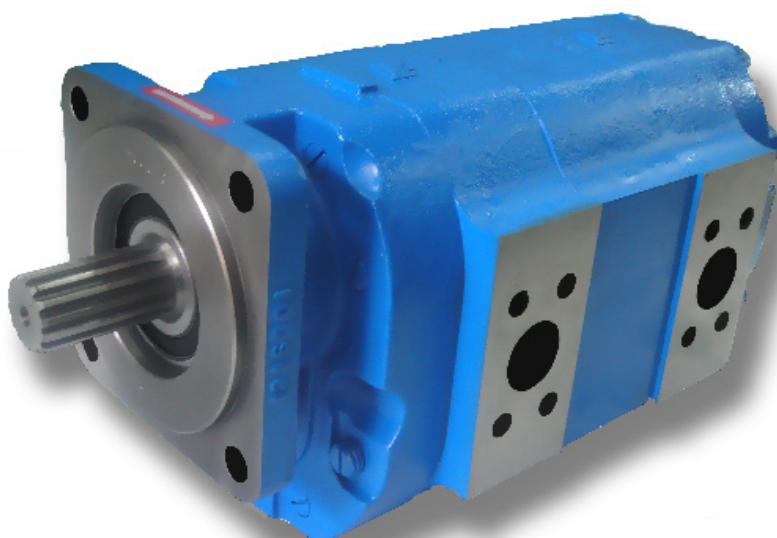


7600 系列

齿轮泵及马达
PUMPS AND MOTORS



高压大排量滚动轴承齿轮泵及马达

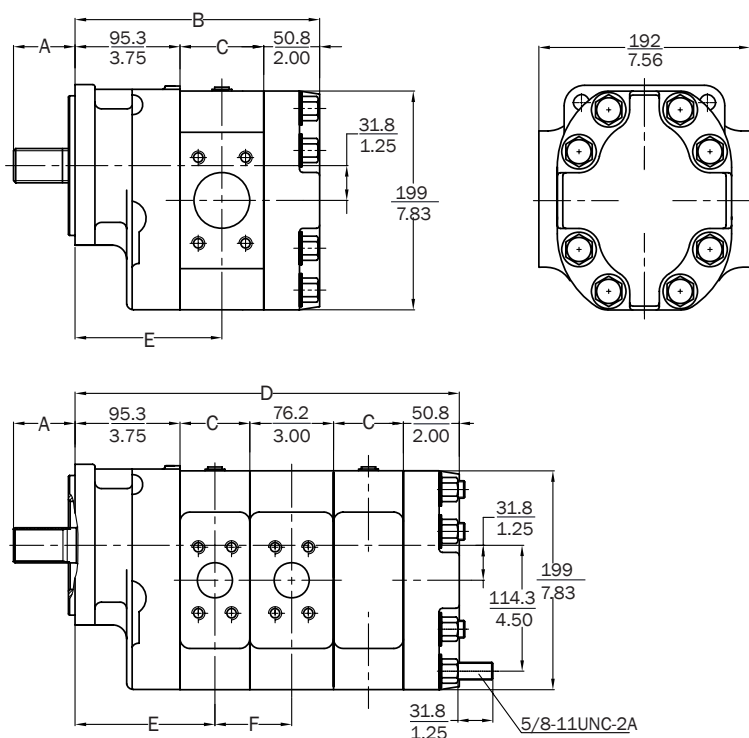
HIGH PRESSURE LARGE DISPLACEMENT ROLLER BEARING PUMPS AND MOTORS

特点

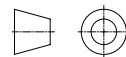
- 本系列高压齿轮泵最高压力可达25MPa
- 排量从33.1ml/r-198.8ml/r
- 泵和马达均有多种联接形式，联接尺寸符合SAE标准
- 可按用户要求设计成单联泵或多联泵



7600系列尺寸数据 (mm/in) DIMENSIONAL DATA (mm/in)



- A. SAE "C" shaft shown, other shafts available
图示为SAE"C"轴伸, 轴伸型式有多种选择
- B. 6.75" plus gear width
171.5 mm + 齿轮宽度
- C. 1" plus gear width
25.4 mm + 齿轮宽度
- D. 10.75" plus total gear width
273.1 mm + 总齿轮宽度
- E. 4.25" plus half front gear width
108 mm + 前齿轮宽度的一半
- F. 2" plus half front gear width
50.8 mm + 前齿轮宽度的一半



性能 PERFORMANCE

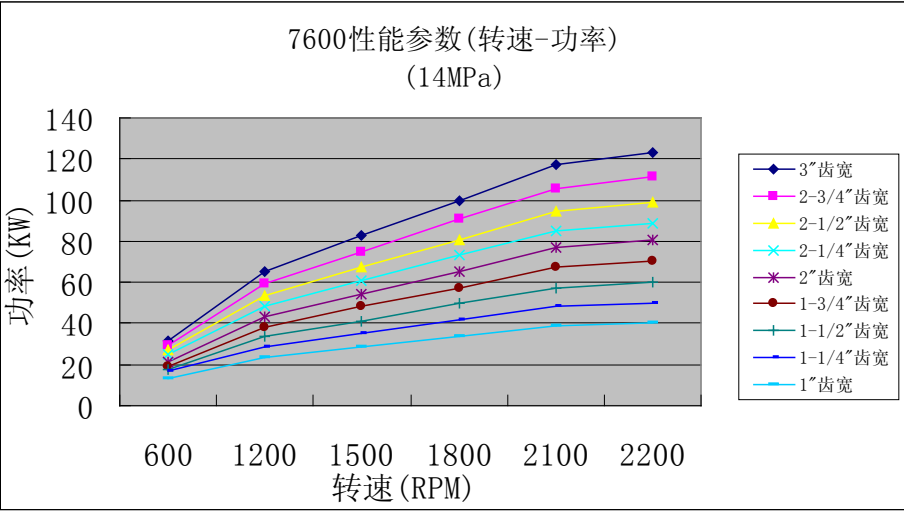
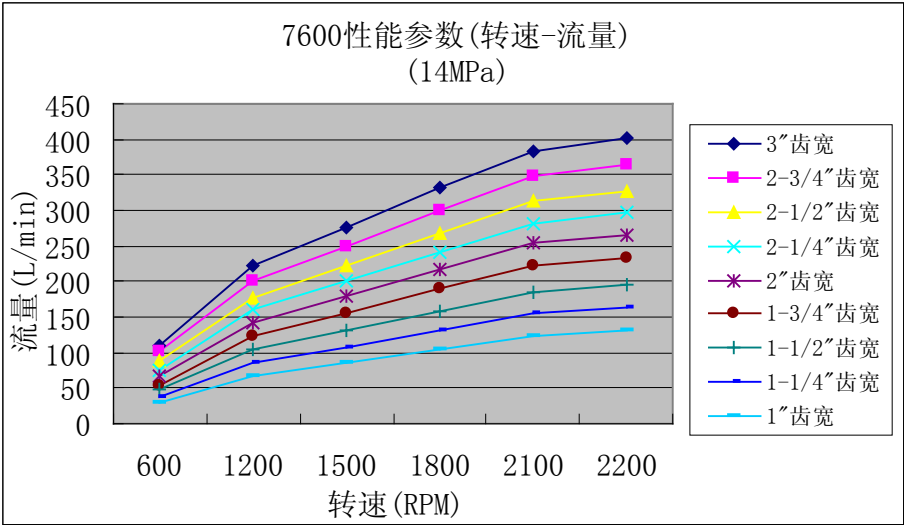
齿轮泵 Gear Pumps

Displacement 排量	Gear Width 齿宽	Rated Pressure 额定压力	Max Pressure 最高压力	Working Speed RPM 工作转速 转/分	Input Power 输入功率
ml/rev	Inch 英寸	MPa	MPa	Max 最高 Min 最低	KW
33.1	1/2"	21	25	2200 600	26.8
49.7	3/4"	21	25	2200 600	40.3
66.3	1"	21	25	2200 600	53.7
82.8	1-1/4"	21	25	2200 600	67.1
99.4	1-1/2"	21	25	2200 600	80.6
116.0	1-3/4"	21	25	2200 600	94.0
132.5	2"	21	25	2200 600	107.4
149.1	2-1/4"	21	25	2200 600	120.8
165.7	2-1/2"	21	25	2200 600	134.3
182.2	2-3/4"	18	21	2200 600	126.6
198.8	3"	18	21	2200 600	138.1

齿轮马达 Gear Motors

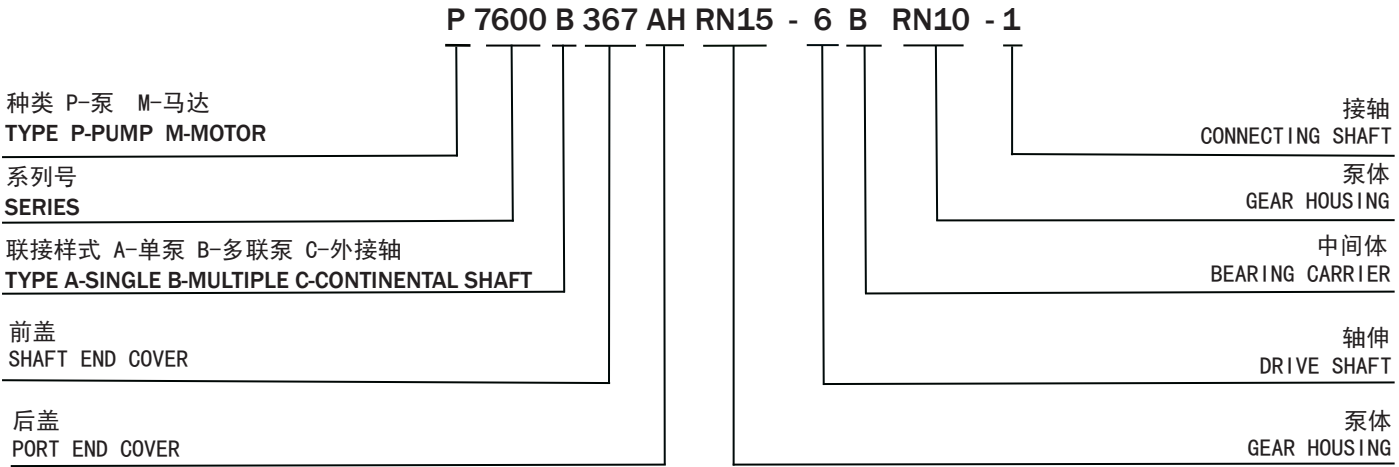
Displacement 排量	Input Flow 输入流量 2000 RPM	Gear Width 齿宽	Rated Pressure 额定压力	Max Pressure 最高压力	Output Speed RPM 输出转速 转/分	Output Power 2000 RPM 输出功率	Output Torque 输出扭矩
ml/rev	LPM	Inch 英寸	MPa	MPa	Max 最高 Min 最低	KW	N-m
33.1	73.6	1/2"	21	25	2200 600	20.9	99.5
49.7	110.4	3/4"	21	25	2200 600	31.3	149.4
66.3	147.3	1"	21	25	2200 600	41.8	199.3
82.8	184.0	1-1/4"	21	25	2200 600	52.2	248.9
99.4	220.9	1-1/2"	21	25	2200 600	62.6	298.8
116.0	257.8	1-3/4"	21	25	2200 600	73.1	348.7
132.5	294.4	2"	21	25	2200 600	83.5	399.5
149.1	331.3	2-1/4"	21	25	2200 600	94.0	448.2
165.7	368.2	2-1/2"	21	25	2200 600	104.4	498.1
182.2	404.9	2-3/4"	18	21	2200 600	98.4	469.5
198.8	441.8	3"	18	21	2200 600	107.4	512.2

性能曲线 PERFORMANCE CURVE



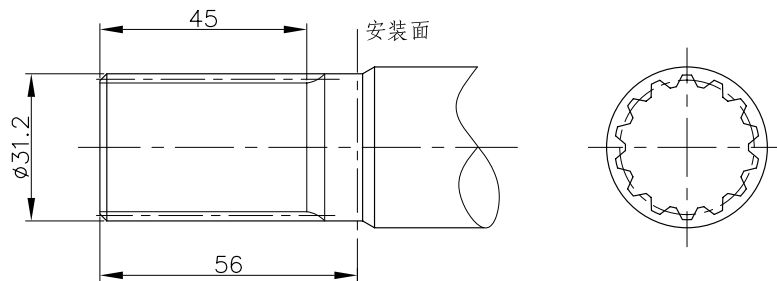
*: 性能曲线是基于一系列试验结果汇总得出的，其数值并不代表单独一台产品的性能。
*: Performance data given is based on a series of test and is representative of any one unit.

标准型号说明 STANDARD MODEL IDENTIFICATION



7600轴伸型式 7600 DRIVE SHAFTS

CODE 6



轴伸型式:

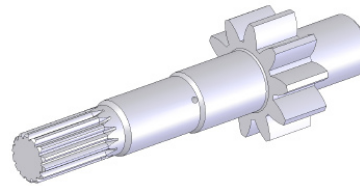
SAE C 14齿渐开线外花键

DP: 12/24 压力角: 30°

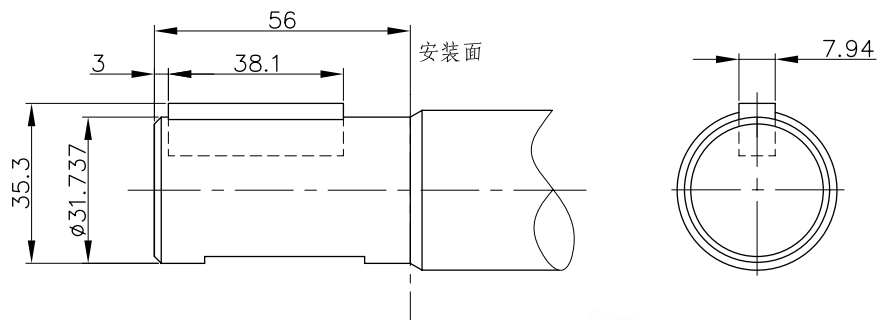
DRIVE SHAFT;

SPLINED SAE C (14 TEETH)

DP:12/24 PRESSURE ANGLE:30°



CODE 00



轴伸型式:

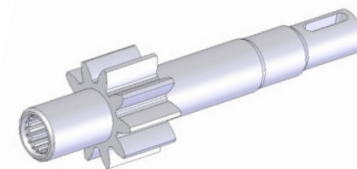
SAE C 平键

键: 5/16" (W) X 15/32" (H) X 1-1/2" (L)

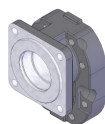
DRIVE SHAFT;

KEYED SAE C

KEY:5/16"(W) X 15/32"(H) X 1-1/2"(L)



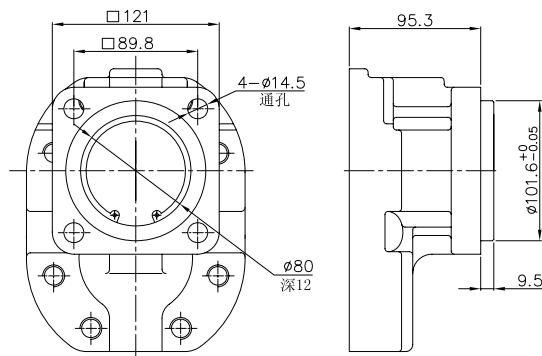
7600前盖型式 7600 SHAFT END COVERS



SAE B-4孔

SAE B-4 BOLT

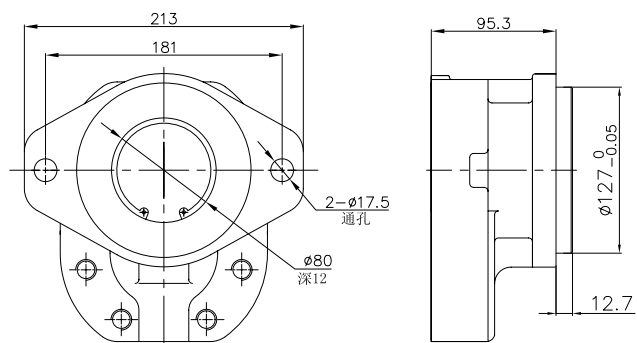
旋向 Rotation		外置轴承 Shaft bearing	
		有With	无Without
泵 Pump	右旋C/W	331	031
	左旋C/C	431	131
	双向BR	531	231
马达Motor	双向BR	731	831



SAE C-2孔

SAE C-2 BOLT

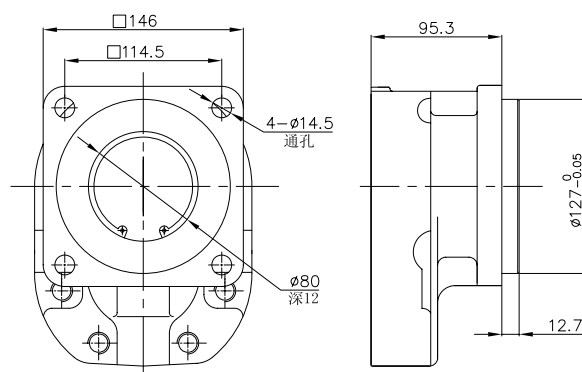
旋向 Rotation		外置轴承 Shaft bearing	
		有With	无Without
泵 Pump	右旋C/W	387	087
	左旋C/C	487	187
	双向BR	587	287
马达Motor	双向BR	787	887



SAE C-4孔

SAE C-4 BOLT

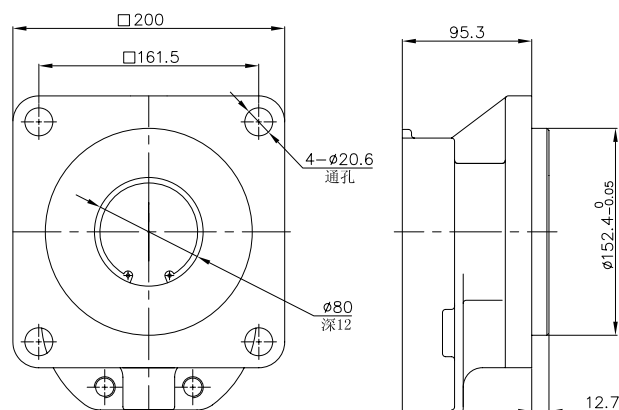
旋向 Rotation		外置轴承 Shaft bearing	
		有With	无Without
泵 Pump	右旋C/W	367	067
	左旋C/C	467	167
	双向BR	567	267
马达Motor	双向BR	767	867



SAE D-4 孔

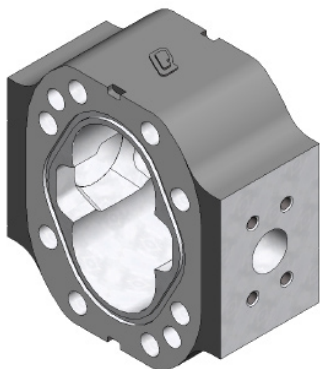
SAE D-4 BOLT

旋向 Rotation		外置轴承 Shaft bearing	
		有With	无Without
泵 Pump	右旋C/W	379	079
	左旋C/C	479	179
	双向BR	579	279
马达Motor	双向BR	779	879

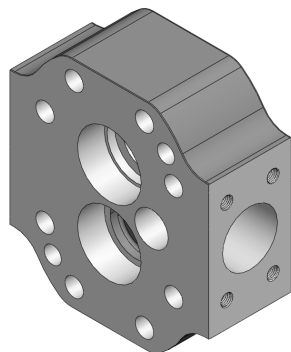


7600系列产品开油口的零部件主要有:

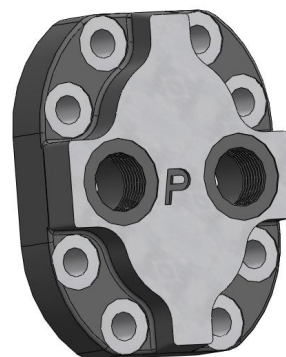
PARTS WITH PORTING OF 7600 SERIES:



泵体

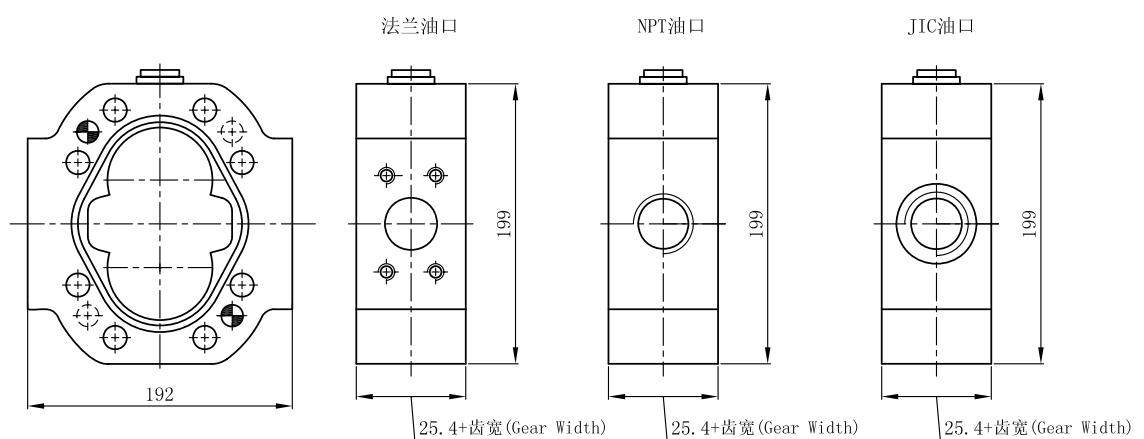


中间体



后盖

7600泵体油口型式 7600 GEAR HOUSING PORTING TYPE



7600泵体油口代码 7600 GEAR HOUSING PORTING CODE

NPT PORTING CODE

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
3/4	/	HB
/	3/4	HC
3/4	1	HF
1	3/4	HI
1	/	XB
/	1	XC
1	1	XE
1	1-1/4	XF
1-1/4	1	XI
1-1/4	1-1/4	XK

BSPP PORTING CODE

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
1	1-1/2	GV
1-1/4	1-1/2	HP
1-1/2	1-1/4	HR
/	1-1/2	HS
1-1/4	1	HW
1-1/2	/	HX
1	1	LO
1-1/4	/	MI
1-1/4	1-1/4	OE
1-1/2	1-1/2	PU
/	1	QP
1	/	RK
/	1-1/4	TH
1-1/2	1	UH
1	1-1/4	UX
3/4	/	XM
/	3/4	XP
3/4	3/4	XR
3/4	1	XS
3/4	1-1/4	XT
1	3/4	XU
1-1/4	3/4	XV

MST PORTING CODE

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
1	1	BL
3/4	/	DM
/	1	DQ
3/4	1	DS
3/4	1-1/4	DT
1	3/4	DU
1-1/4	3/4	DV
1-1/4	1	DW
1	1-1/2	GZ
1	/	MK
1-1/4	1-1/4	OZ
1-1/4	1-1/2	PZ
1-1/2	1-1/4	RZ
/	3/4	SP
1	1-1/4	UD
1-1/2	1	UZ

JIC PORTING CODE

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
3/4	/	DB
/	3/4	DC
3/4	1	DF
3/4	1-1/4	DG
1	3/4	DI
1-1/4	3/4	DJ
1	/	ZB
/	1	ZC
1	1	ZE
1	1-1/4	ZF
1	1-1/2	ZG
1-1/4	1	ZI
1-1/2	1	ZJ
1-1/4	1-1/4	ZK
1-1/4	1-1/2	ZL
1-1/2	1-1/4	ZO
1-1/2	1-1/2	ZQ
2	2	ZZ

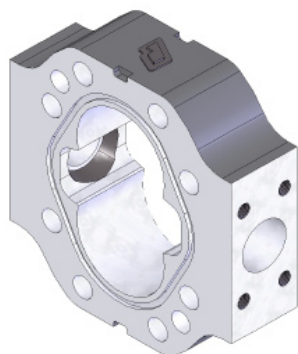
7600泵体油口代码 7600 GEAR HOUSING PORTING CODE

MSF PORTING CODE

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
1	1-1/2	GN
2	1-1/4	IL
1-1/2	2	IM
2	1-1/2	IP
1-1/4	2	IQ
2	2	IR
1-1/2	2-1/2	IW
2-1/2	1-1/2	KI
1-1/4	/	MN
1-1/4	1-1/4	ON
1-1/4	1-1/2	PN
1	3/4	QU
1-1/2	1-1/4	RN
1-1/2	1-1/2	RU
/	1-1/2	SN
1	/	TK
1	1	TL
/	1-1/4	TN
/	1	TQ
1-1/4	1	TW
1-1/2	/	TX
3/4	/	UM
1-1/2	1	UN
/	3/4	UP
3/4	1	US
1	1-1/4	UT

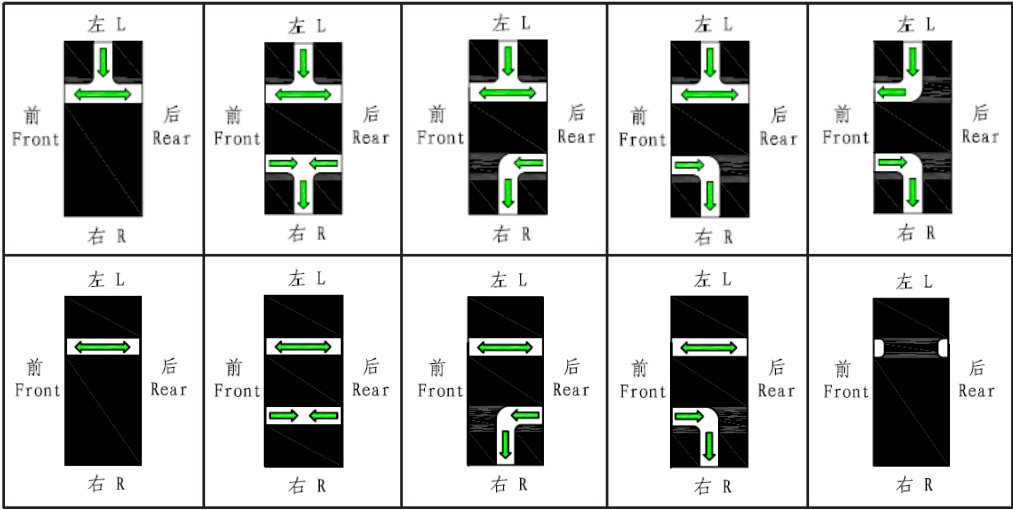
SF PORTING CODE

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
/	/	ZA
/	1-1/4	NA
1	/	NB
/	1	NC
1-1/2	/	ND
1	1	NE
1	1-1/4	NF
1	1-1/2	NG
1-1/4	1	NI
1-1/2	1	NJ
1-1/4	1-1/4	NK
1-1/4	1-1/2	NL
1-1/4	2	NM
1-1/2	1-1/4	NO
2	1-1/4	NP
1-1/2	1-1/2	NQ
1-1/2	2	NR
1-1/2	2-1/2	NS
/	1-1/2	NT
2	1-1/2	NU
2-1/2	1-1/2	NV
2	2	NW
2	2-1/2	NX
2-1/2	2	NY
1-1/4	/	NZ
1	2	TA
3/4	/	TB
/	3/4	TC
3/4	1	TF
/	2	TG
2	/	TH
1	3/4	TI
2	1	TP



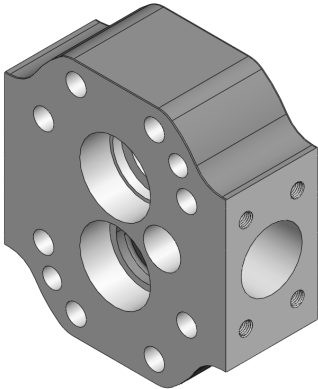
7600中间体油口型式 7600 BEARING CARRIERS PORTING TYPE

中间体油路截面形式 BEARING CARRIERS FLOW SECTIONS



7600马达中间体油口代码 7600 MOTOR BEARING CARRIERS PORTING CODE

油口 (Porting)		代码 CODE	油口类型 TYPE
左 (L)	右 (R)		
/	/	A	
1-T	1-T	DD	BSPP
1-1/4-T	1-1/4-T	FF	BSPP
1-1/2-T	1-1/2-T	GG	BSPP
1-T	1-T	BB	JIC
1-1/4-T	1-1/4-T	AA	JIC
1-1/2-T	1-1/2-T	EE	JIC
1-T	1-T	JJ	MST
1-1/4-T	1-1/4-T	II	MST
1-1/2-T	1-1/2-T	YY	MST
1-T	1-T	SS	NPT
1-T	1-T	QQ	MSF
1-1/4-T	1-1/4-T	RR	MSF
1-1/2-T	1-1/2-T	WW	MSF
1-T	1-T	KK	SF
1-1/4-T	1-1/4-T	LL	SF
1-1/2-T	1-1/2-T	MM	SF



7600泵中间体油口代码 7600 PUMP BEARING CARRIERS CODE

BSPP PORTING

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
/	/	A
T	/	B
1-T	3/4-B	BS
1-T	/	BW
/	T	C
1-1/4-T	3/4-B	CS
1-1/4-T	1-B	CU
1-1/4-T	/	CW
1-1/2-T	3/4-B	ES
1-1/2-T	1-B	EU
1-1/2-T	/	EW
1-T	3/4-F	FL
1-1/4-T	3/4-F	GL
1-1/4-T	1-F	GM
T	3/4-B	KS
3/4-F	1-T	LF
3/4-F	1-1/4-T	LG
3/4-F	1-1/2-T	LV
1-F	1-1/4-T	MG
3/4-B	1-B	MO
1-F	1-1/2-T	MV
1-B	3/4-B	OM
1-F	3/4-F	RW
3/4-B	1-T	SB
3/4-B	1-1/4-T	SC
3/4-B	1-1/2-T	SE
3/4-B	T	SK
1-B	1-1/4-T	UC
1-B	1-1/2-T	UE
1-1/2-T	3/4-F	VL
1-1/2-T	1-F	VM
/	1-T	WB
/	1-1/4-T	WC
/	1-1/2-T	WE
3/4-F	1-F	WR

JIC PORTING

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
/	/	A
/	1-T	AB
/	1-1/4-T	AC
/	1-1/2-T	AE
T	/	B
1-T	/	BA
1-T	3/4-B	BI
1-T	3/4-F	BQ
/	T	C
1-1/4-T	/	CA
1-1/4-T	3/4-B	CI
1-1/4-T	1-B	CJ
1-1/4-T	3/4-F	CQ
1-1/4-T	1-F	CR
1-1/2-T	/	EA
1-1/2-T	3/4-B	EI
1-1/2-T	1-B	EJ
1-1/2-T	3/4-F	EQ
1-1/2-T	1-F	ER
3/4-B	1-T	IB
3/4-B	1-1/4-T	IC
3/4-B	1-1/2-T	IE
3/4-B	1-B	IJ
3/4-B	T	IO
1-B	1-1/4-T	JC
1-B	1-1/2-T	JE
1-B	3/4-B	JI
1-B	1-B	JL
1-F	3/4-F	JW
1-F	1-F	LJ
3/4-F	1-T	QB
3/4-F	1-1/4-T	QC
3/4-F	1-1/2-T	QE
1-F	1-1/4-T	RC
1-F	1-1/2-T	RE
3/4-F	1-F	WJ

MSF PORTING

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
/	/	A
T	/	B
1-T	/	BG
1-B	1-1/4-T	BC
1-B	1-1/2-T	BE
1-B	2-T	BF
1-T	3/4-B	BV
/	T	C
1-1/4-T	1-B	CB
1-1/4-T	/	CG
1-1/4-T	3/4-B	CV
1-1/2-T	1-B	EB
1-1/2-T	/	EG
1-1/2-T	3/4-B	EV
2-T	1-B	FB
2-T	/	FG
1-T	3/4-F	FP
/	1-T	GB
/	1-1/4-T	GC
/	1-1/2-T	GE
/	2-T	GF
1-1/4-T	3/4-F	GP
1-1/4-T	1-F	GR
T	3/4-B	OV
1-F	3/4-F	OW
3/4-F	1-T	PF
3/4-F	1-1/4-T	PG
3/4-F	1-1/2-T	PV
1-F	1-1/4-T	RG
1-B	3/4-B	RS
1-F	1-1/2-T	RV
3/4-B	1-B	SR
3/4-B	1-T	VB
3/4-B	1-1/4-T	VC
3/4-B	1-1/2-T	VE
3/4-B	T	VO
1-1/2-T	3/4-F	VP
1-1/2-T	1-F	VR
3/4-F	1-F	WO

7600泵中间体油口代码 7600 PUMP BEARING CARRIERS CODE

SF PORTING

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
/	/	A
/	1-T	AK
/	1-1/4-T	AL
/	1-1/2-T	AM
/	2-T	AO
T	3/4-B	AQ
T	/	B
/	T	C
1-T	/	KA
1-T	3/4-B	KQ
1-T	3/4-F	KW
1-1/4-T	/	LA
1-1/4-T	3/4-B	LQ
1-1/4-T	1-B	LR
1-1/4-T	3/4-F	LW
1-1/4-T	1-F	LY
1-1/2-T	/	MA
1-1/2-T	3/4-B	MQ
1-1/2-T	1-B	MR
1-1/2-T	3/4-F	MW
1-1/2-T	1-F	MY
2-T	/	OA
2-T	1-B	OR
3/4-B	T	QA
3/4-B	1-T	QK
3/4-B	1-1/4-T	QL
3/4-B	1-1/2-T	QM
3/4-B	1-B	QR
1-F	3/4-F	QY
1-B	1-1/4-T	RL
1-B	1-1/2-T	RM
1-B	2-T	RO
1-B	3/4-B	RQ
3/4-F	1-T	WK
3/4-F	1-1/4-T	WL
3/4-F	1-1/2-T	WM
1-F	1-1/4-T	YL
1-F	1-1/2-T	YM
3/4-F	1-F	YQ

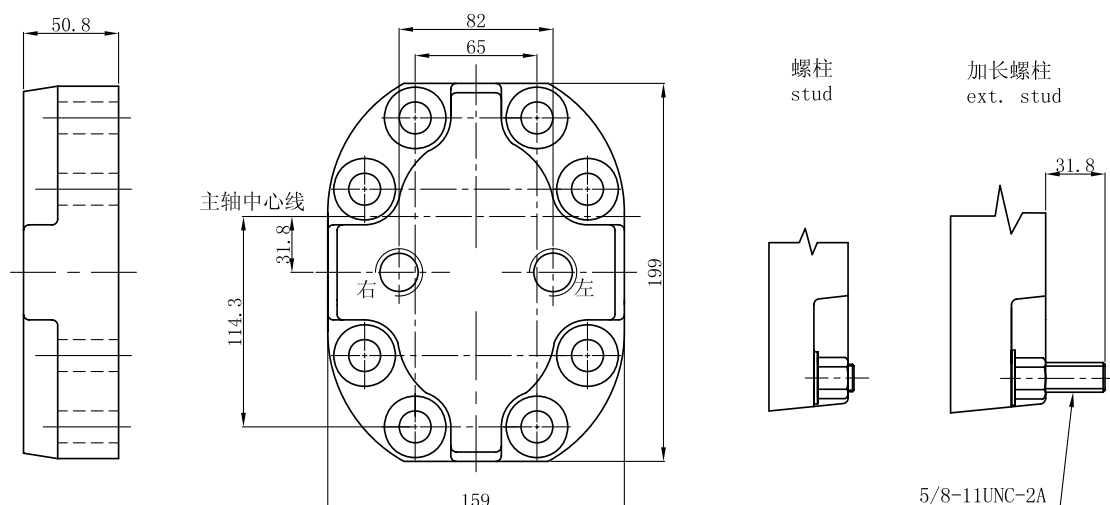
MST PORTING

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
/	/	A
T	/	B
1-T	3/4-B	BY
1-T	/	BK
/	T	C
1-1/4-T	3/4-B	CY
1-1/4-T	1-B	CM
1-1/4-T	/	CK
1-1/2-T	3/4-B	EY
1-1/2-T	1-B	EM
1-1/2-T	/	EK
1-T	3/4-F	FS
1-1/4-T	3/4-F	GS
1-1/4-T	1-F	GU
1-B	3/4-B	JK
/	1-T	KB
/	1-1/4-T	KC
/	1-1/2-T	KE
3/4-B	1-B	KJ
1-B	1-1/4-T	MC
1-B	1-1/2-T	ME
1-F	3/4-F	OU
3/4-F	1-T	SF
3/4-F	1-1/4-T	SG
3/4-F	1-1/2-T	SV
1-F	1-1/4-T	UG
3/4-F	1-F	UO
1-F	1-1/2-T	UV
1-1/2-T	3/4-F	VS
1-1/2-T	1-F	VU
3/4-B	1-T	YB
3/4-B	1-1/4-T	YC
3/4-B	1-1/2-T	YE

NPT PORTING

油口 (Porting)		代码 CODE
左 (L)	右 (R)	
/	/	A
/	1-T	AS
/	1-1/4-T	AU
T	/	B
/	T	C
3/4-F	1-T	IS
3/4-F	1-1/4-T	IU
1-F	1-1/4-T	JU
1-F	1-1/2-T	JV
3/4-F	1-F	RY
1-T	/	SA
1-T	3/4-F	SI
1-T	3/4-B	SW
1-1/4-T	/	UA
1-1/4-T	3/4-F	UI
1-1/4-T	1-F	UJ
1-1/4-T	3/4-B	UW
1-1/4-T	1-B	UY
1-1/2-T	/	VA
1-1/2-T	1-F	VJ
1-1/2-T	3/4-B	VW
1-1/2-T	1-B	VY
3/4-B	1-T	WS
3/4-B	1-1/4-T	WU
3/4-B	1-1/2-T	WV
3/4-B	1-B	WY
1-F	3/4-F	YR
1-B	1-1/4-T	YU
1-B	1-1/2-T	YV
1-B	3/4-B	YW

7600后盖油口代码 7600 PORT END COVER PORTING CODE



BSPP PORTING

油口 (Porting)		代码 CODE	备注 REMARK
左 (L)	右 (R)		
/	/	AD	SINGLE
/	/	AH	MULT
/	/	AX	MULT XSD
3/4	/	VD	SINGLE
3/4	/	VE	MULT
3/4	/	VX	MULT XSD
/	3/4	WD	SINGLE
/	3/4	WE	MULT
/	3/4	WX	MULT XSD
3/4	3/4	JD	SINGLE
3/4	3/4	JH	MULT
3/4	3/4	JX	MULT XSD

MST PORTING

油口 (Porting)		代码 CODE	备注 REMARK
左 (L)	右 (R)		
/	/	AD	SINGLE
/	/	AH	MULT
/	/	AX	MULT XSD
3/4	/	MA	SINGLE
3/4	/	MB	MULT
3/4	/	MC	MULT XSD
/	3/4	OD	SINGLE
/	3/4	OE	MULT
/	3/4	OX	MULT XSD
3/4	3/4	PD	SINGLE
3/4	3/4	PH	MULT
3/4	3/4	PX	MULT XSD
1	3/4	QD	SINGLE
1	3/4	QH	MULT
1	3/4	QX	MULT XSD
3/4	1	RD	SINGLE
3/4	1	RH	MULT
3/4	1	RX	MULT XSD
1	1	SD	SINGLE
1	1	SH	MULT
1	1	SX	MULT XSD

NPT PORTING

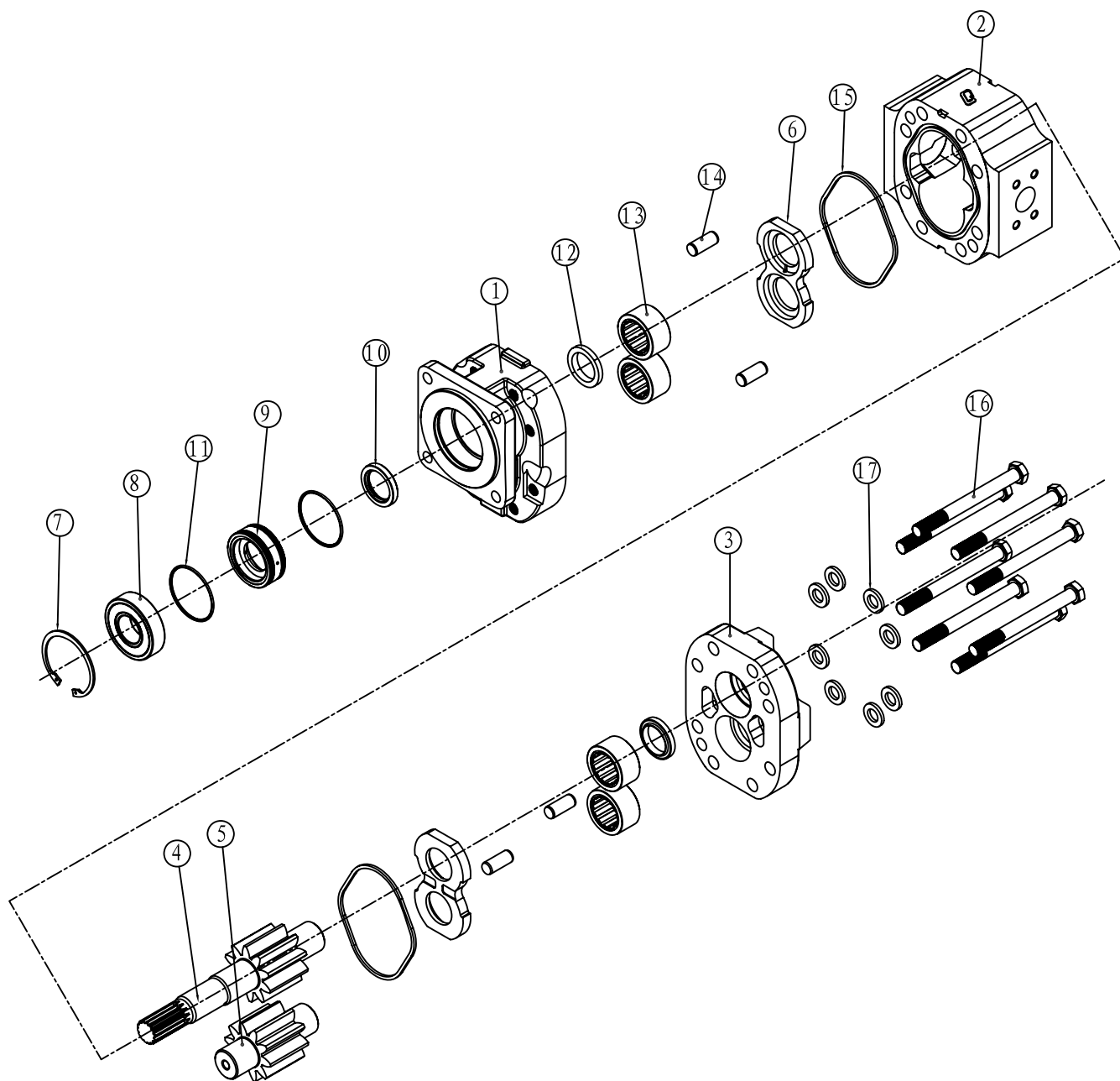
油口 (Porting)		代码 CODE	备注 REMARK
左 (L)	右 (R)		
/	/	AD	SINGLE
/	/	AH	MULT
/	/	AX	MULT XSD
3/4	/	JD	SINGLE
3/4	/	JH	MULT
3/4	/	JX	MULT XSD
/	3/4	KD	SINGLE
/	3/4	KH	MULT
/	3/4	KX	MULT XSD
3/4	3/4	LD	SINGLE
3/4	3/4	LH	MULT
3/4	3/4	LX	MULT XSD
1	3/4	IF	REAR SINGLE
1	3/4	IG	REAR MULT
1	3/4	II	REAR XSD
3/4	1	FF	REAR SINGLE
3/4	1	FG	REAR MULT
3/4	1	FI	REAR XSD
1	1	MD	REAR SINGLE
1	1	MH	REAR MULT
1	1	MX	REAR XSD

JIC PORTING

油口 (Porting)		代码 CODE	备注 REMARK
左 (L)	右 (R)		
/	/	AD	SINGLE
/	/	AH	MULT
/	/	AX	MULT XSD
3/4	/	BD	SINGLE
3/4	/	BH	MULT
3/4	/	BX	MULT XSD
/	3/4	CD	SINGLE
/	3/4	CH	MULT
/	3/4	CX	MULT XSD
1	1	ID	SINGLE
1	1	IH	MULT
1	1	IX	MULT XSD

7600单泵分解图

EXPLODED VIEW OF 7600 SINGLE PUMP



1. 前盖 2. 泵体 3. 后盖 4. 主齿 5. 从齿 6. 侧板 7. 孔用弹性挡圈 8. 外置滚珠轴承
9. 密封骨架 10. 骨架油封 11. O形密封圈 12. 二次密封环 13. 滚针轴承 14. 圆柱销
15. 方形密封圈 16. 六角头螺栓 17. 垫圈