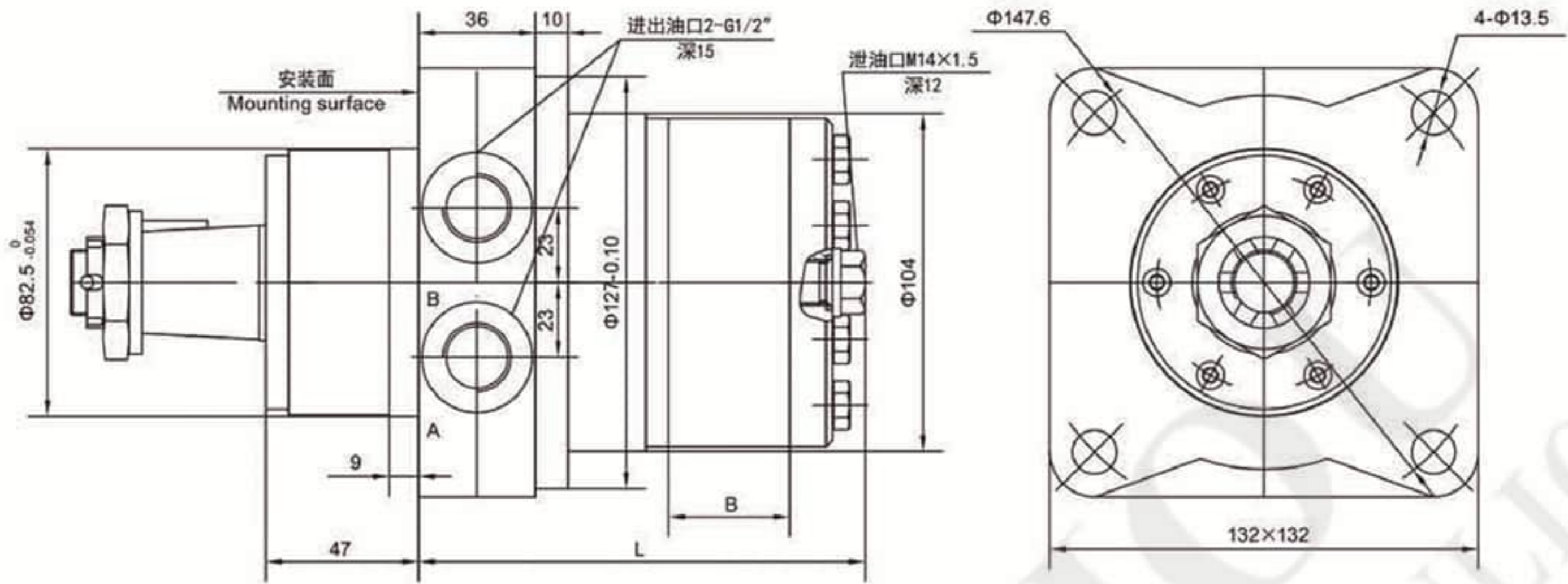
Φ25.4 Cylindrical shaft, Woodruff keyΦ25.4×6.35



△: 马达安装面  
Motor mounting surface



■ OMRW轮用马达外形安装图 Installation



型号Type	BMRW-50	BMRW-80	BMRW-100	BMRW-125	BMRW-160	BMRW-200	BMRW-250	BMRW-315	BMRW-400
L	108	113	117	121	127	134	143	155	169
B	9	14	17.5	22	28	35	44	56	70

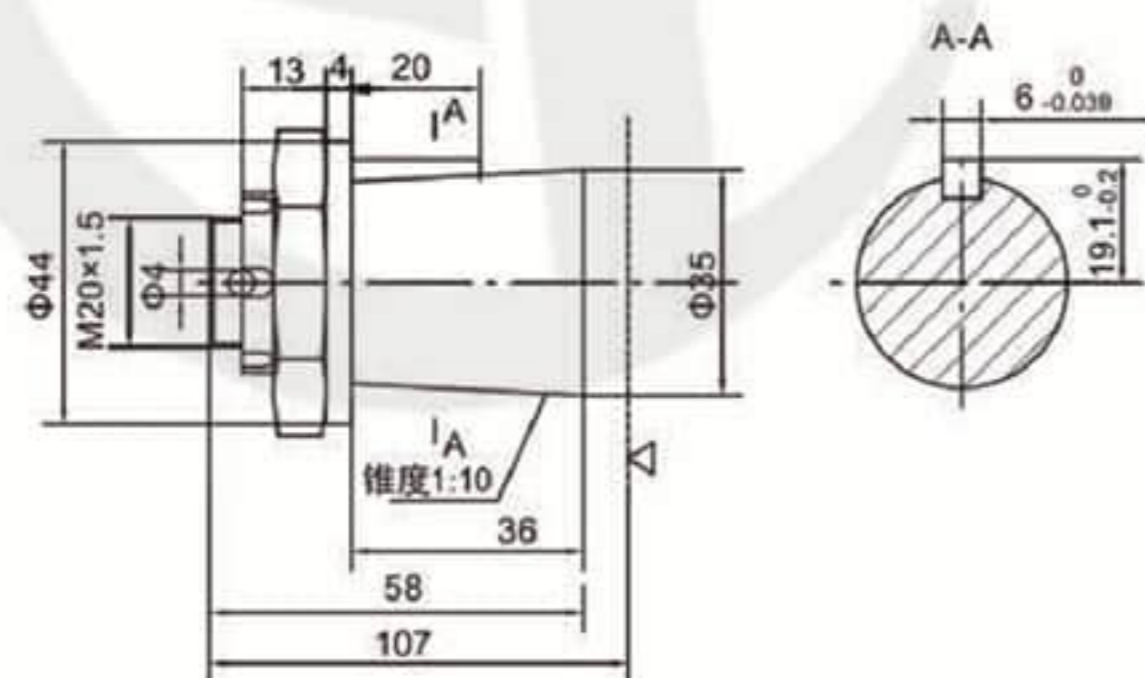
■ OMRW油口代号 Port Code

油口 Ports	P(A、B)(深deep)	C (深deep)	T (深deep)
代号 Code			
Y	G1/2 (15)	—	M14 × 1.5(12)

P(A、B)—进出油口, C—油口面安装螺纹孔 (—表示没有此螺纹孔), T—泄油口  
P(A、B)—Ports, C—Mounting Thread (—Indicates no this thread), T—Drain connetton

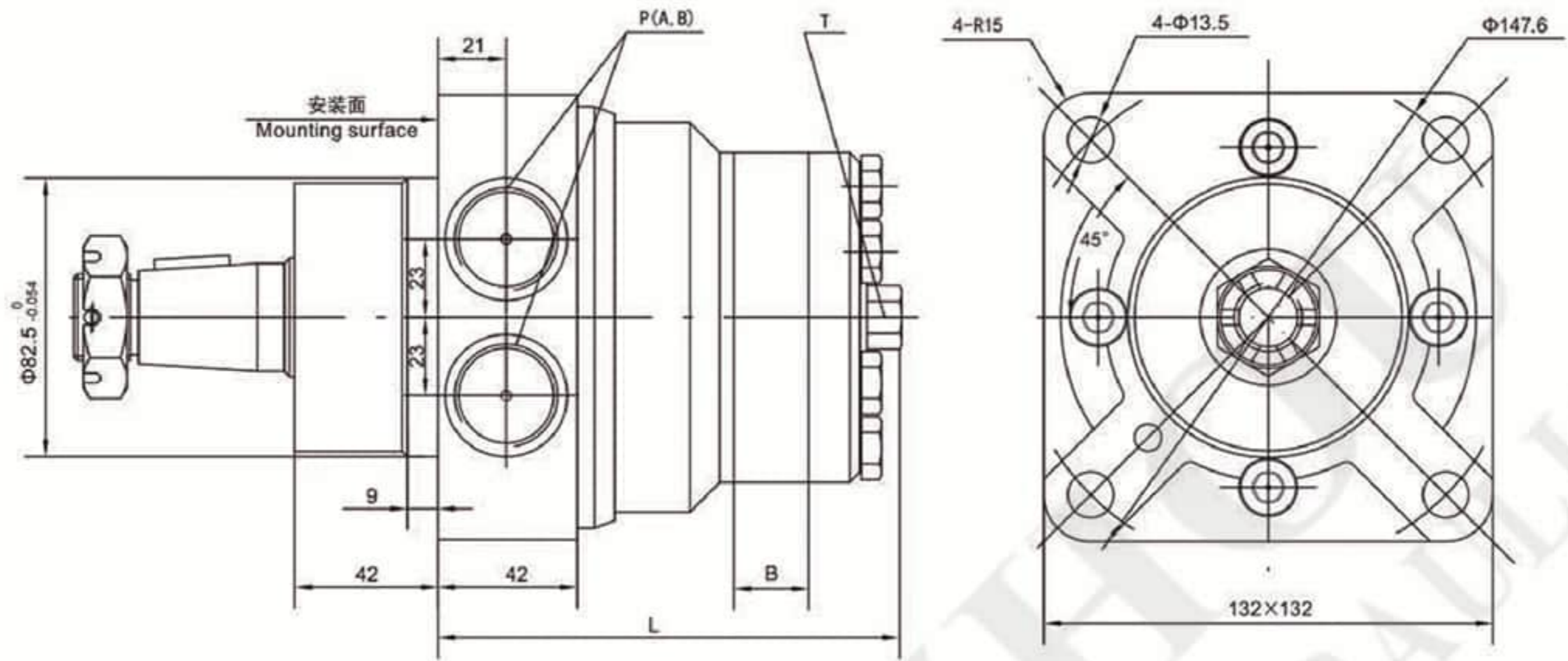
■ OMRW轮用马达外形连接尺寸—输出轴 Shaft Version

Z: Φ35锥轴, 锥度1:10, 平键B6 × 6 × 20  
Φ35 Tapered shaft, taper1:10, parallel key B6 × 6 × 20



◁ : 马达安装面  
Motor mounting surface

■ OMRW1轮用马达外形安装图 Installation



型号Type	OMRW1-50	OMRW1-80	OMRW1-100	OMRW1-125	OMRW1-160	OMRW1-200	OMRW1-250	OMRW1-315	OMRW1-400
L	125	130	134	138	144	151	160	172	186
B	9	14	17.5	22	28	35	44	56	70

■ OMRW1油口代号 Port Code

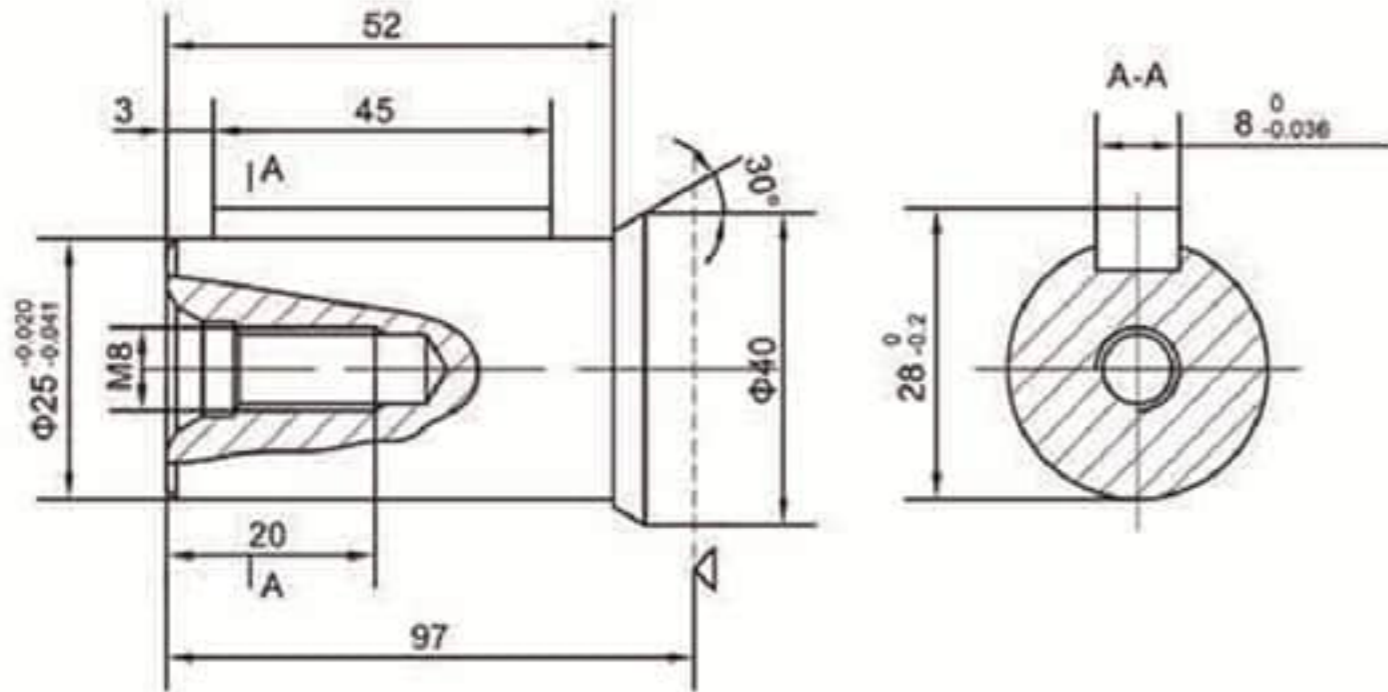
油口 Ports	P(A、B)(深deep)	C (深deep)	T (深deep)
代号 Code			
Y	G1/2 (15)	—	M14 × 1.5(12)
Y5	7/8-14UNF(15)	—	M14 × 1.5(12)
Y10	G1/2 (15)	—	G1/4 (12)

P(A、B)—进出油口，C—油口面安装螺纹孔（—表示没有此螺纹孔），T—泄油口

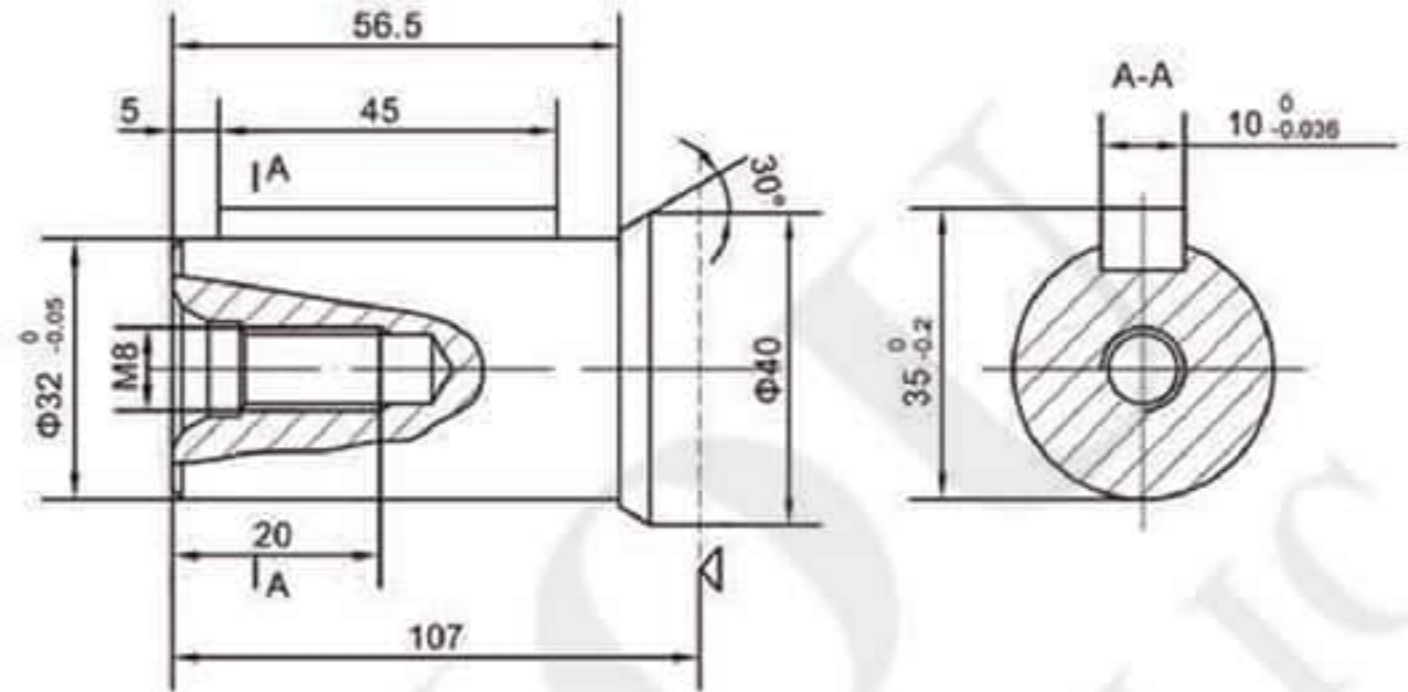
P(A、B)—Ports, C—Mounting Thread（—Indicates no this thread），T—Drain connettion

■ OMRW轮用马达输出轴 Shaft Version

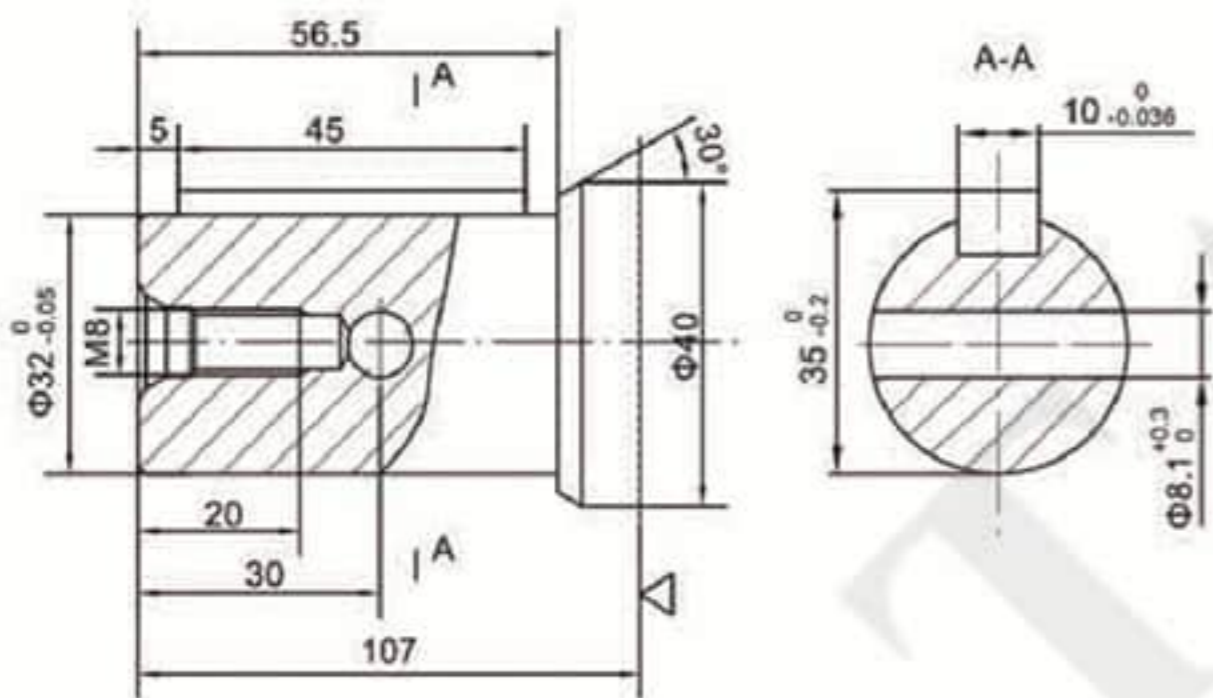
P1:  $\Phi 25$ 平键轴, 平键 $8 \times 7 \times 45$   
 $\Phi 25$  Cylindrical shaft, Parallel key  $8 \times 7 \times 45$



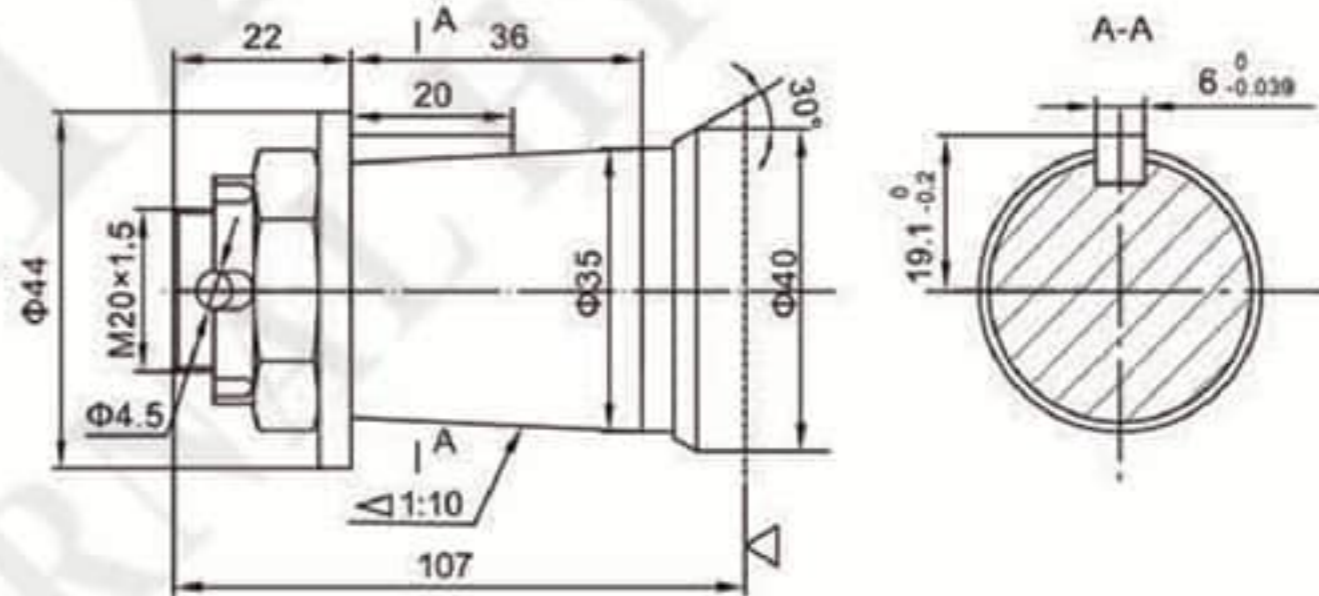
P5:  $\Phi 32$ 平键轴, 平键 $10 \times 8 \times 45$   
 $\Phi 32$  Cylindrical shaft, parallel key  $10 \times 8 \times 45$



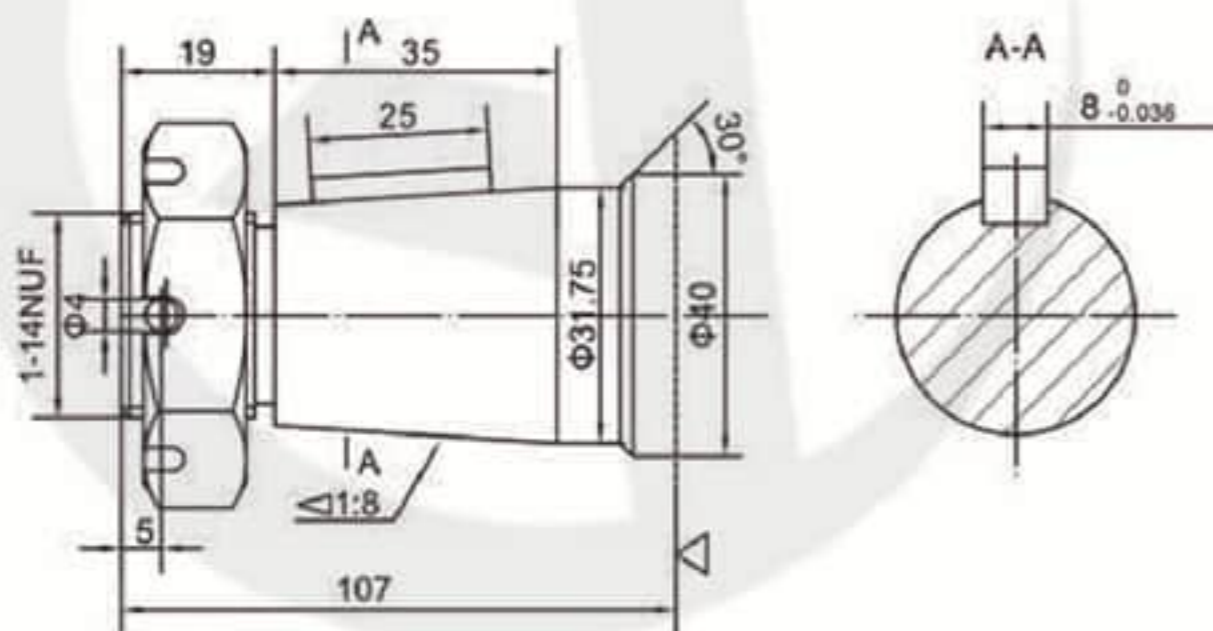
P6:  $\Phi 32$ 平键轴, 距轴端30处 $\Phi 8.1$ 通孔, 平键 $10 \times 8 \times 45$   
 $\Phi 32$  Cylindrical shaft, Cylindrical shaft pin hole  $\Phi 8.1$ , parallel key  $10 \times 8 \times 45$



Z:  $\Phi 35$ 锥轴, 锥度1:10, 平键 $B6 \times 6 \times 20$   
 $\Phi 35$  Tapered shaft, taper 1:10, parallel key  $B6 \times 6 \times 20$



Z1:  $\Phi 31.75$ 锥轴, 锥度1:8, 平键 $8 \times 7 \times 25$   
 $\Phi 31.75$  Tapered shaft, taper 1:8, parallel key  $8 \times 7 \times 25$



△ : 马达安装面  
Motor mounting surface

### ■ 特点 Feature:

OMS马达是一种盘配流马达

先进的盘配流设计, 低速性能好, 容积效率高, 并具有磨损自动补偿功能  
双列圆锥滚针轴承能够承受大的径向力, 并应用于重载荷驱动的场所

OMS motor is one disc valve type gerolor motor,

Advanced design of disc distribution flow, which can provide improved performance at low speed

Higher volumetric for the automatically copensate wear.

Double taper roller bearings permit high radial loads, can be used on heavy vehicles in traction drive applications



### ■ OMS型号说明 Model Code

OMS	-400	S1	B1	P1	E
系列 Code	排量 Displacement	泄油口位置 Drain Port Position	安装法兰及止口 Mounting Flange&Spigot	输出轴 Shaft	油口&泄油口 Inlet&Outlet and Drain Port
OMS	80,100,125, 160,200,250, 315,400,475	S1:隔板上 (on Spacer Plate) S2:后盖上 (on End Cover) S3: S3 Type	参照下图 See Below Drawing		

### ■ OMS技术参数 Technical Data

型号 TYPE	OMS-80 OMSS-80 OMSW-80	OMS-100 OMSS-100 OMSW-100	OMS-125 OMSS-125 OMSW-125	OMS-160 OMSS-160 OMSW-160	OMS-200 OMSS-200 OMSW-200	OMS-250 OMSS-250 OMSW-250	OMS-315 OMSS-315 OMSW-315	OMS-400 OMSS-400 OMSW-400	
排量 Displacement(ml/r)	80.5	100.5	126.3	160.8	200.9	252.6	321.5	401.9	
最大压降 Max.Pressure.Drop (Mpa)	连续 cont.	17.5	17.5	17.5	16	16	12.5	12.5	10
	间断 int.	20	20	20	20	20	16	16	14
	尖峰 peak.	22.5	22.5	22.5	22.5	22.5	20	20	17.5
最大扭矩 Max.torque (N.m)	连续 cont.	194	242	303	358	438	440	551	560
	间断 int.	218	283	345	429	540	580	625	687
	尖峰 peak.	271	318	373	459	576	700	831	865
转速范围 (连续) Speed.Range(cont.)(r/min)	10-810	10-750	9-600	7-470	6-375	6-300	5-240	5-180	
最大流量 (连续) Max.Flow(cont.)(L/min)	65	75	75	75	75	75	75	75	
最大输出功率 (连续) Max.Output.Power(cont.)(Kw)	14	16	16	14	14	11	10	8	
重量 Weight (kg)	9.8	10.0	10.3	10.7	11.1	11.6	12.3	13.1	

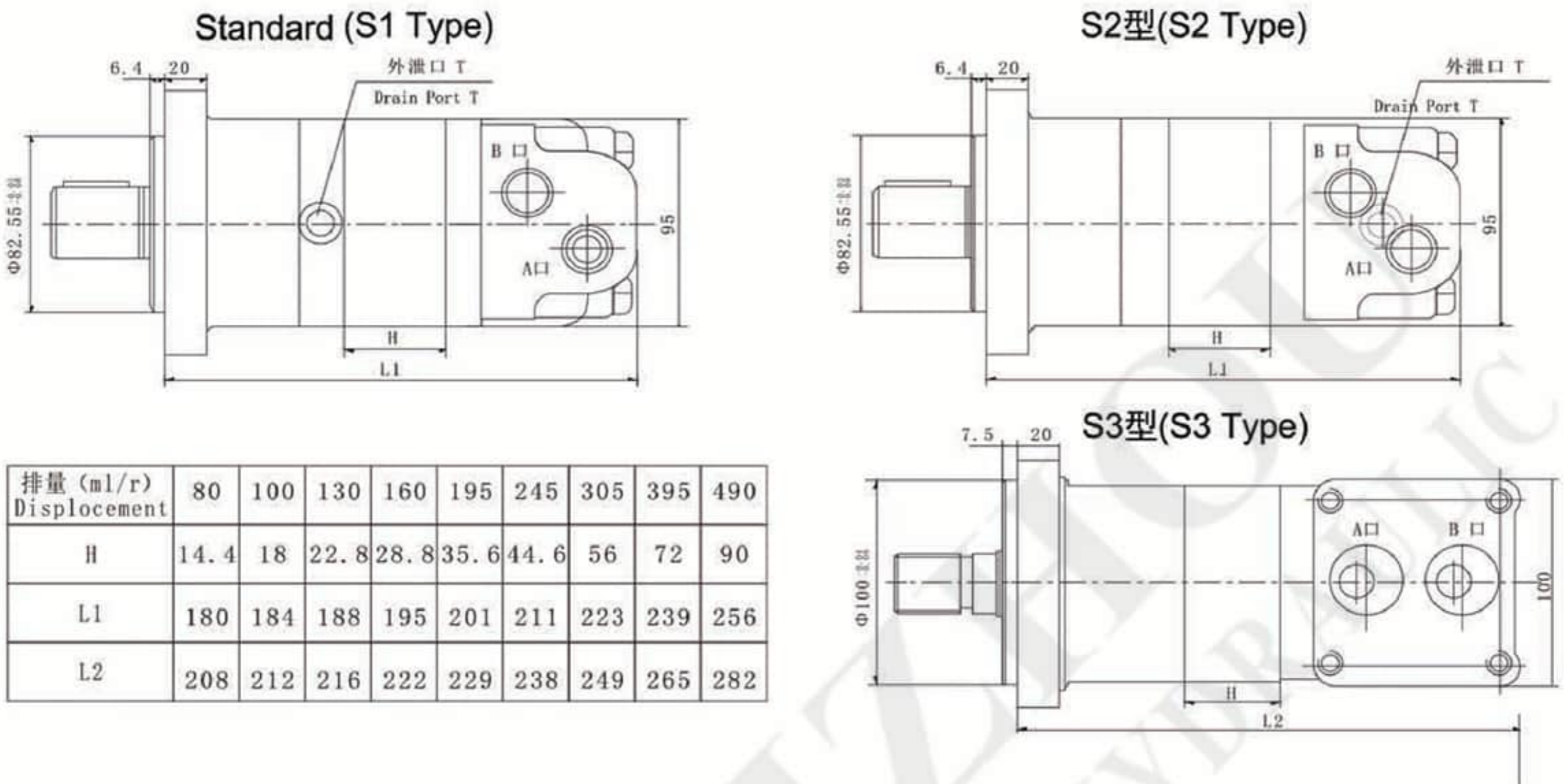
间断工作时间每分钟不得超过6秒, 尖峰工作时间每分钟不得超过0.6秒

Intermittent operation the permissible values may occur for max. 10% of every minute

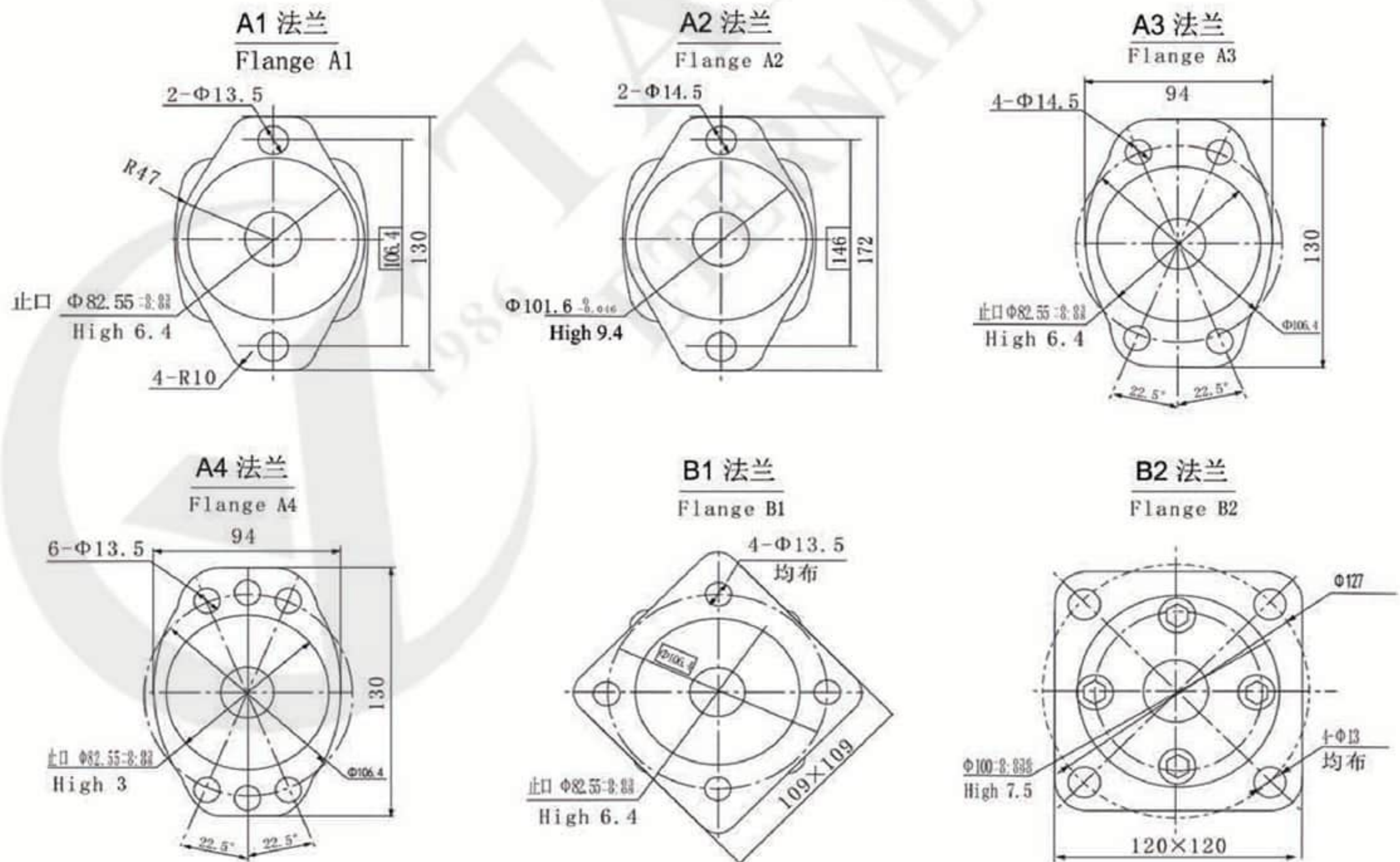
Peak load: the permissible values may occur for max. 1% of every minute

■ 轴承受最大扭矩(N.m):  $\Phi 25$ ,  $\Phi 25.4$ 花键轴为360,  $\Phi 25$ ,  $\Phi 25.4$ 平键轴为300

■ OMS马达连接尺寸--外形图 Dimensions&Mounting

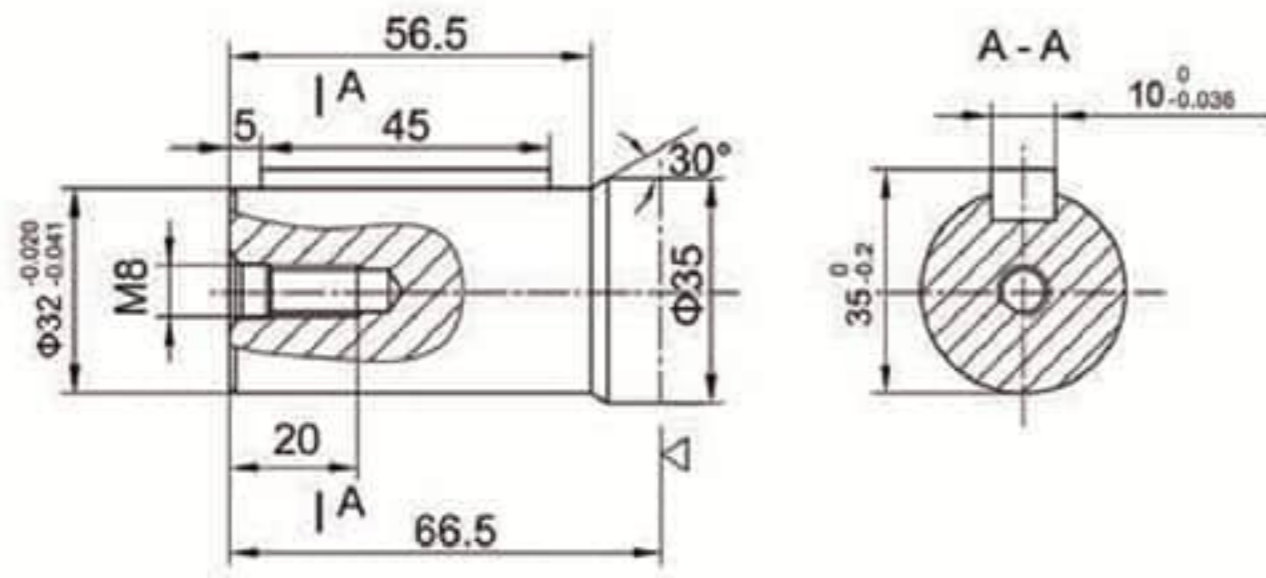


■ OMS马达连接尺寸--安装法兰 Flange

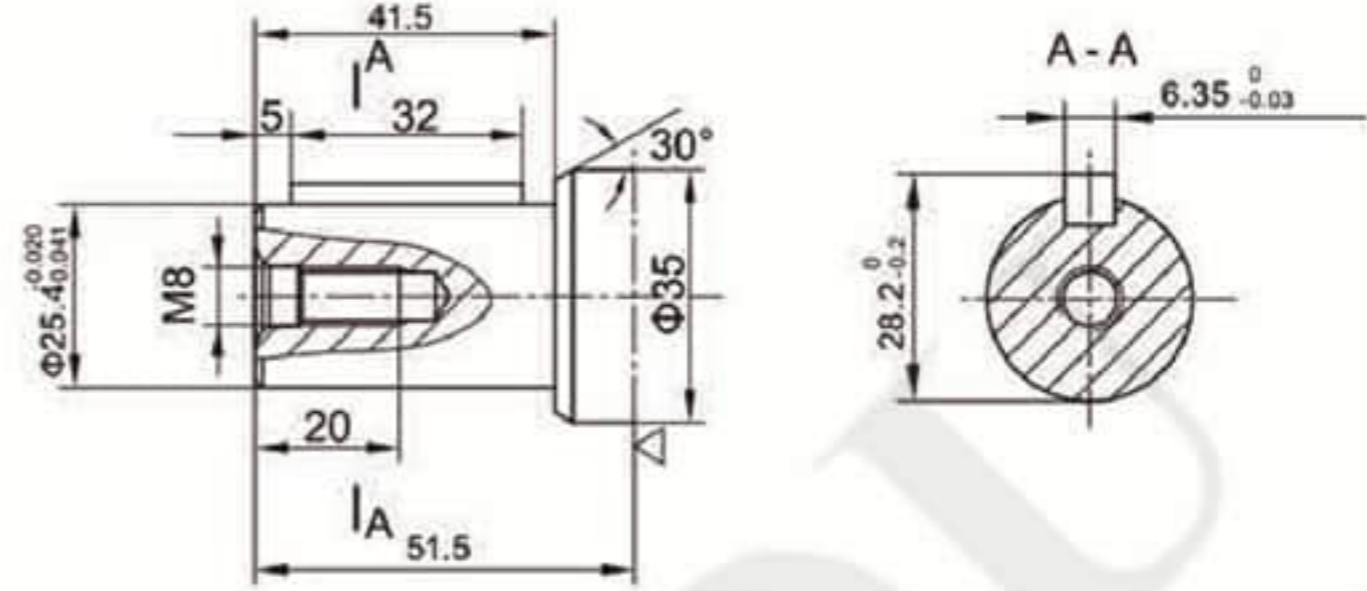


■ OMS外形安装尺寸—输出轴 Shaft Version

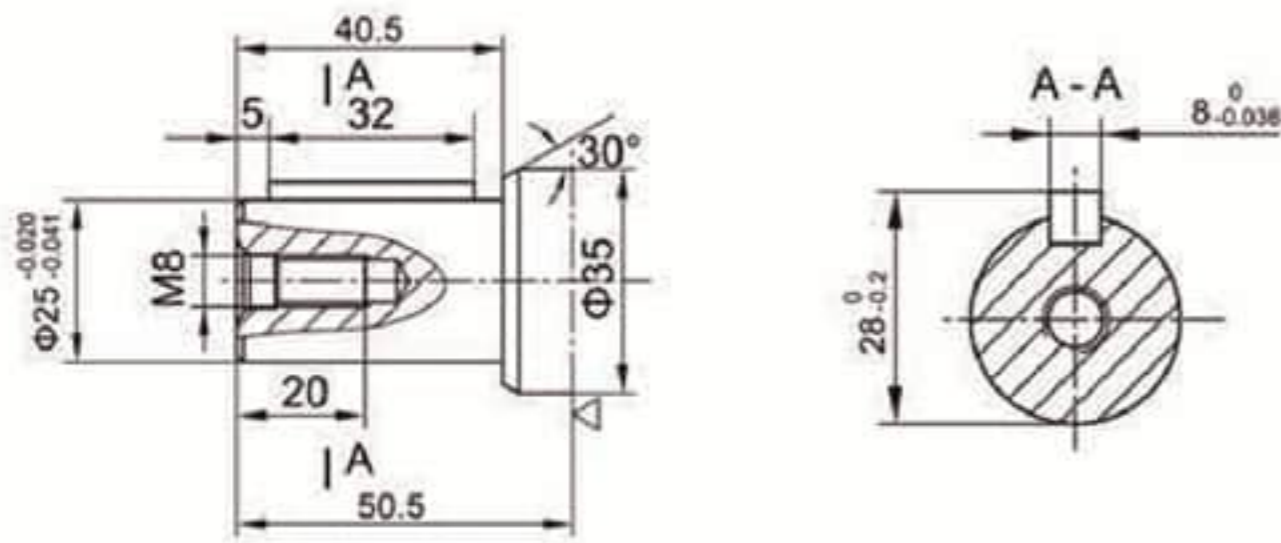
P1:  $\Phi 32$  平键轴, 平键 $10 \times 8 \times 45$   
 $\Phi 32$  Cylindrical shaft, parallel key $10 \times 8 \times 45$



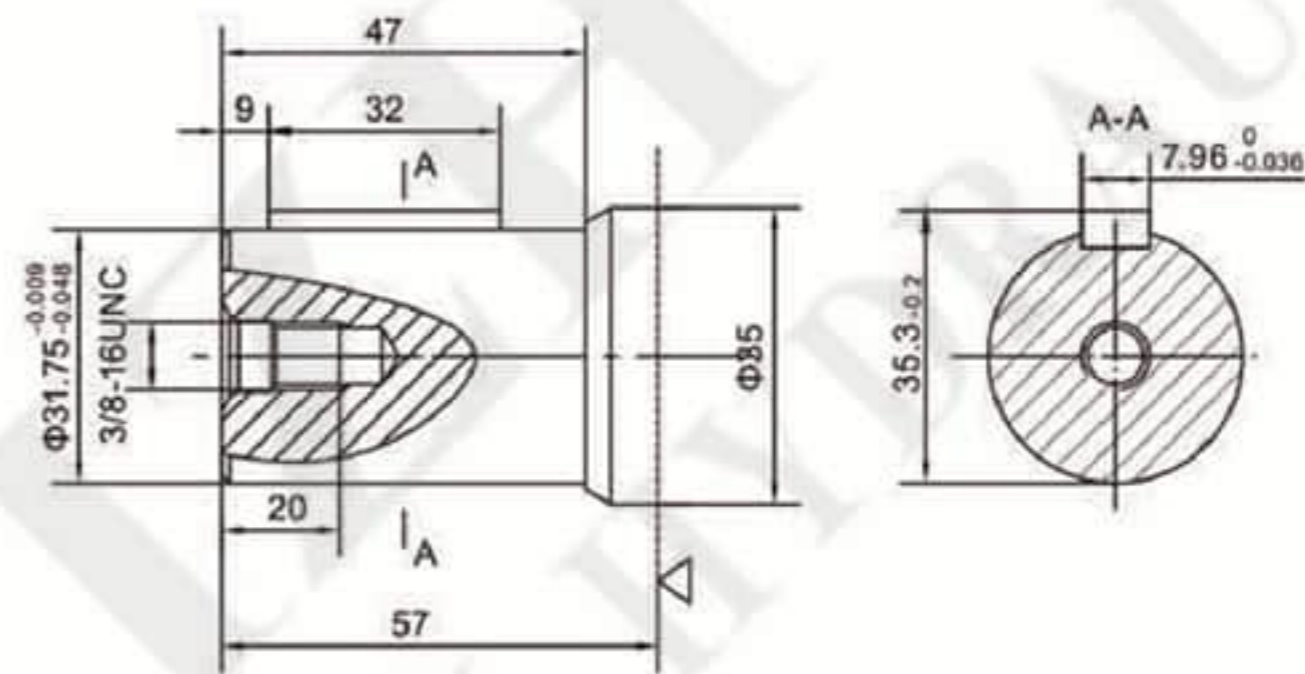
P2:  $\Phi 25.4$ 平键轴, 平键 $6.35 \times 6.35 \times 32$   
 $\Phi 25.4$  Cylindrical shaft, parallel key $6.35 \times 6.35 \times 32$



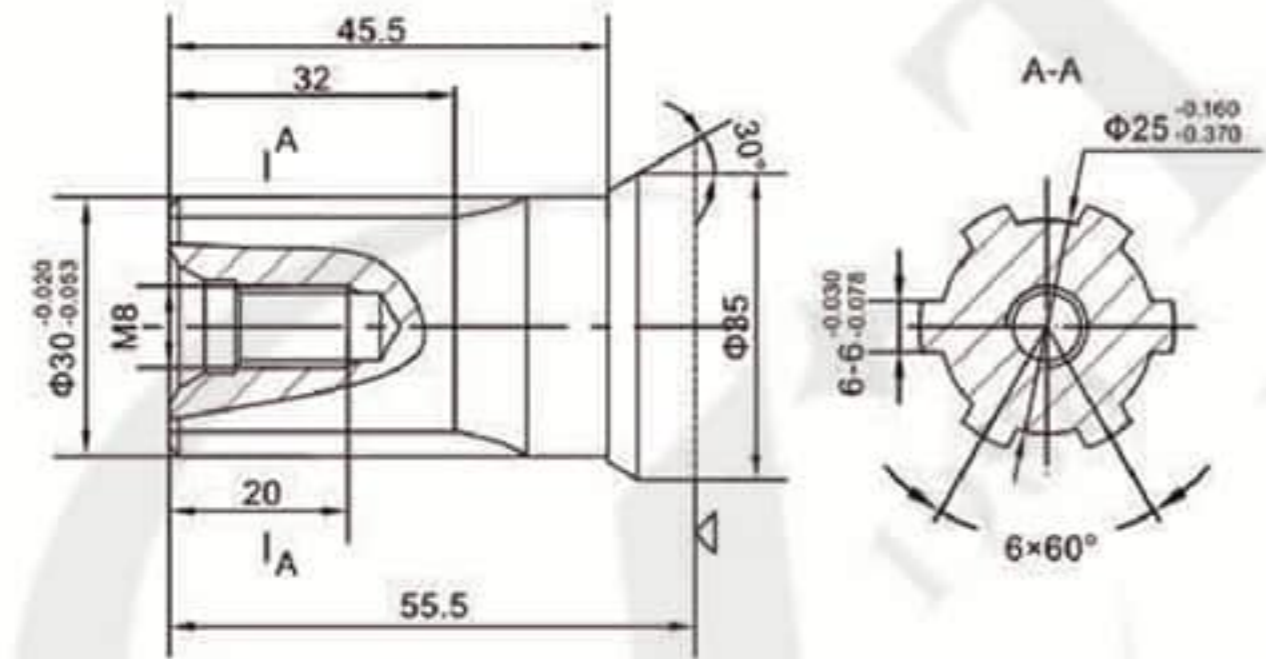
P3:  $\Phi 25$ 平键轴, 平键 $8 \times 7 \times 32$   
 $\Phi 25$  Cylindrical shaft, parallel key $8 \times 7 \times 32$



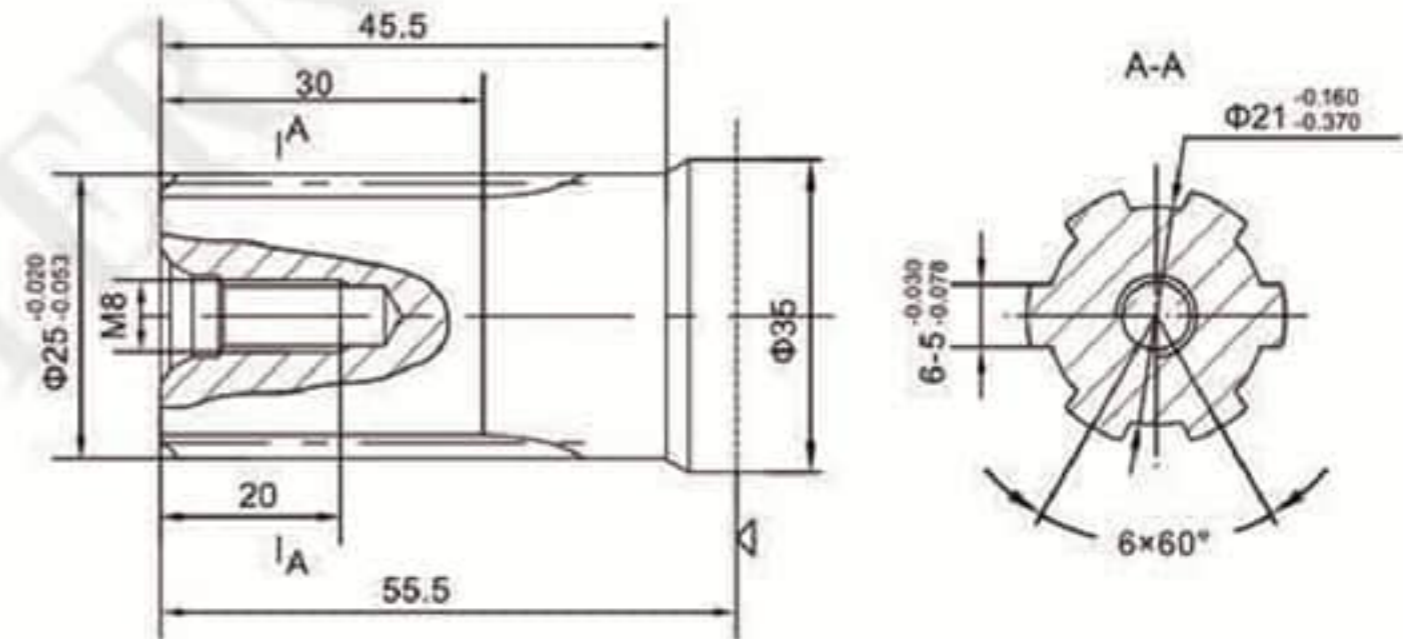
P4:  $\Phi 31.75$ 平键轴, 平键 $7.96 \times 7.96 \times 32$   
 $\Phi 31.75$  Cylindrical shaft, parallel key $7.96 \times 7.96 \times 32$



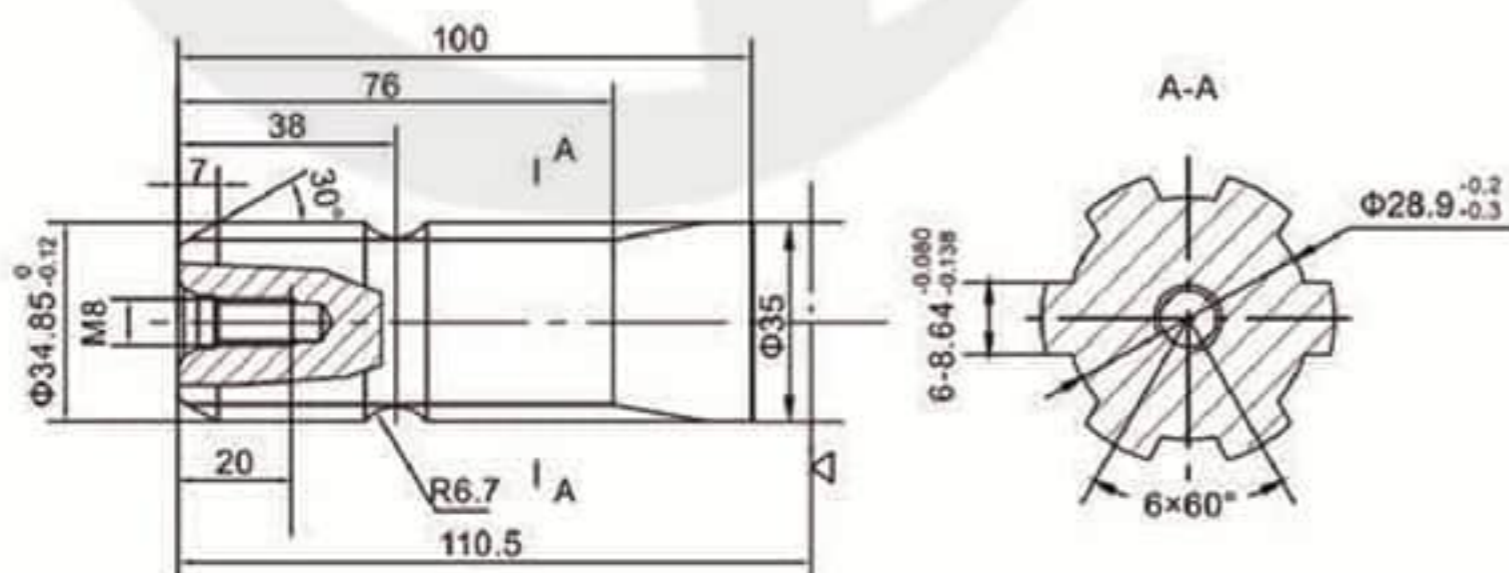
H1:  $\Phi 30$ 矩形花键轴,  $6-30 \times 25 \times 6$   
 $\Phi 30$  Splined shaft,  $6-30 \times 25 \times 6$



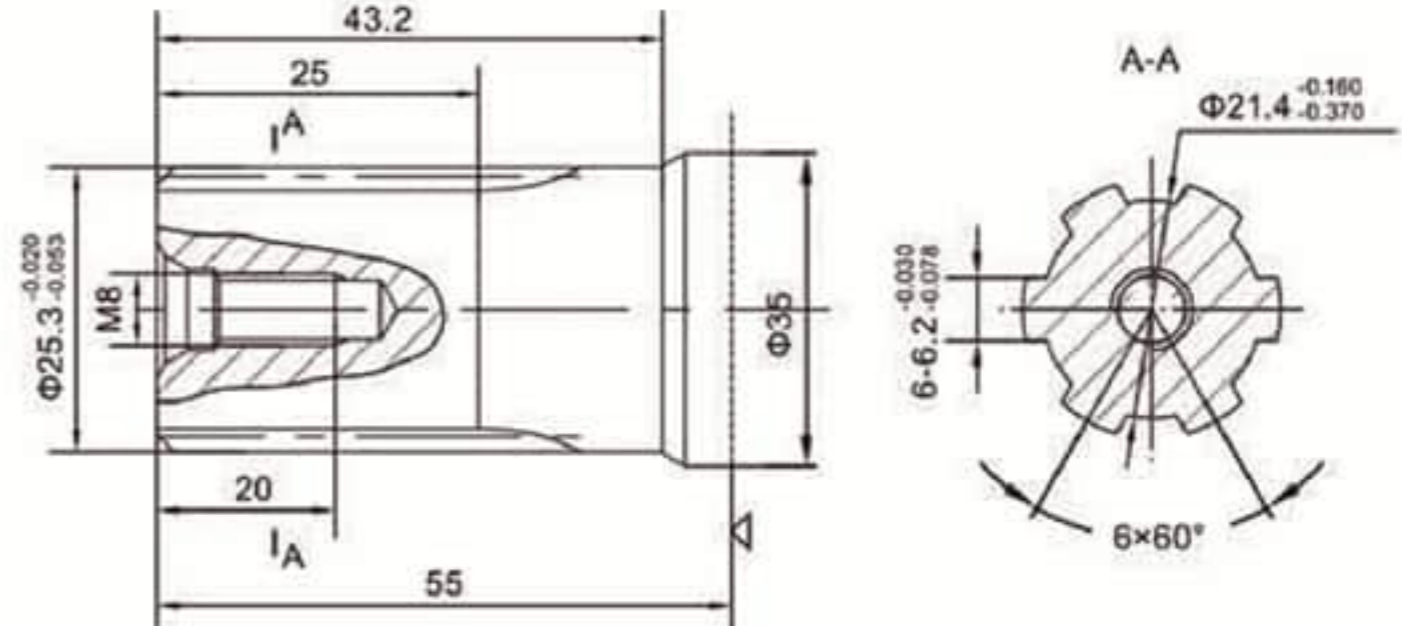
H2:  $\Phi 25$ 矩形花键轴,  $6-25 \times 21 \times 5$   
 $\Phi 25$  Splined shaft,  $6-25 \times 21 \times 5$



H3:  $\Phi 34.85$ 矩形花键轴,  $6-34.85 \times 28.9 \times 8.64$   
 $\Phi 34.85$  Splined shaft,  $6-34.85 \times 28.9 \times 8.64$

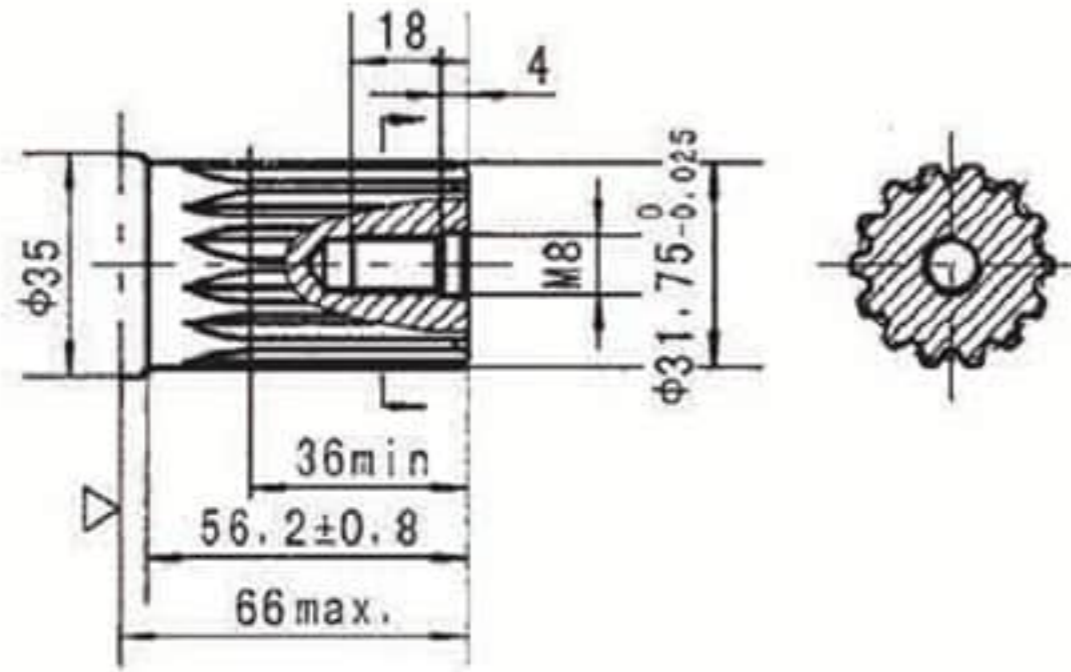


H4:  $\Phi 25.3$ 矩形花键轴,  $6-25.3 \times 21.4 \times 6.2$   
 $\Phi 25.3$  Splined shaft,  $6-25.3 \times 21.4 \times 6.2$

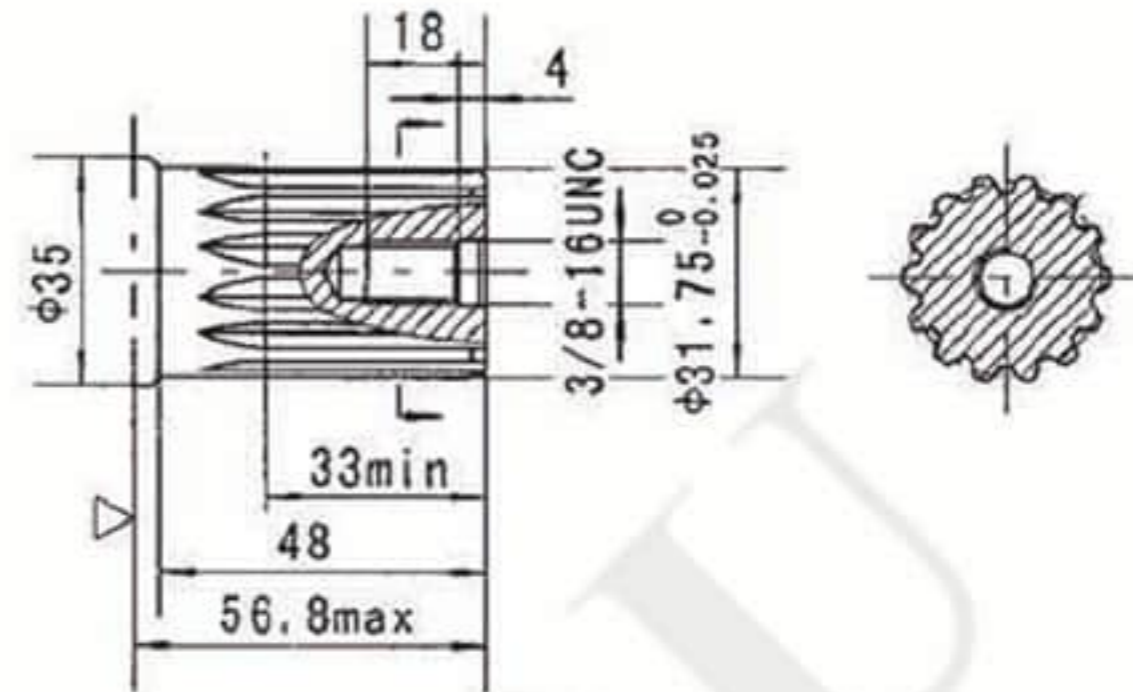


△-- 马达安装面  
Motor mounting surface

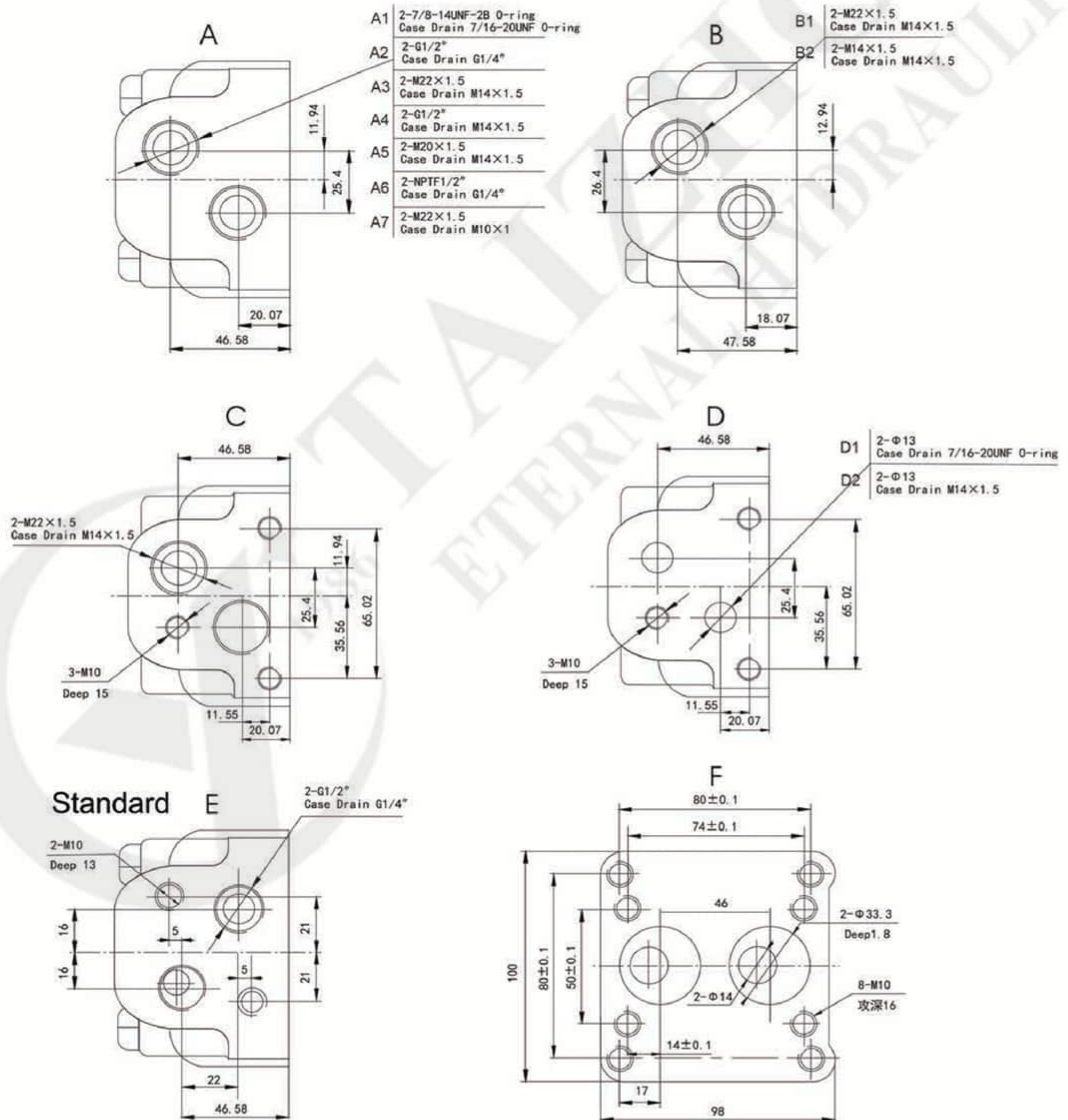
FD:  $\Phi 31.75$ 渐开线花键轴 14-DP12/24  
 $\Phi 31.75$  involute splined shaft 14-DP12/24



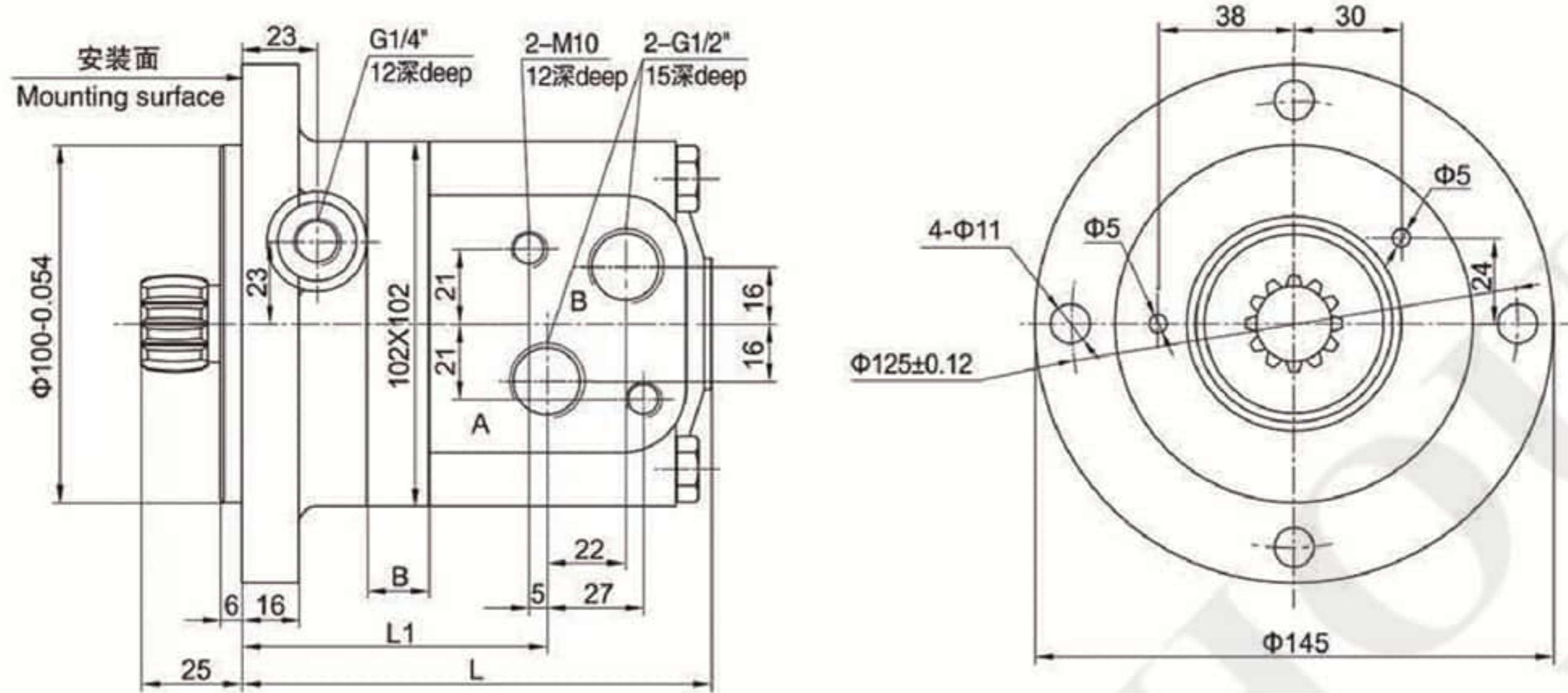
F:  $\Phi 31.75$ 渐开线花键轴 14-DP12/24  
 $\Phi 31.75$  involute splined shaft 14-DP12/24



■ OMS马达连接尺寸—油口 Port

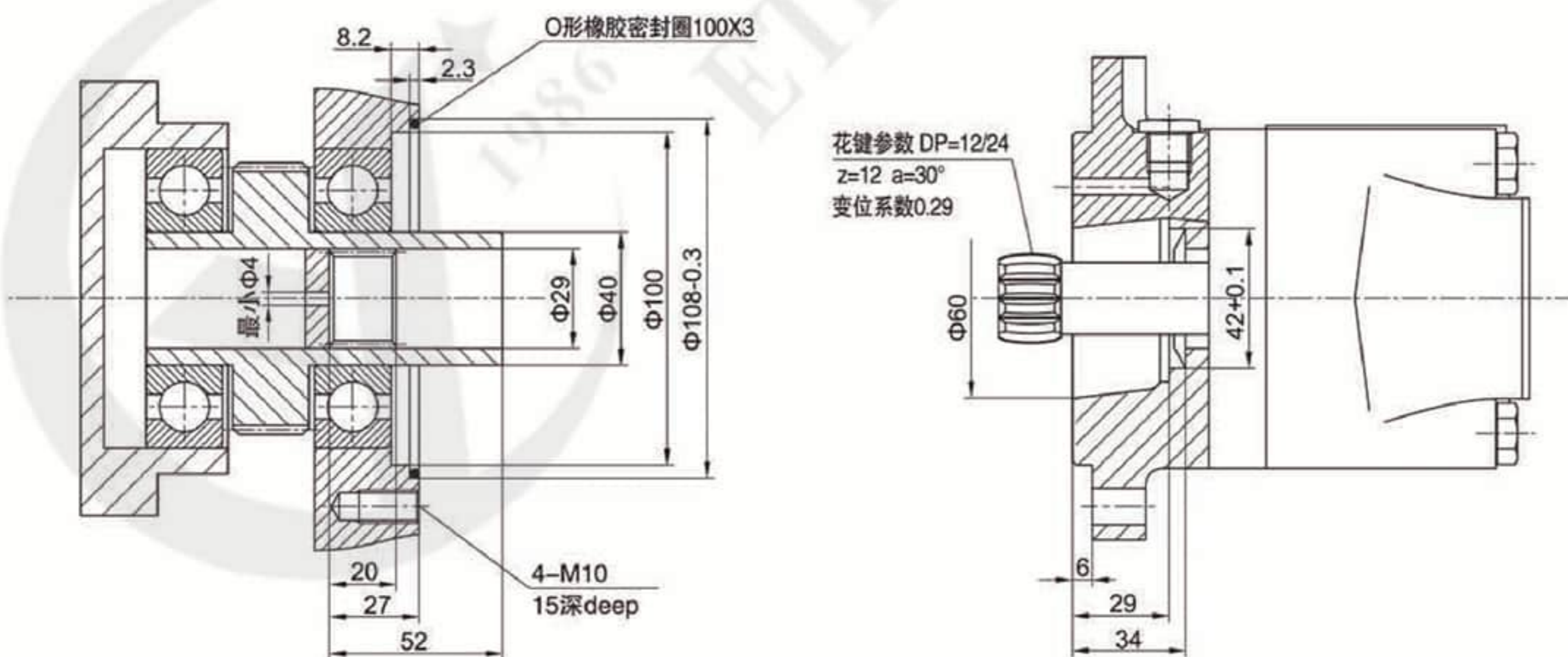


■ OMSS外形安装图 Installation



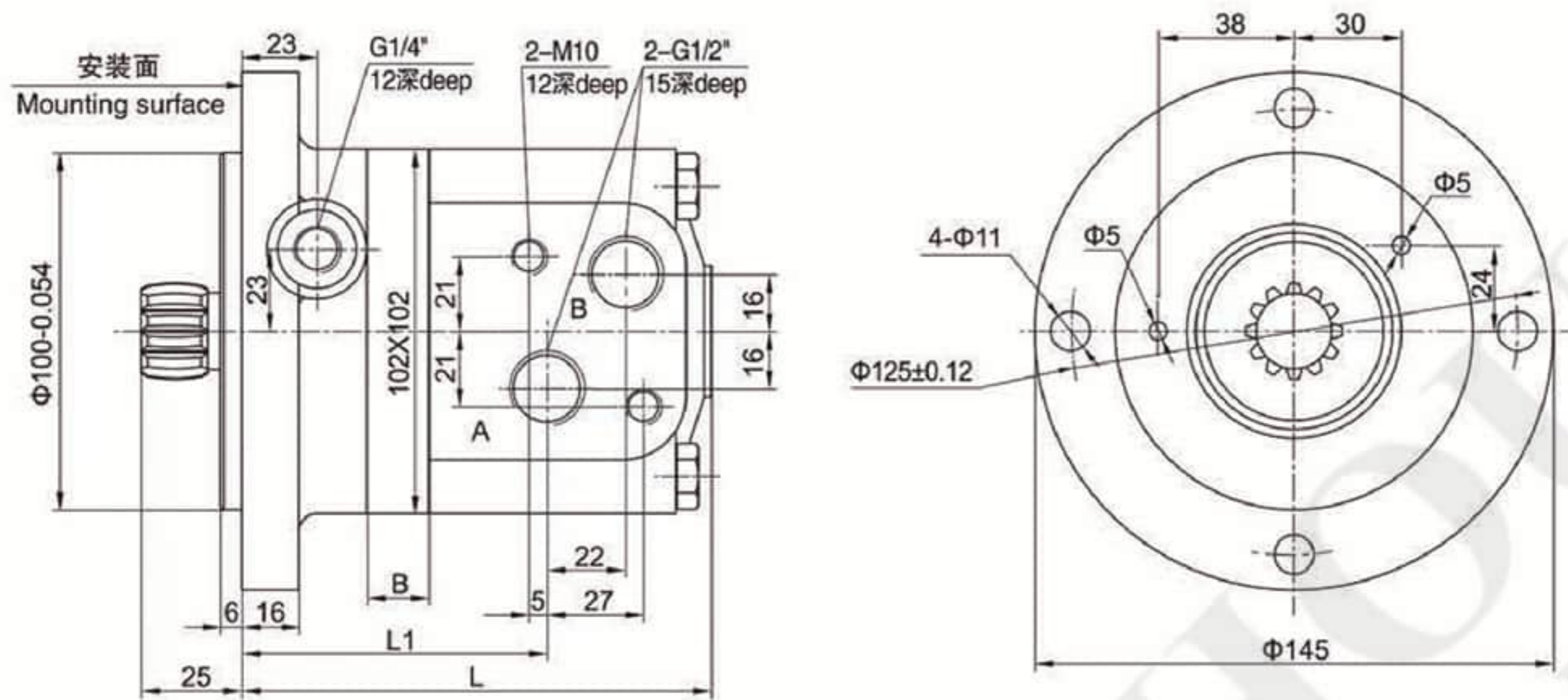
型号Type	OMSS-80	OMSS-100	OMSS-125	OMSS-160	OMSS-200	OMSS-250	OMSS-315	OMSS-400
L	122.5	126	130.5	136.5	143.5	152.5	164.5	178.5
L1	79.5	83	87.5	93.5	100.5	109.5	121.5	135.5
B	11	14.5	19	25	32	41	53	67

■ OMSS外形连接尺寸 Dimension of The Attached Component



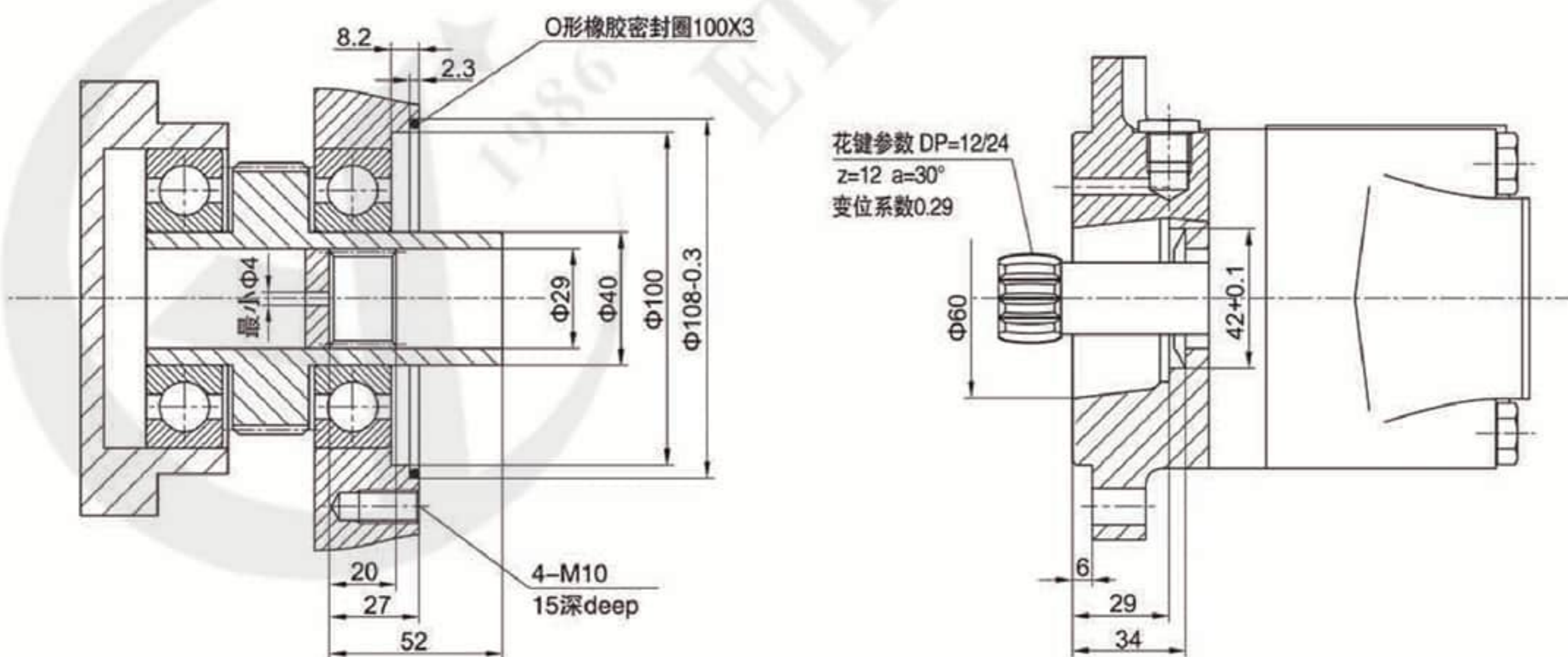


■ OMSS外形安装图 Installation



型号Type	OMSS-80	OMSS-100	OMSS-125	OMSS-160	OMSS-200	OMSS-250	OMSS-315	OMSS-400
L	122.5	126	130.5	136.5	143.5	152.5	164.5	178.5
L1	79.5	83	87.5	93.5	100.5	109.5	121.5	135.5
B	11	14.5	19	25	32	41	53	67

■ OMSS外形连接尺寸 Dimension of The Attached Component



### ■ 特点 Feature:

OMT马达是一种盘配流马达。先进的盘配流结构设计，低速性能好。容积效率高，并具有磨损自动补偿功能。双列圆锥滚针轴承能够承受大的径向力，并应用于重载驱动场合。

OMT Motor is one disc valve type gerolor motor, Advanced design of disc distribution flow, which can provide improve performance at low speed Higher volumetric for the automatically compensate wear. Double taper roller bearings permit high radial loads, can be used on heavy vehicles in traction drive applications



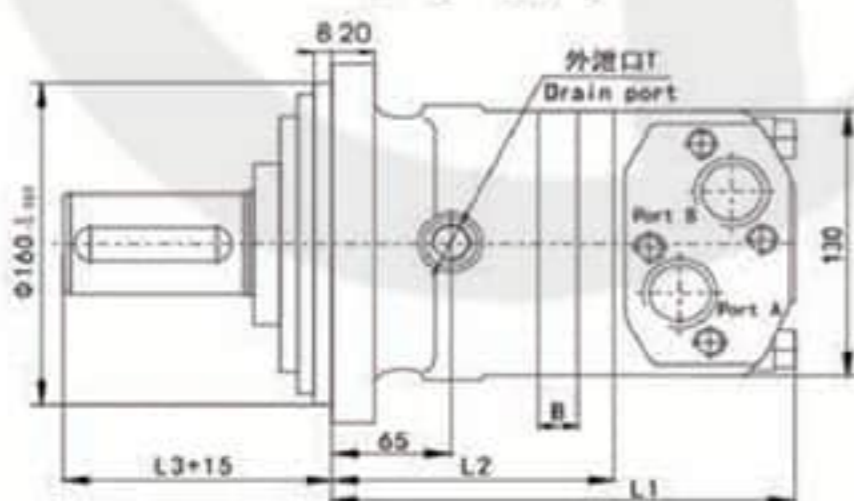
### ■ OMT型号说明 Model Code

OMT	-315	J	A1	P1	D
系列 Code	排量 Displacement	油口位置 Port Position	安装法兰及止口 Mounting Flange&Spigot	输出轴 Shaft	油口&泄油口 Inlet&Outlet and Drain Port
OMT	160,200,230, 250,315,400, 500,630,800	J D E	参照下图 See Below Drawing		

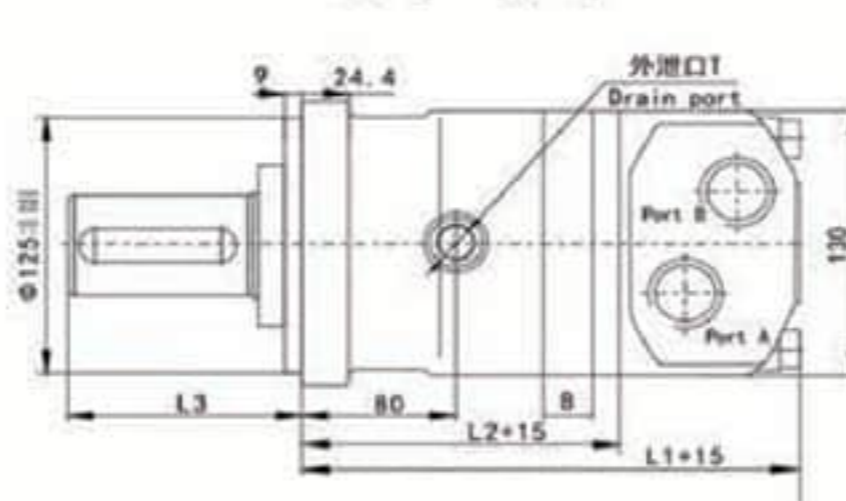
### ■ OMT技术参数 Technical Data

型号 TYPE	OMT-160	OMT-200	OMT-230	OMT-250	OMT-315	OMT-400	OMT-500	OMT-630	OMT-800
排量 Displacement(ml/r)	161.1	201.4	232.5	251.8	326.3	410.9	523.6	629.1	801.8
最大压降 Max.Pressure.Drop(Mpa)	连续 cont.	20	20	20	20	18	16	14	12.5
	间断 int.	24	24	24	24	21	18	16	13
	尖峰 peak.	28	28	28	28	24	21	19	16
最大扭矩 Max.Torque(N.m)	连续 cont.	470	590	670	730	950	1080	1220	1464
	间断 int.	560	710	821	880	1140	1260	1370	1520
	尖峰 peak.	669	838	958	1036	1346.3	1450.3	1643.8	1665
转速范围(连续) Speed.Range(cont)(r/min)	625	625	536	500	380	305	240	196	154
最大流量(连续) Max.Flow(cont)(L/min)	100	125	125	125	125	125	125	125	125
最大输出功率(连续) Max.output.Power(cont)(Kw)	27.7	34.9	34.7	34.5	34.9	31.2	28.8	25.3	22.2
重量 Weight(Kg)	19.5	20	20.4	20.5	21	22	23	24	25

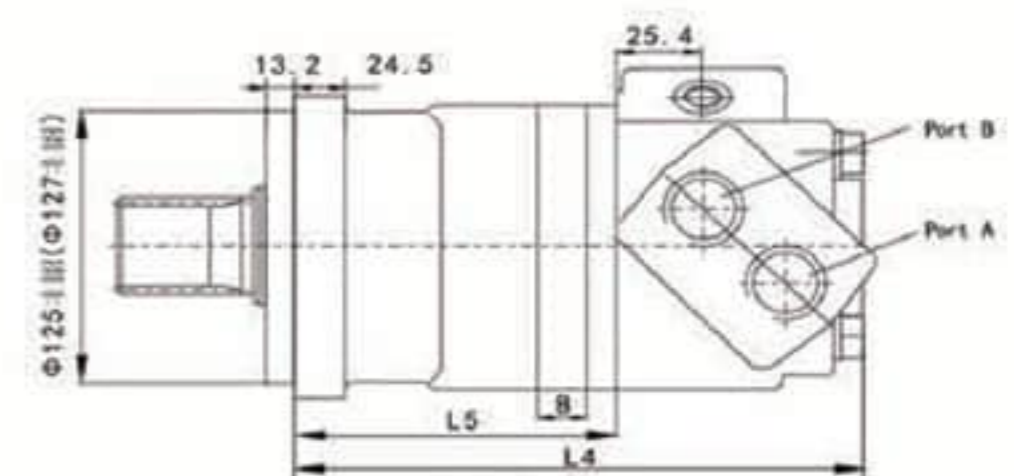
J形 (J Type)



D形 (D Type)



E形 (E Type)

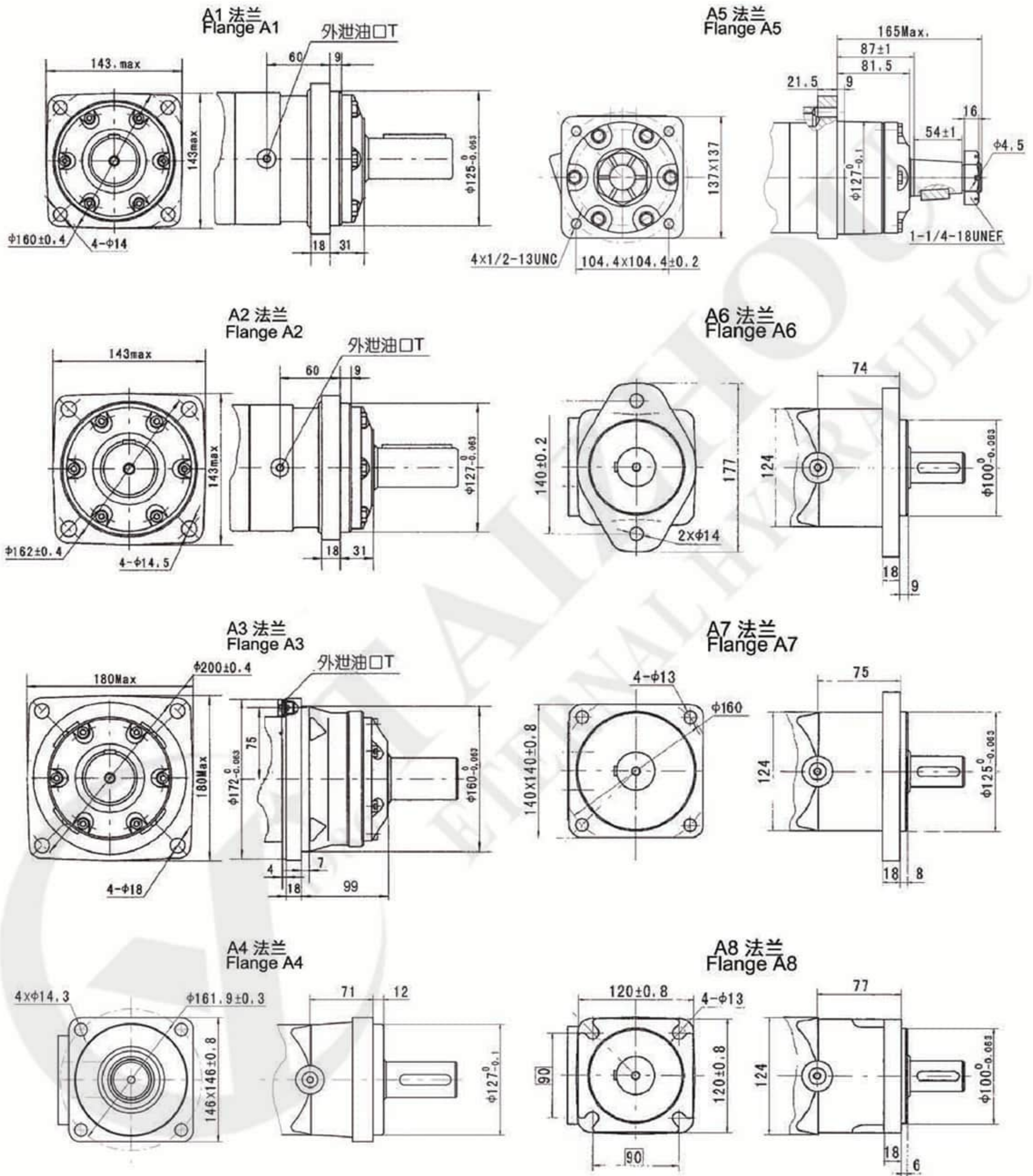


排量	195	245	310	390	490	625	800	985
B	21.7	27.3	34.5	43.4	54.4	69.1	89	108.9
L1	229.7	235.3	242.5	251.3	262.5	277	292.9	317
L2	135.1	140.7	148.1	156.7	167.7	182.5	198.5	222.3
L4	270.1	275.7	283	291.6	302.8	317.5	333.4	357.5
L5	150.1	155.7	163.1	171.7	182.9	197.5	213.5	237.3

L3:见下一页

马达标准旋向:  
面对输出轴轴端, A油口进油, 马达顺时针旋转。  
Standard Direction of The Motor Rotation:  
CW----When A port pressurized, Viewed From the Shaft End.

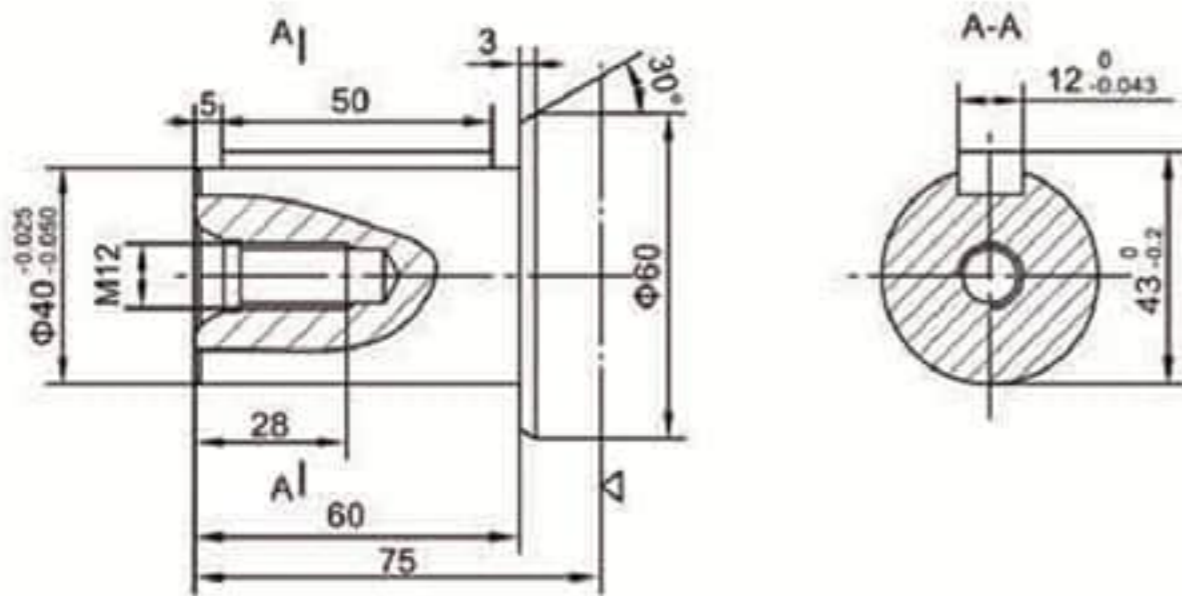
■ OMT马达安装法兰 Mounting Flange



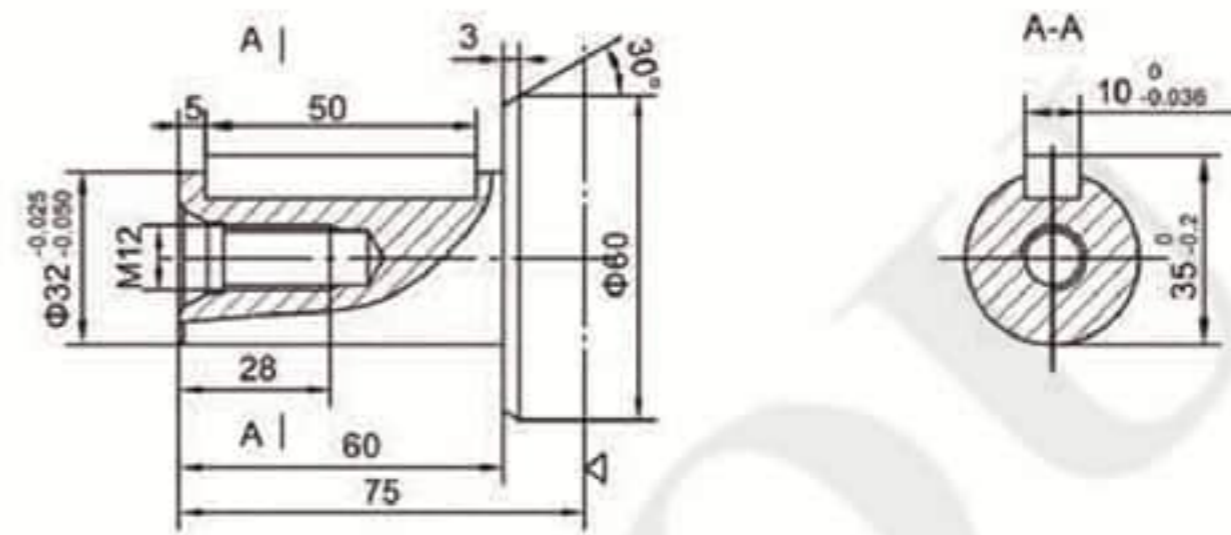
## ■ OMT外形安装尺寸-输出轴 Shaft Version

仅配A,A1,A7型 方法兰 Only match A,A1,A7 flange

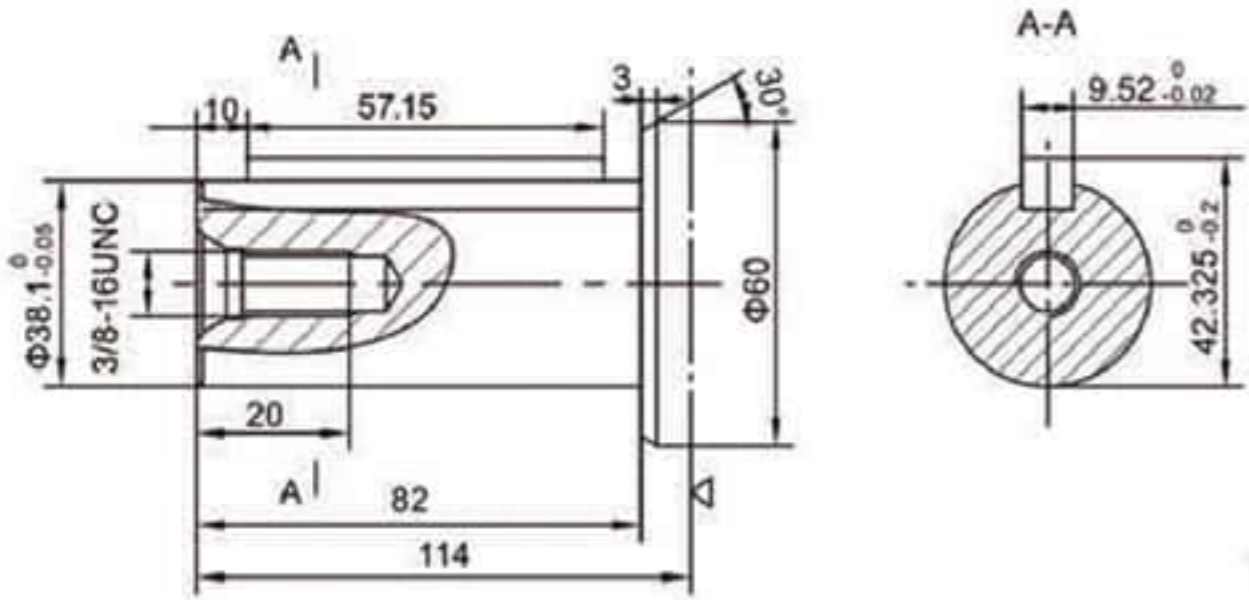
P1:  $\Phi 40$ 平键轴, 平键 $12 \times 8 \times 50$   
 $\Phi 40$  Cylindrical shaft, parallel key $12 \times 8 \times 50$



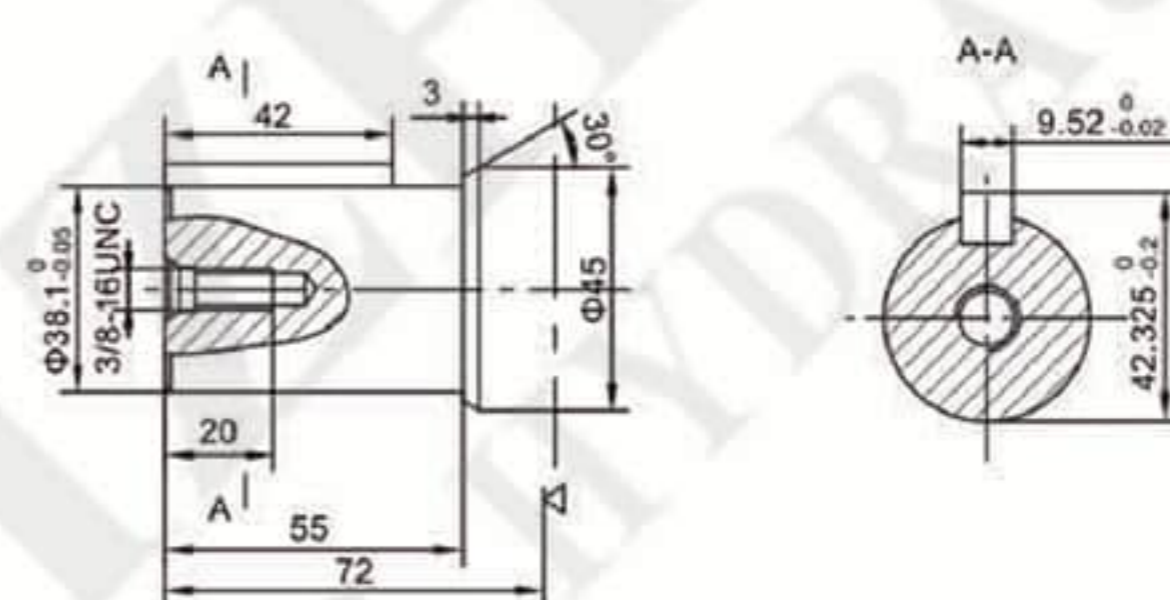
P2:  $\Phi 32$ 平键轴, 平键 $10 \times 8 \times 50$   
 $\Phi 32$  Cylindrical shaft, parallel key $10 \times 8 \times 50$



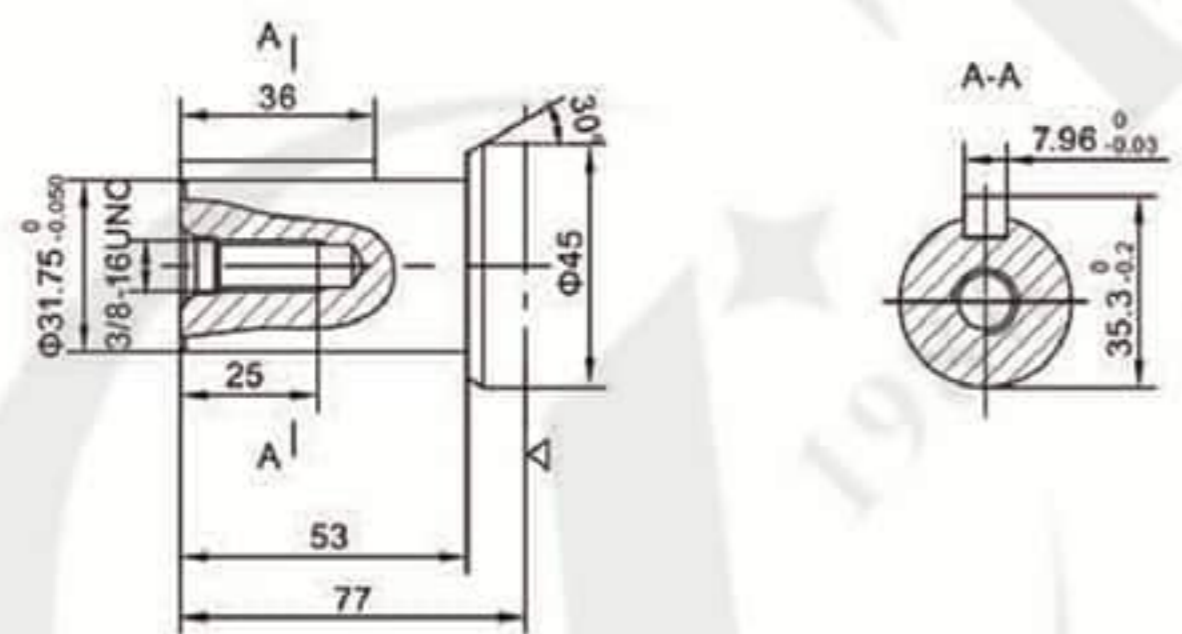
P3:  $\Phi 38.1$ 平键轴, 平键 $9.525 \times 9.525 \times 57.15$   
 $\Phi 38.1$  Cylindrical shaft, parallel key $9.525 \times 9.525 \times 57.15$



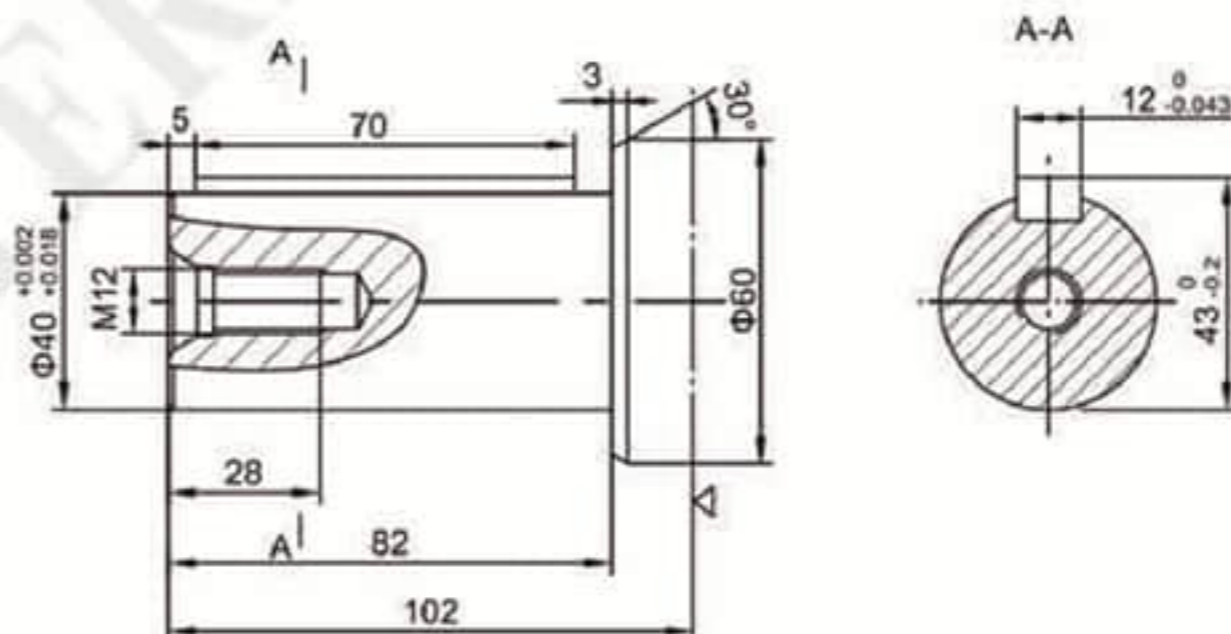
P4:  $\Phi 38.1$ 平键轴, 平键 $9.525 \times 9.525 \times 42$   
 $\Phi 38.1$  Cylindrical shaft, parallel key $9.525 \times 9.525 \times 42$



P5:  $\Phi 31.75$ 平键轴, 平键 $7.96 \times 7.96 \times 36$   
 $\Phi 31.75$  Cylindrical shaft, parallel key $7.96 \times 7.96 \times 36$



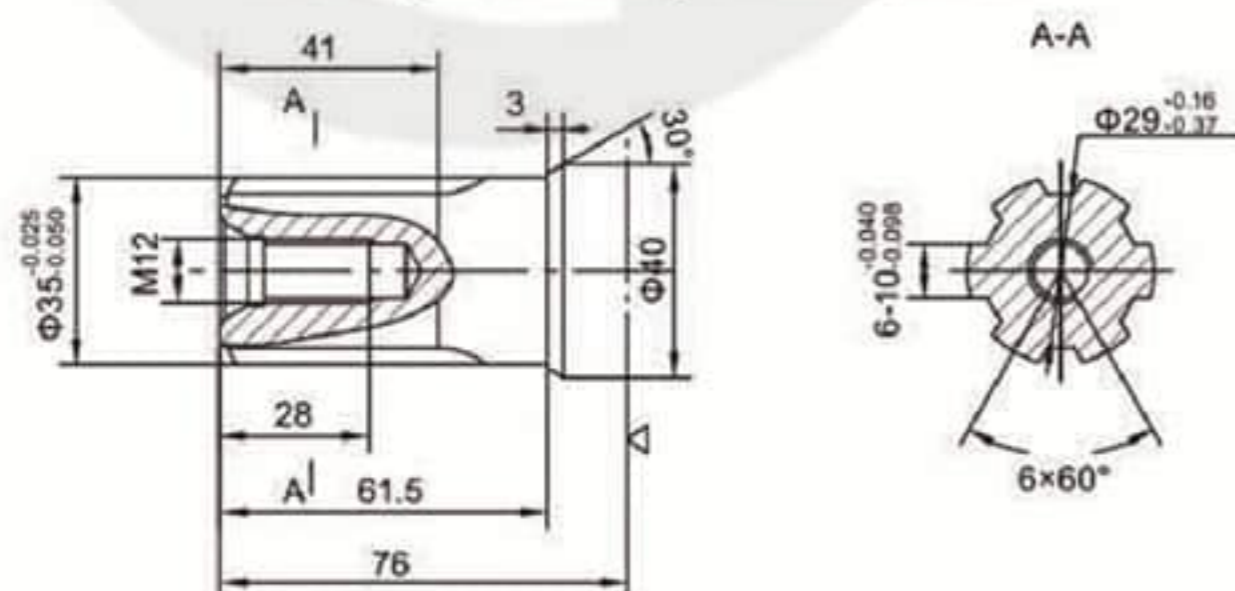
P6:  $\Phi 40$ 平键轴, 平键轴 $12 \times 8 \times 70$   
 $\Phi 40$  Cylindrical shaft, parallel key $12 \times 8 \times 70$



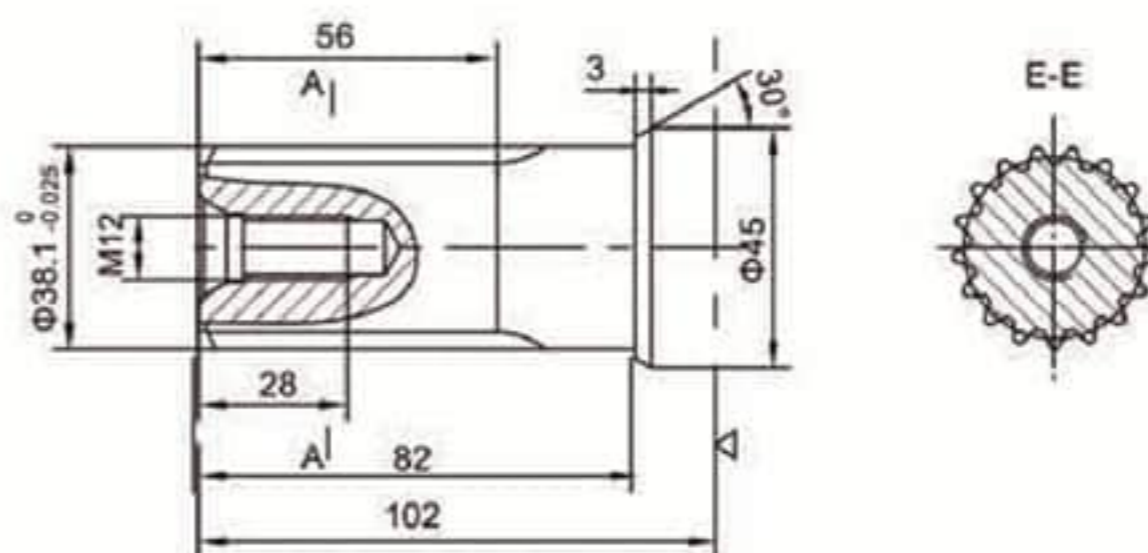
仅配A,A1,A7型 方法兰 Only match A,A1,A7 flange

H4:  $\Phi 35$ 矩形花键轴,  $6-35 \times 29 \times 10$   
 $\Phi 35$  Splined shaft,  $6-35 \times 29 \times 10$

H5:  $\Phi 35$ 矩形花键轴,  $6-35 \times 29 \times 6$   
 $\Phi 35$  Splined shaft,  $6-35 \times 29 \times 6$



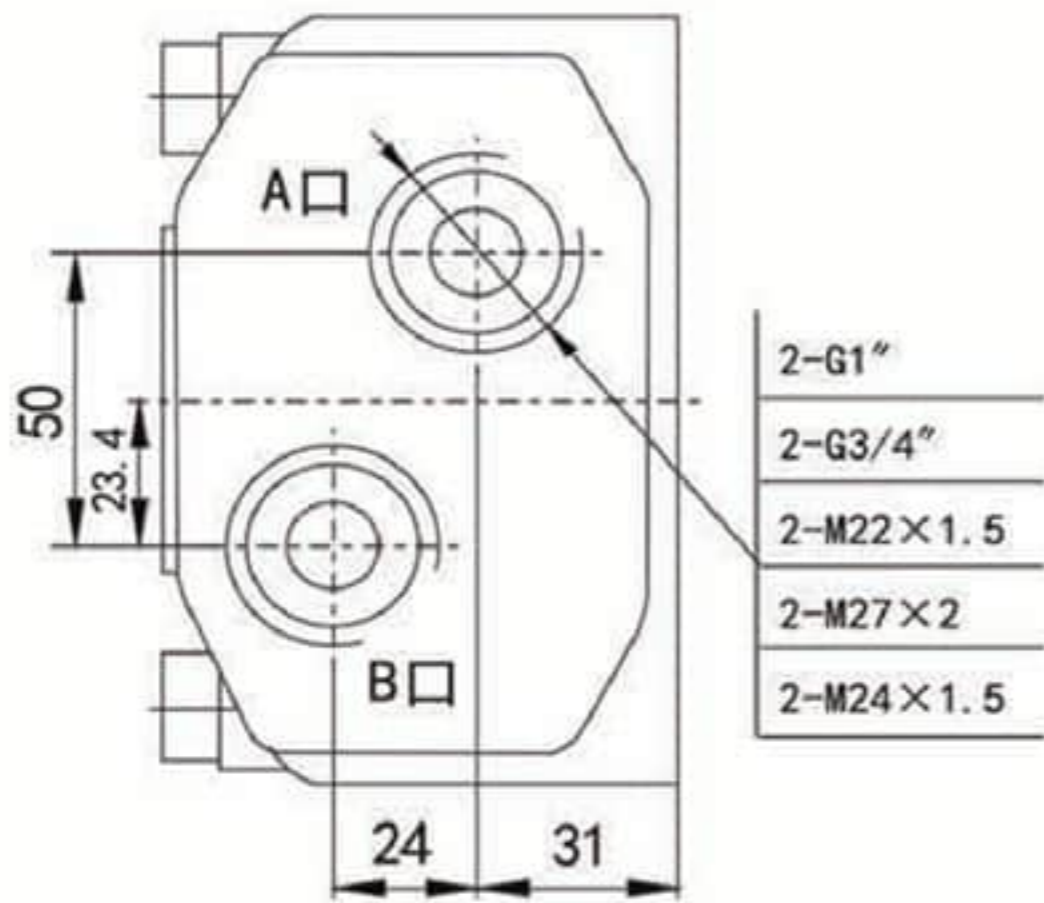
K3:  $\Phi 38.1$ 渐开线花键轴 17-DP12/24  $a=30^\circ$   
 $\Phi 38.1$  involute splined shaft 17-DP12/24  $a=30^\circ$



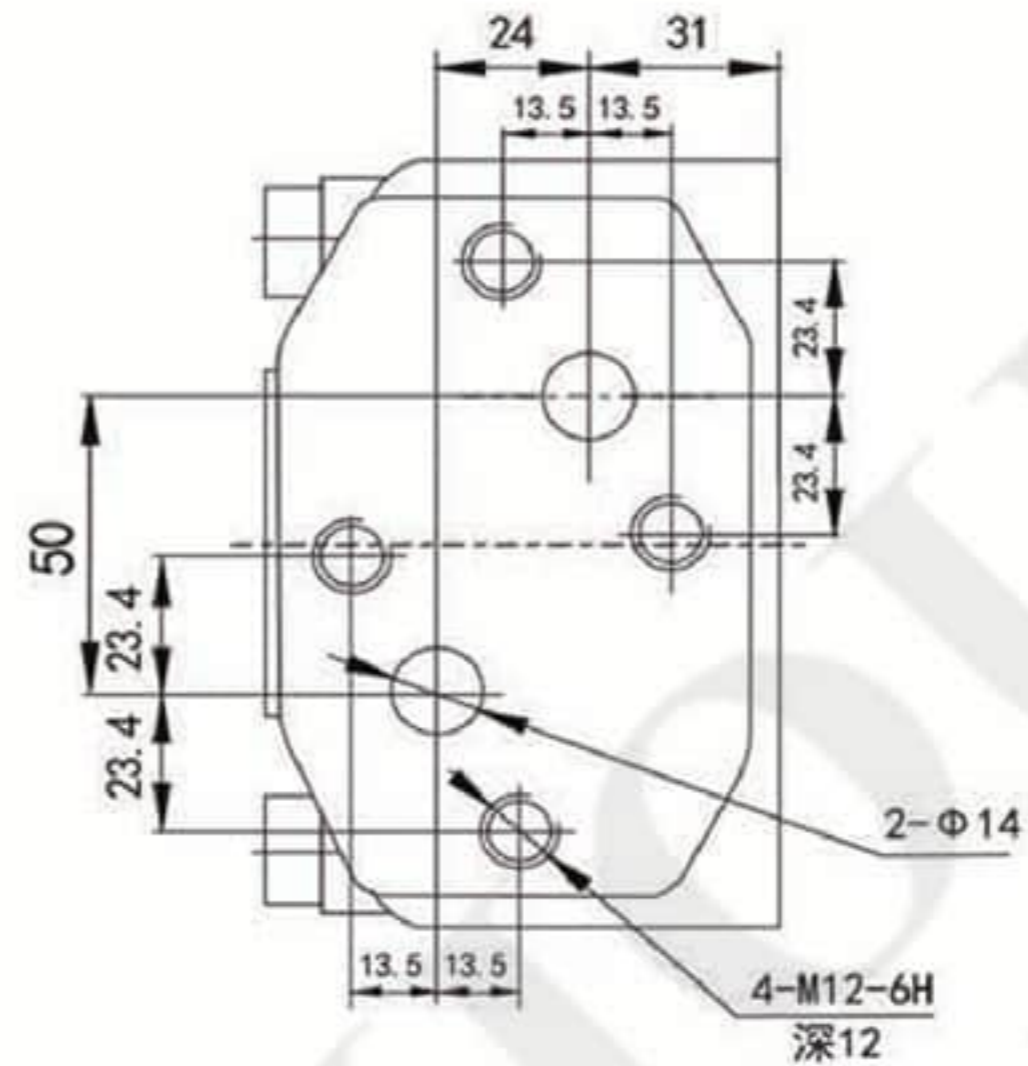
△: 马达安装面  
Motor mounting surface

■ OMT马达连接尺寸 油口 Port

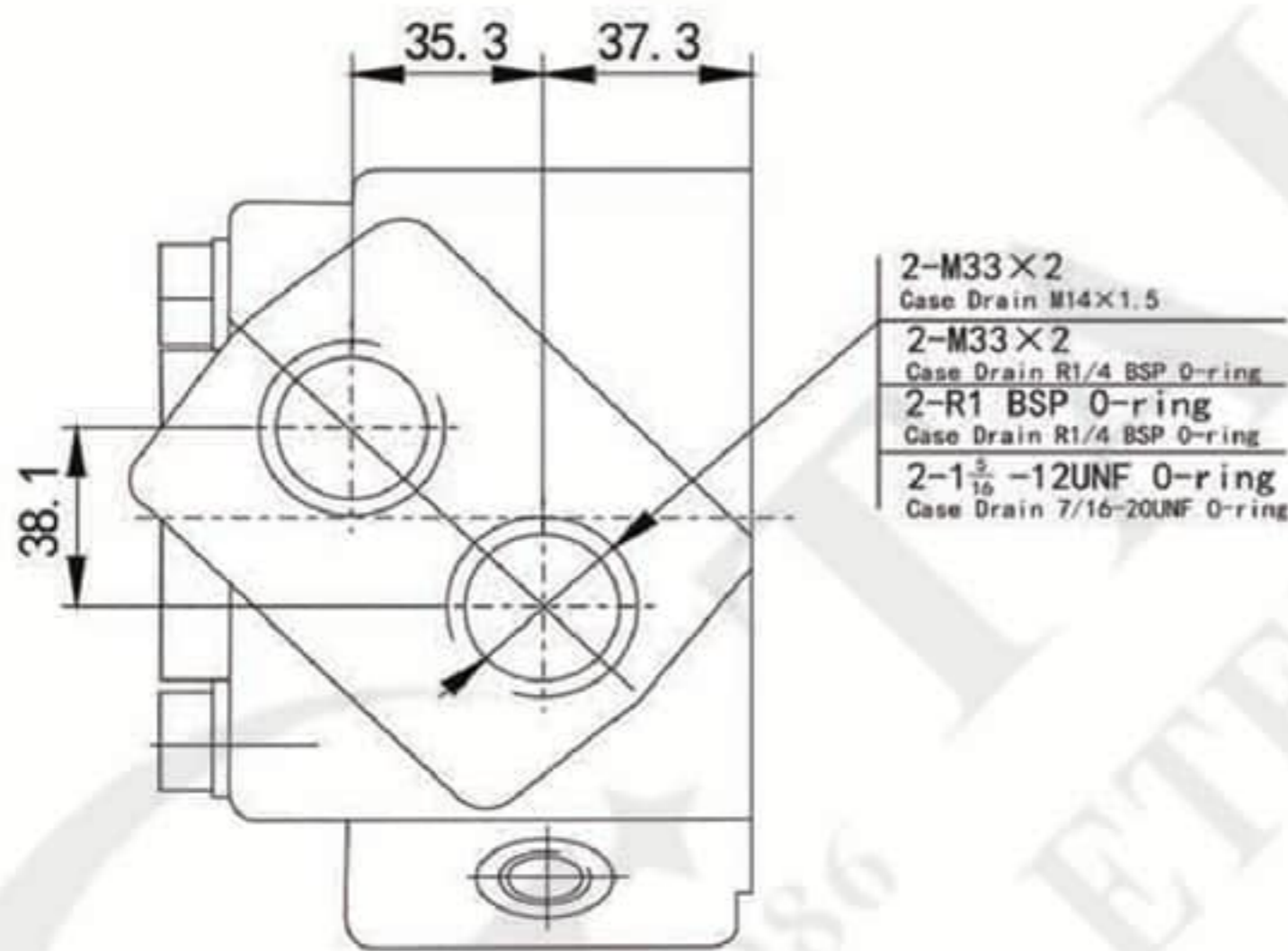
A:



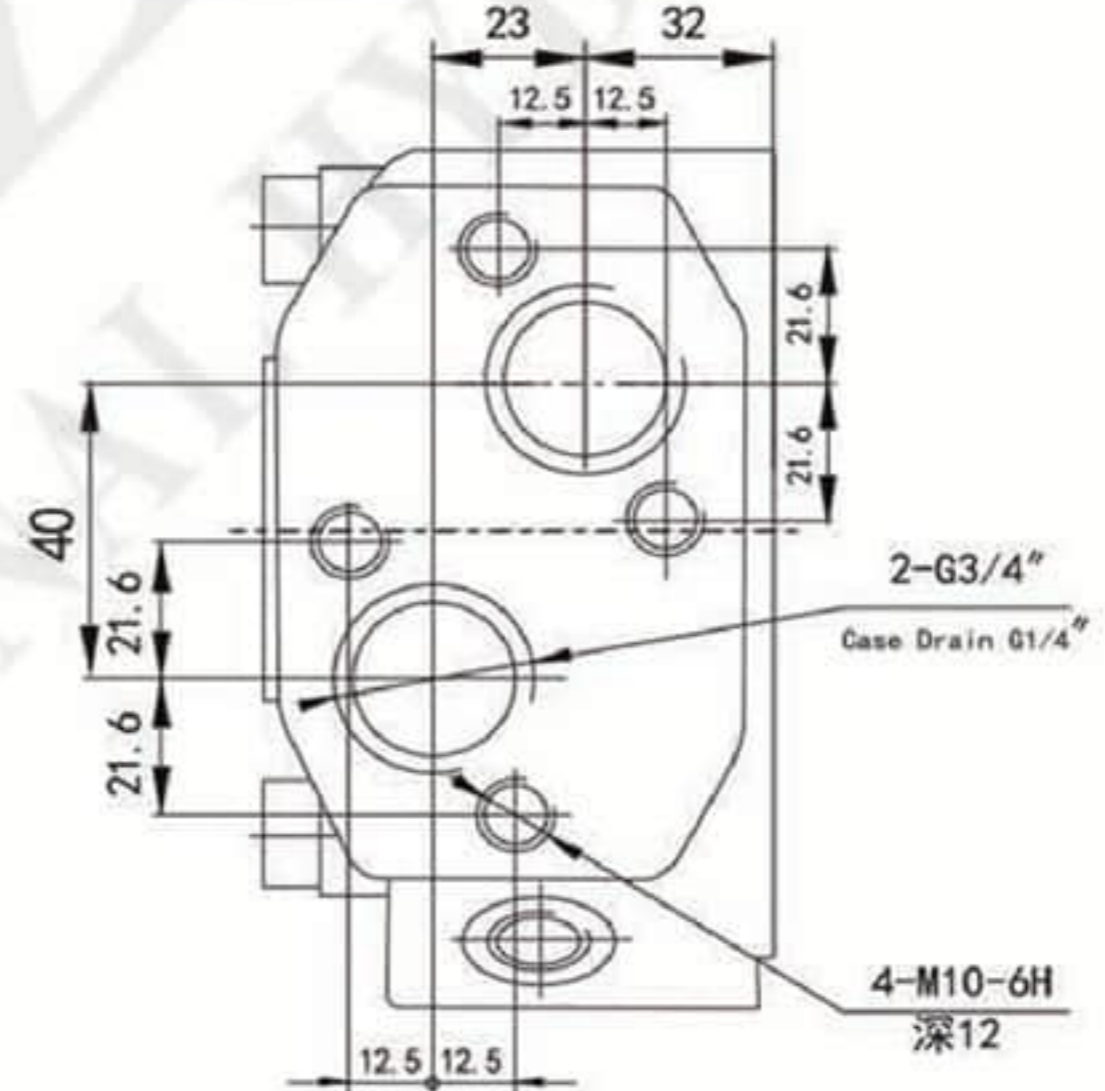
B:



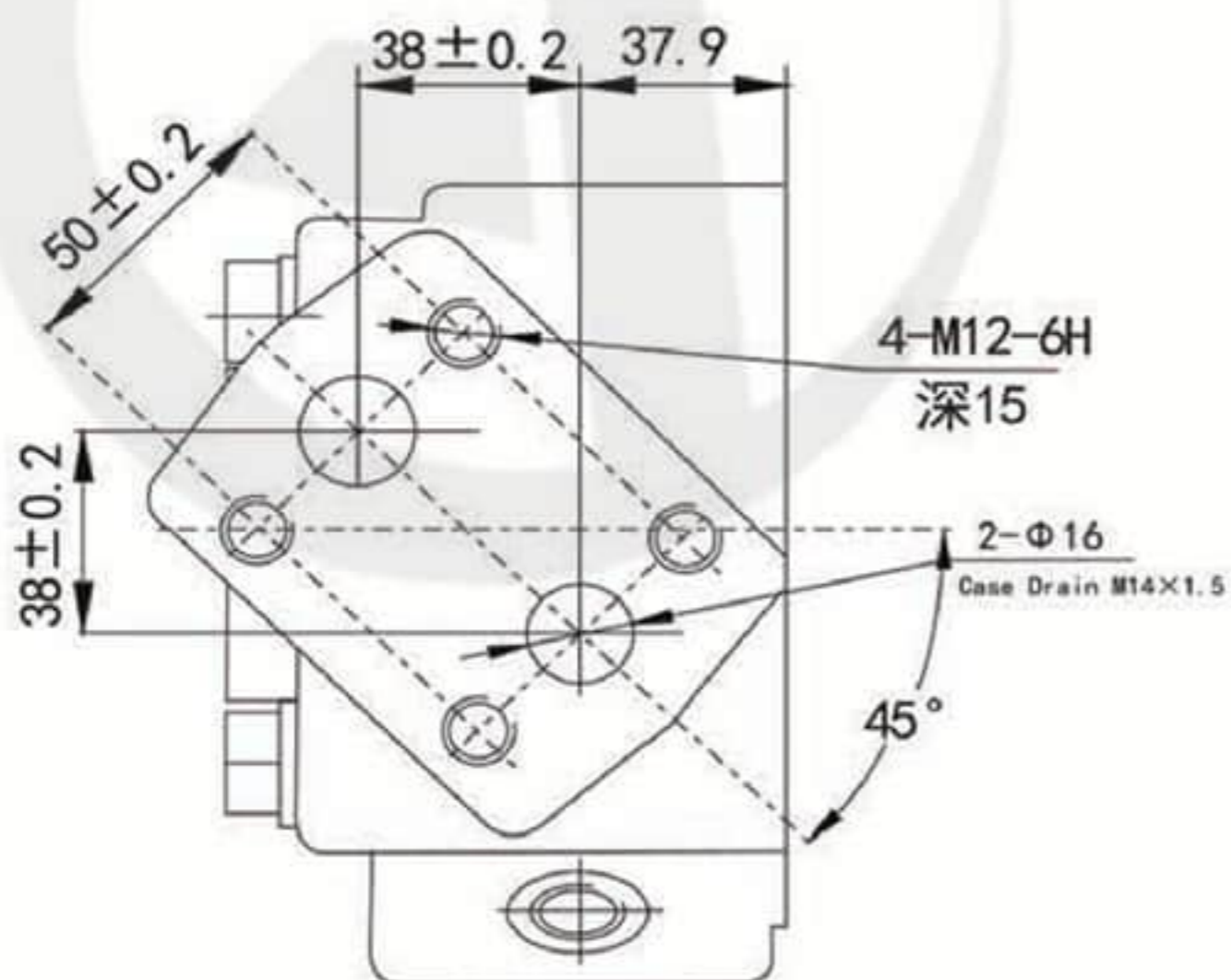
C:



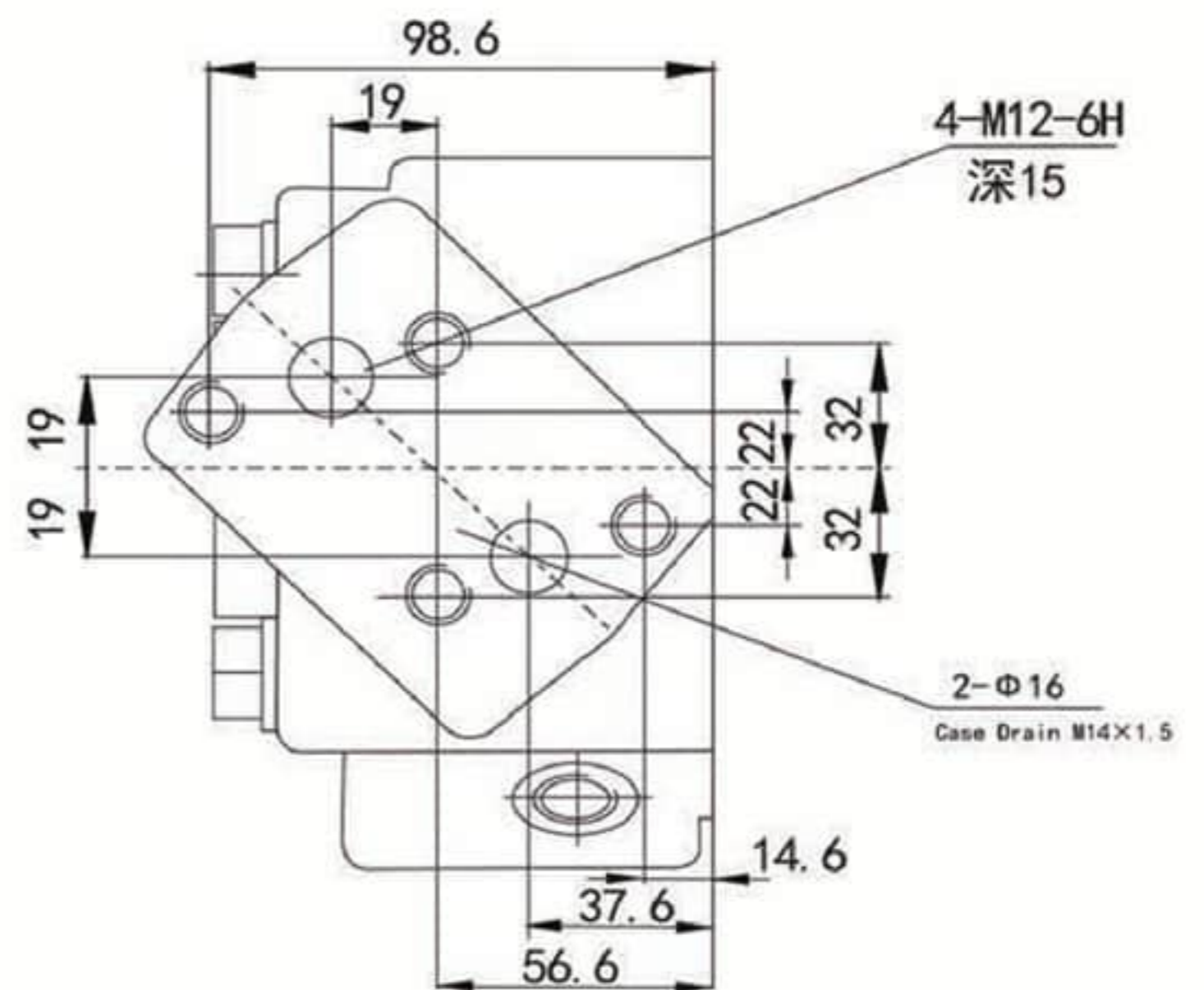
Standard D:



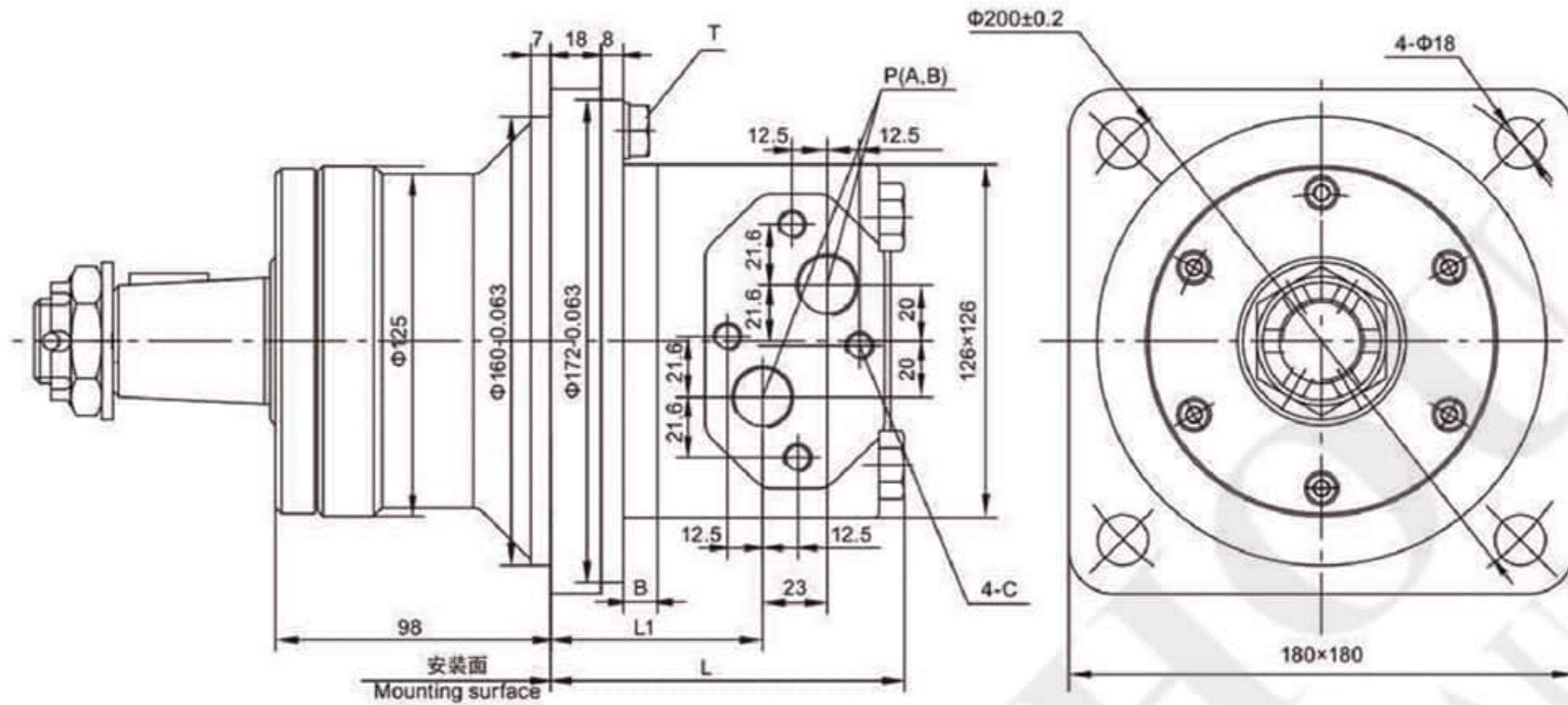
E:



F:



■ OMTW型号说明 Model Code



型号Type	OMTW-160	OMTW-200	OMTW-250	OMTW-320	OMTW-400	OMTW-500
L	127	131.5	138	145	154	172
L1	76.5	81	86.5	93.5	102.5	121
B	12	16.5	22	29	38	56.5

■ OMTW油口代号 Ports Code

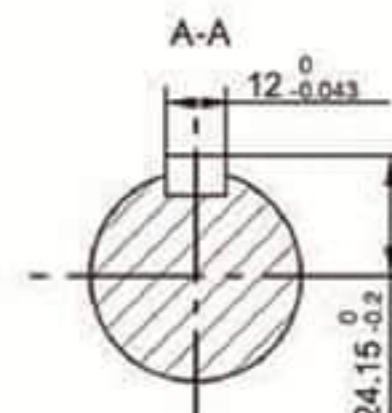
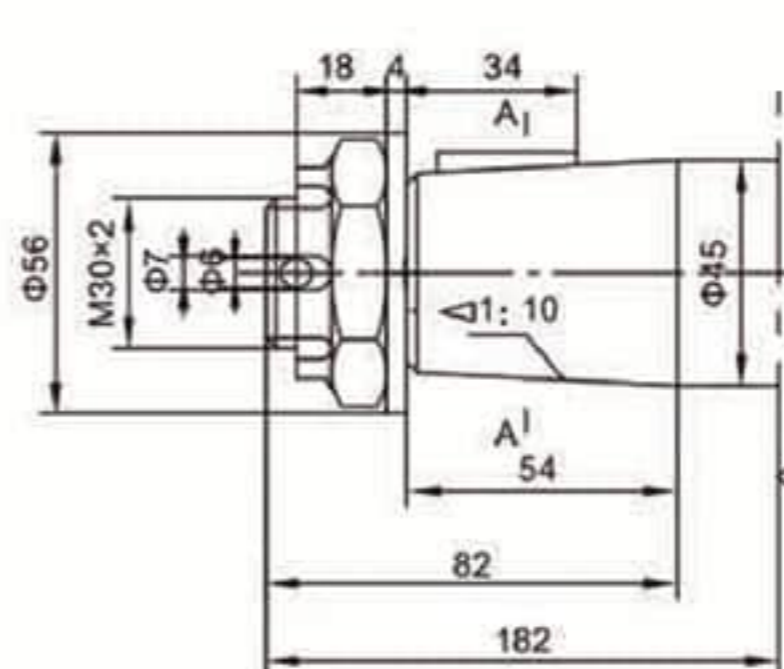
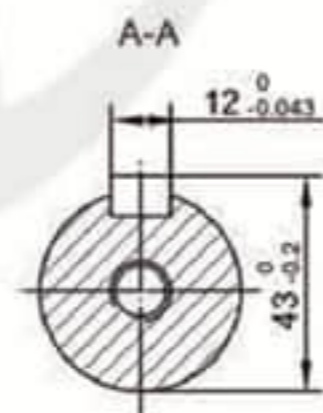
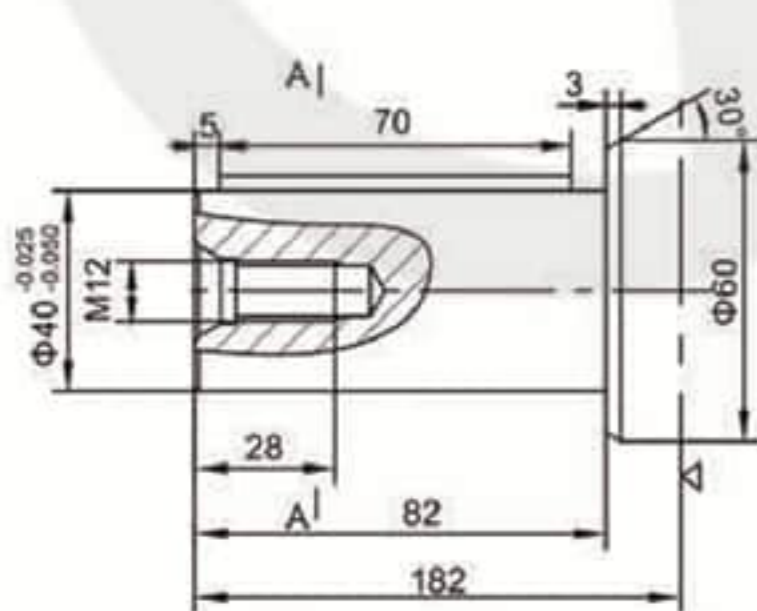
油口 Ports	P(A、B)(深deep)	C (深deep)	T (深deep)
代号 Code			
Y	G3/4 (15)	M10 (12)	G1/4(12)

P(A、B)---进出油口, C---油口面安装螺纹孔 (—表示没有此螺纹孔), T---泄油口  
P(A、B)---Ports, C---Mounting Thread (—Indicates no this thread), T---Drain connettion

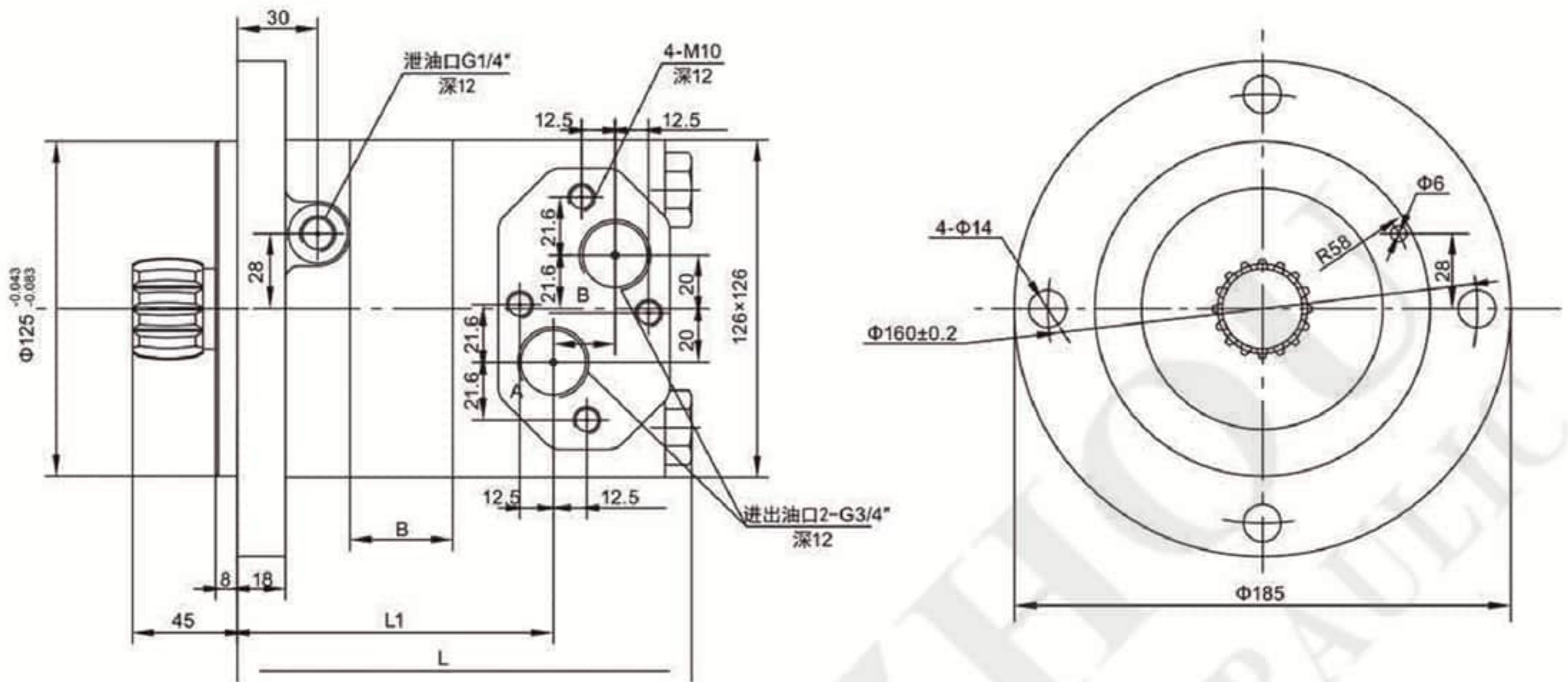
■ OMTW外形安装尺寸-输出轴 Shaft Version

P31: Φ40平键轴, 平键12×8×70  
Φ40 Cylindrical shaft, parallel key12×8×70

Z2: Φ45锥轴, 锥度1:10, 平键12×8×28  
Φ45 Tapered shaft, taper1:10, parallel key12×8×28

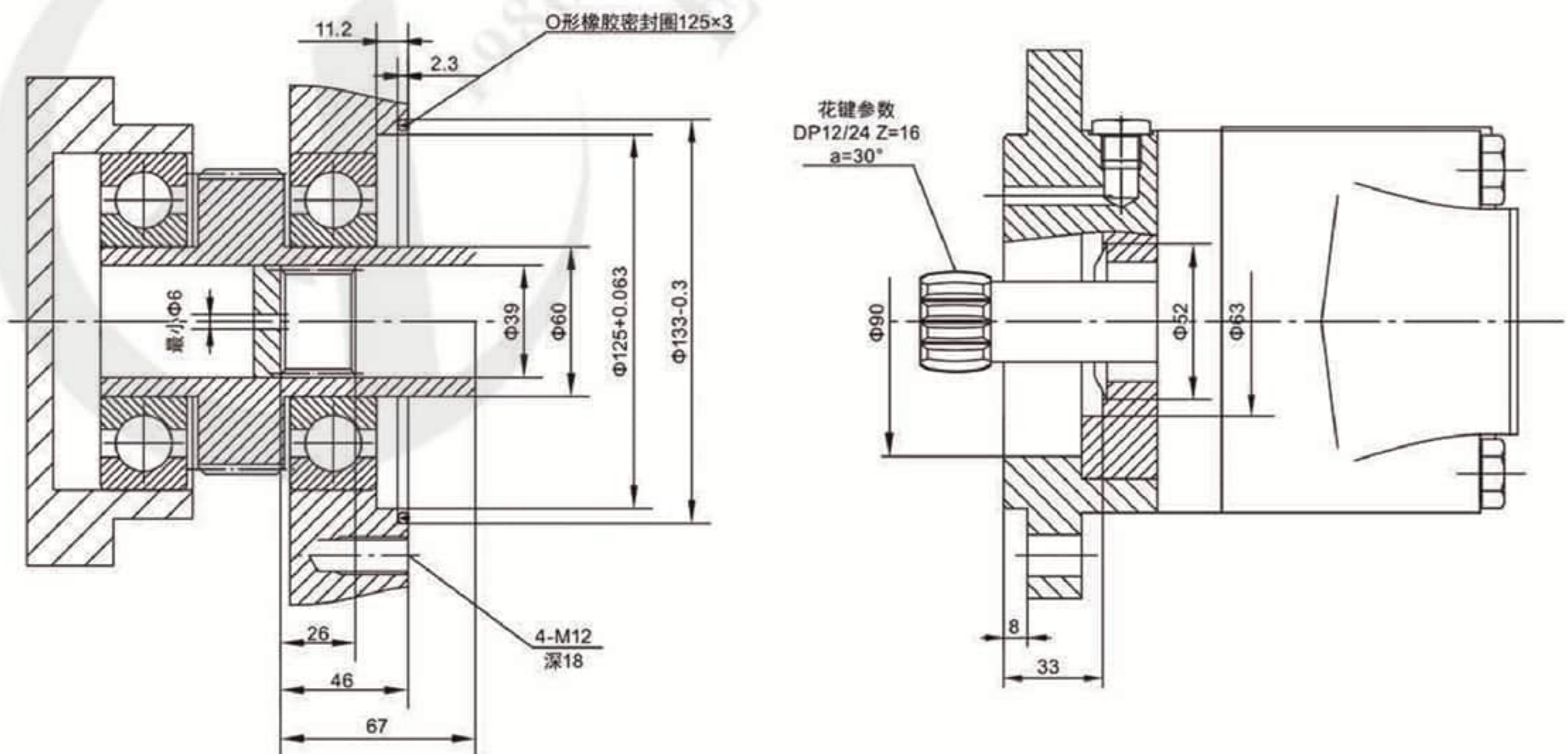


■ OMTS外形安装图 Installation



型号Type	OMTS-160	OMTS-200	OMTS-250	OMTS-320	OMTS-400	OMTS-500
L	144	148.5	154	161	170	188.5
L1	93.5	98	103.5	110.5	119.5	138
B	12	16.5	22	29	38	56.5

■ OMTS外形连接尺寸（连接尺寸供参考） Shaft Version



■ 特点 Feature:

OMV马达是一种盘配流马达  
先进的盘配流设计, 低速性能好 容积效率高, 并具有磨损自动补偿功能  
双列圆锥滚针轴承能够承受大的径向力, 并应用于重载荷驱动的场所  
OMV motor is one disc valve type gerotor motor,  
Advanced design of disc distribution flow, which can provide improved performance at low speed  
Higher volumetric for the automatically copensate wear.  
Double taper roller bearings permit high radial loads, can be used on heavy vehicles in traction drive applications



■ OMV型号说明 Model Code

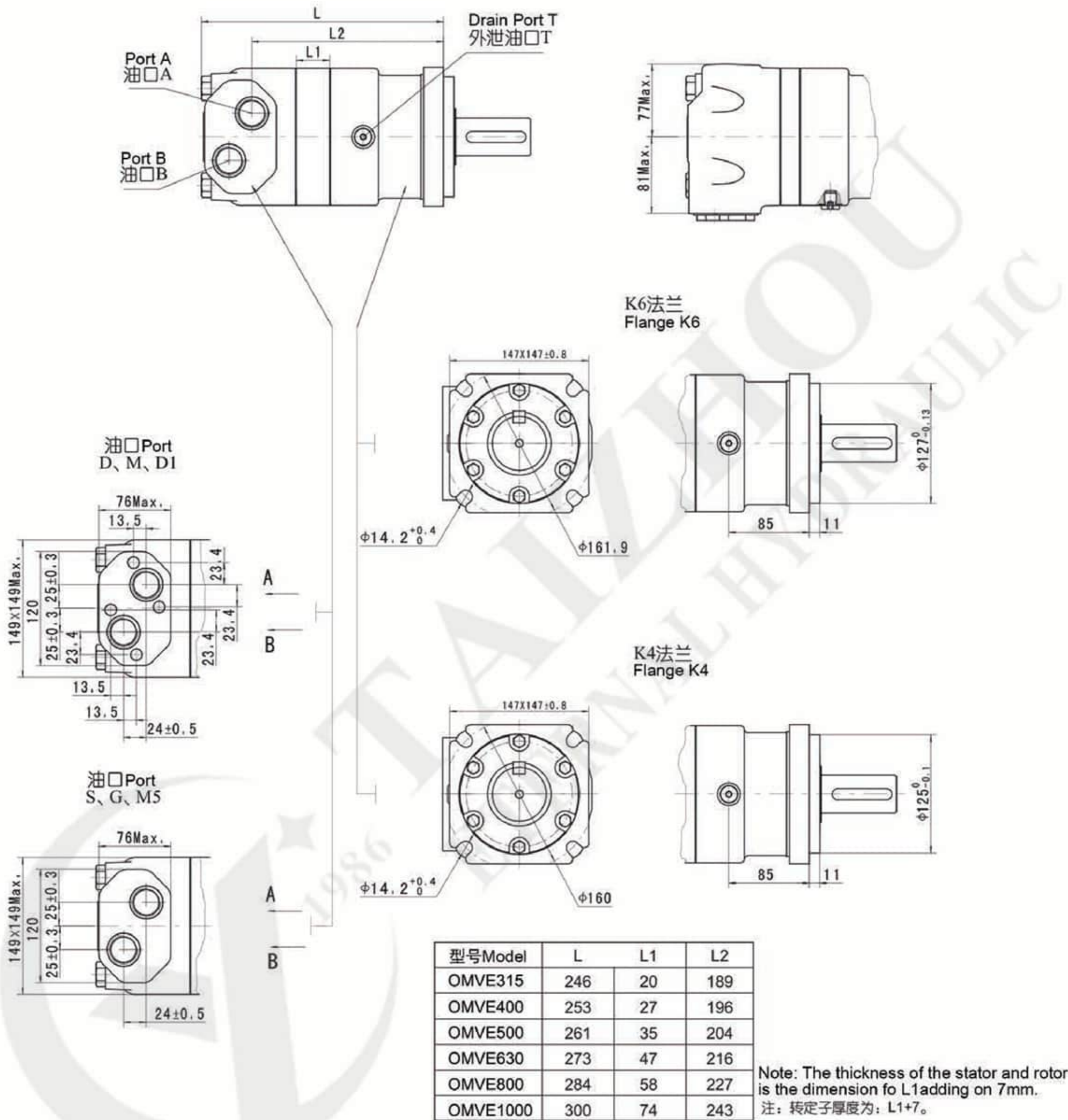
OMV	-800	4	P1	D
系列 Code	排量 Displace	安装法兰及止口 Mounting Flange&Spigot	输出轴 Shaft	油口&泄油口 Inlet&Outlet and Drain Port
OMV	315,400,500,630,800,1000	4: 4-φ18方法兰Square Flange (φ200),止口Spigotφ160x11 W: 4-φ18车轮法兰Wheel Flange (φ224),止口Spigotφ180x10	P1: φ50(82),key14x9x70 P2: φ57.15(82), key12.7x12.7x57.15 H1: φ53.975(82), 16-DP8/16 H2: φ53.975(82),16-DP8/16 H3: φ45,17Zx2.5x30Px5e Z1: φ60锥轴Taper,key B16x10x32 Z2: 57.2锥轴Taper, key14.308x14.308x50.8	D: G1,G3/4,4-M12 M: M33x2,M14x1.5,4-M12 S: 1-5/16-12UN, 9/16-18UNF G: G1,G1/4 M5: M33x2,M14x1.5 D1: G3/4,G1/4,4-M12
OMVE		K6: 4-φ14.2方形法兰Square Flange (φ162),止口Spigotφ127x11 K4: 4-φ14.2方法兰Square Flange (φ160),止口Spigotφ125x11	P3: φ40(79),key12x8x70 P4: φ40(56),key12x8x45	

■ OMV技术参数 Technical Data

型号 TYPE	OMV OMVE 315	OMV OMVE 400	OMV OMVE 500	OMV OMVE 630	OMV OMVE 800	OMV OMVE 1000
排量 Displacement(ml/r)	333	419	518	666	801	990
最大压降 Max.Pressure.Drop(Mpa)	连续 cont.	20	20	20	18	14
	间断 int.	24	24	24	21	16
	尖峰 peak.	28	28	28	24	18
最大扭矩 Max.Torque(N.m)	连续 cont.	920	1180	1460	1660	1880
	间断 int.	1110	1410	1760	1940	2110
	尖峰 peak.	1290	1640	2050	2210	2470
转速范围 (连续) Speed.Range(cont)(r/min)	510	500	400	320	250	200
最大流量 (连续) Max Flow(cont)(L/min)	160	200	200	200	200	200
最大输出功率 (连续) Max.output.Power(cont)(Kw)	38	47	47	40	33	28.6
重量 Weight(Kg)	31.8	32.6	33.5	34.9	36.5	38.6

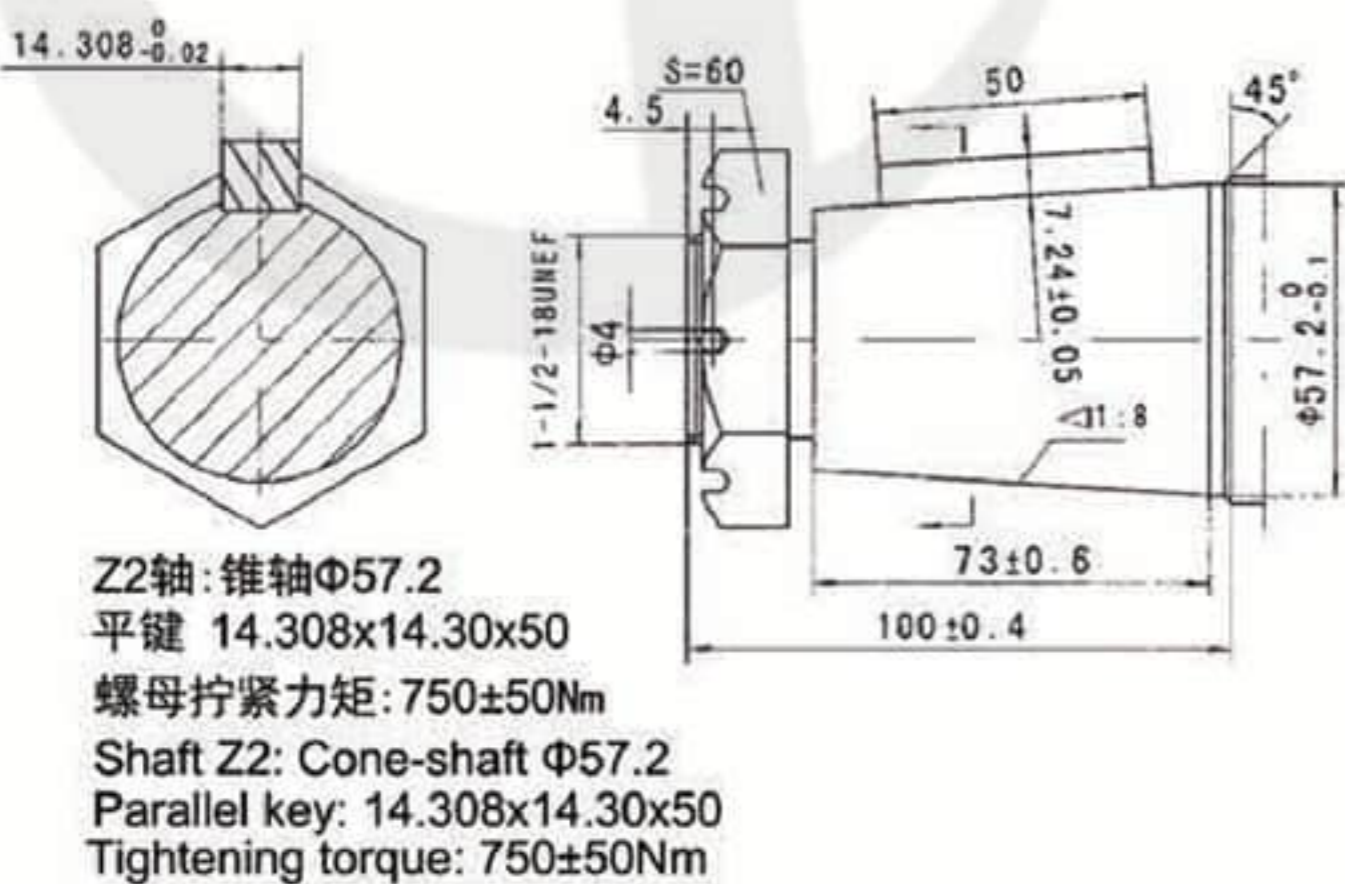
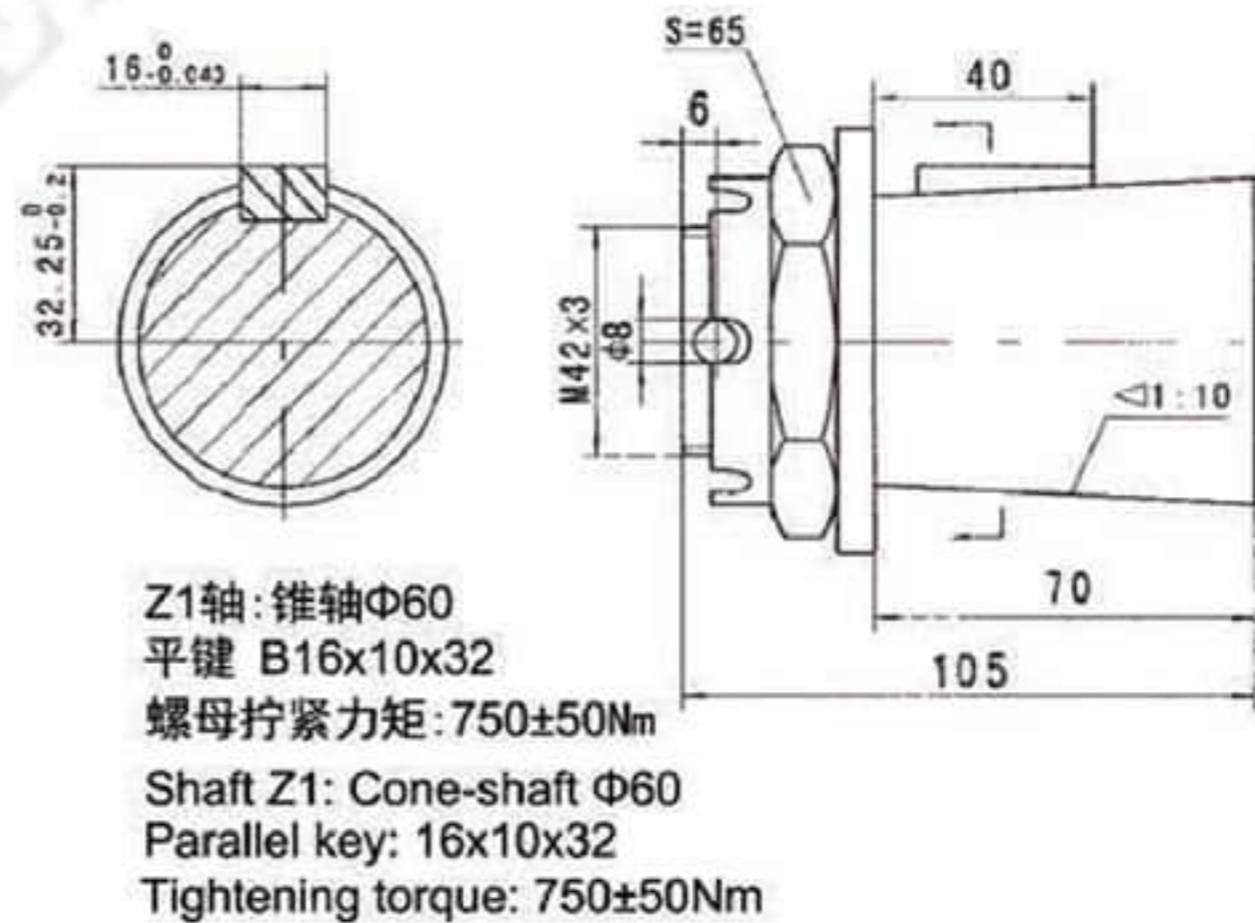
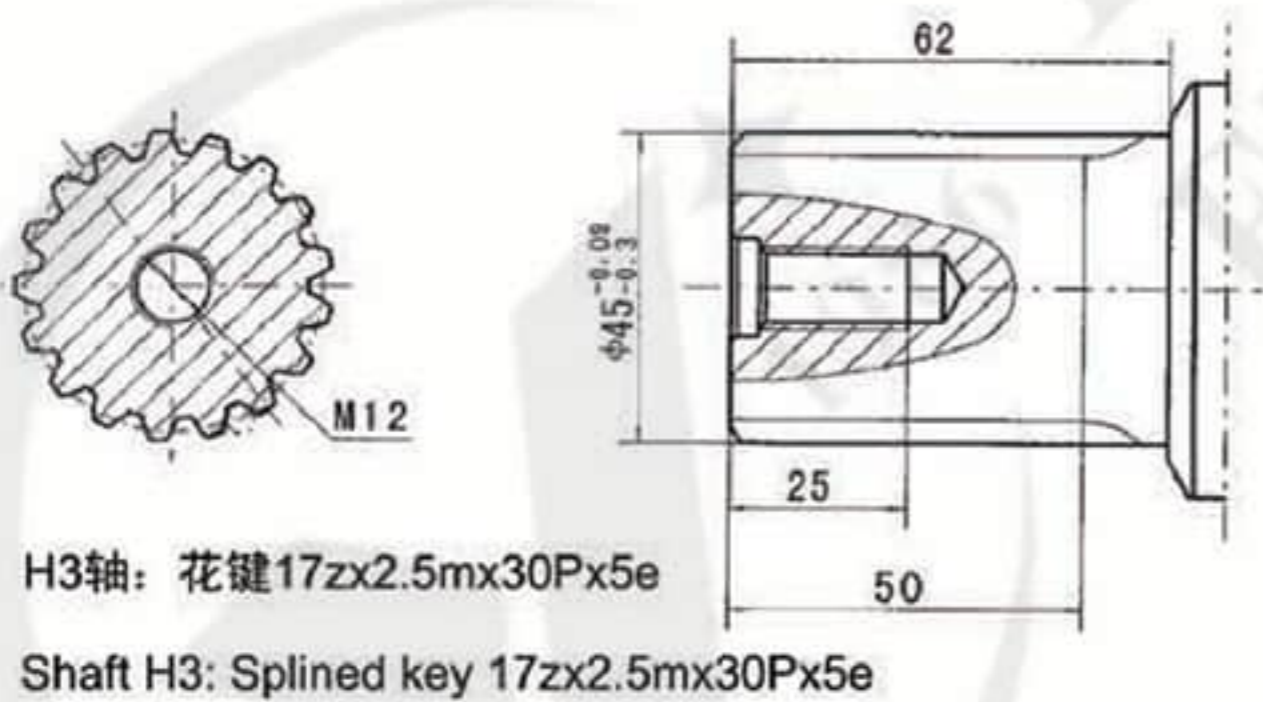
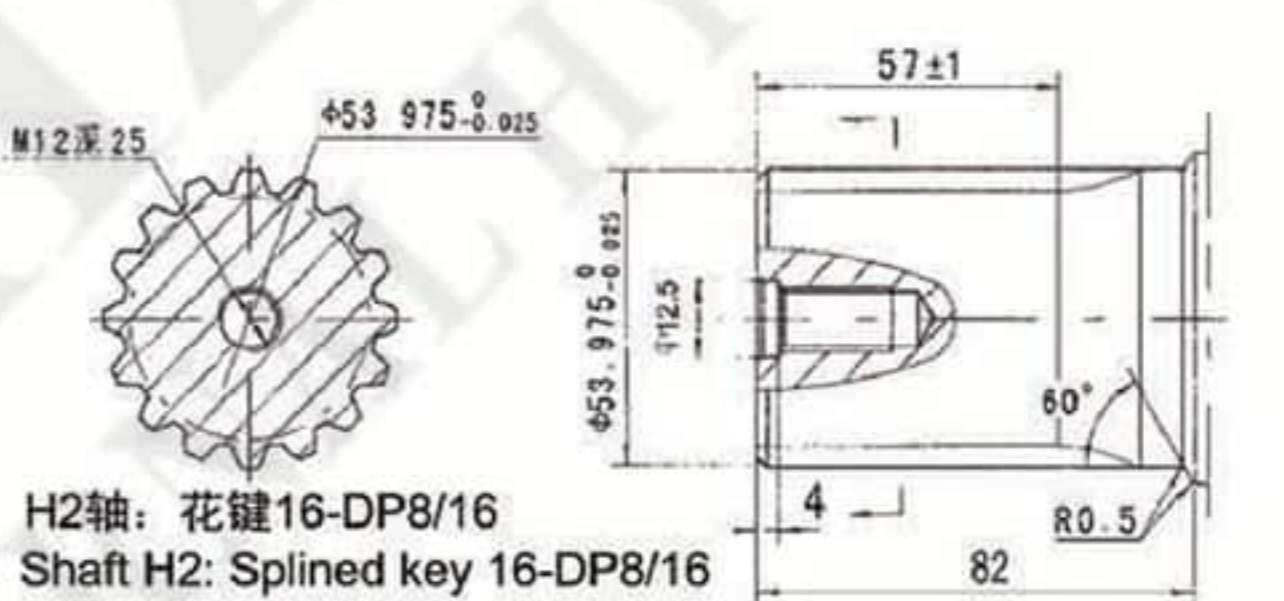
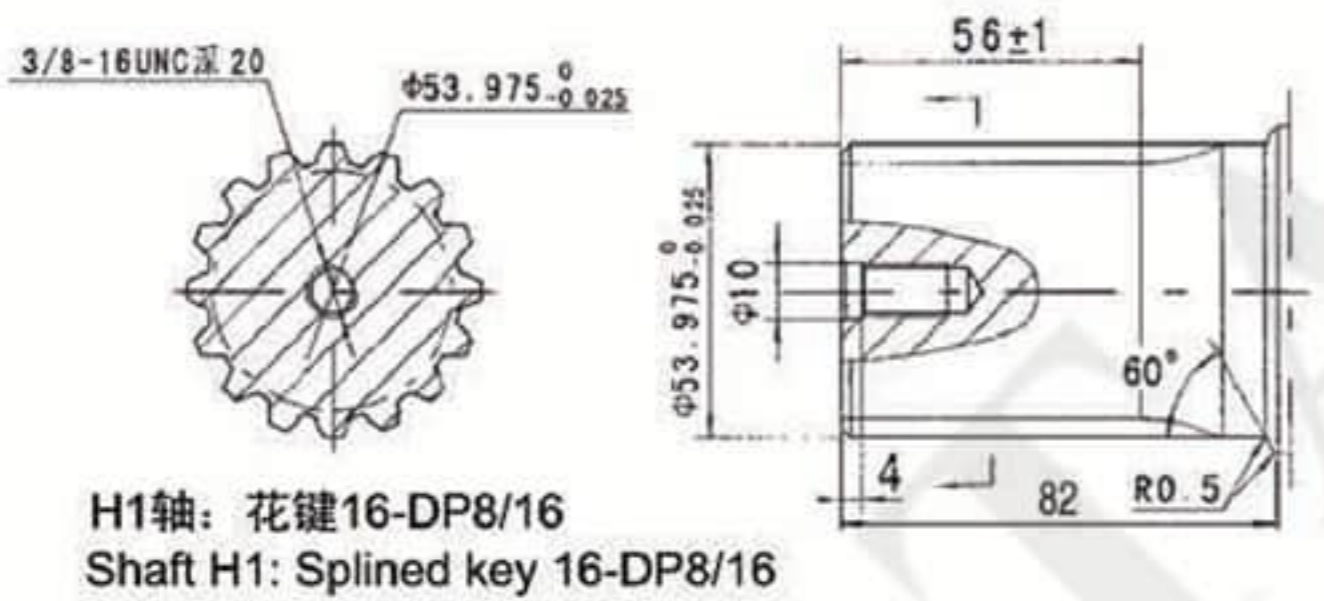
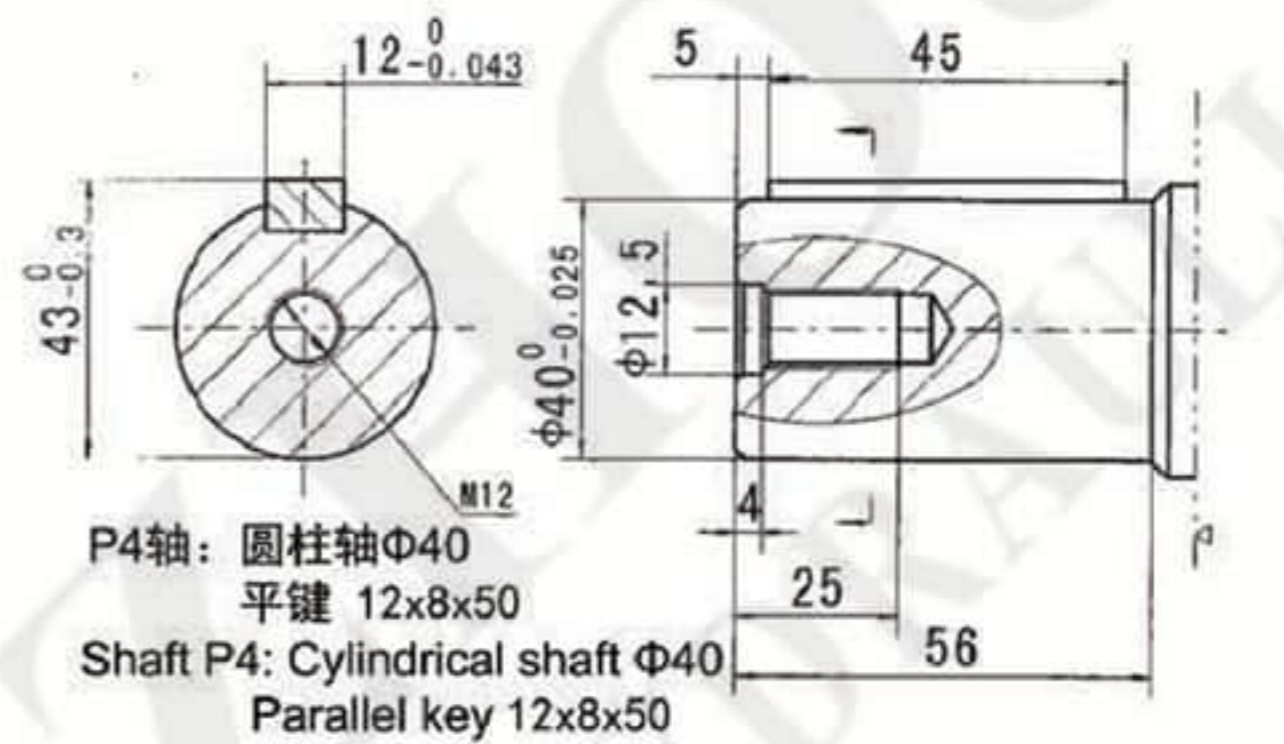
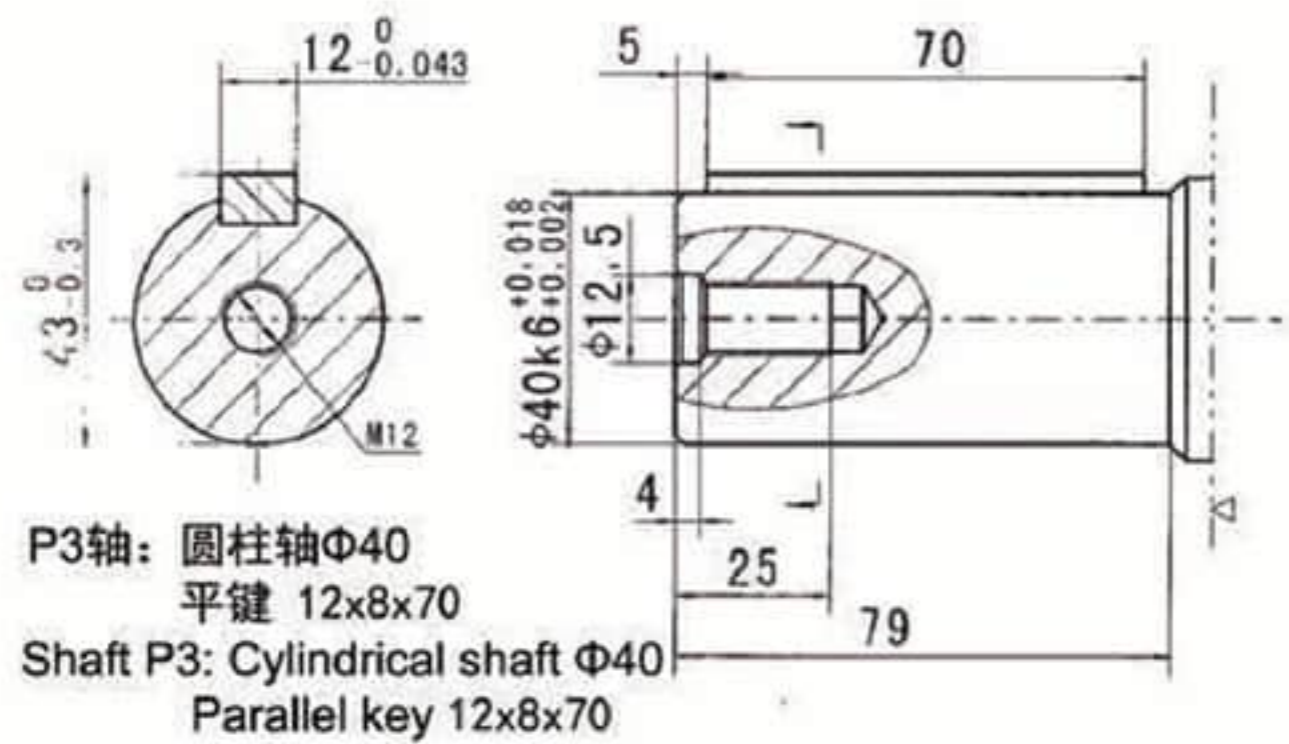
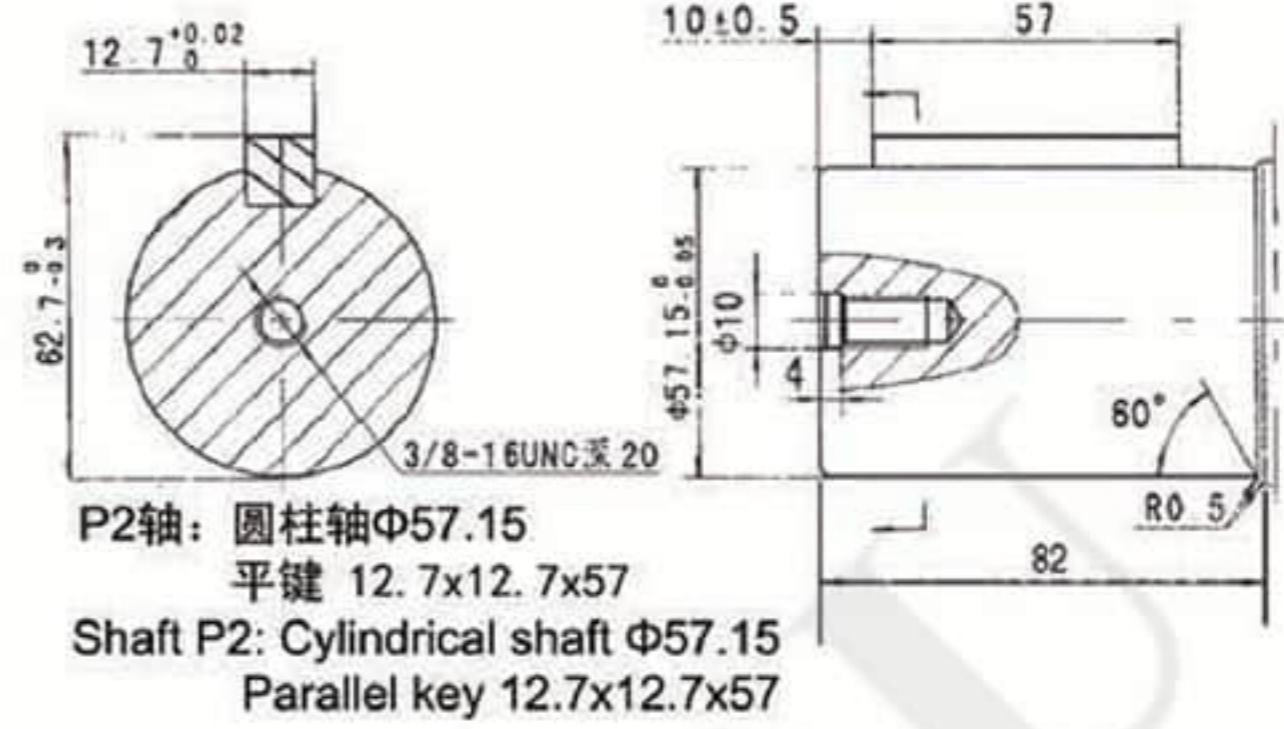
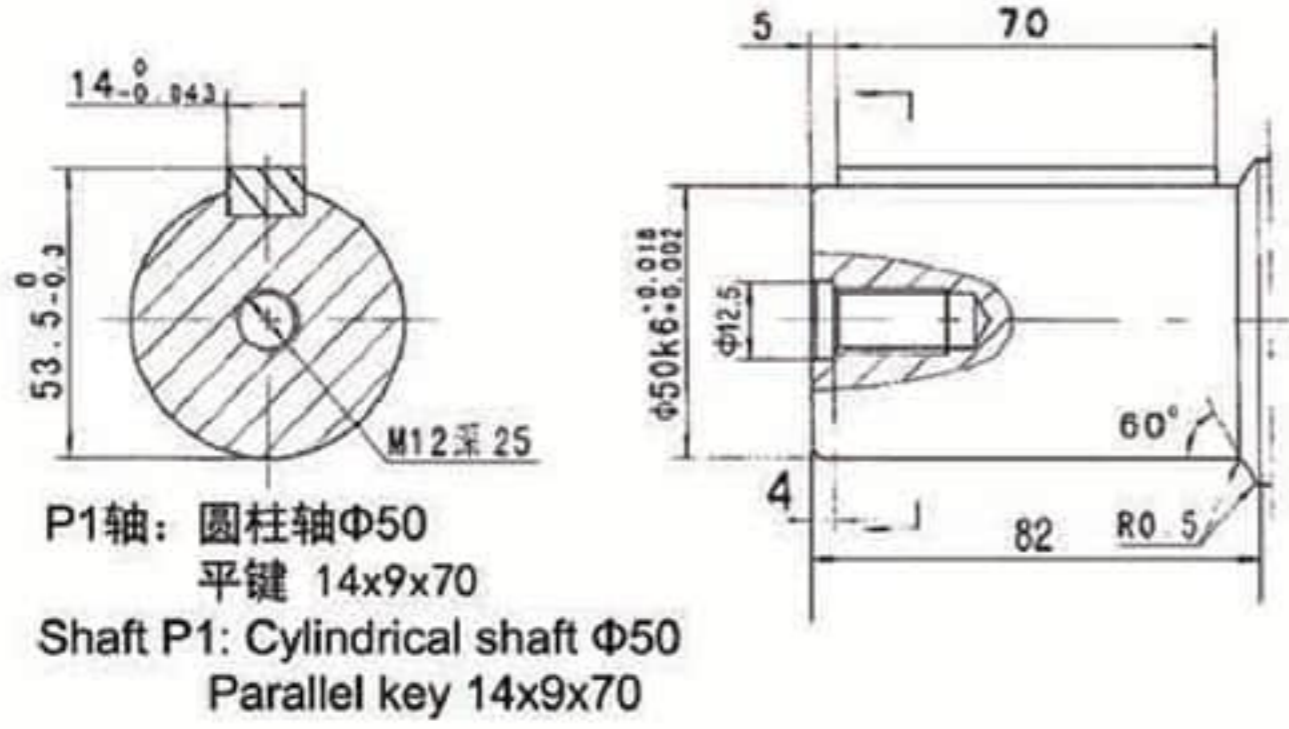


■ OMVE 安装连接尺寸 Dimension



内容 Content 连接尺寸 Mounting	代号Code					
	D(深)(depeth)	M(深)(depeth)	S(深)(depeth)	G(深)(depeth)	M5(深)(depeth)	D1(深)(depeth)
P(A,B)	G1 (18)	M33 x 2 (18)	1-5/16-12UN(18)	G1 (18)	M33 x 2 (18)	G3/4(18)
T	G1/4 (12)	M14 x 1.5 (12)	9/16-18UNF(12)	G1/4 (12)	M14 x 1.5 (12)	G1/4(12)
C	4-M12 (12)	4-M12 (12)	--	--	--	4xM12(12)

■ OMV外形安装尺寸—输出轴 Shaft Version



### ■ 特点 Feature:

OMH马达是带有轴承支撑的轴配流马达。  
 双轴承支撑，可以承受更大的径向力。  
 采用镶齿式定转子副，气动压力低，效率高，保持性好。  
 可靠的轴密封设计，承受背压高，可以串并联使用

OMH Motor is one spool valve with double ball-bearing type moto,  
 Supported by double ball-bearing,the shaft can bear higher radial force.  
 Adope gerolor design, low starting pressure, high efficiency and good preformance  
 Shaft seal can bear high pressure of bace and the motor can be used in parallel or in series



### ■ 型号说明 Model Code

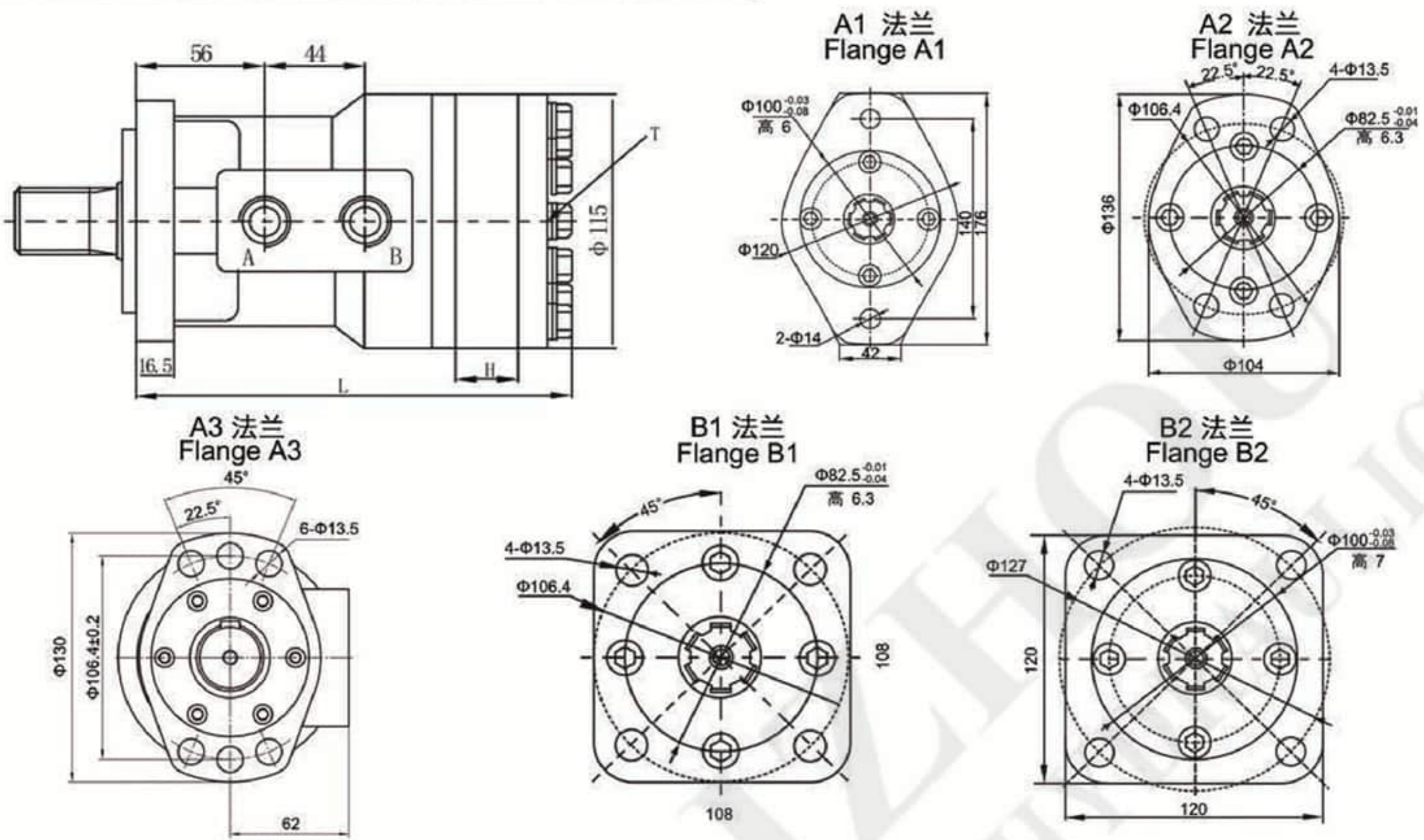
OMH	-400	B1	P1	Y
系列 Code	排量 Displacement	安装法兰及止口 Mounting Flange&Spigot	输出轴 Shaft	油口&泄油口 Inlet&Outlet and Drain Port
OMH	200,250,315,400,500	参照下图 See Below Drawing		

### ■ OMH技术参数 Technical Data

型号 TYPE	OMH-200	OMH-250	OMH-315	OMH-400	OMH-500
排量 Displacement(ml/r)	203	253.7	318.9	405.9	471.1
最大压降 Max.Pressure.Drop (Mpa)	连续 cont.	15.5	15.5	13.5	10.5
	间断 int.	17.5	17.5	15.5	12.5
	尖峰 peak.	20	20	19	15.5
最大扭矩 Max.torque (N.m)	连续 cont.	419	493	541	535
	间断 int.	473	557	621	636
	尖峰 peak.	541	636	762	789
最高转速 Max. Cont. Speed (r/min)	370	295	235	185	155
最大流量 Max.Flow(cont.)(L/min)	75	75	75	75	75
最大输出功率 Max.Output.Power(cont.)(Kw)	14	14	12.5	10	8.5
重量 Weight(kg)	10.5	11	11.5	12.5	13

间断工作时间每分钟不得超过6秒，尖峰工作时间每分钟不得超过0.6秒  
 Intermittent operation the permissible values may occur for max. 10% of every minute  
 Peak load: the permissible values may occur for max. 1% of every minute

■ OMH马达连接尺寸&外形图 Dimension&Mounting



排量(ml/r) Displacement	200	250	315	400	500	600	800
H	21.7	27.3	34.5	43.4	54.4	69.1	89
L	184.7	190.3	197.5	206.4	217.4	232.1	252

马达标准旋向：  
面对输出轴轴端，A油口进油，马达顺时针旋转

Standard direction if the motor rotation  
CW-When a part pressurizde, Viewed from the shaft end

■ OMH油口代号 Port Code

油口 Ports 代号 Code	P(A、B)(深deep)	C (深deep)	T (深deep)
Y	G1/2 (15)	M8 (13)	G1/4 (12)
Y5	7/8-14UNF (15)	3/8-16UNC (13)	7/16-20UNF (12)
Y8	NPT1/2 (15)	5/16-18UNC (13)	7/16-20UNF (12)
Y25	7/8-14UNF (15)	M8 (13)	7/16-20UNF (12)

注: P(A、B)—进油口, C—油口面安装螺纹 (—表示没有此螺纹孔), T—泄油口

Note: P(A、B)—Ports, C—Mounting Thread (—Indicates no this thread), T—Drain connettion



OMP1	-400	B1	P	G
系列 Code	排量 Displacement	安装法兰及止口 Mounting Flange& Spigot	输出轴 Shaft	油口& 泄油口 Inlet& Outlet and Drain Port
OMP1	50, 80, 100, 125, 160, 200, 250, 315, 400	B1: 4-φ11 方法兰 Square Flange, 止口 Spigot φ80x5 B2: 4-φ11 方法兰 Square Flange, 止口 Spigot φ82.5x5	P: φ25(40), key8x7x28 L: φ25(40), 6-25x21x5 花键 Spline M: φ25(40), 6-25x21x6 花键 Spline	M1: M18x1.5, M10x1 M2: M20x1.5, M10x1 M3: M22x1.5, M10x1 G: G1/2, G1/4
OM1		B1: 4-φ11 方法兰 Square Flange, 止口 Spigot φ80x6 B2: 4-φ11 方法兰 Square Flange, 止口 Spigot φ82.5x6		
OMRL		2: 2-φ13.5 菱形法兰 Diamond Flange, 止口 Spigot φ82.5x6		
OYM		Z3: 4-φ11 长方形法兰 Rectangle Flange, 止口 Spigot φ80x5 Z5: 4-φ11 长方形法兰 Rectangle Flange, 止口 Spigot φ85x5		
OM2/3/4	-400	2	A	M3
系列 Code	排量 Displacement	安装法兰及止口 Mounting Flange& Spigot	输出轴 Shaft	油口& 泄油口 Inlet& Outlet and Drain Port
OM2	80, 100, 125, 160, 200, 250, 315, 400	2: 4-φ13 方法兰 Square Flange, 止口 Spigot φ100x6	A: φ25(43), key8x7x32 P: φ30(43), key10x8x40 N: φ30(43), 6-30x26x6 花键 Spline J: φ30(43), 6-30x26x8 花键 Spline P1: φ30(37), key8x7x28	M3: M22x1.5, M10x1
OM3	500, 630	3: 4-φ13 方法兰 Square Flange, 止口 Spigot φ125x6	N: φ42轴, 8-42x36x7 花键 Spline	
OM4	160, 200, 250, 315, 400, 500, 630	2: 4-φ13 方法兰 Square Flange, 止口 Spigot φ100x6	P: φ30(46), key10x8x40 N: φ30(46), 6-30x26x6 花键 Spline J: φ30(46), 6-30x26x8 花键 Spline P1: φ30(37.5), key8x7x28 B: φ30(56), key10x8x45 B1: φ30(46), key10x8x32	
OMER2	475	M	S	G2
系列 Code	排量 Displacement	安装法兰及止口 Mounting Flange& Spigot	油口 Inlet& Outlet Port	输出轴 Shaft
OMER2	160, 200, 250, 315, 400, 500, 630, 800, 985	M: 4-φ13.5 腰型法兰 Magneto Flange, 止口 Spigot φ82.55x2.8 F: 6-φ13.5 腰型法兰 Magneto Flange, 止口 Spigot φ82.55x2.8 W: 4-φ13.5 车轮法兰 Wheel Flange, 止口 Spigot φ82.55x2.5	S: 7/8-14 O-ring P: 1/2-14NPTF D: G1/2 H: 1/2 法兰油口 Flange Port	G2: φ31.75, key7.96x36.5 B1: φ32, key10x45 FD1: φ31.75, 14-DP12/24 T4: φ31.75 锥轴 Taper, key7.96x25.4 RW: φ25.4, key6.35x31.75 AW: φ25, key 8x32 SW: φ25.4, SAE 6B