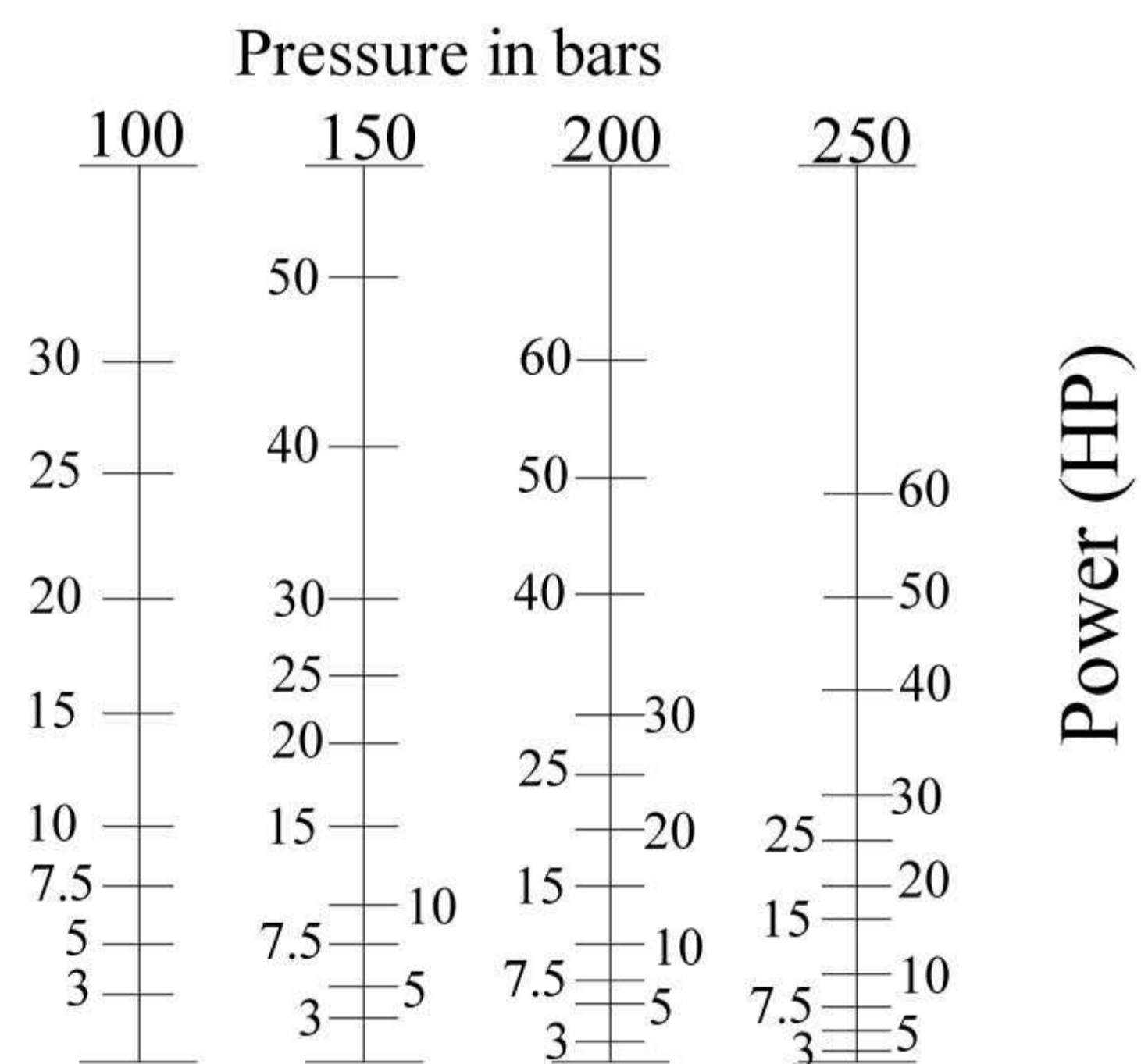
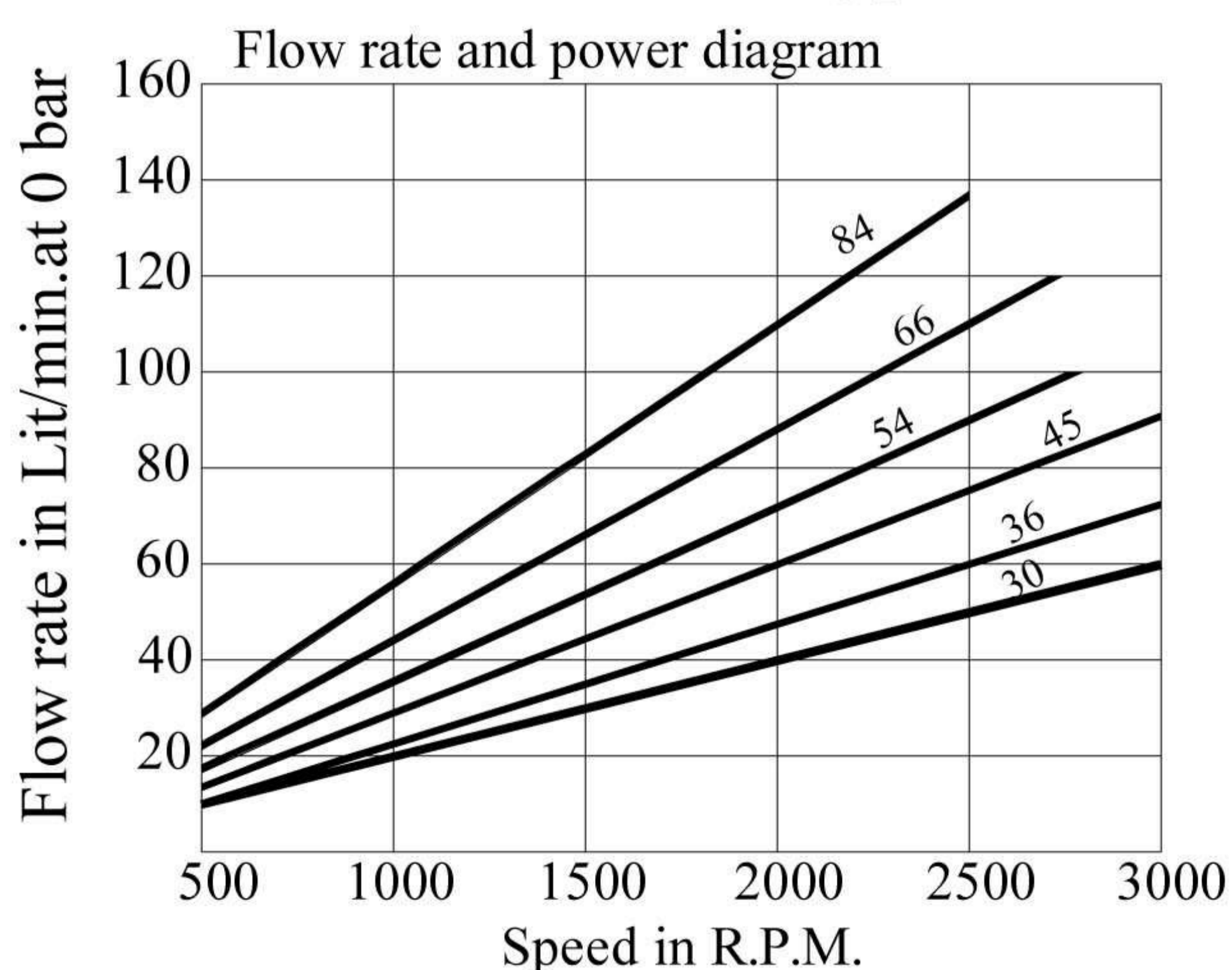
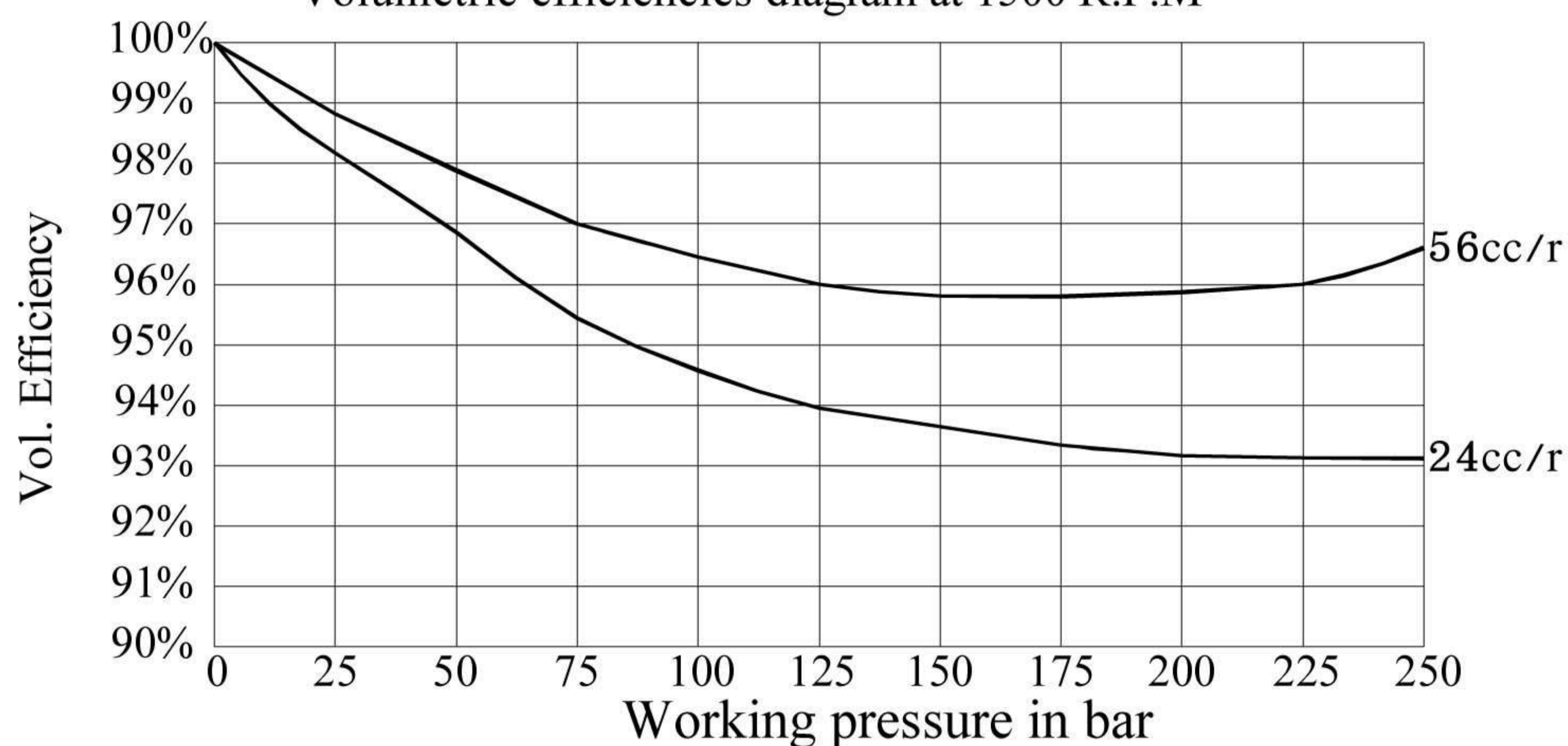


Hydraulic technical data

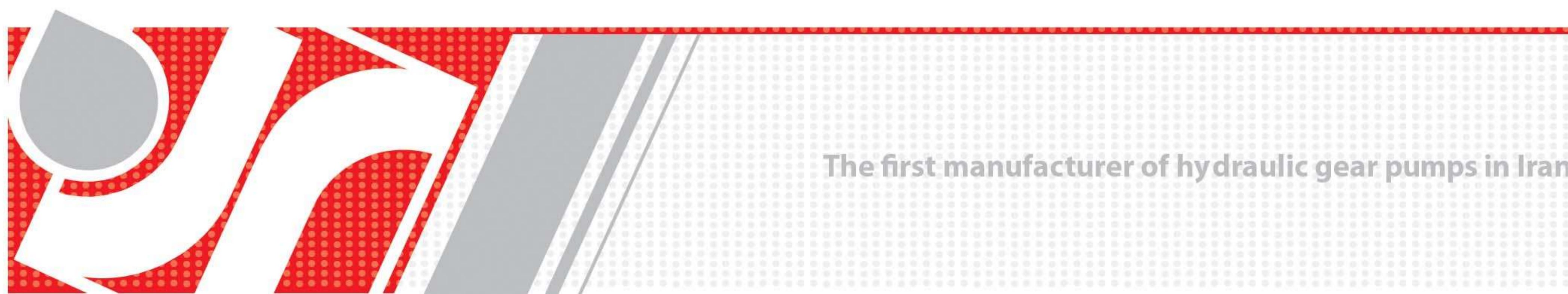
Gear Pump Type-LA

Pump Flow RATE (L/Min) at 1500 R.P.M	30	36	40	45	54	66	75	84	95	100	115
DISPLACEMENT (CC/rev)	20	24	26.6	30	36	44	50	56	63.3	66.6	76.6
Cont. MAX. PRESSURE (bar)	250			225			200	185	175	170	150
INTERMITENT MAX. PRESSURE (bar)	275			250			225	220	200	180	170
R.P.M AT CONT.PRESSURE	2500			2300			2200			2000	
MAX. R.P.M	3000			2800			2600			2200	
MIN. R.P.M AT GIVEN PRESSURES	100bar	500									
	175bar	800		700		600					
	250bar	1500	900	×	×	×	×	×	×	×	×

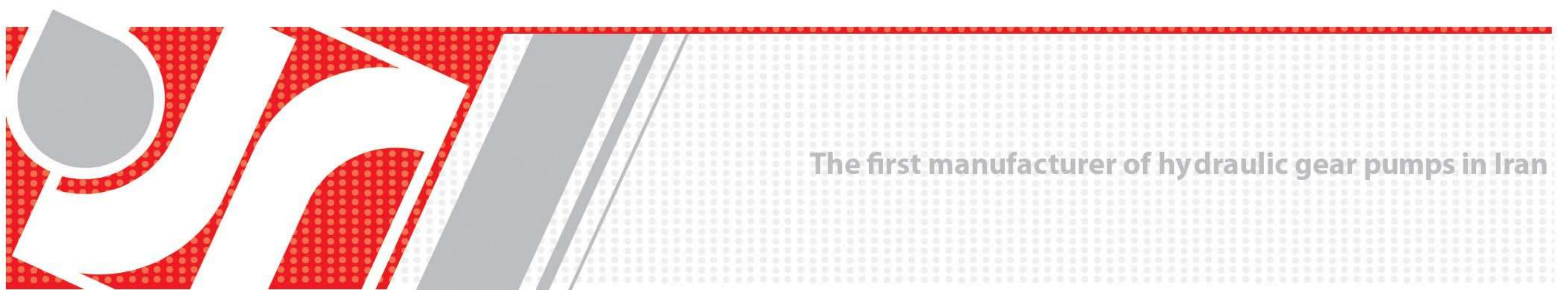
Volumetric efficiencies diagram at 1500 R.P.M



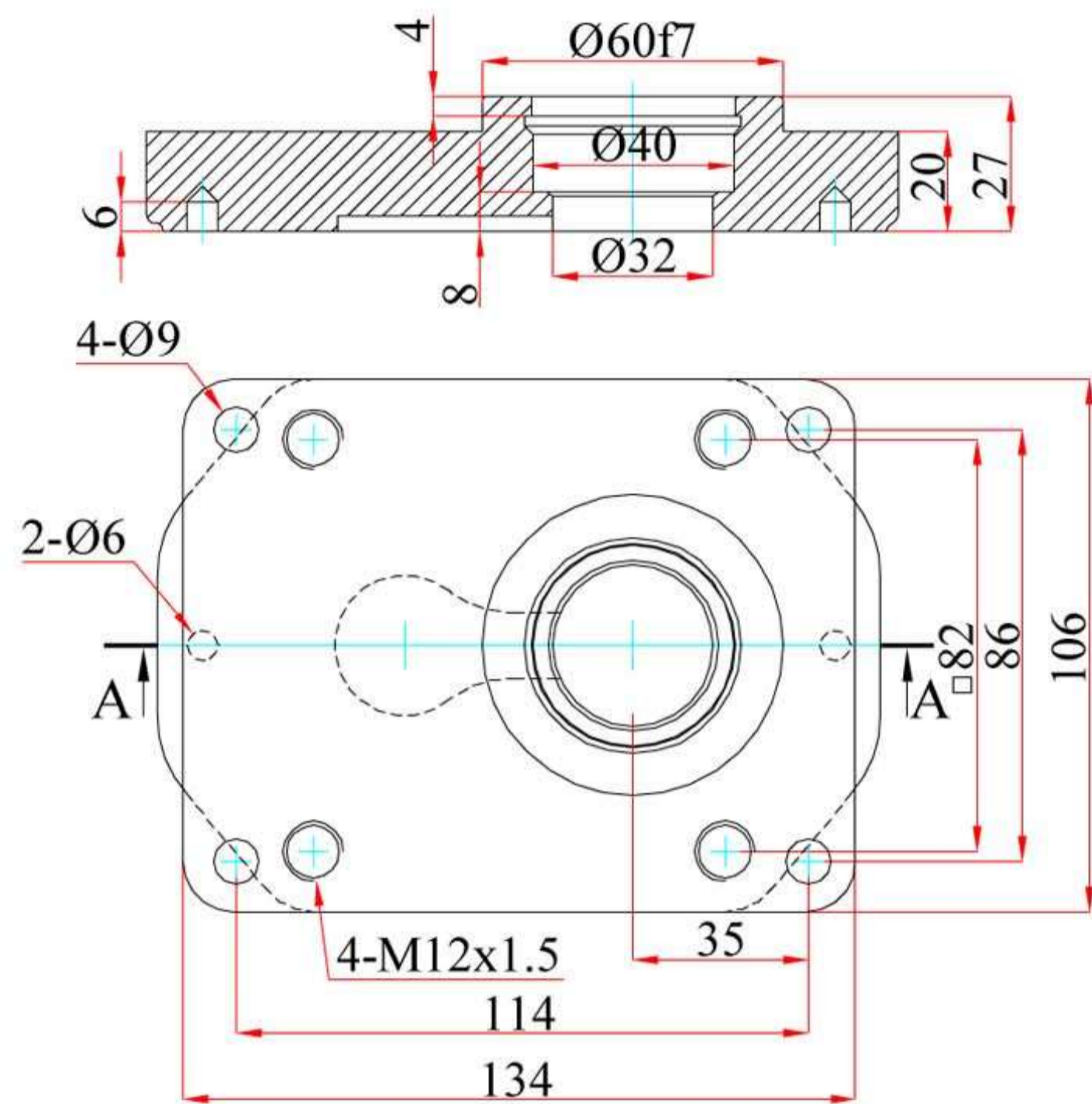
NOTE : The results have been obtained using ISO VG 46 oil at 50°



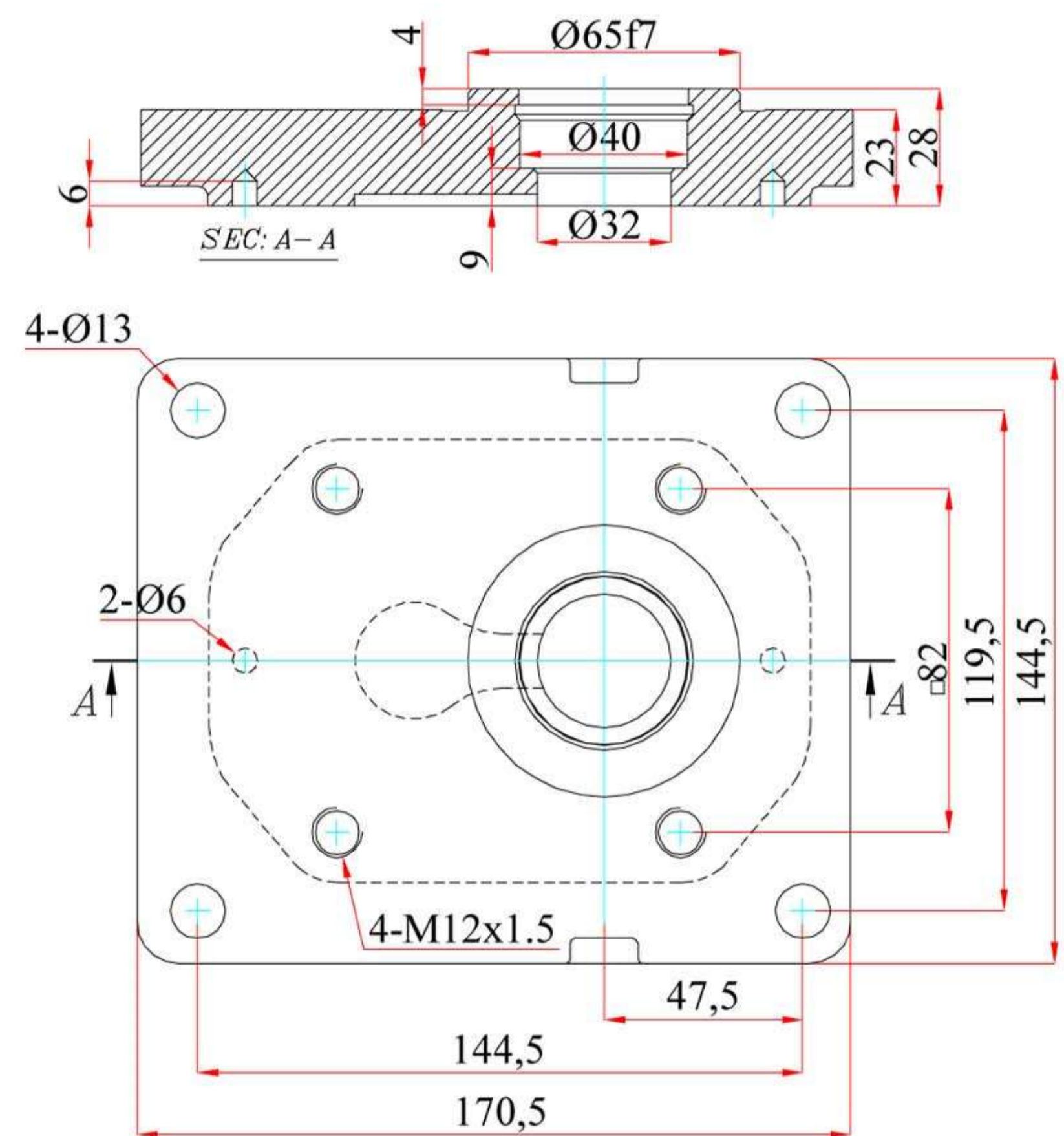
Pump flow rate at 1500 RPM at 0 bar	Max . Pressure (bar)	Max . Speed (RPM)	Min . Speed (RPM)
1LA36	275	3000	500
1LA45	275	3000	500
1LA54	250	2800	500
1LA66	225	2800	500
1LA84	200	2600	500



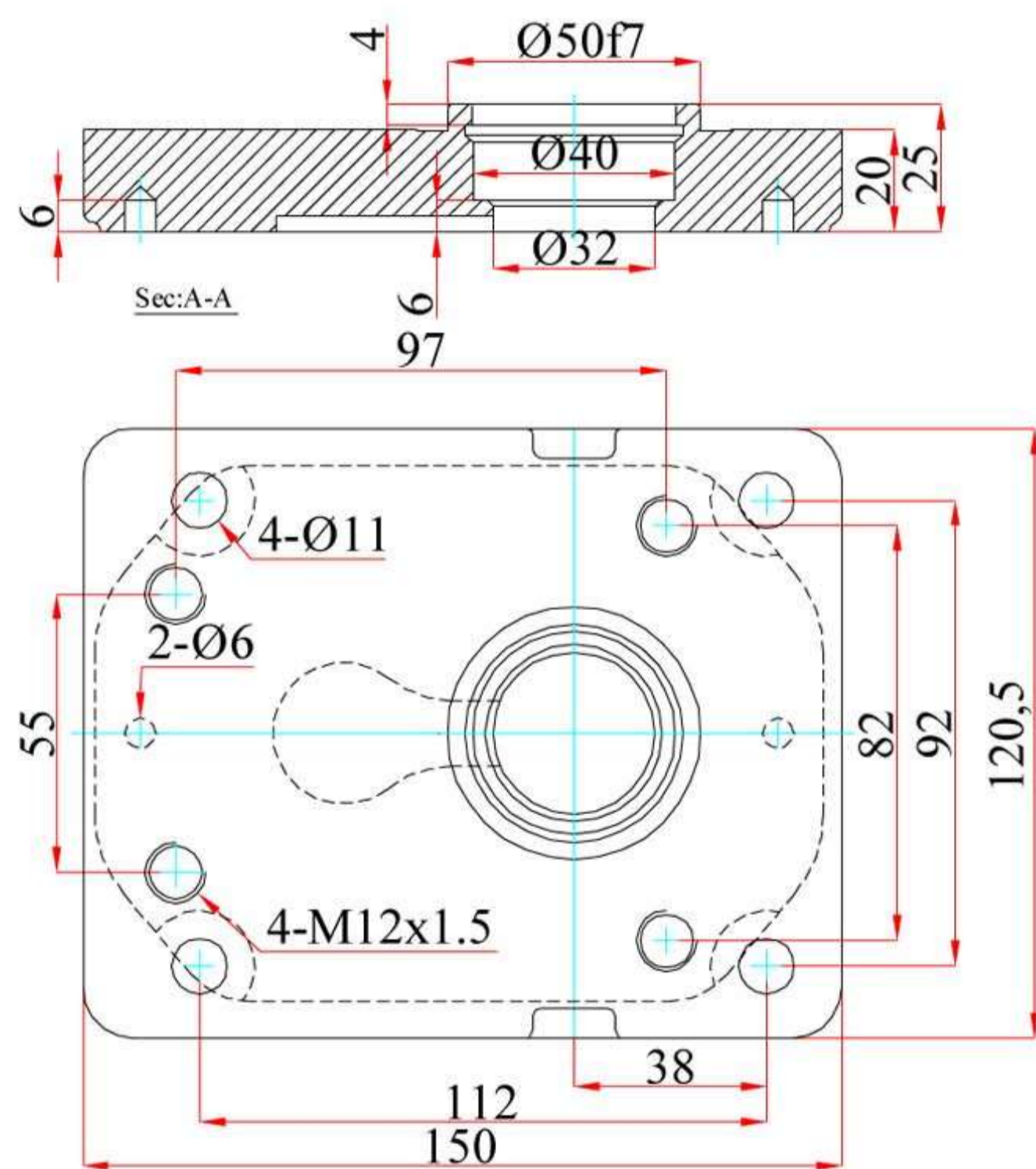
FLANGE TYPE. 01



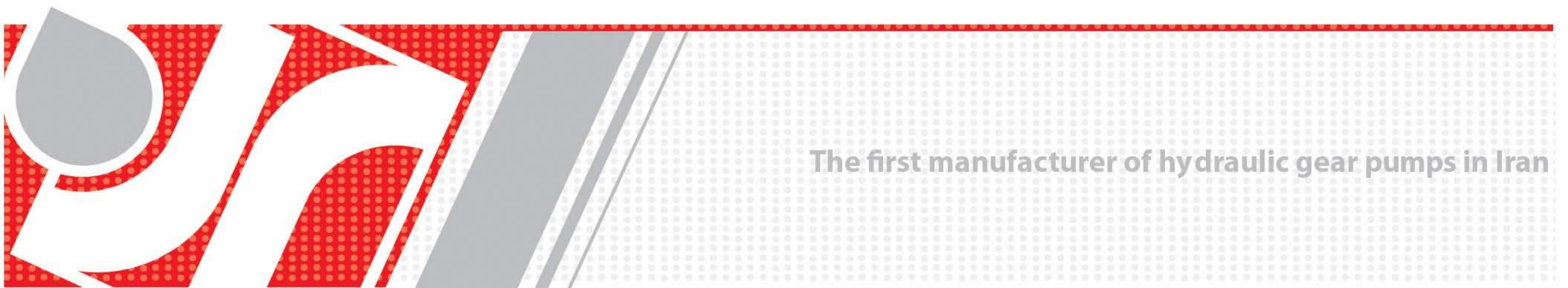
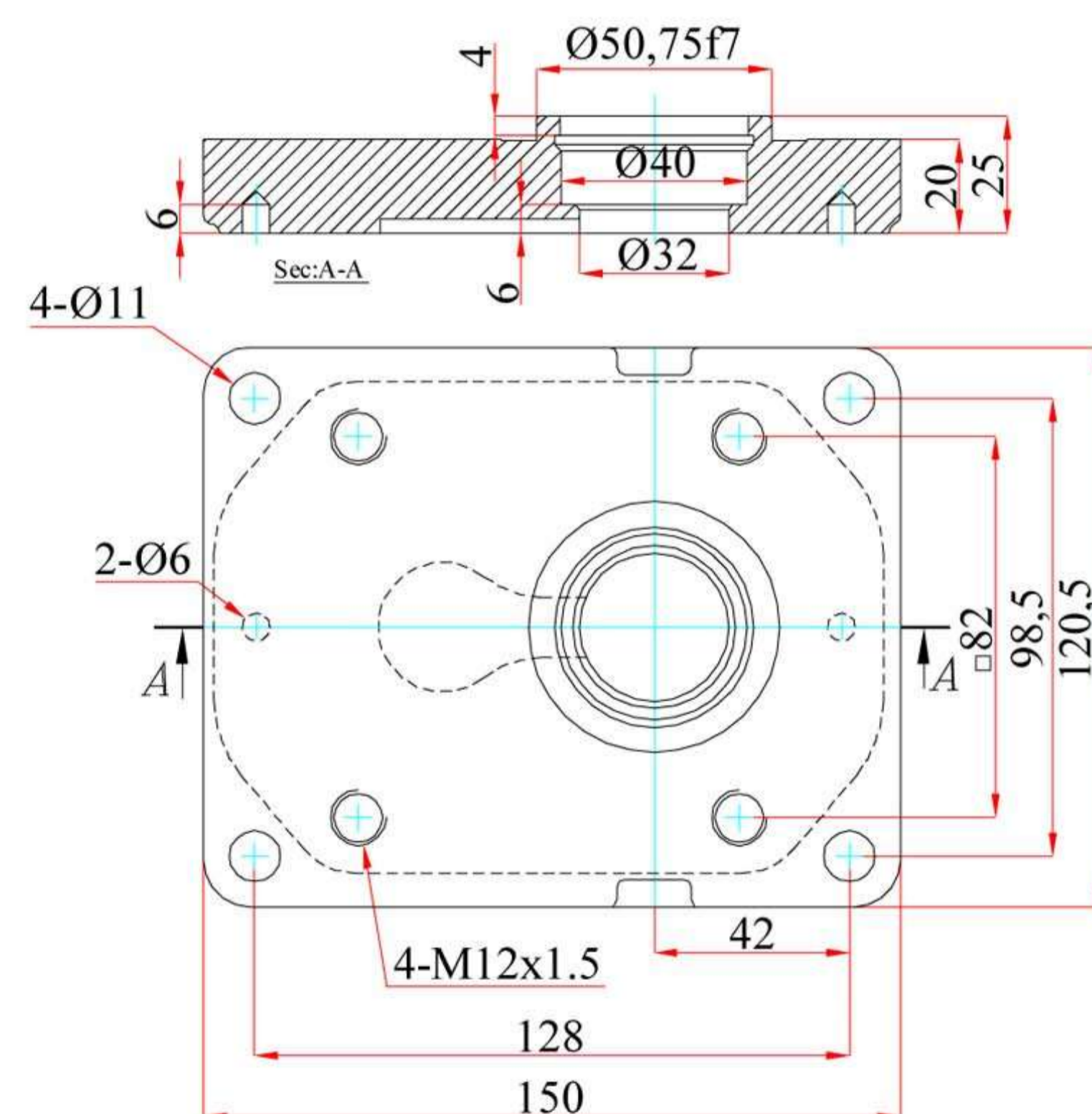
FLANGE TYPE. 06



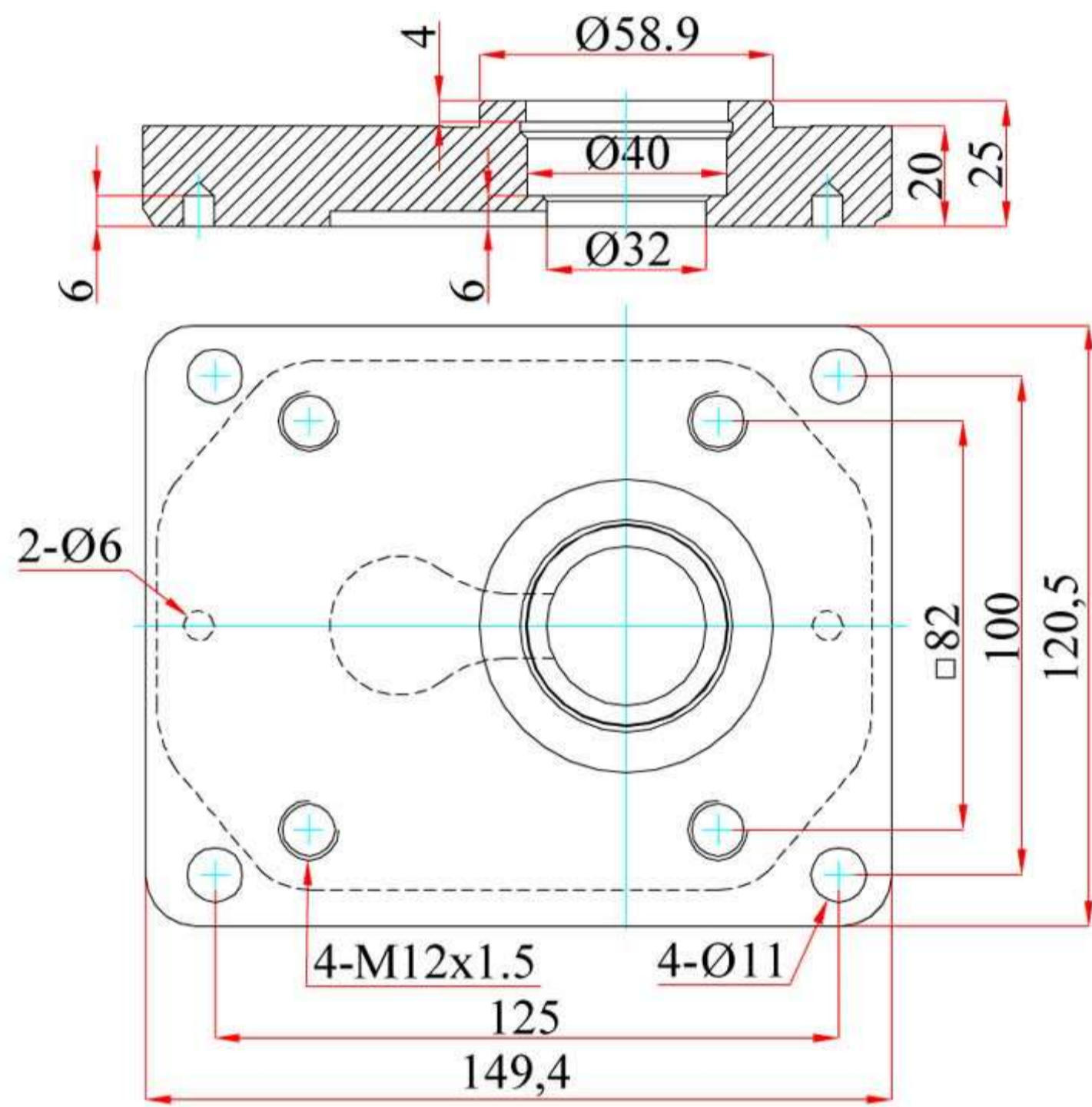
FLANGE TYPE. 05



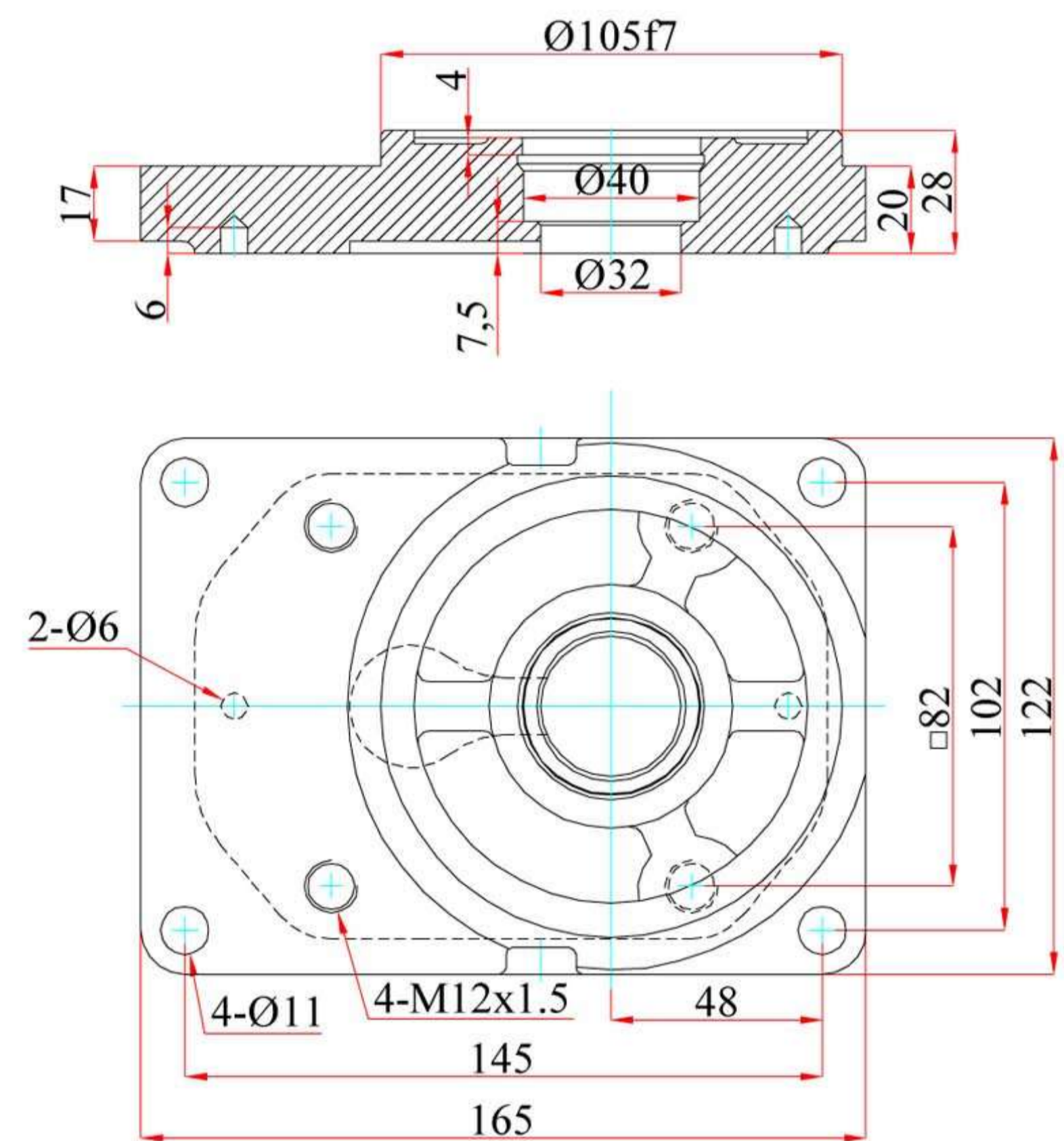
FLANGE TYPE. 10



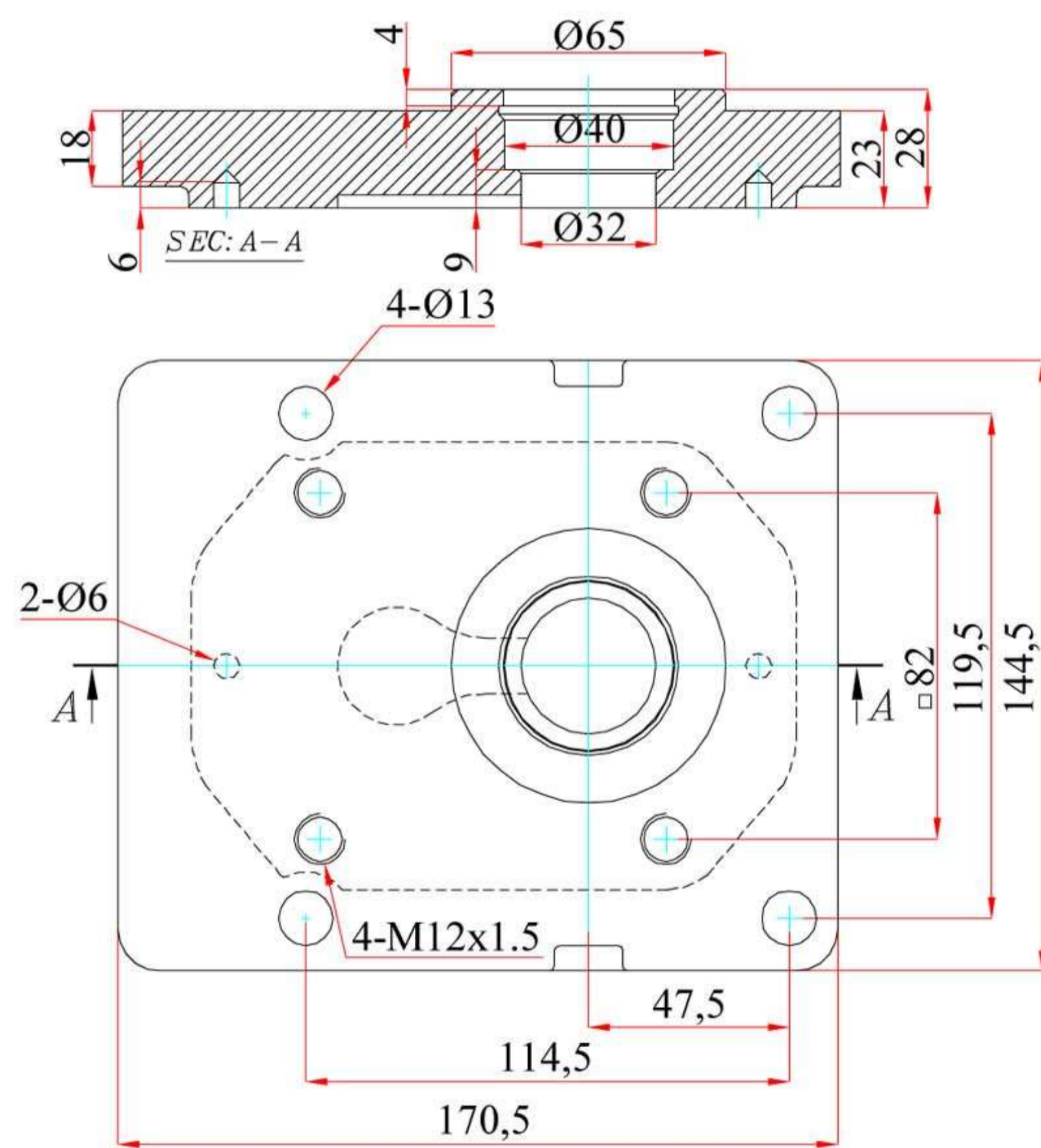
FLANGE TYPE. 11



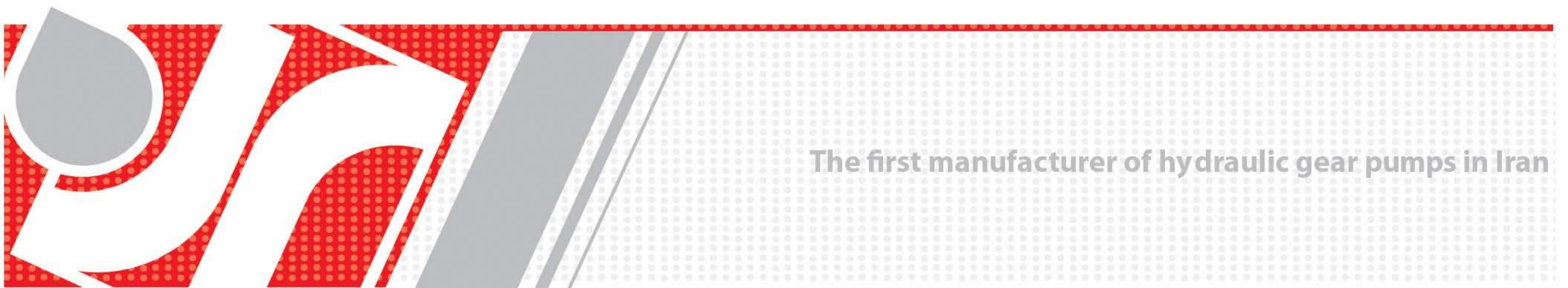
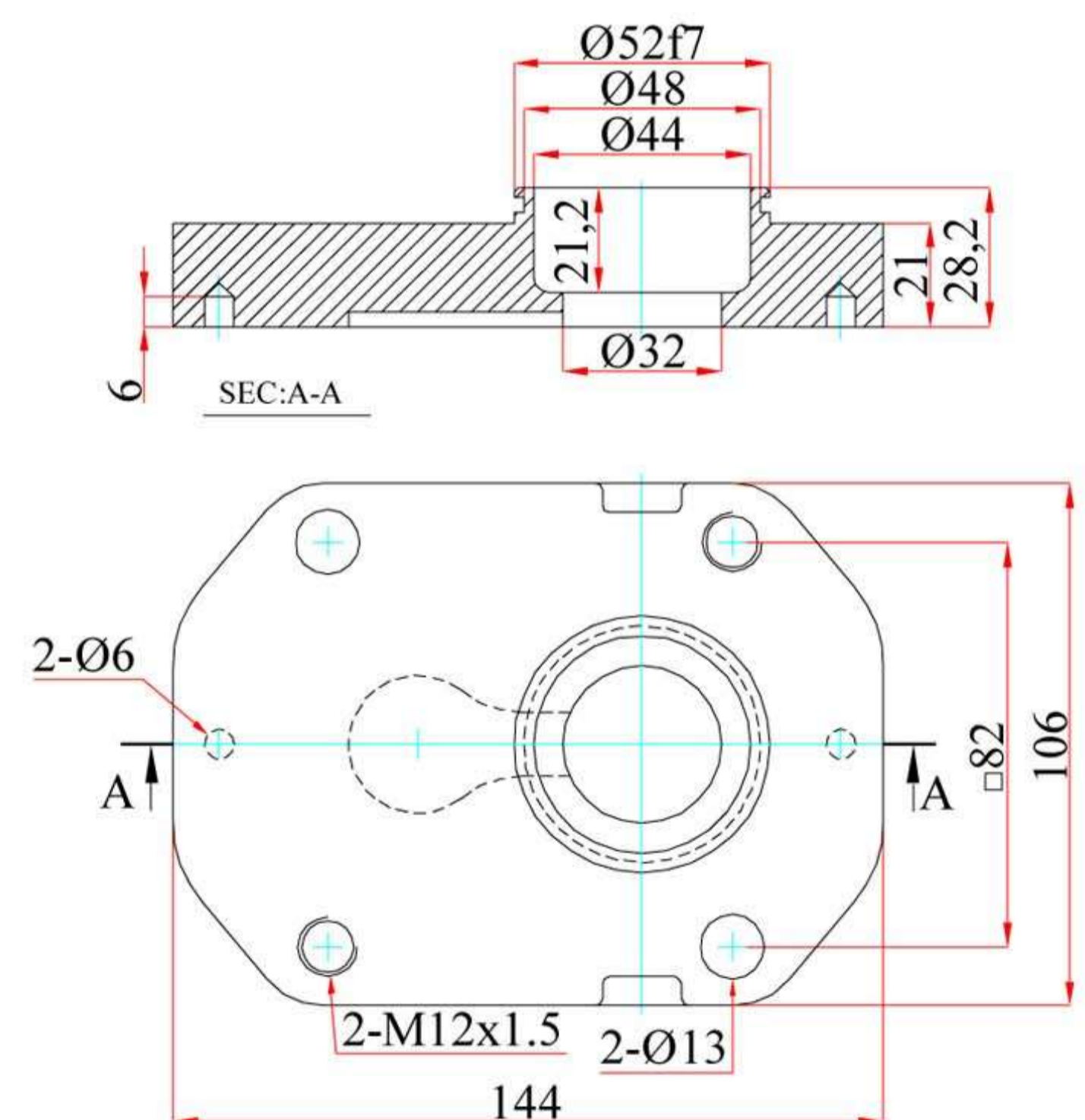
FLANGE TYPE. 23



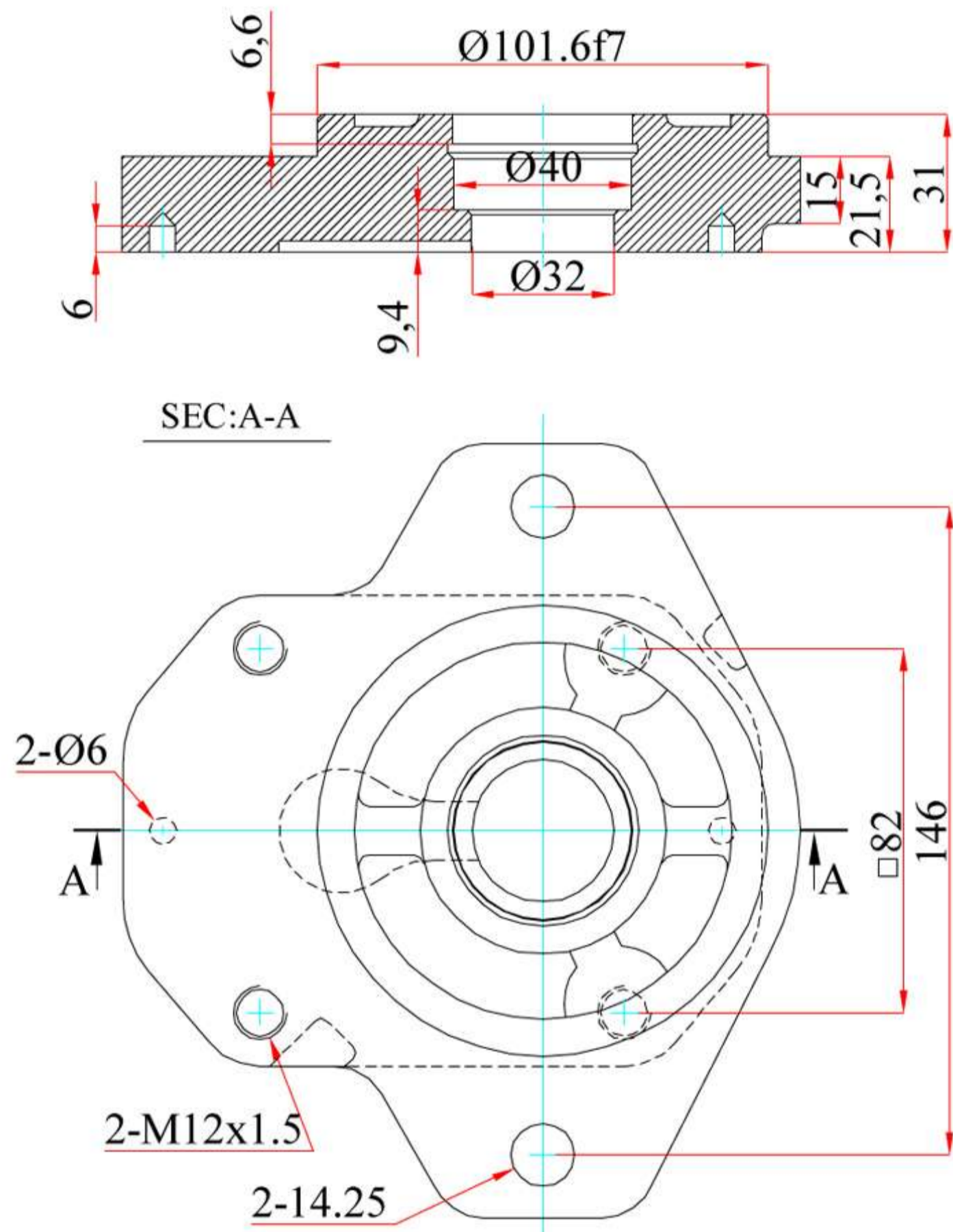
FLANGE TYPE. 12



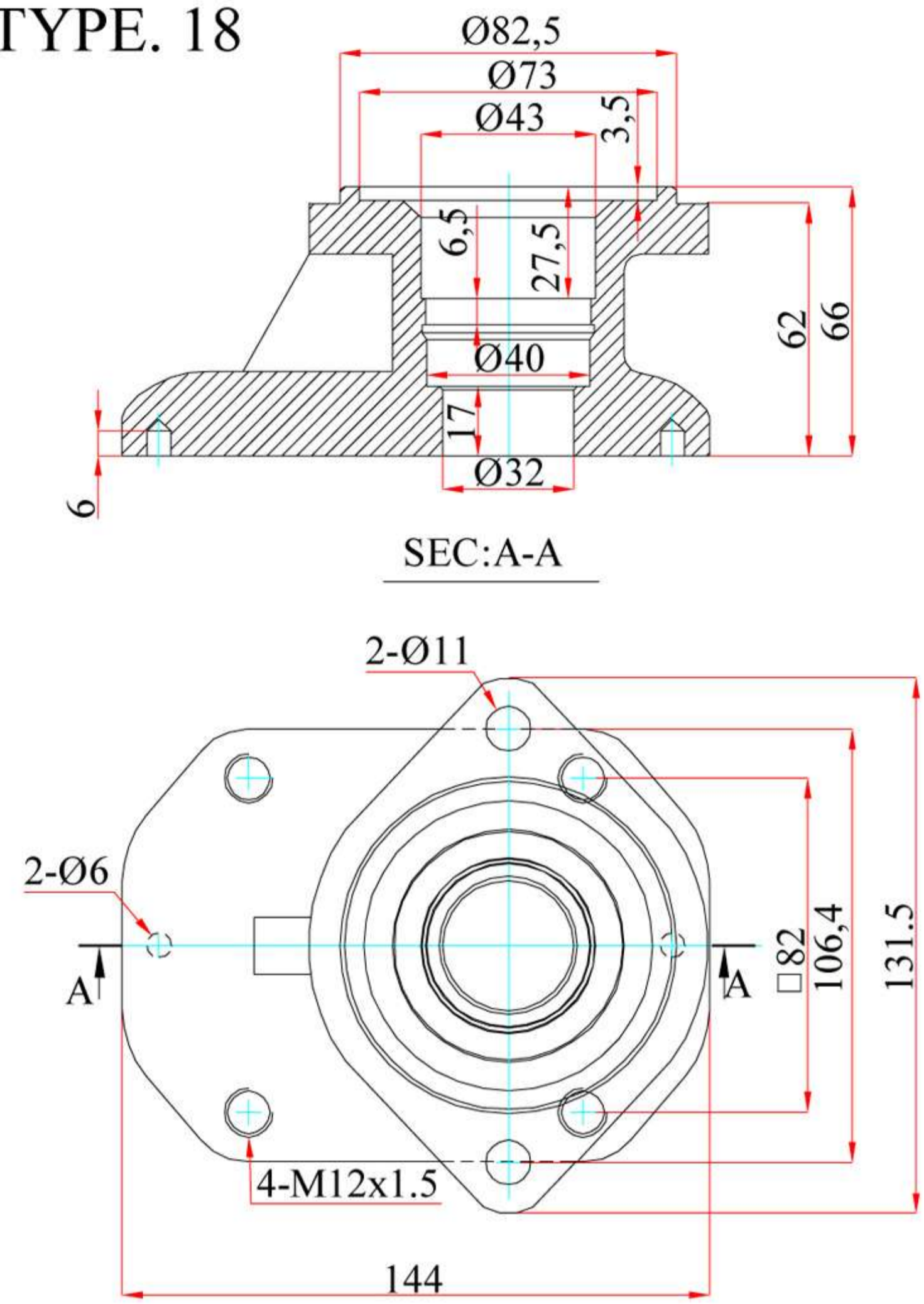
FLANGE TYPE. 19



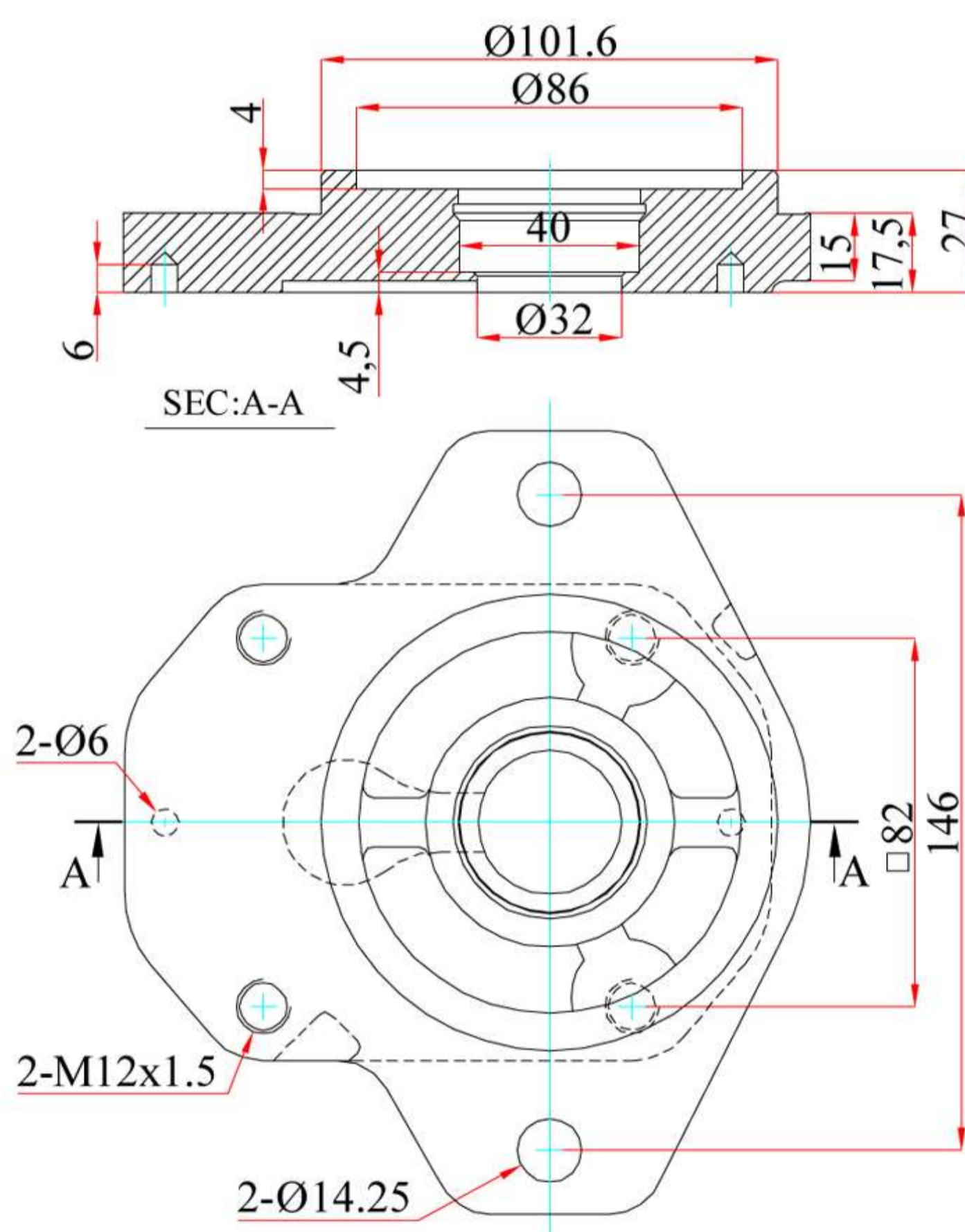
FLANGE TYPE. 09



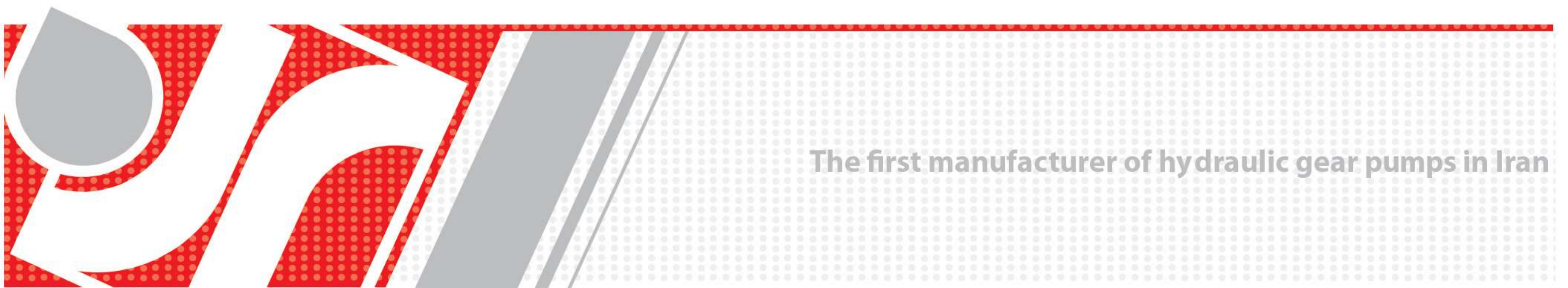
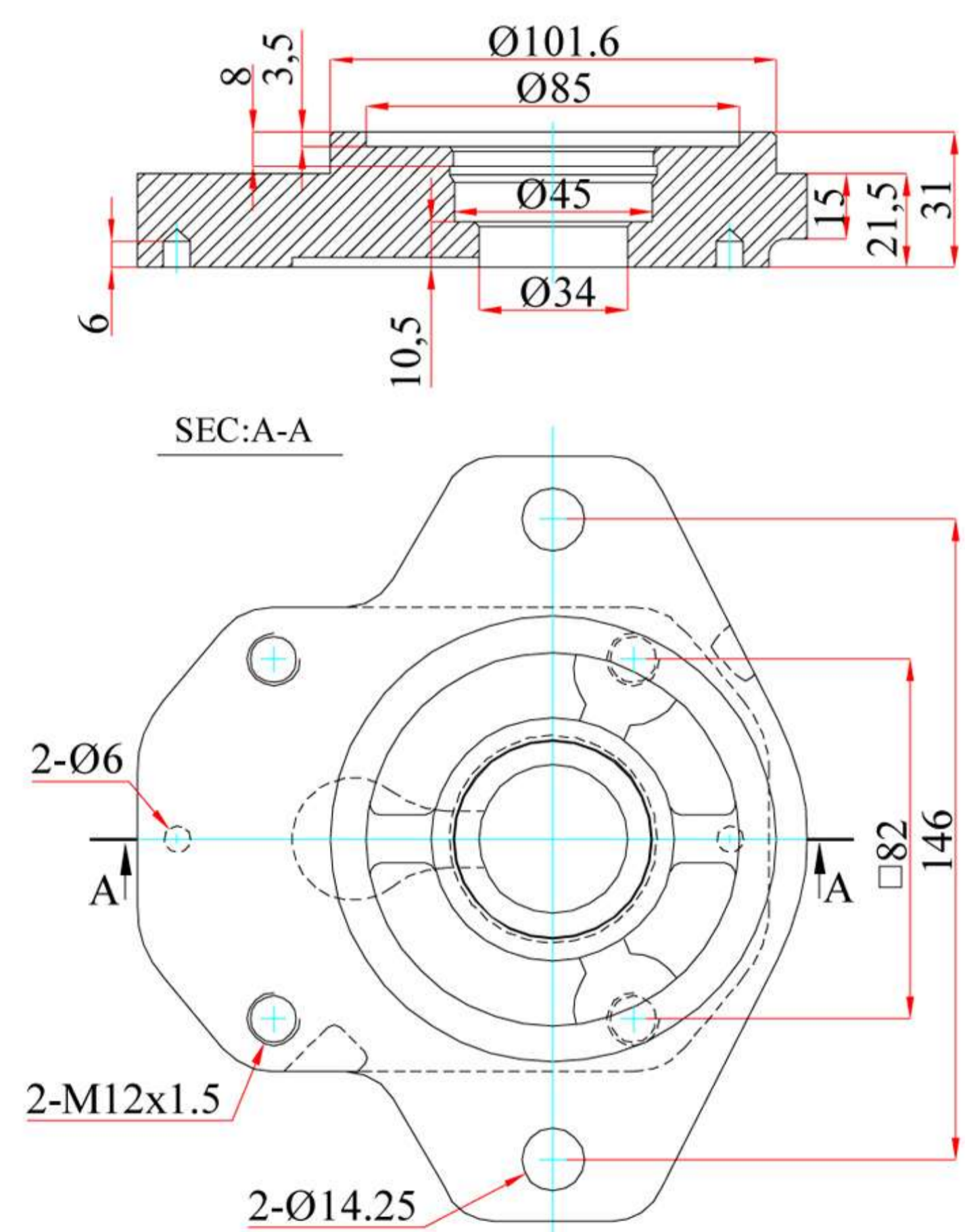
FLANGE TYPE. 18

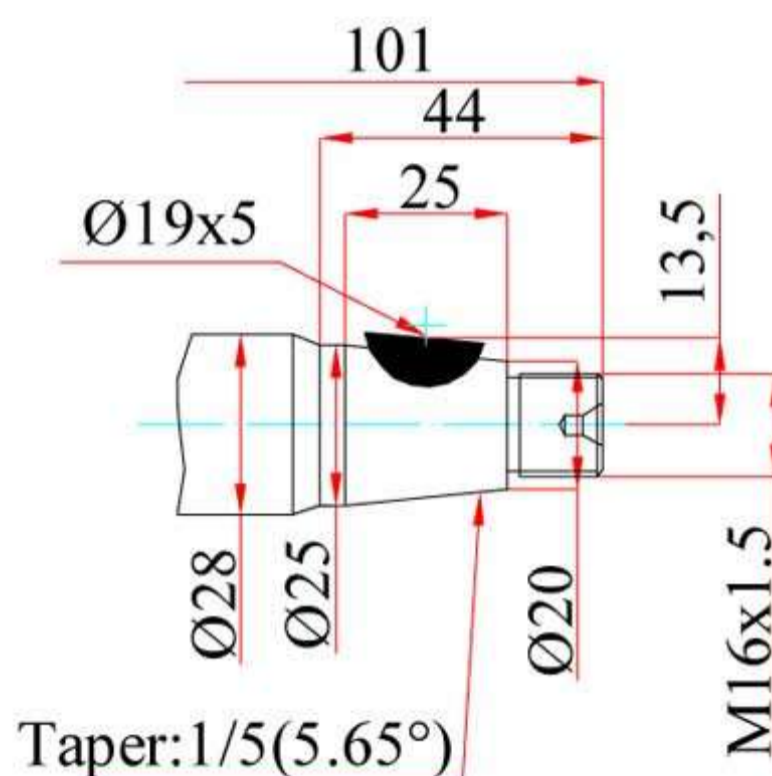
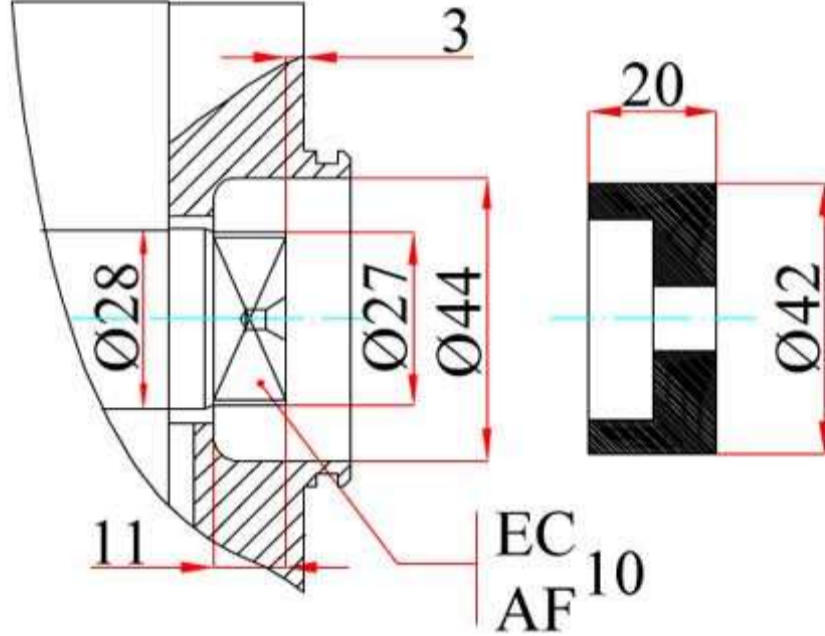
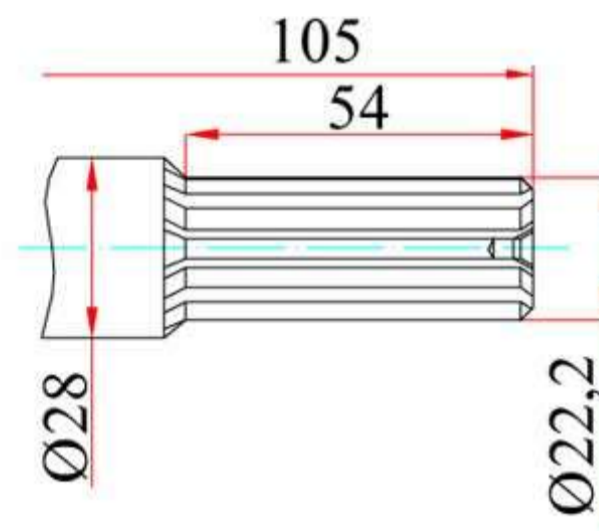
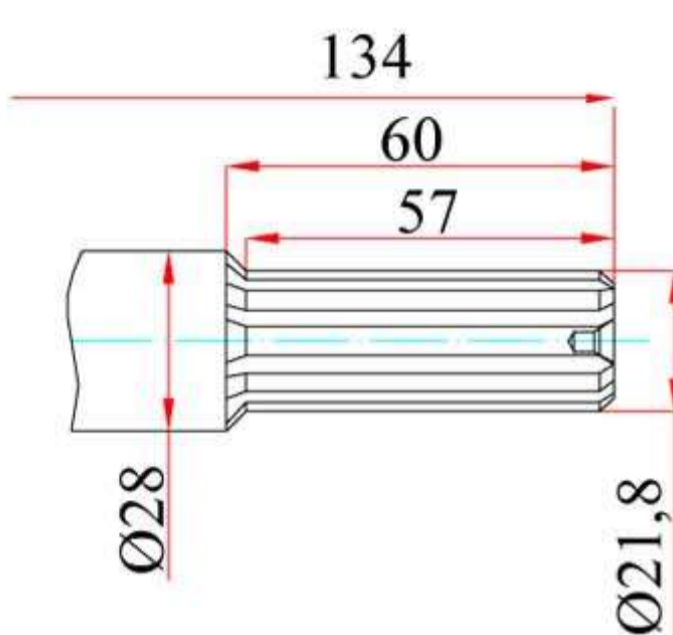
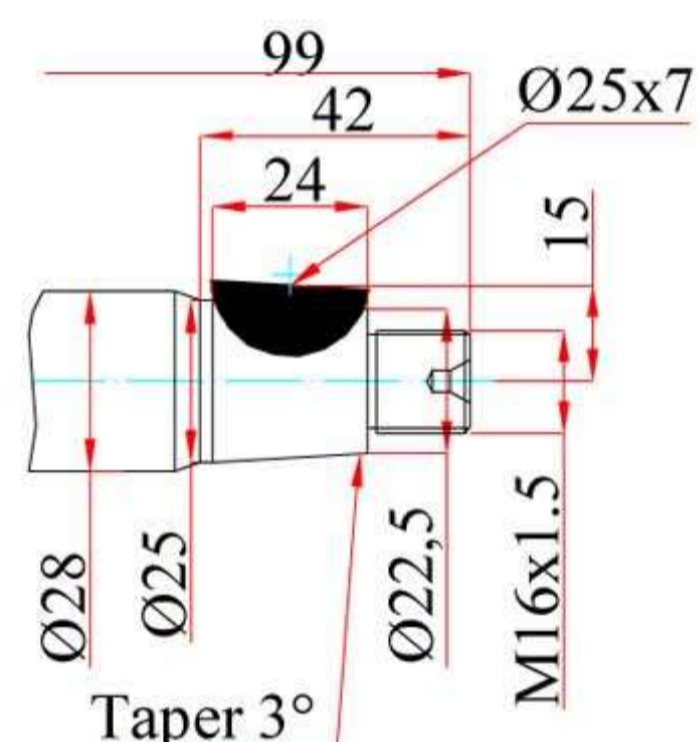
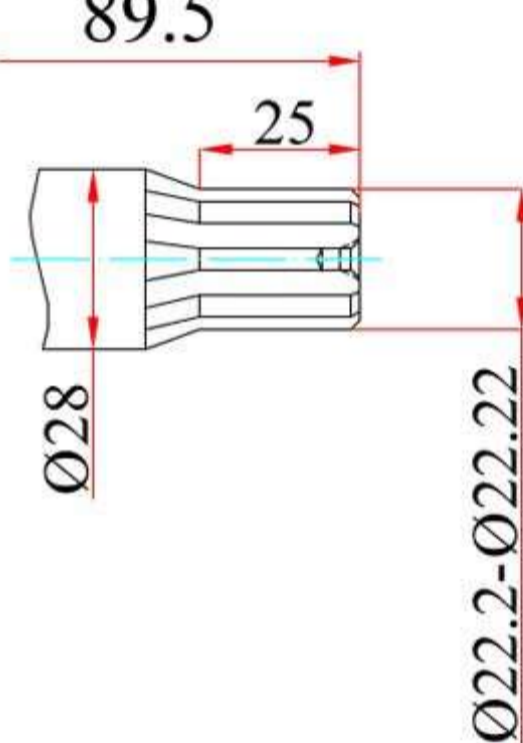
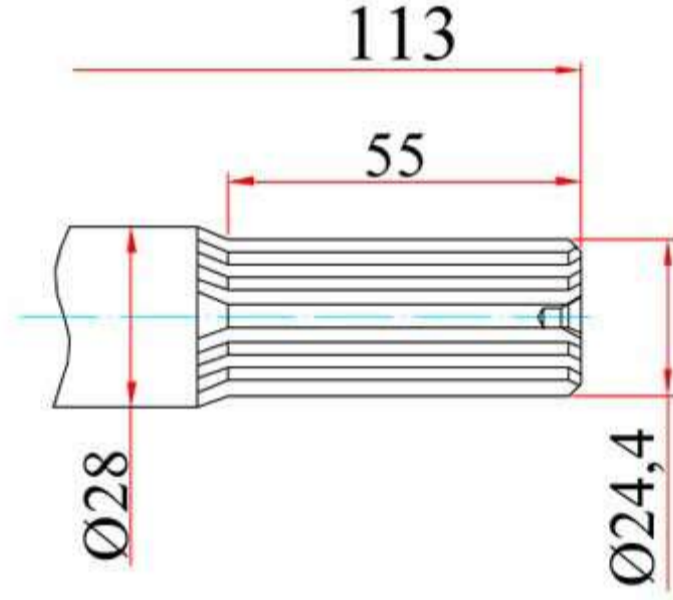
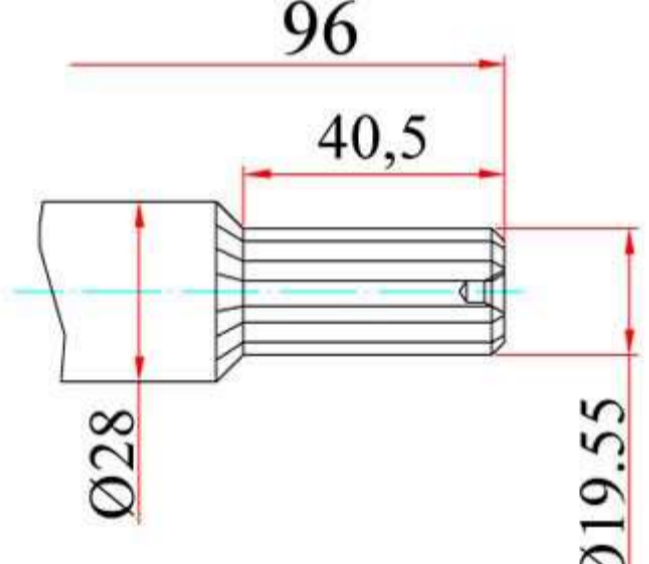
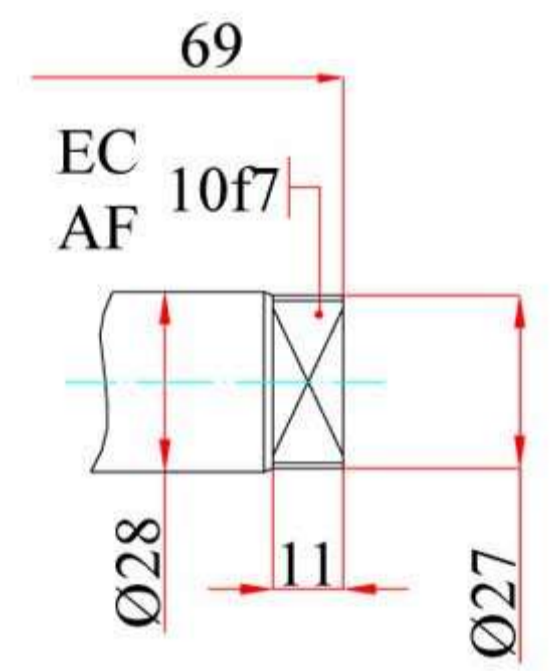
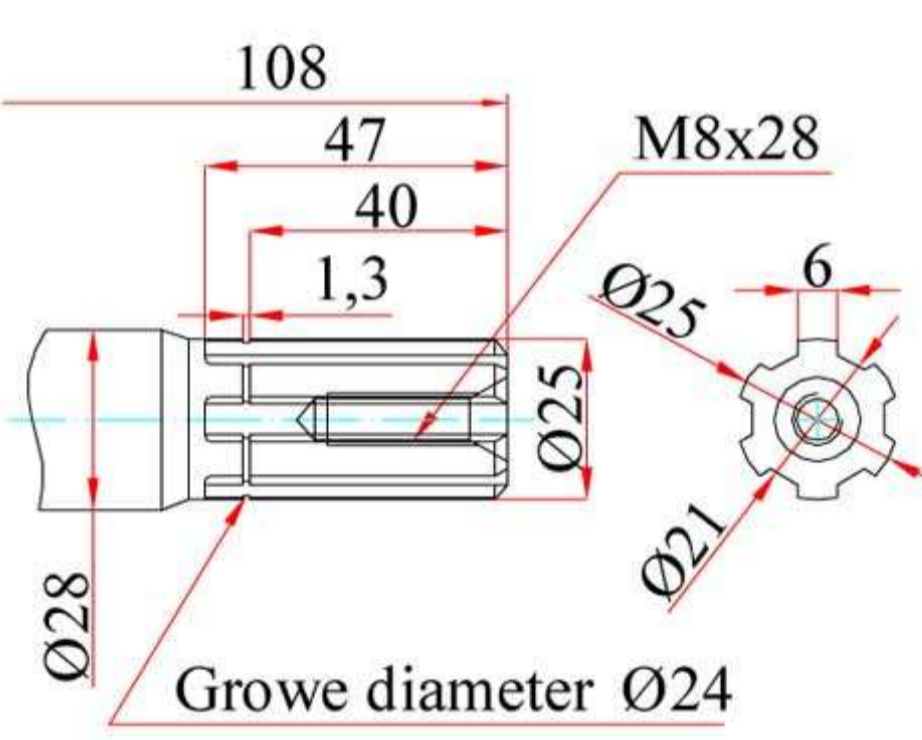
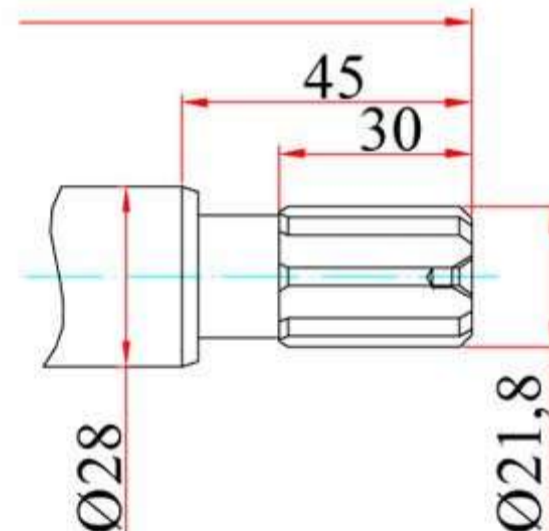
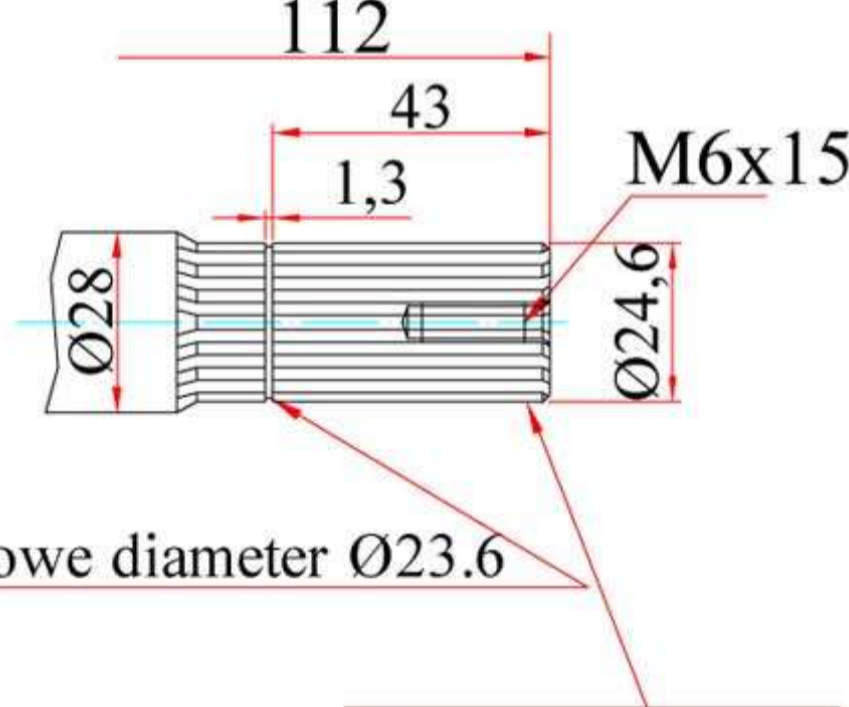


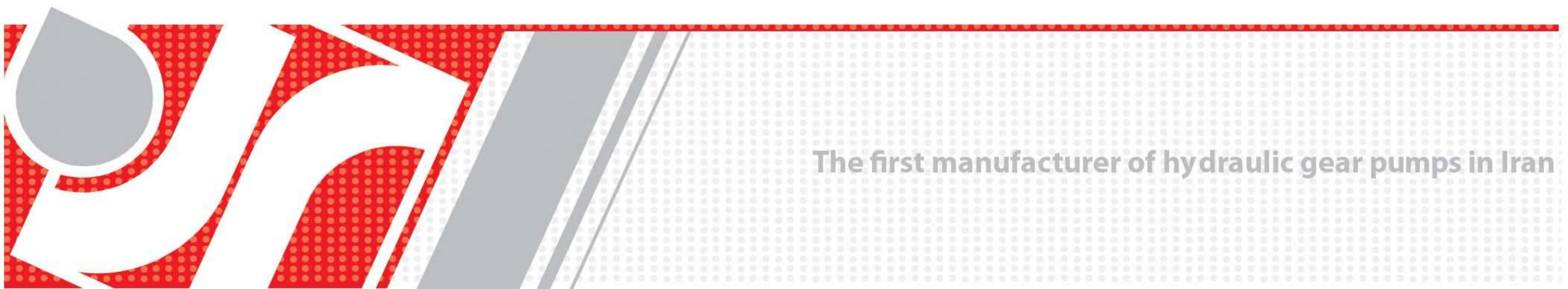
FLANGE TYPE. 27

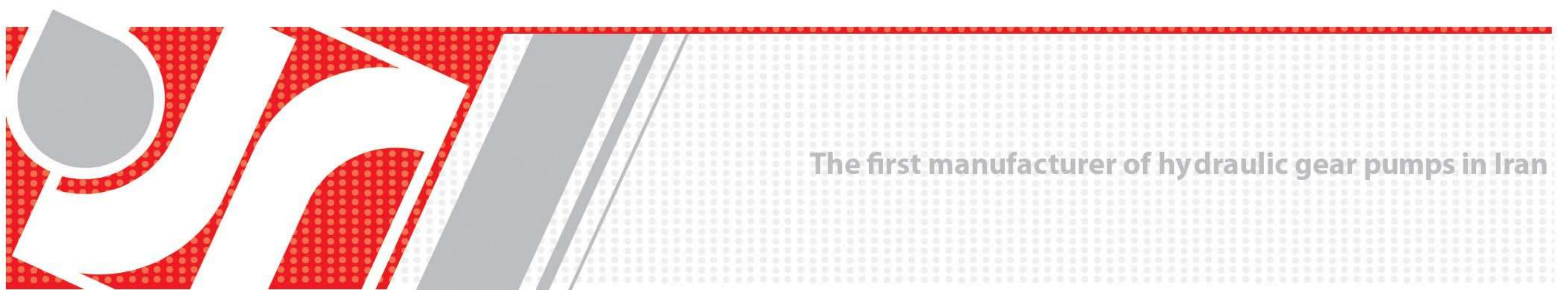
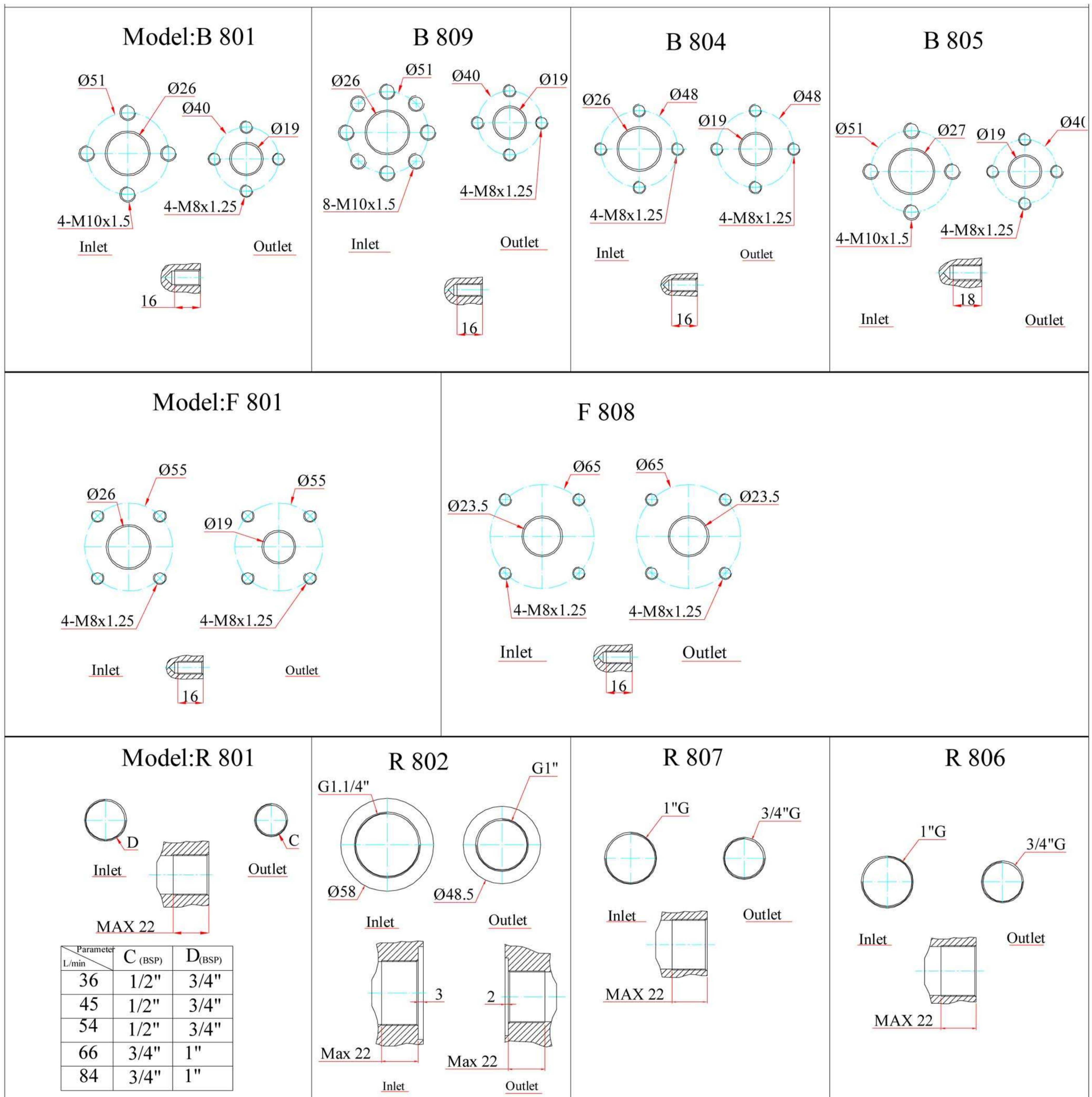


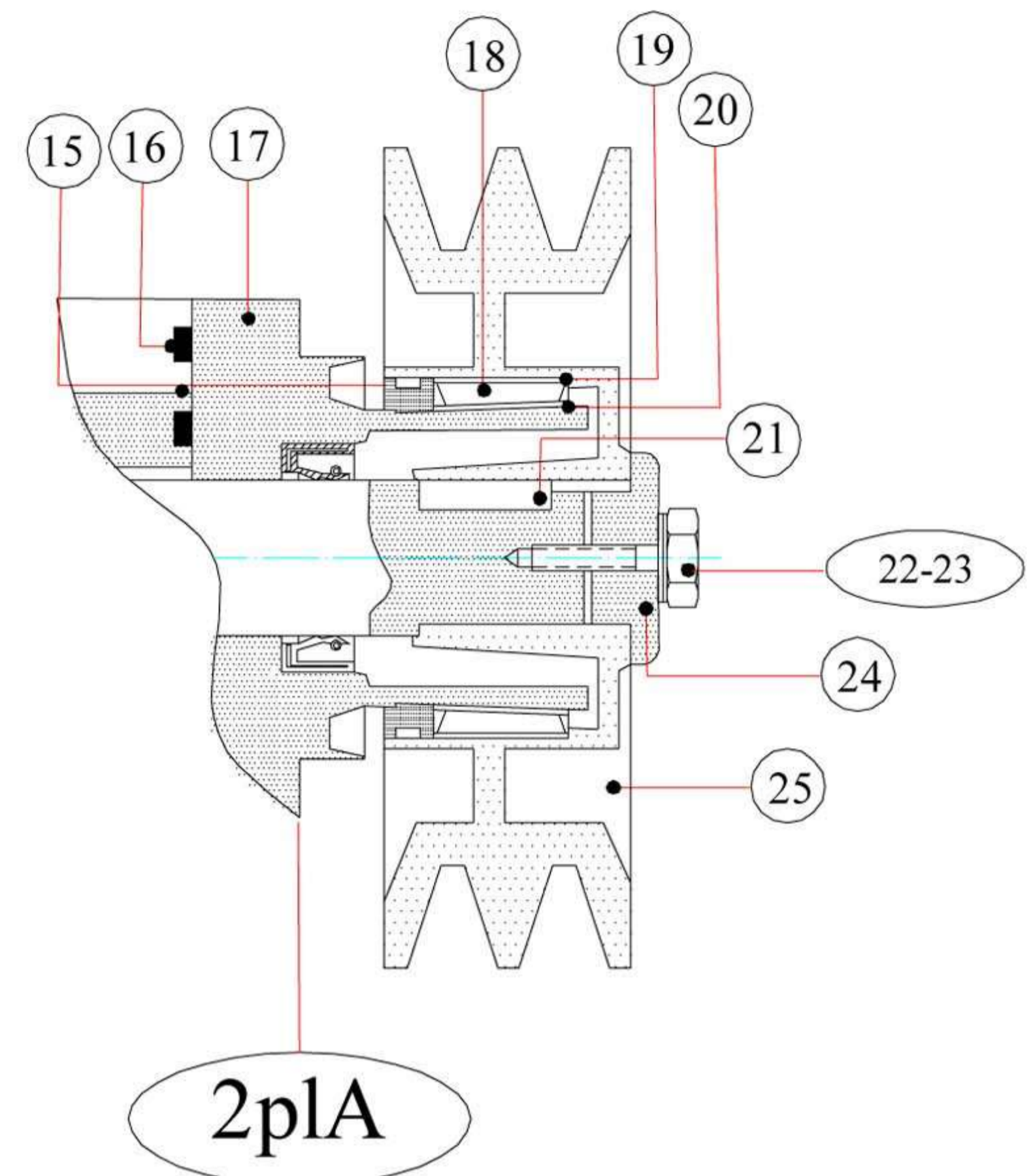
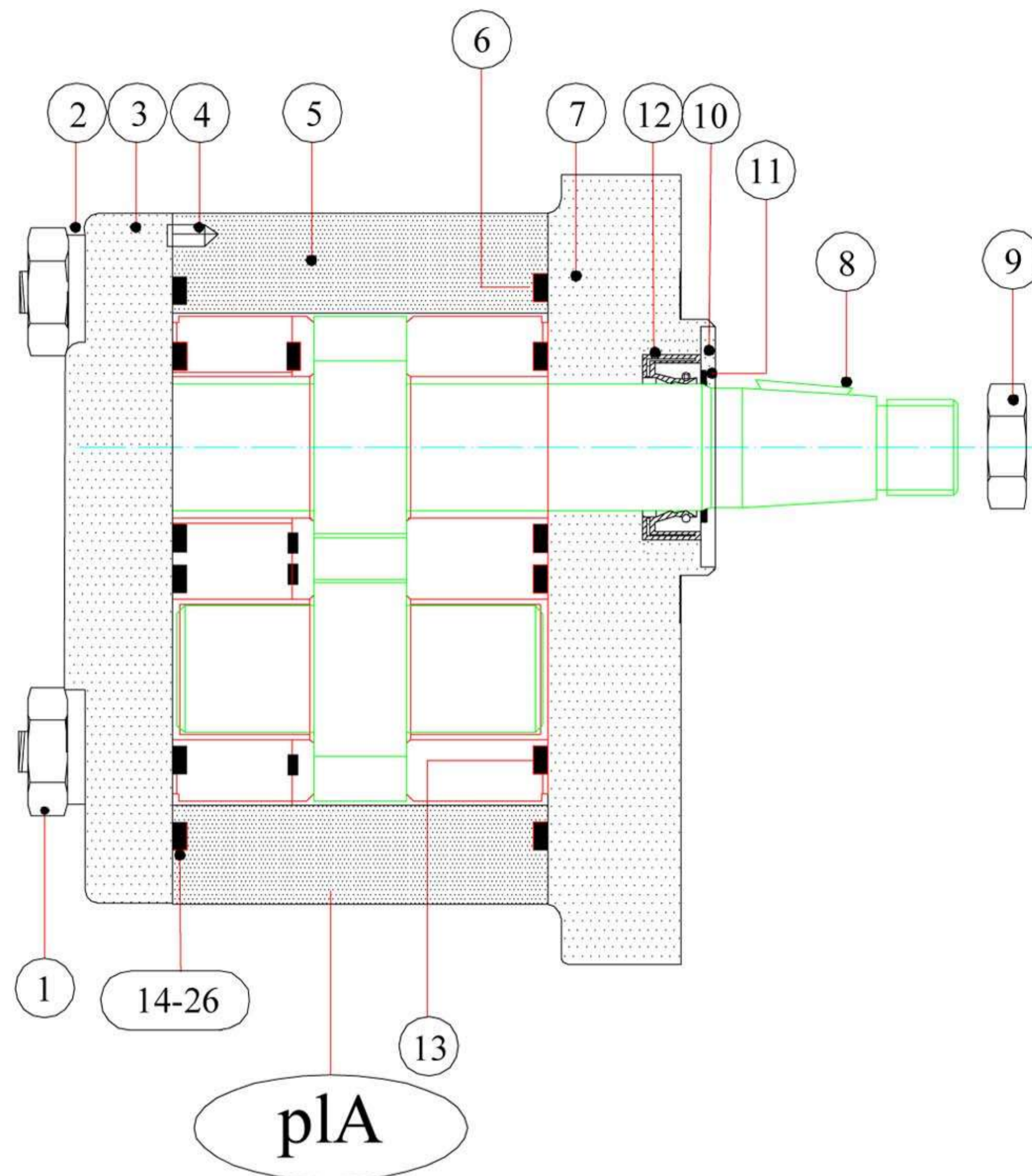
FLANGE TYPE. 36



<p>SHAFT J01</p>  <p>Taper: 1/5(5.65°)</p>	<p>SHAFT W01</p>  <p>EC AF 10</p> <p>Max.driving torque 120Nm</p>	<p>SHAFT G07</p>  <p>Diametral pitch 16/32 Pressure angle 30° Teeth number 16</p>	<p>SHAFT G10</p>  <p>Diametral pitch 16/32 Pressure angle 30° Teeth number 13</p>
<p>SHAFT A01</p>  <p>Taper 3°</p>	<p>SHAFT K01</p>  <p>D.P:16/32 Teeth number:13 Pressure angel 30°</p>	<p>SHAFT G08</p>  <p>Diametral pitch 16/32 Pressure angle 30° Teeth number 13</p>	<p>SHAFT G11</p>  <p>Diametral pitch 16/32 Pressure angle 30° Teeth number 14</p>
<p>SHAFT B01</p>  <p>EC AF</p> <p>Max.driving torque 120Nm</p>	<p>SHAFT D01</p>  <p>M8x28</p> <p>Grove diameter Ø24</p>	<p>SHAFT G09 97</p>  <p>Diametral pitch 16/32 Pressure angle 30° Teeth number 13</p>	<p>SHAFT I01</p>  <p>M6x15</p> <p>Grove diameter Ø23.6</p> <p>Module:1.667 Teeth number:13</p>







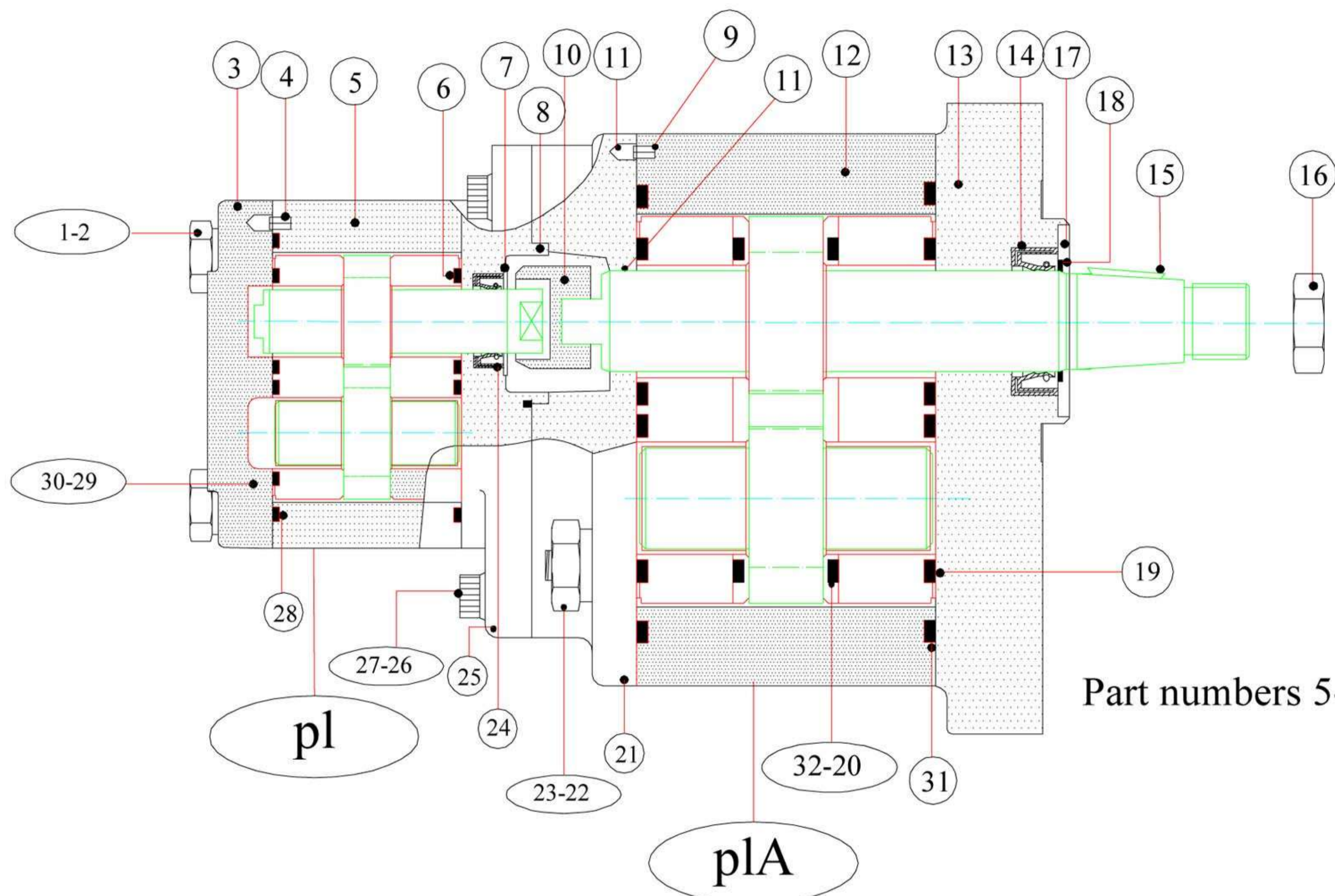
The set mark 5 consists of:

- 1-pump housing
- 2-Bearings
- 3-Compensation
- 4-Driving gear
- 5-Driven gear

No.	Description	Qut
1	Screw M 12X 1.5	4
2	Washer DIN-6797Ø12	4
3	Back cover	1
4	Elastic pin DIN-1481 Ø6X 10.9	2
5	Pump housing sub-assembly	1
6	Gasket	2
7	Flange	1
8	Key	1
9	Shaft nut	1
10	Circlip	1
11	Guid gasket	1
12	Oil seal	1
13	O ring	2
14	Anti-extrusion gasket	2
15	Back -up ring	1

No.	Description	Qut
16	Ring	1
17	Flange	1
18	Needle ring	1
19	Bearing ring	1
20	Circlip	1
21	Flat key	1
22	Screw DIN -931 M6X 30	1
23	Washer	1
24	Top polea	1
25	Pulley	1
26	Gasket	1

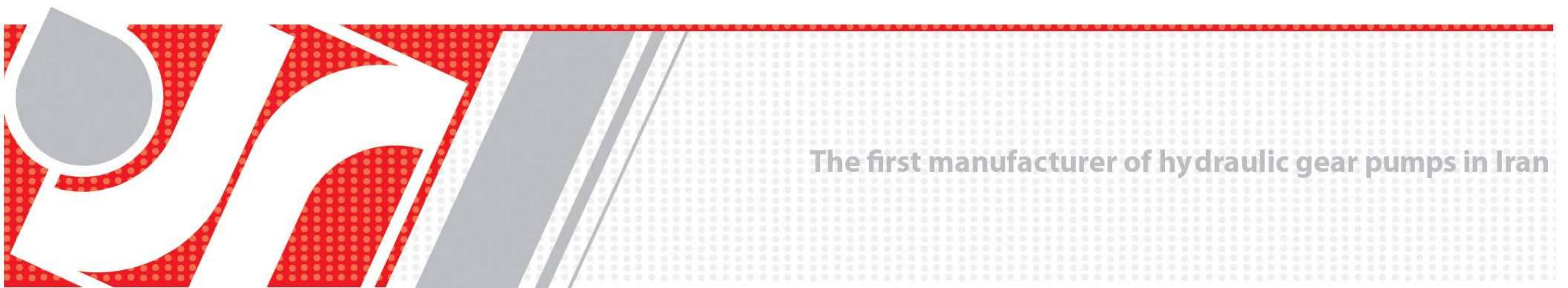


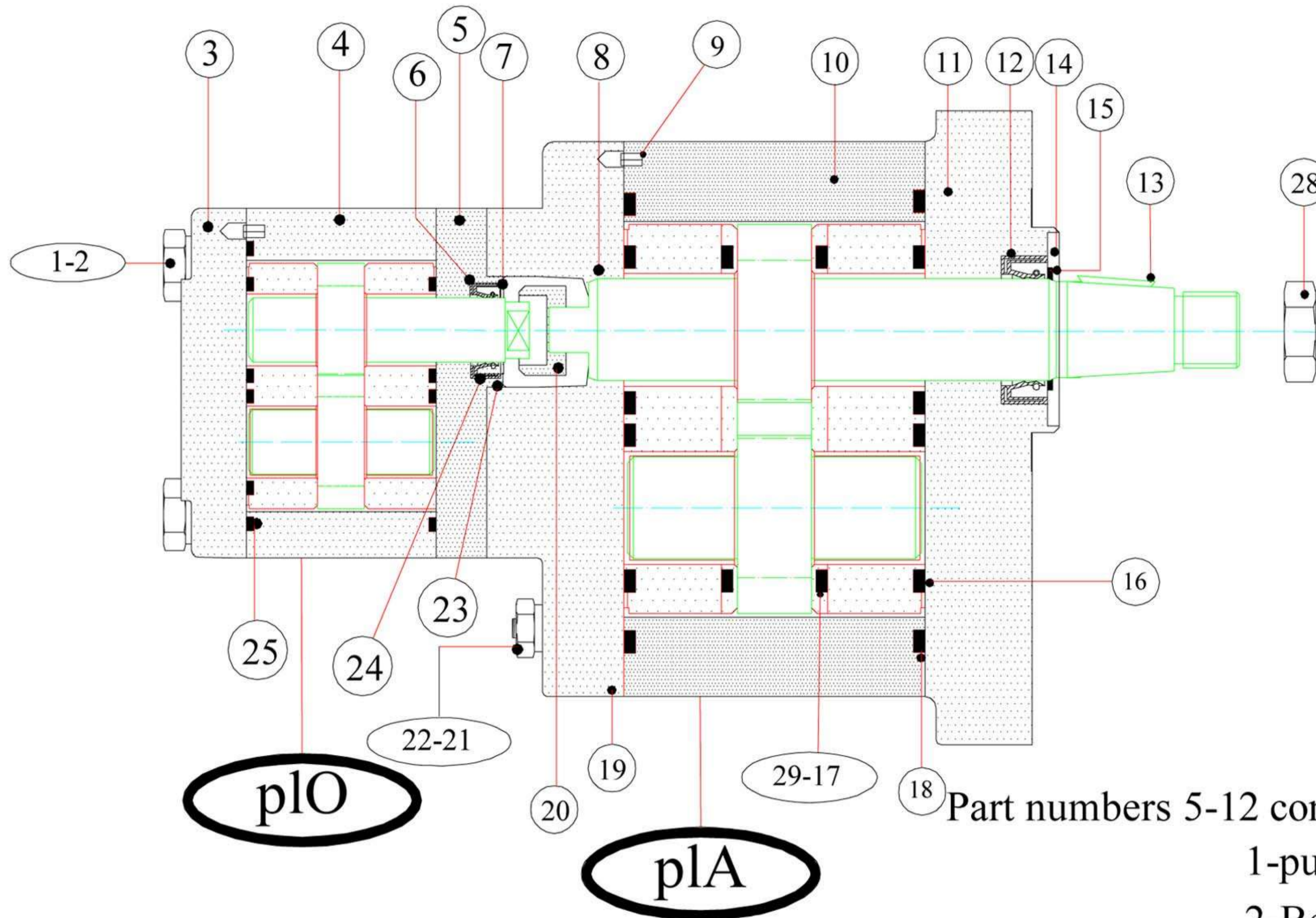


Part numbers 5-12 consists of:
 1-pump housing
 2-Bearings
 3-Driving gear
 4-Driven gear
 5-Compensation

No.	Description	Qut
1	Screw M10	4
2	Washer DIN-6797Ø10	4
3	Back cover	1
4	Elastic pin DIN-1481 Ø4x8	2
5	Pump housing sub-assembly	1
6	Guide gasket	1
7	Circlip	1
8	Oring Ø46x2.5	1
9	Elastic pin DIN-1481 Ø6x10.9	4
10	Coupling	1
11	Guide ring	1
12	Pump housing sub-assembly	1
13	Flange	1
14	Oil seal	1
15	Key	1
16	Shaft nut	1

No.	Description	Qut
17	Guid Gasket	1
18	Circlip	1
19	Oring	2
20	Anti-extrusion gasket	2
21	Double pump flang	1
22	Screws M12x1.5	4
23	Washer DIN-6797Ø12	4
24	Oil seal	1
25	Double pump flange	1
26	Screws DIN-912 M8x25	3
27	Washer DIN-6797Ø8	3
28	Gasket	2
29	Anti-extrusion gasket	1
30	Gasket	1
31	Gasket	2
32	Gasket	



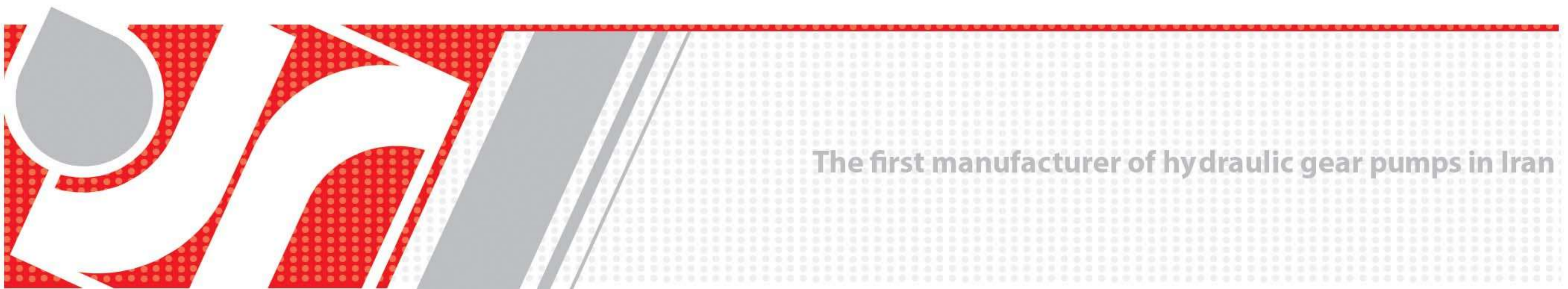


Part numbers 5-12 consists of:

- 1-pump housing
- 2-Bearings
- 3-Driving gear
- 4-Driven gear
- 5-Compensation plate

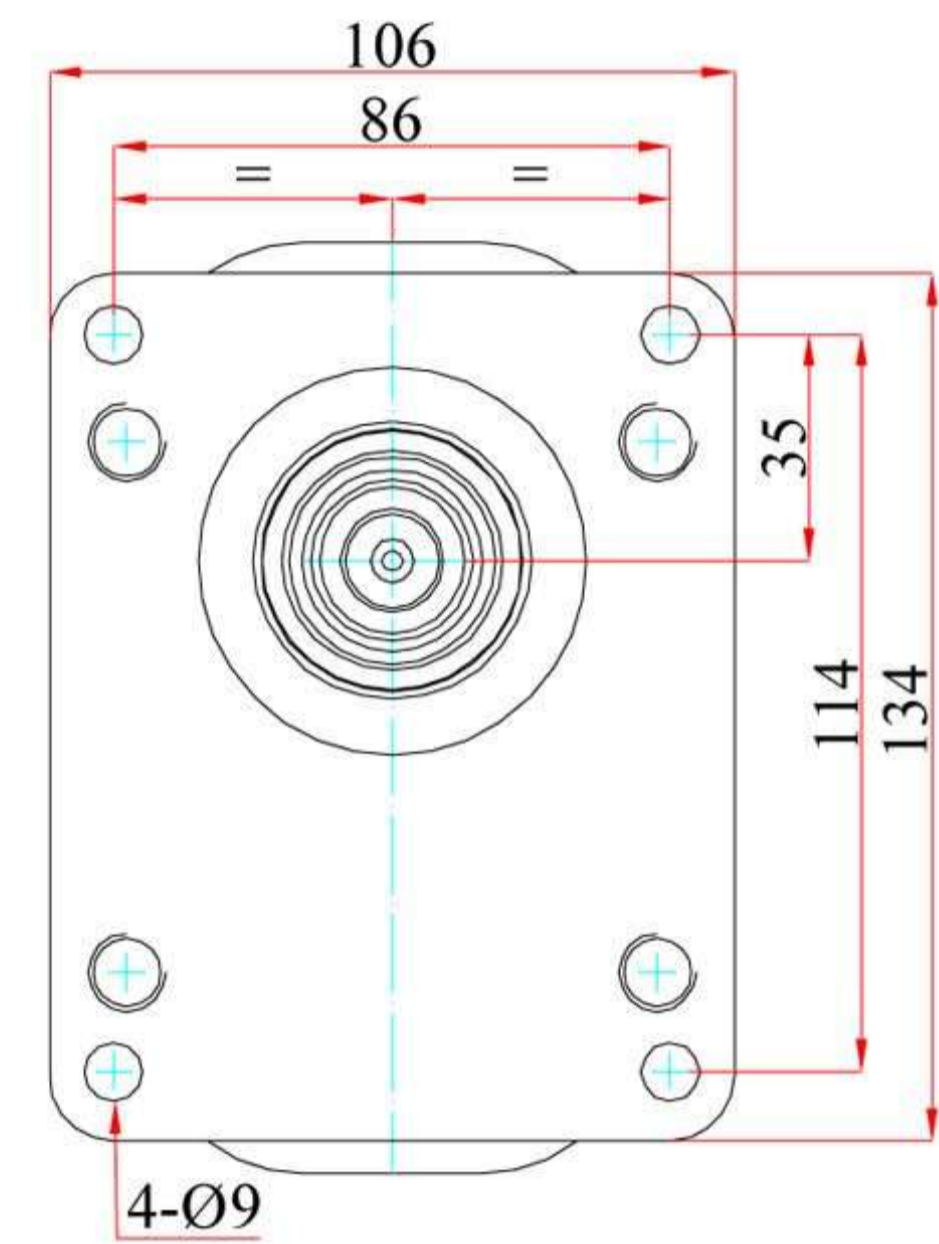
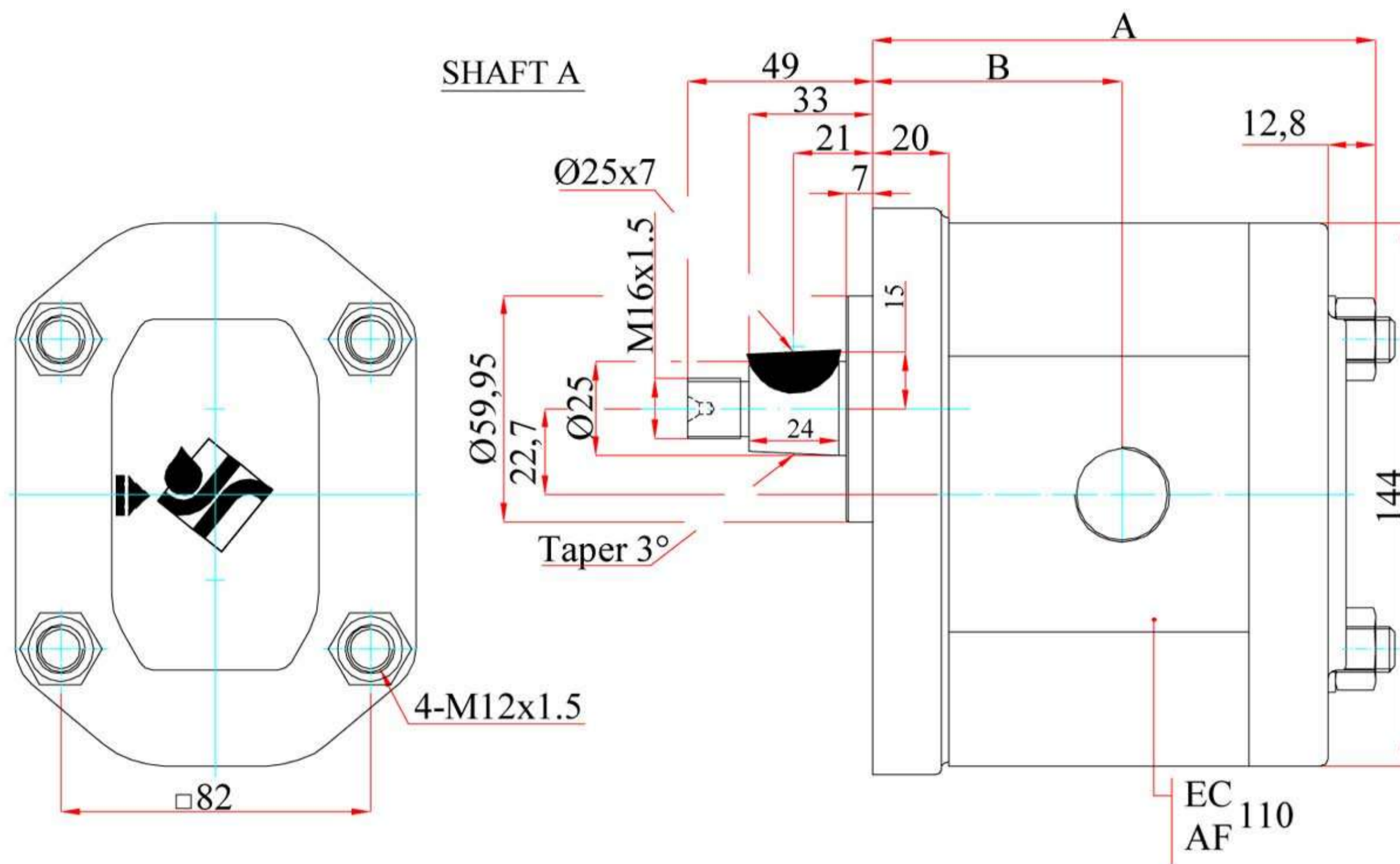
No.	Description	Qut
1	Screw M8	2-2
2	Washer Ø8DIN-6797	2-2
3	Back cover	1
4	Pump housing sub-assembly	1
5	Double pump flange	1
6	Guide gasket	1
7	Circlip	1
8	Guide ring	1
9	Elastic pin DIN-1481Ø3×10	1
10	Pump housing sub-assembly	1
11	Flange	1
12	Oil seal	1
13	Key	1
14	Guide gasket	1
15	Circlip	1

No.	Description	Qut
16	Oring	2
17	Anti-extrusion gasket	2
18	Gasket	2
19	Double pump flang	1
20	Coupling	1
21	Screws M12×1.5	4
22	Washer DIN-6797Ø12	4
23	Oring Ø27.7×2	1
24	Oil seal	1
25	Gasket	2
26	Gasket	2
27	Anti-extrusion gasket	2
28	Shaft nut	1
29	Gasket	2
30		

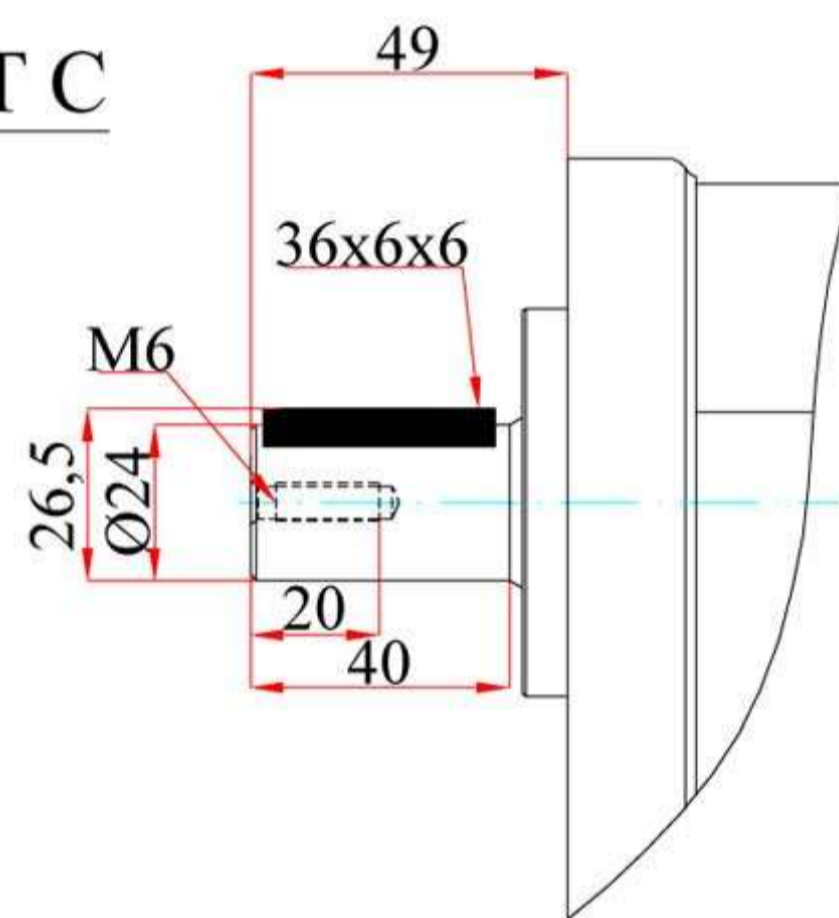


801-1LA....(C/CC)A01R

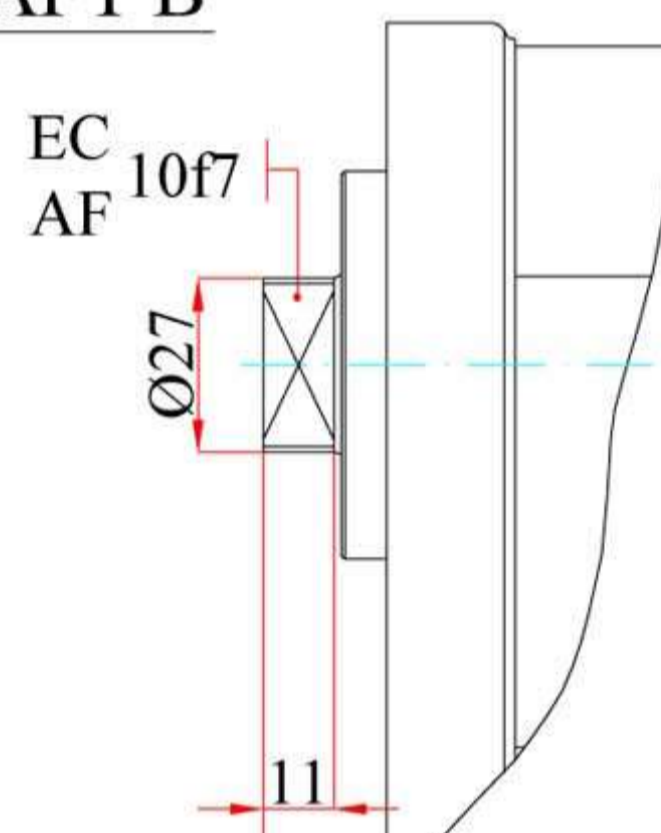
SHAFT A&B&C&D&I(01)
OUTLET & INLET R 801
FLANGE 01



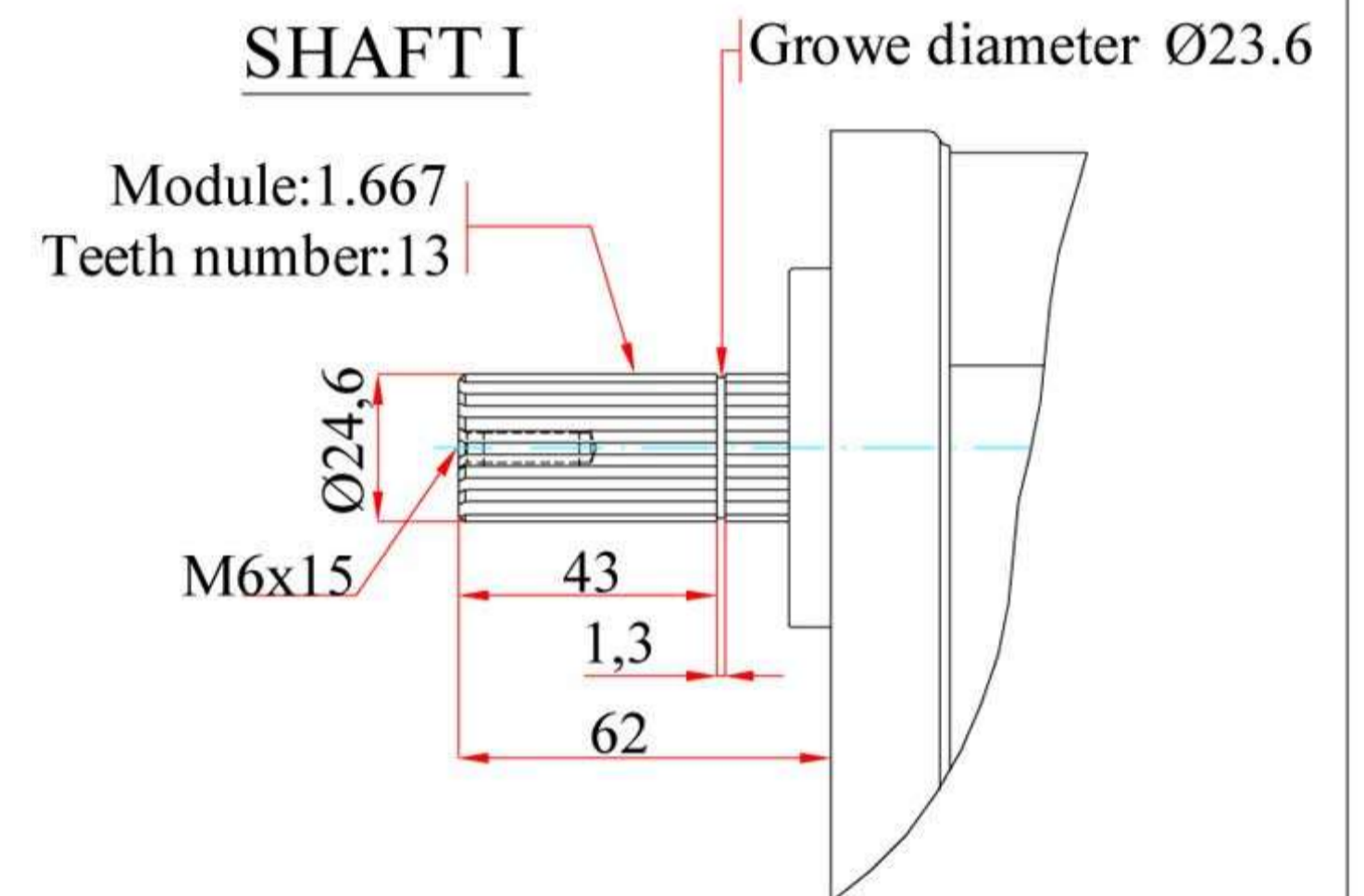
SHAFT C



SHAFT B

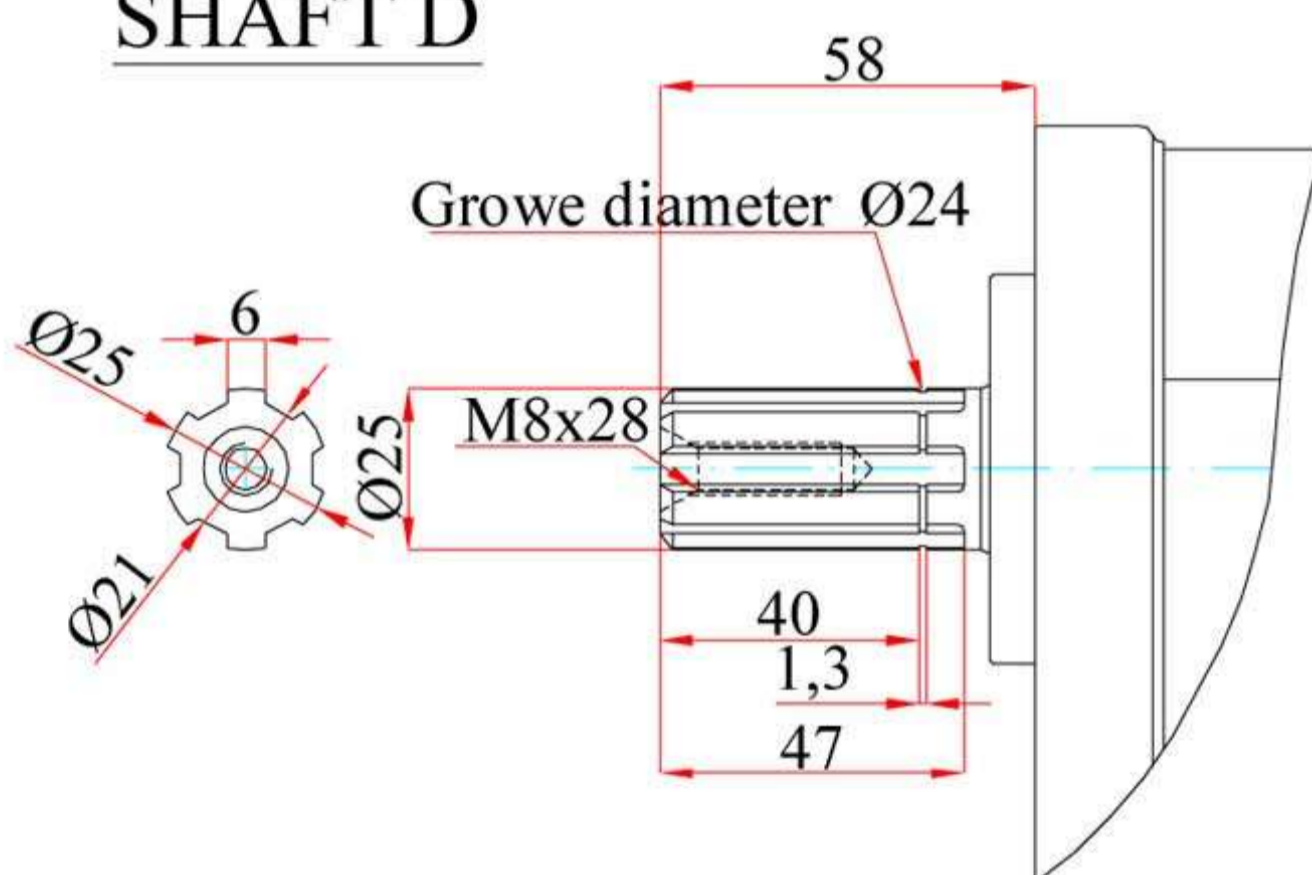


SHAFT I



19 Max.driving torque 120Nm

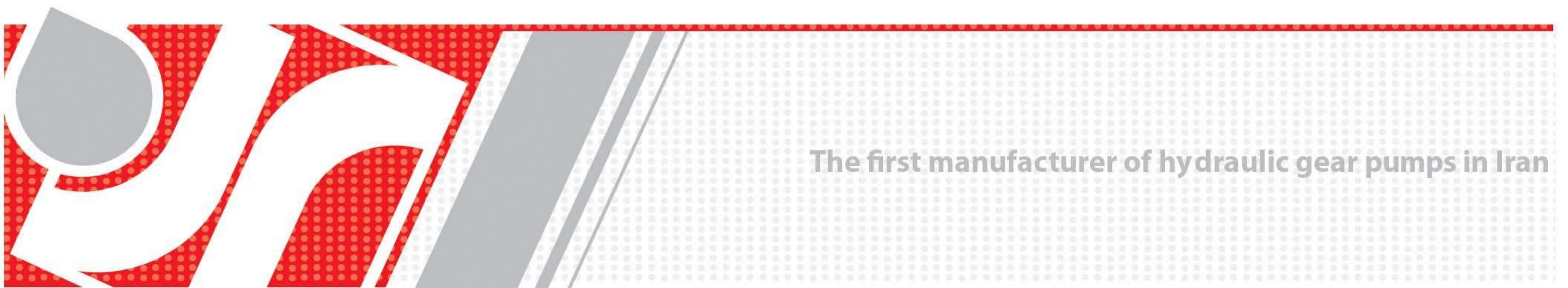
SHAFT D



Model	A	B	Outlet (BSP)	Inlet (BSP)	Weight	
801-1LA36C▲01R	133.3	66	1/2"	3/4"		
801-1LA45C▲01R	138.3	71				
801-1LA54C▲01R	143.3					
801-1LA66C▲01R	149.8		3/4"	1"		
801-1LA84C▲01R	159.3					

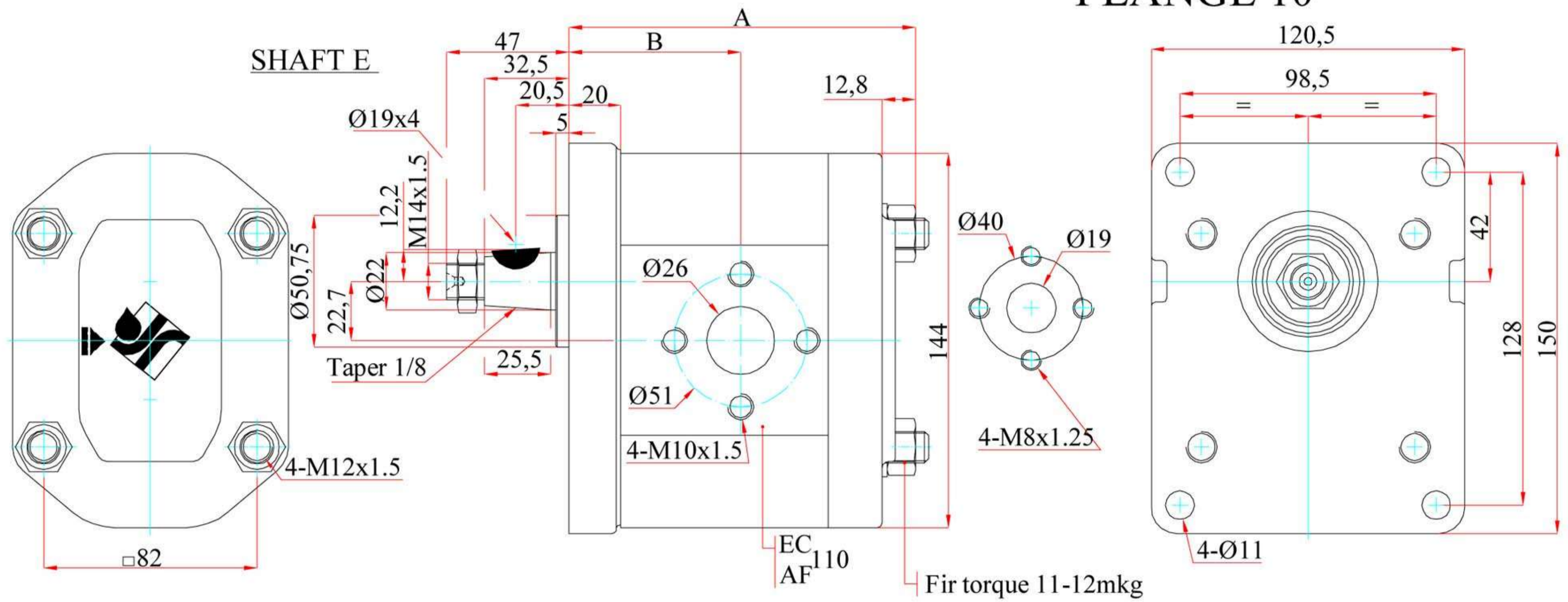
In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension

The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



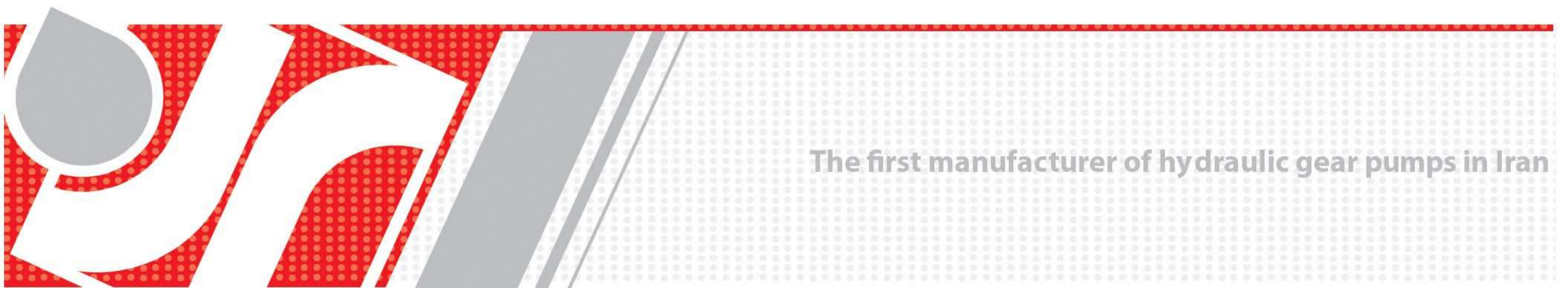
801-1LA....(C/CC)E10B

SHAFT C&E(01)
OUTLET & INLET B 801
FLANGE 10



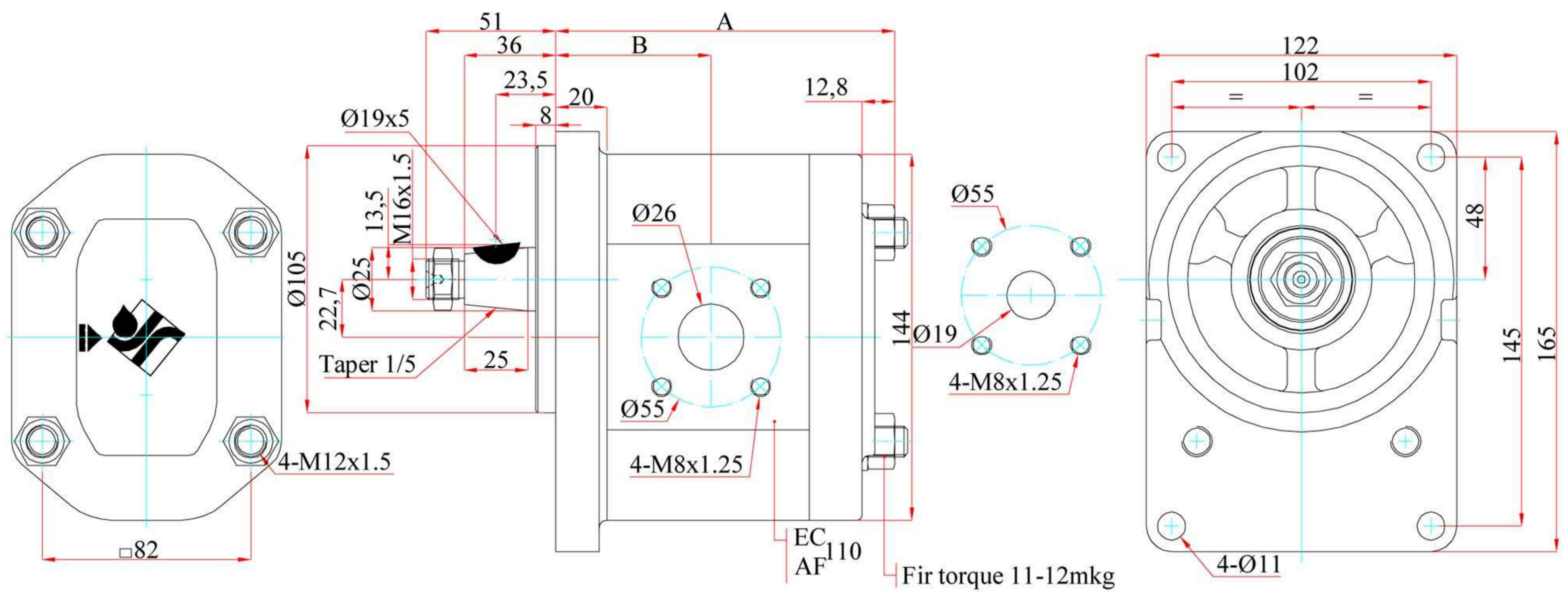
Model	A	B	Outlet		Inlet		Weight
			C	D	E	F	
801-1LA36C▲10B	133.3	66					
801-1LA45C▲10B	138.3	71	19	40	26	51	
801-1LA54C▲10B	143.3						
801-1LA66C▲10B	149.8						
801-1LA84C▲10B	159.3						

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



801-1LA....(C/CC)J23F

SHAFT J01
OUTLET & INLET F 801
FLANGE 23



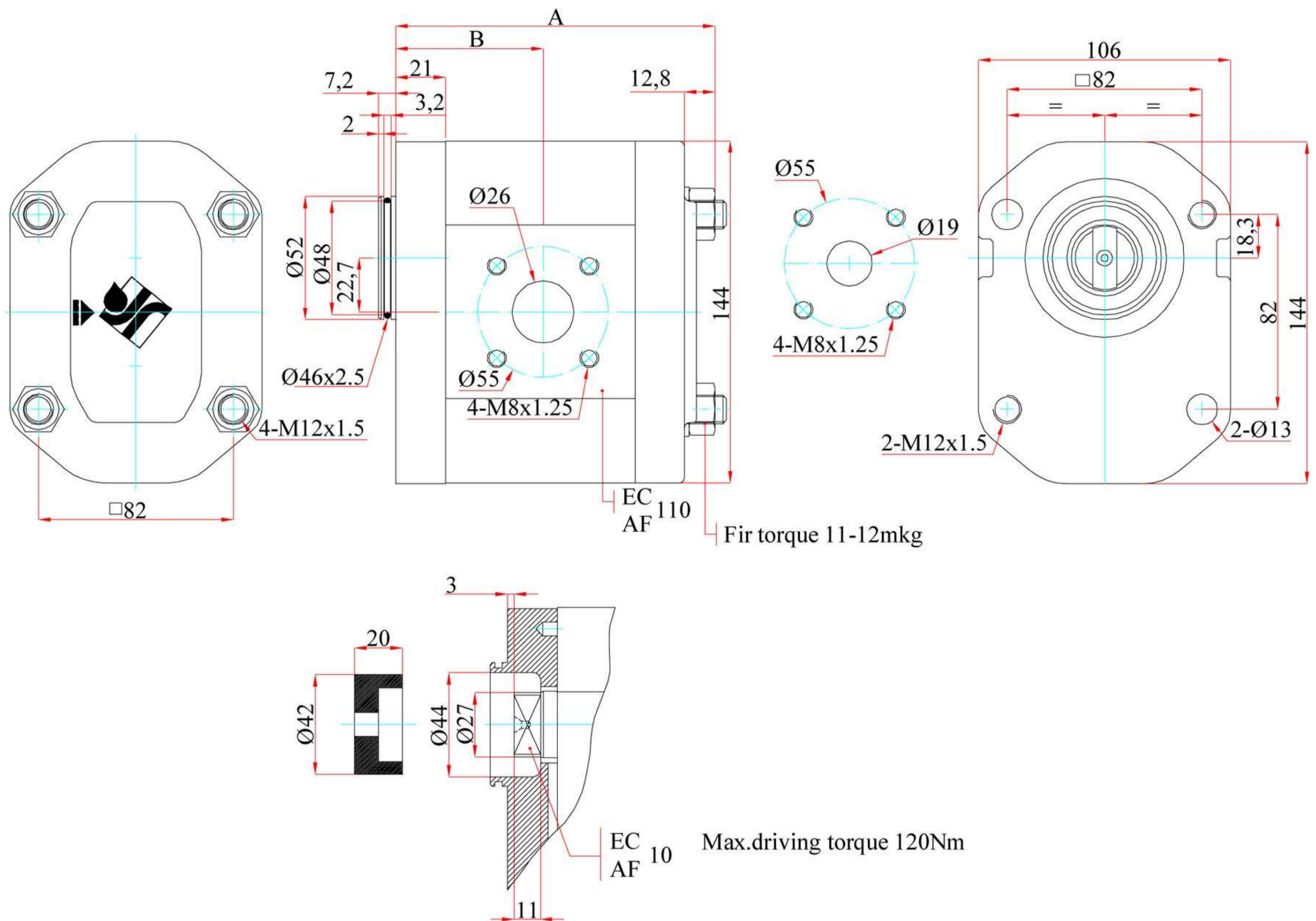
Model	A	B	Outlet		Inlet		Weight
			C	D	E	F	
801-1LA36CJ23F	133.3	61	19	40	26	51	
801-1LA45CJ23F	138.3	64.5					
801-1LA54CJ23F	143.3	66.5					
801-1LA66CJ23F	149.8	69.5					
801-1LA84CJ23F	159.3	77					

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



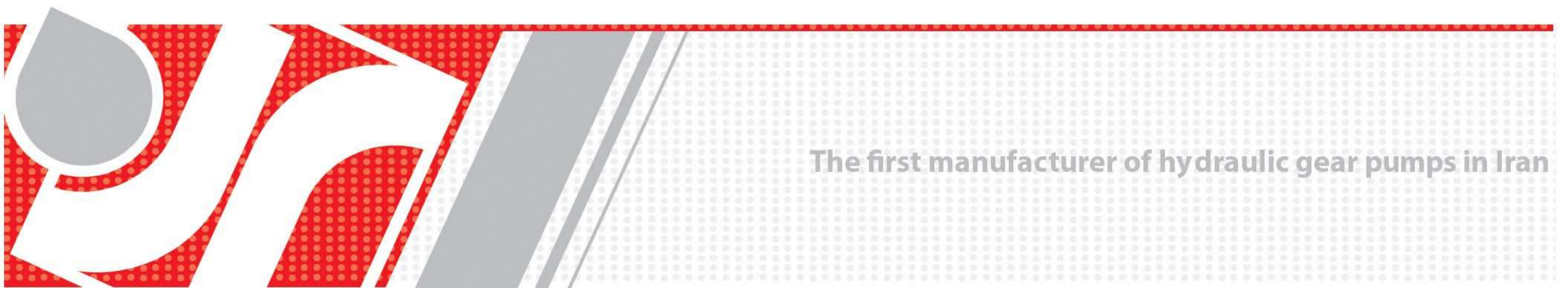
801-1LA...(C/CC)W19F

SHAFT W01
OUTLET & INLET F 801
FLANGE 19



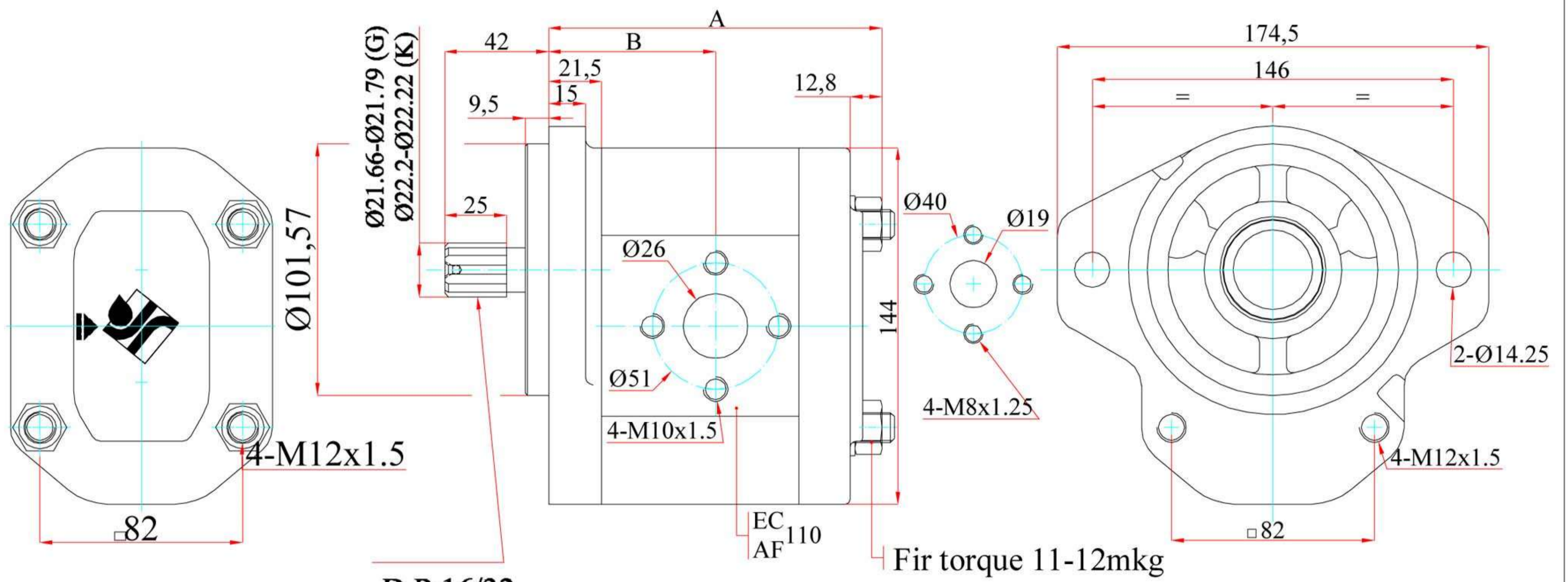
Model	A	B	Outlet		Inlet		Weight
			C	D	E	F	
801-1LA36CW19F	134.3	62	19	55	26	55	
801-1LA45CW19F	139.3	65.5					
801-1LA54CW19F	144.3	67.5					
801-1LA66CW19F	150.8	70.5					
801-1LA84CW19F	160.3	78					

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



801-1LA...(C/CC)G09B
801-1LA...(C/CC)K09B

SHAFT G01&K01
OUTLET & INLET B 801
FLANGE 09



D.P:16/32
Teeth number:13
Pressure angel 30°

Fir torque 11-12mkg

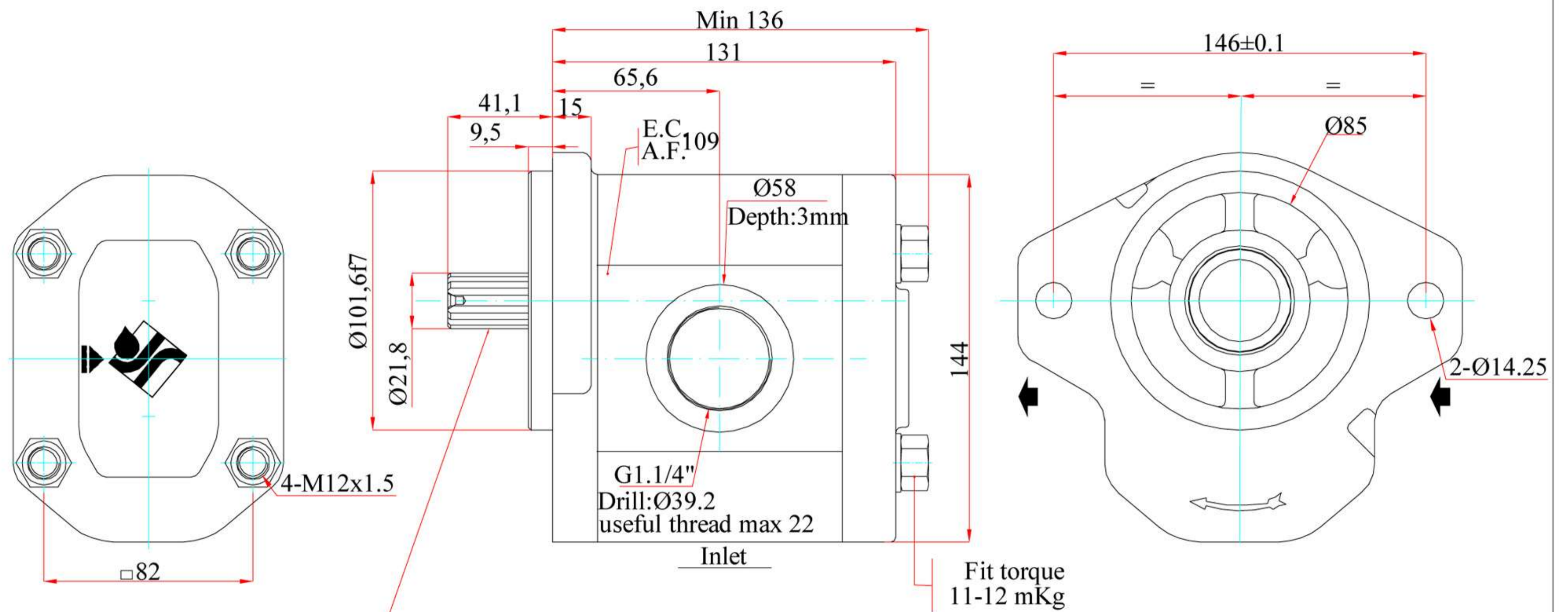
Model	A	B	Outlet		Inlet		Weight
			C	D	E	F	
801-1LA36C▲09B	134.8	67.5					
801-1LA45C▲09B	139.8	72.5	19	40	26	51	
801-1LA54C▲09B	144.8						
801-1LA66C▲09B	151.3						
801-1LA84C▲09B	160.8						

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted

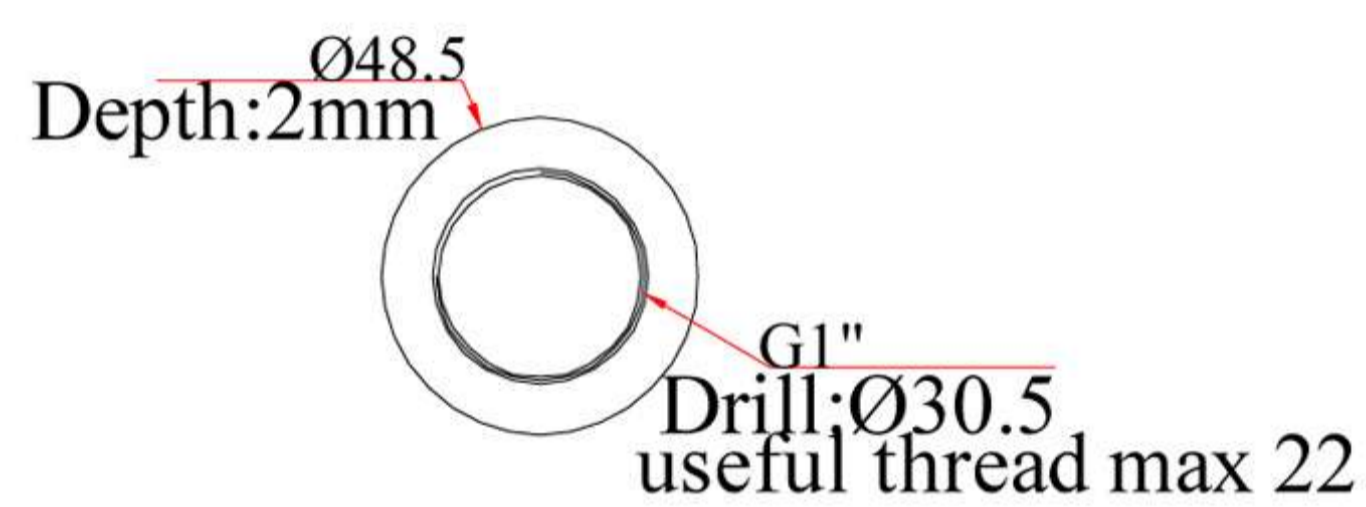


802-1LA66CCG27R

SHAFT G03
OUTLET & INLET R 802
FLANGE 27



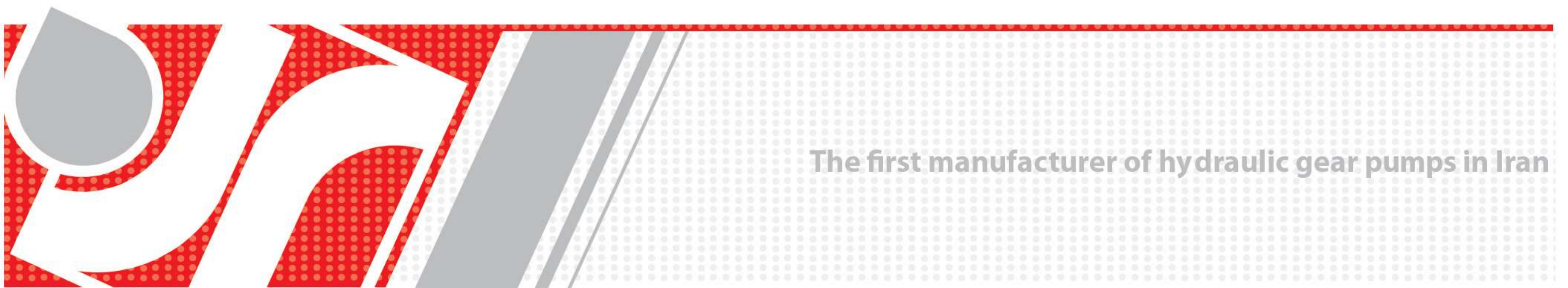
Spline data
Diametral pitch 16/32
Pressure angle 30°
Teeth number 13



Outlet

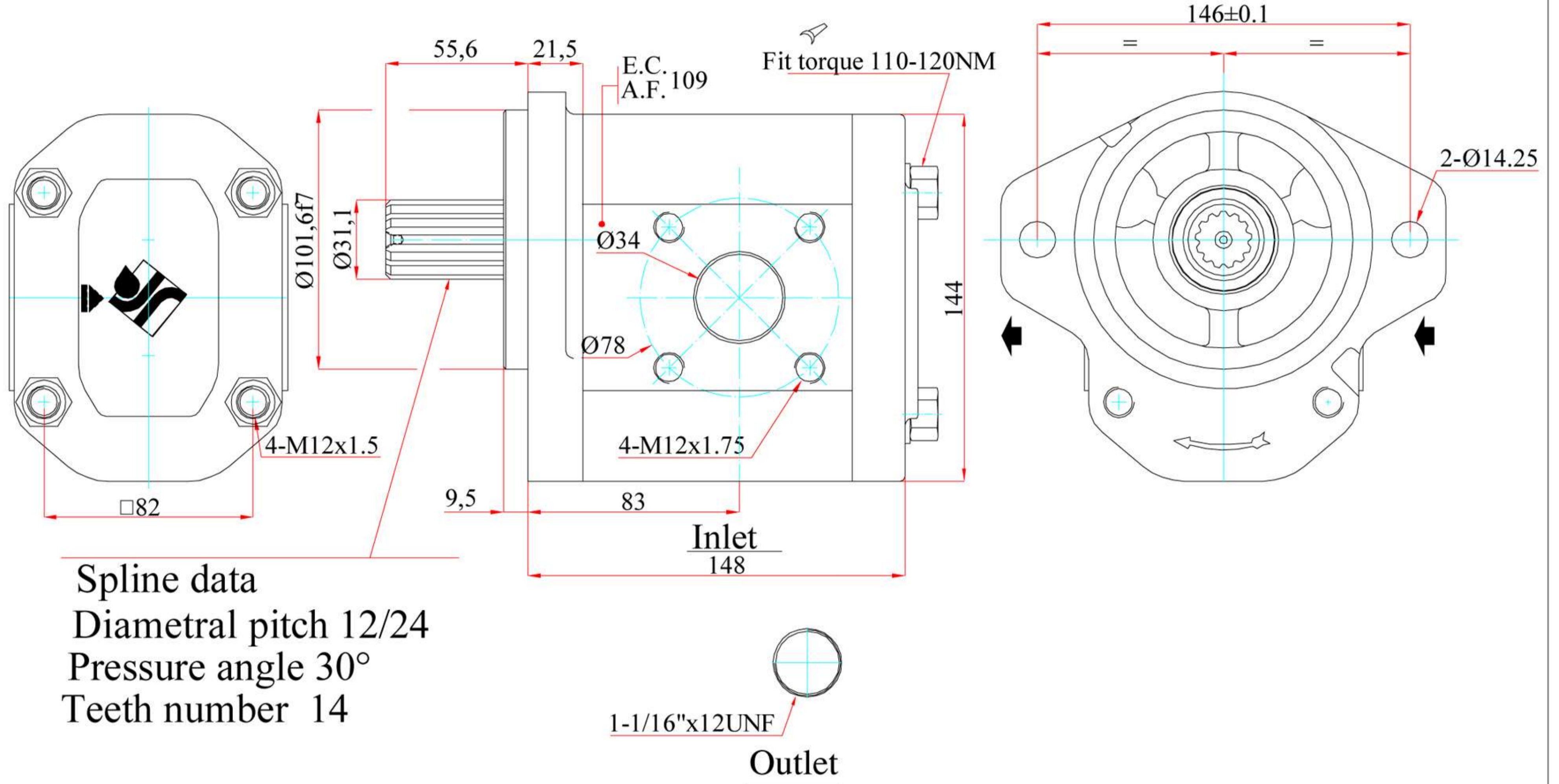
Model	Displacement CC/r.	CONT. MAX. PRESSURE (bar)	INTERMITENT MAX. PRESSURE (bar)	MAX. R.P.M
802-1LA66CCG27R	44	200	225	2800

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



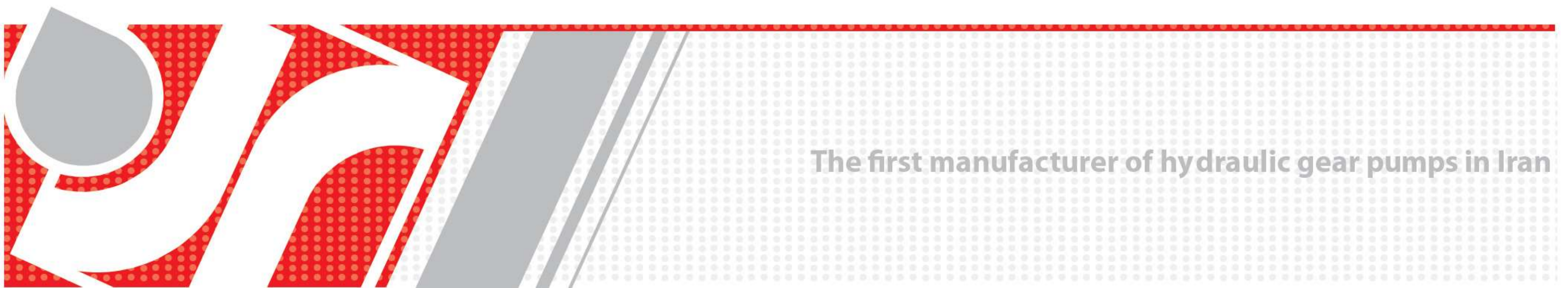
803-1LA84CCG36FR

SHAFT G05
OUTLET & INLET FR 803
FLANGE 36



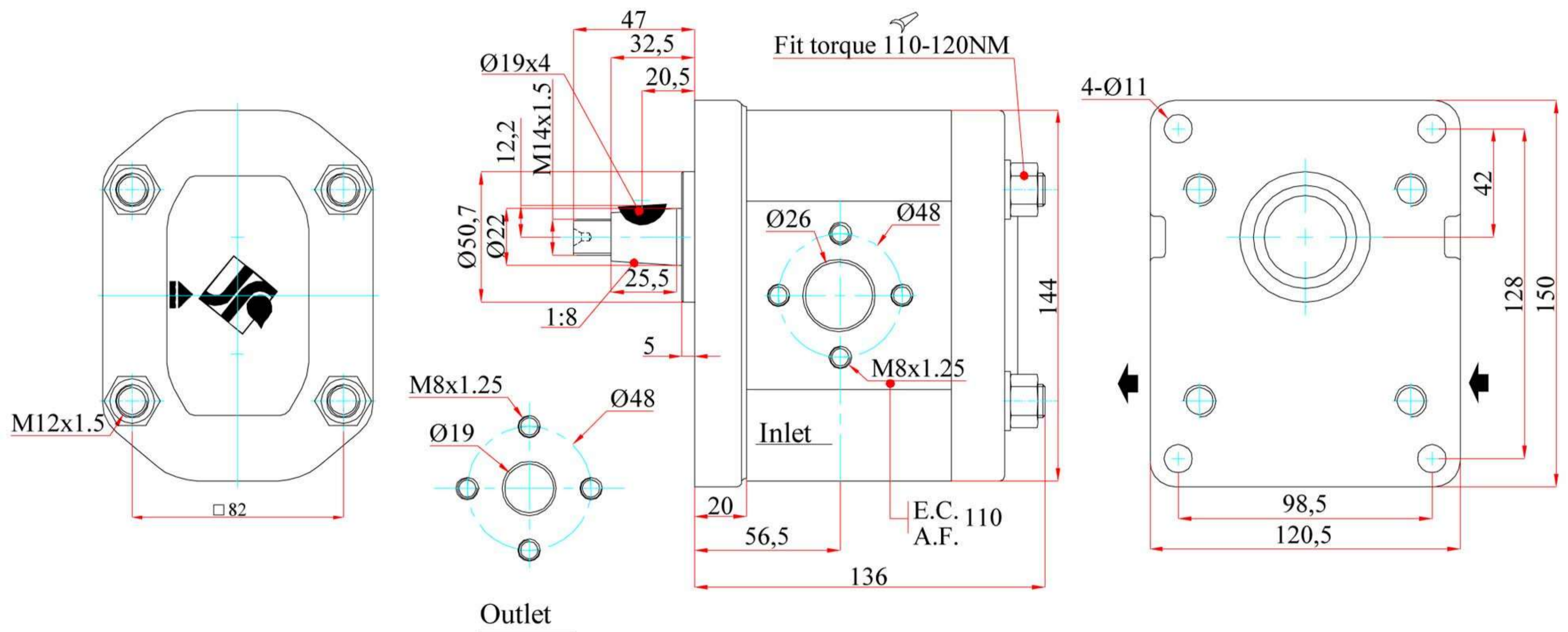
Pump Model	Displacement (cm ³ /v)	Cont Max Pressure (bar)	Intermitent Max Pressure (bar)	MAX Speed (rpm)	Min Speed (rpm)
803-1LA84CCG36FR	56	175	200	2600	500

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
 The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



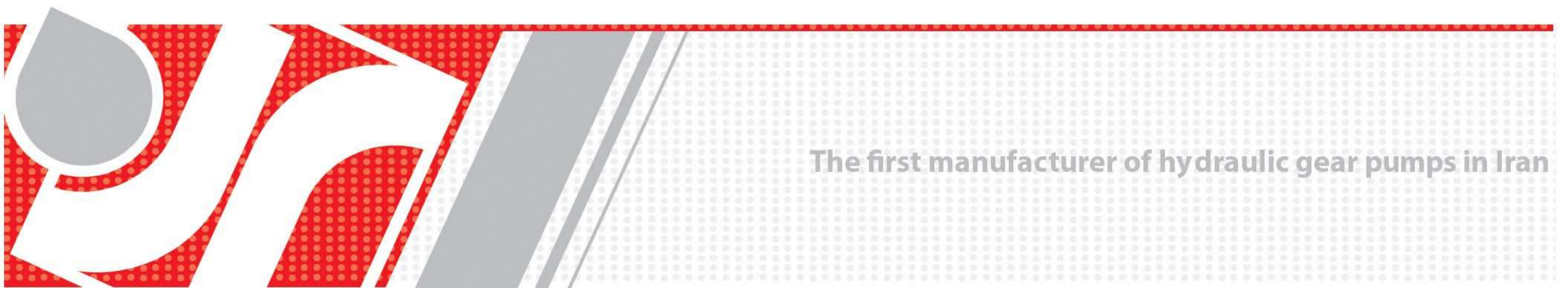
804-1LA36CCE10B

SHAFT E01
OUTLET & INLET B 804
FLANGE 10



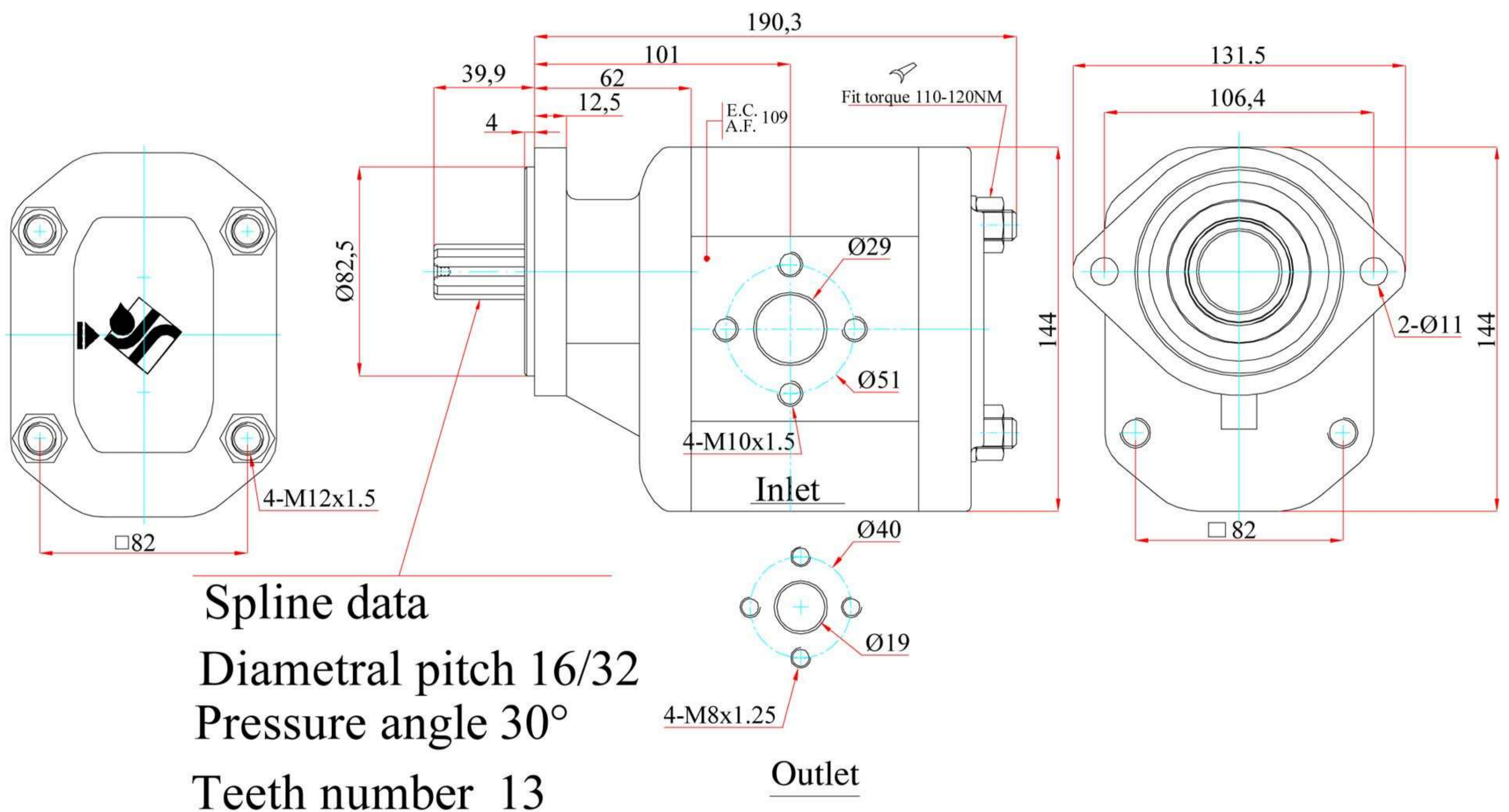
Pump Model	Displacement (cm ³ /v)	Cont Max Pressure (bar)	Intermitent Max Pressure (bar)	MAX Speed (rpm)	Min Speed (rpm)
804-1LA36CCE10B	24	250	275	3000	500

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



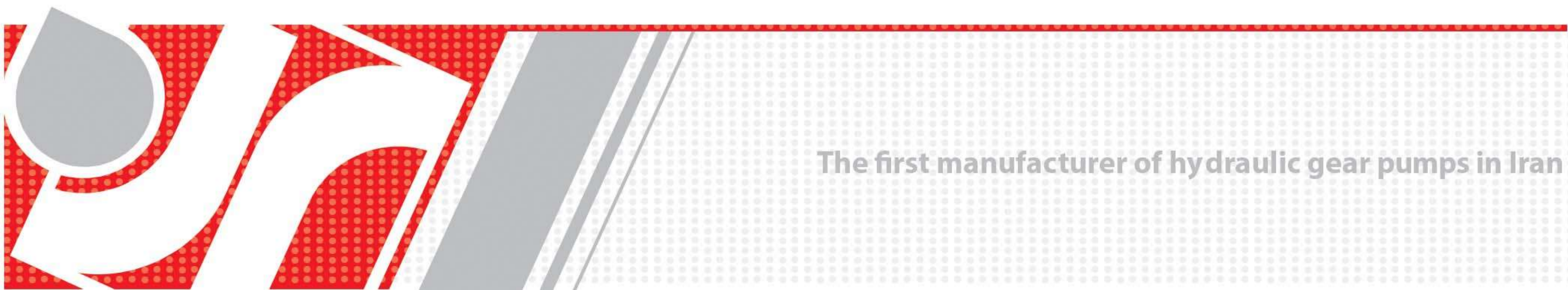
805-1LA54CG18B

SHAFT G04
OUTLET & INLET B 805
FLANGE 18



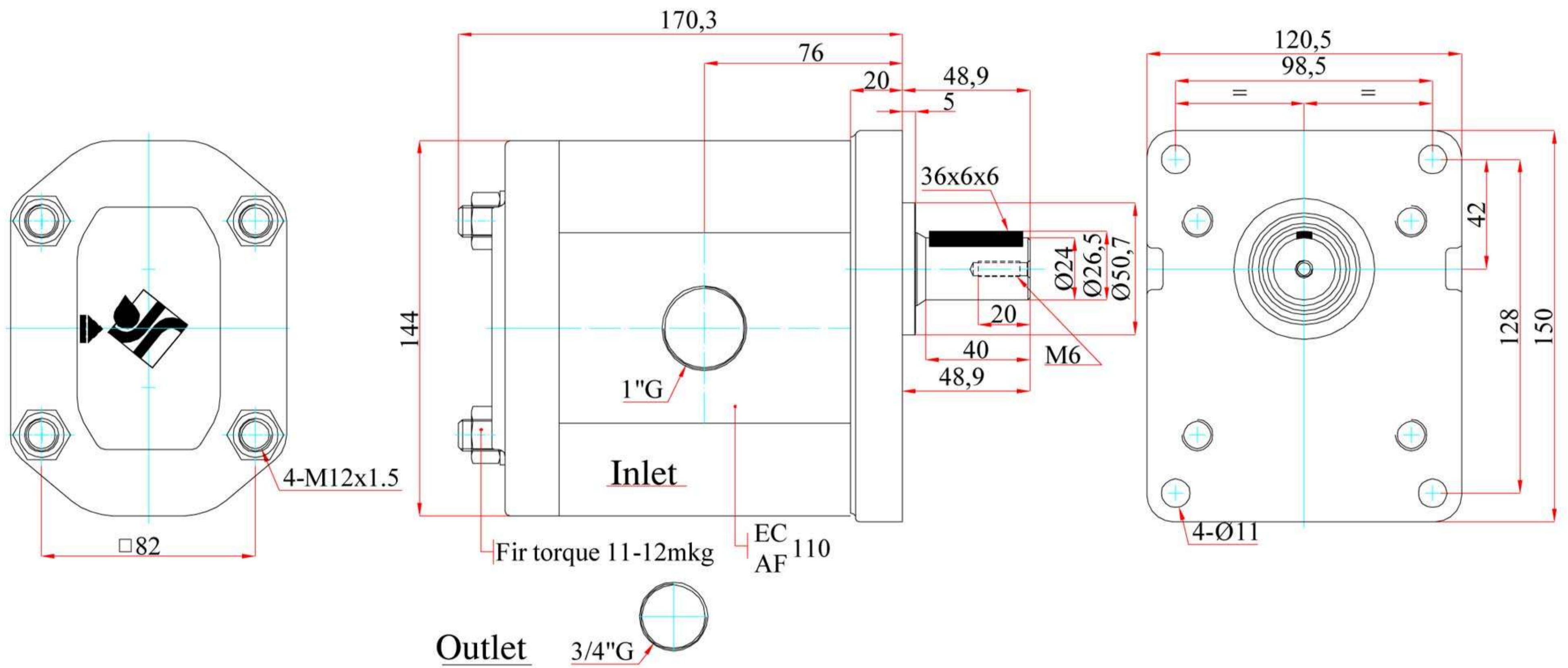
Pump Model	Displacement (cm ³ /v)	Cont Max Pressure (bar)	Intermittent Max Pressure (bar)	MAX Speed (rpm)	Min Speed (rpm)
805-1LA54CG18B	36	225	250	2800	500

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
 The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted

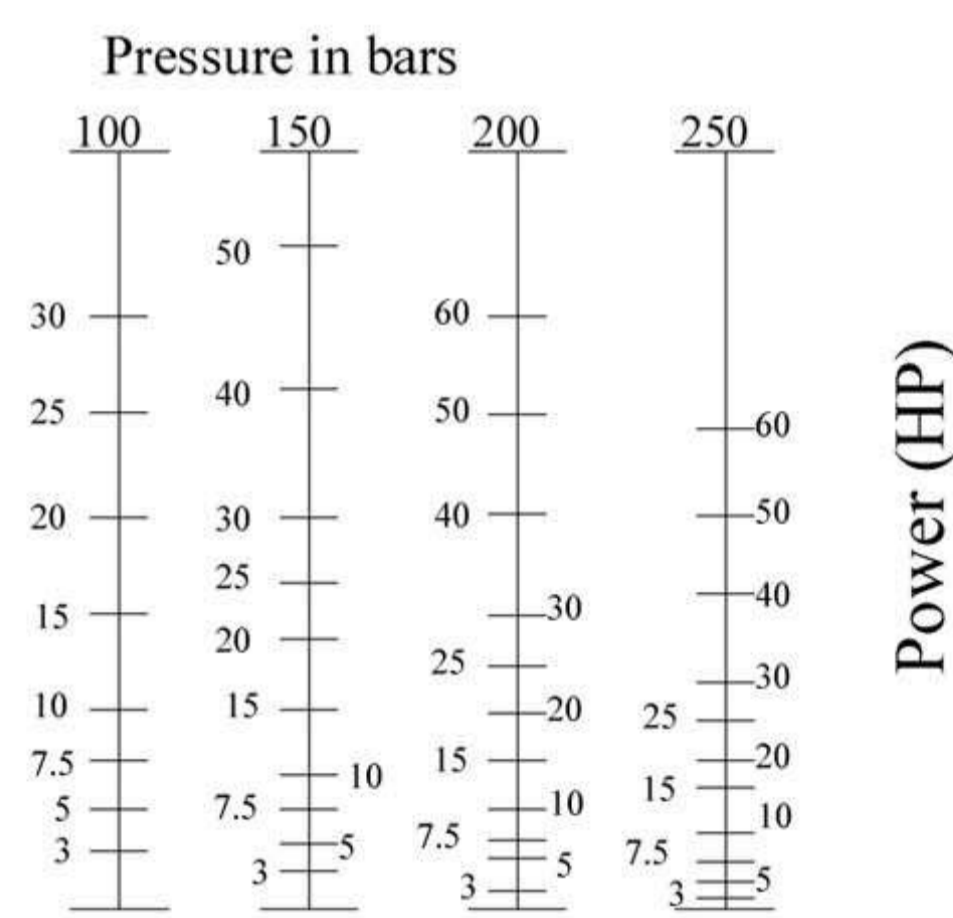
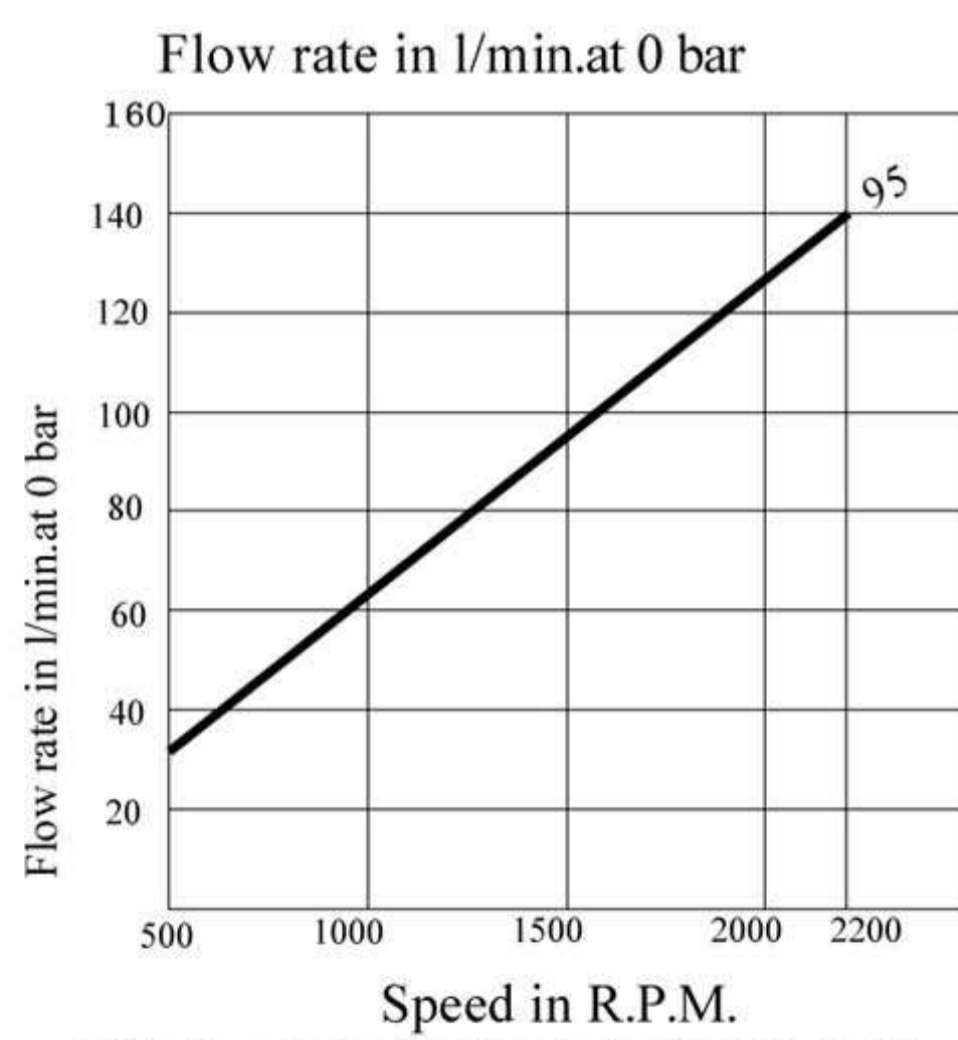
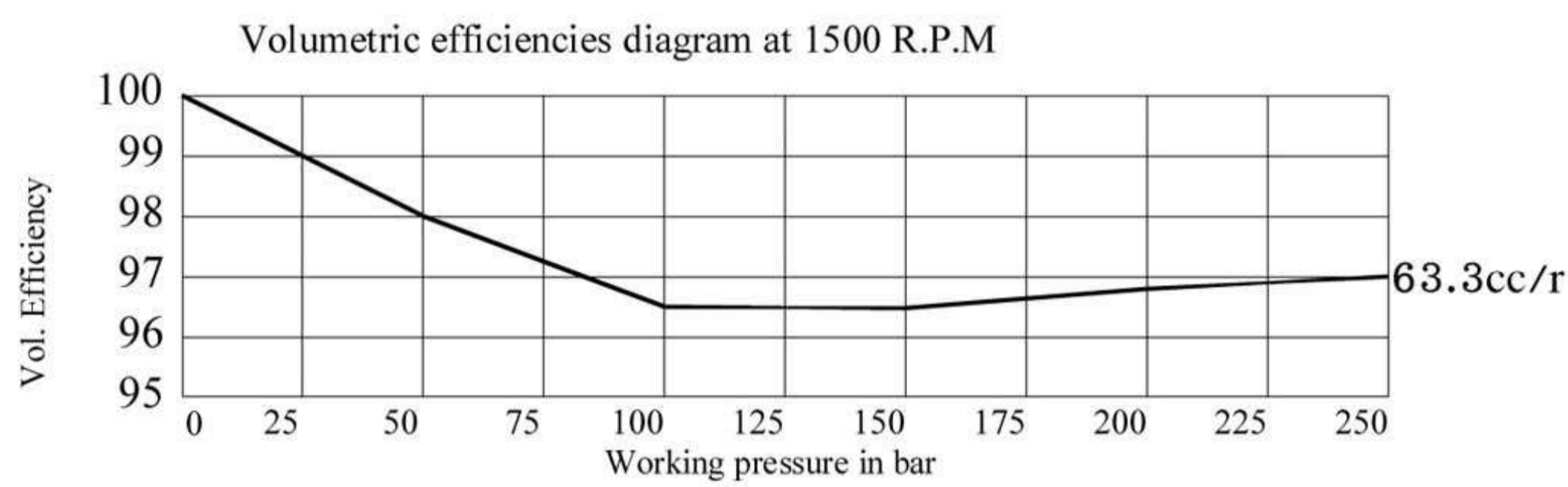


806-1LA95CC10R

SHAFT C01
OUTLET & INLET R 806
FLANGE 10

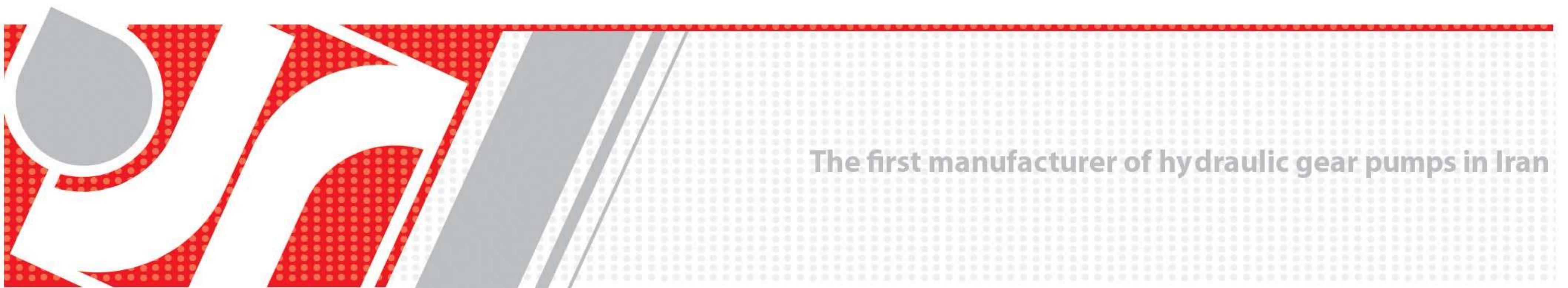


Model	Displacement CC/r.	CONT. MAX. PRESSURE (bar)	INTERMITENT MAX. PRESSURE (bar)	MAX. R.P.M
806-1LA95CC10R	63.3	150	175	2200



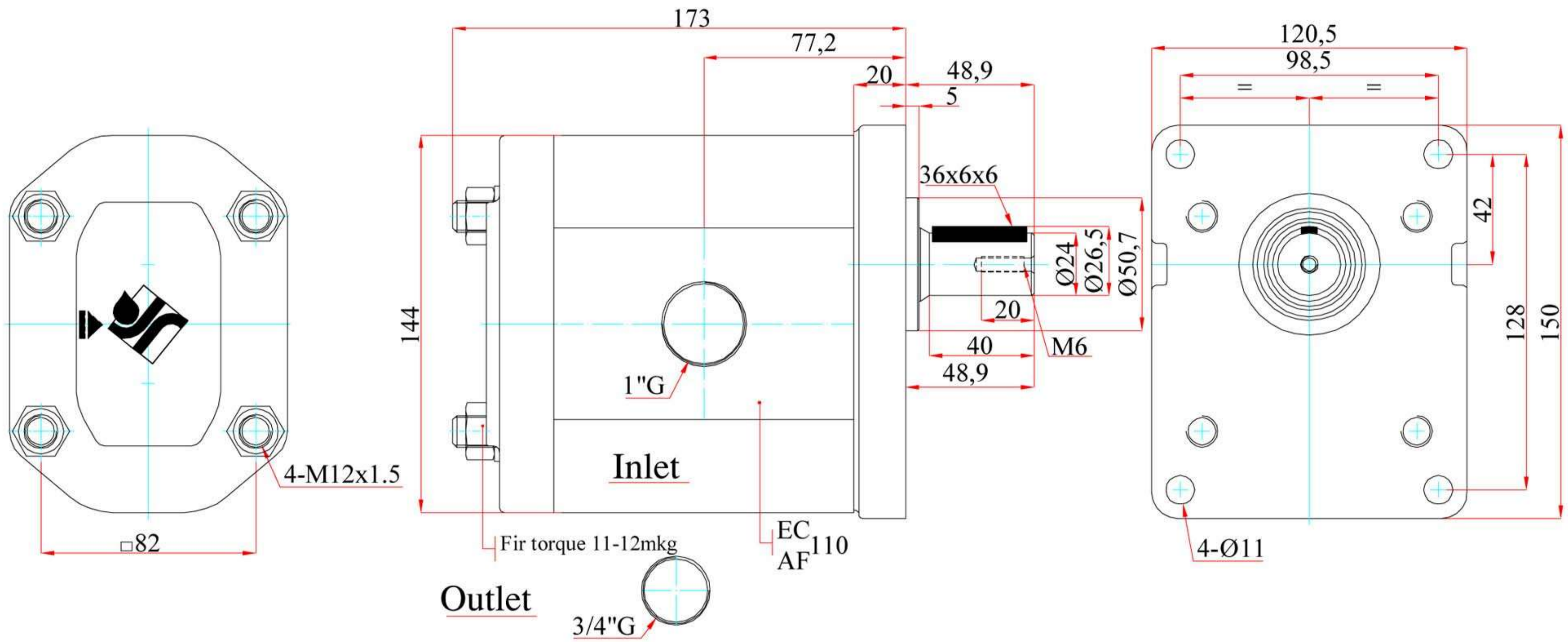
NOTE : The results have been obtained using ISO VG 46 oil at 50

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted

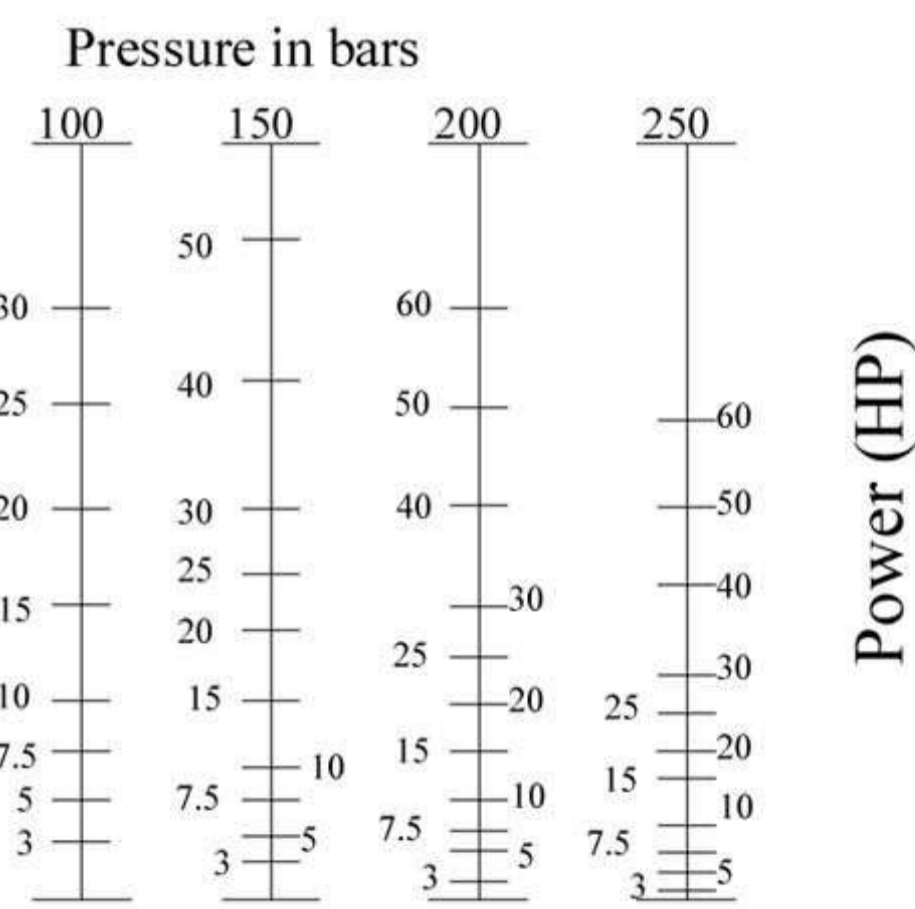
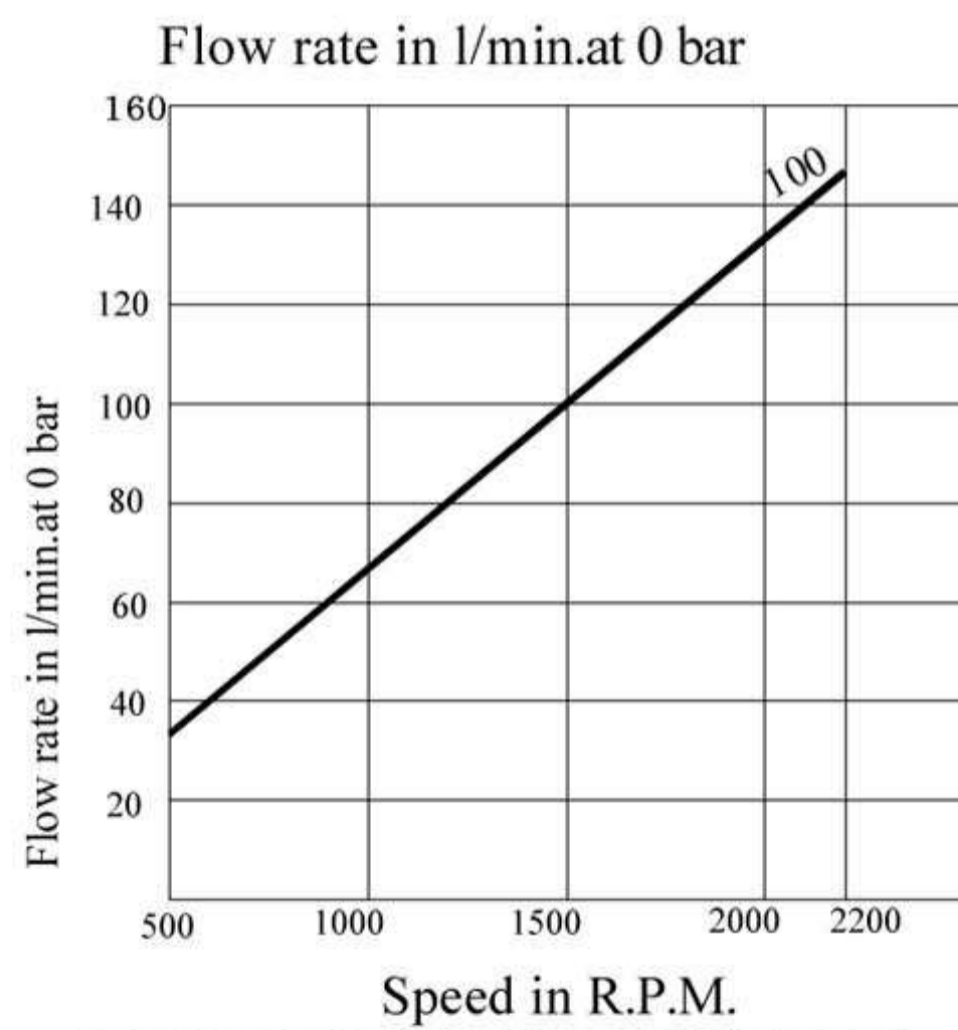
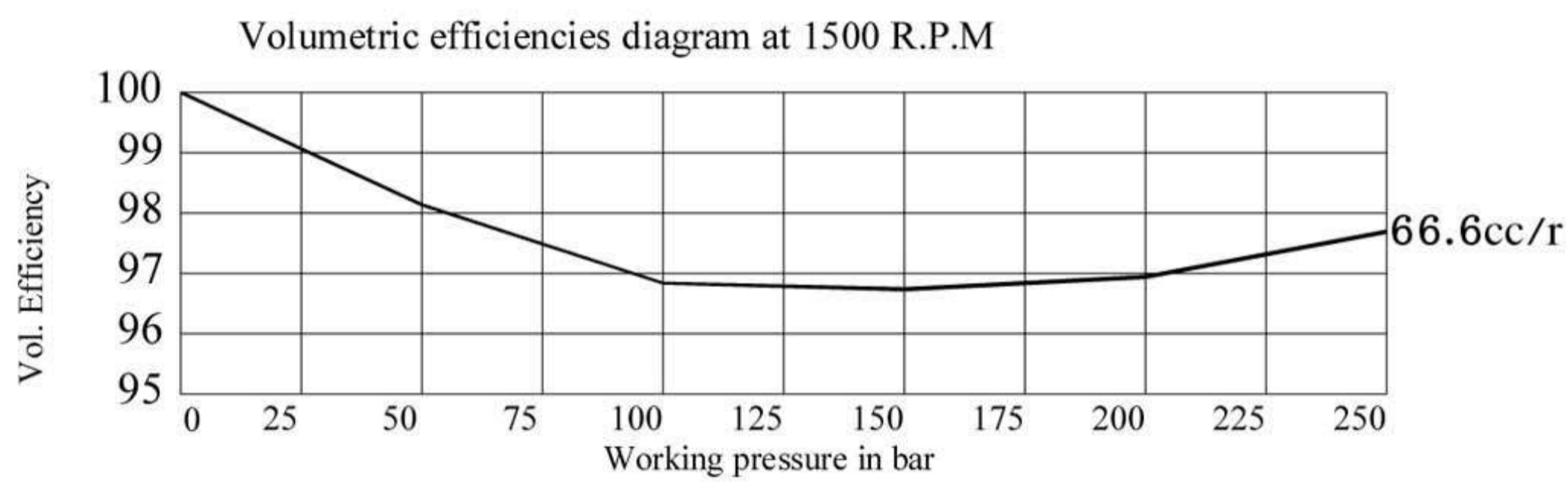


807-1LA100CC10R

SHAFT C01
OUTLET & INLET R 807
FLANGE 10

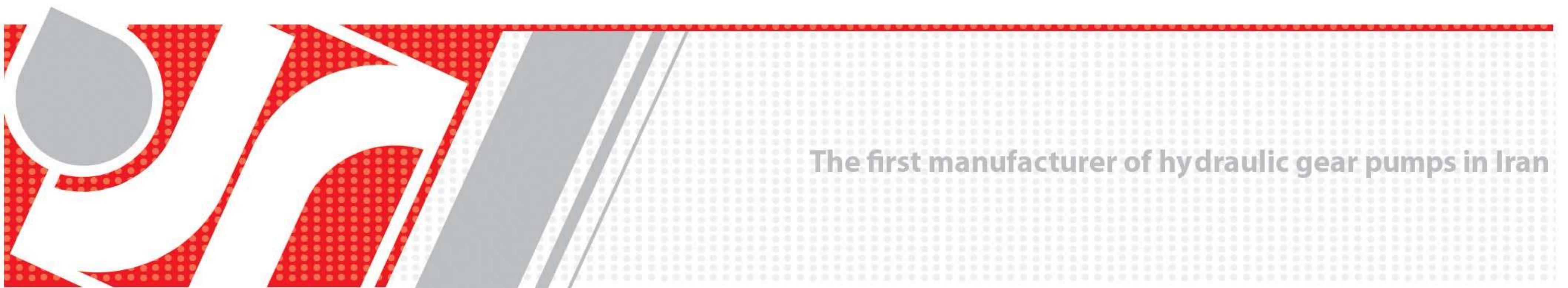


Model	Displacement CC/r.	CONT .MAX. PRESSURE (bar)	INTERMITENT MAX. PRESSURE (bar)	MAX. R.P.M
807-1LA100CC10R	66.6	150	175	2200



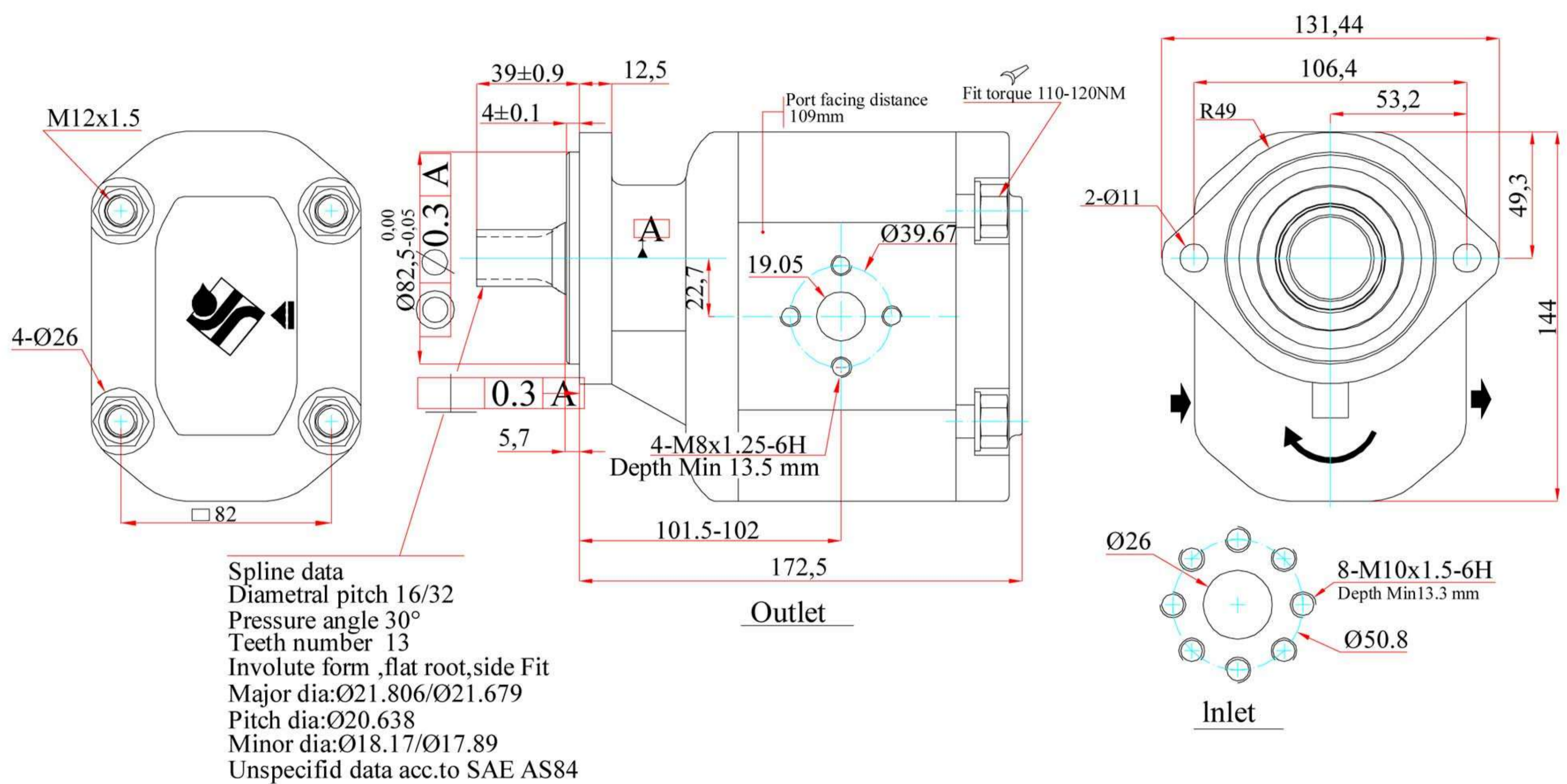
NOTE : The results have been obtained using ISO VG 46 oil at 50

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



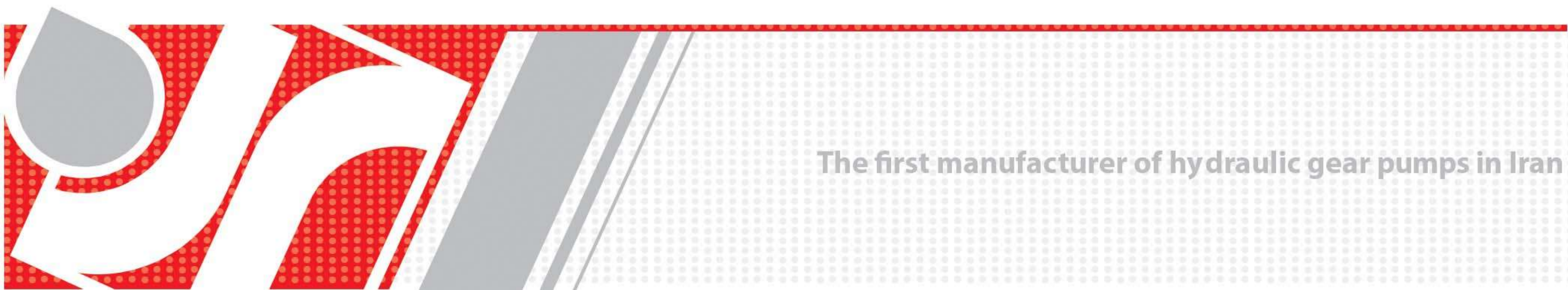
809-1LA45CG18B

SHAFT G04
OUTLET & INLET B 809
FLANGE 18



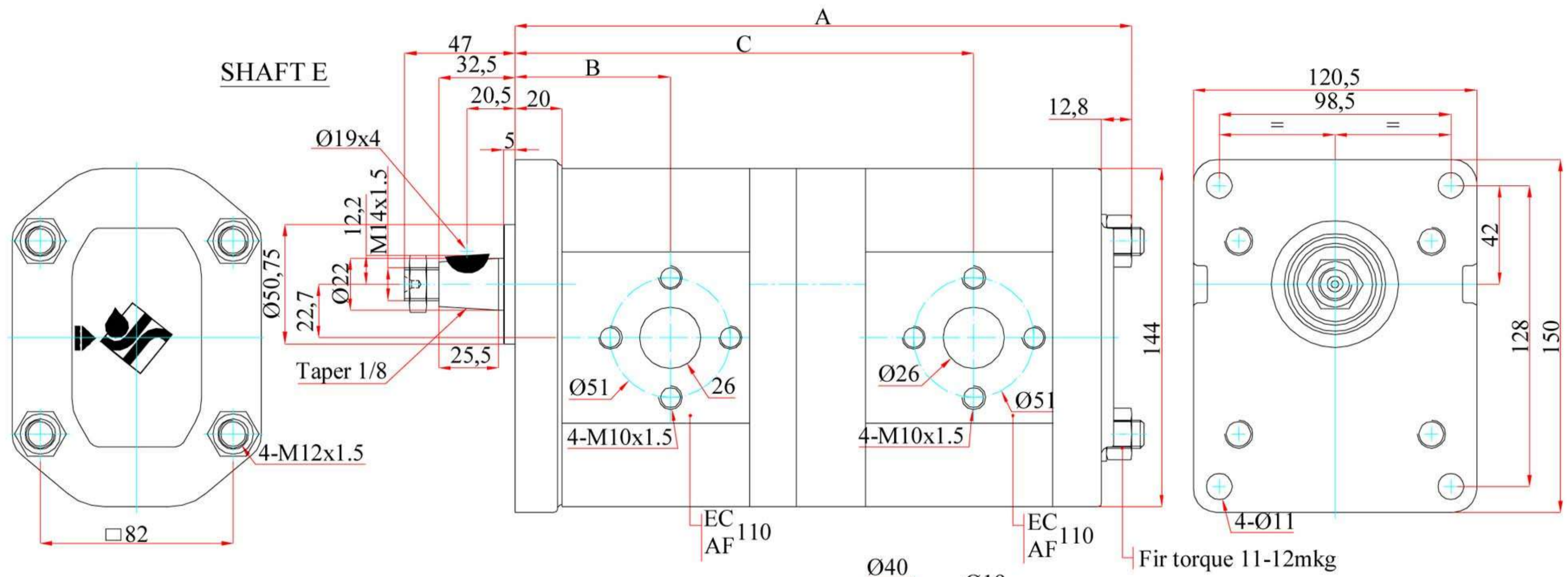
Pump Model	Displacement (cm ³ /v)	PUMP FLOW RATE (L/min) (rpm)	Cont Max Pressure (bar)	Intermitent Max Pressure (bar)	MAX Speed (rpm)
809-1LA45CG18B	30	45 L/min	250	275	3000

In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
 The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ,replace C by CC in which case suction and pressure ports shall be inverted

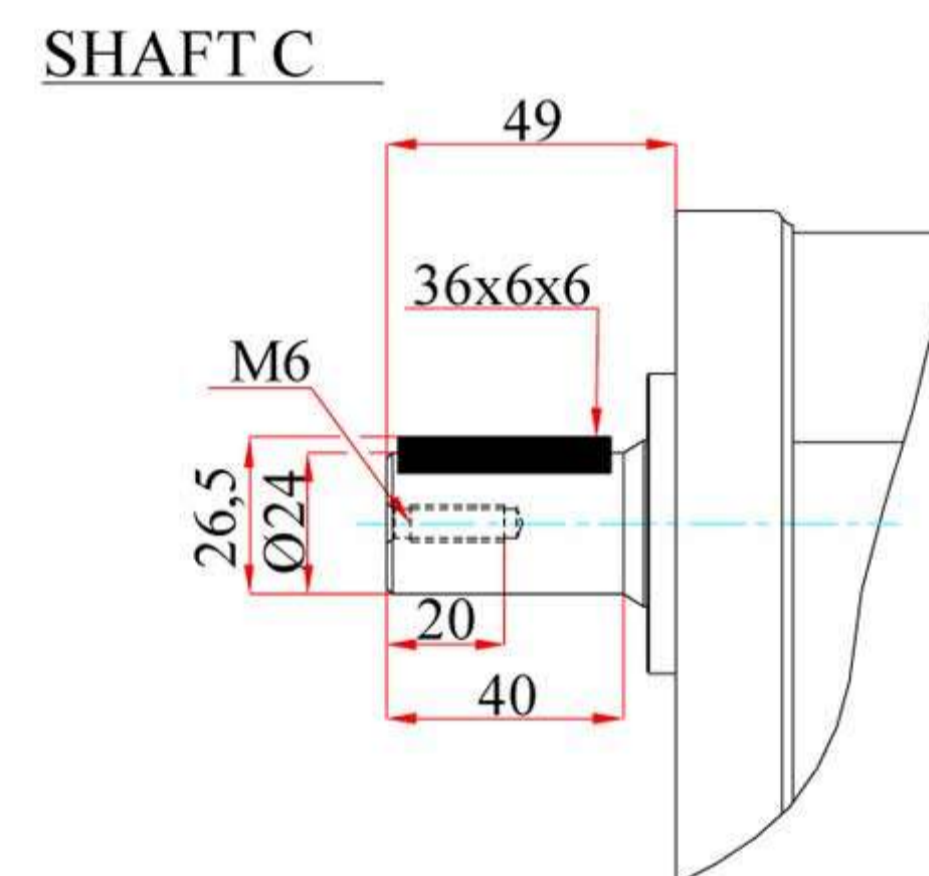


801-1LL...-....(C/CC)10B

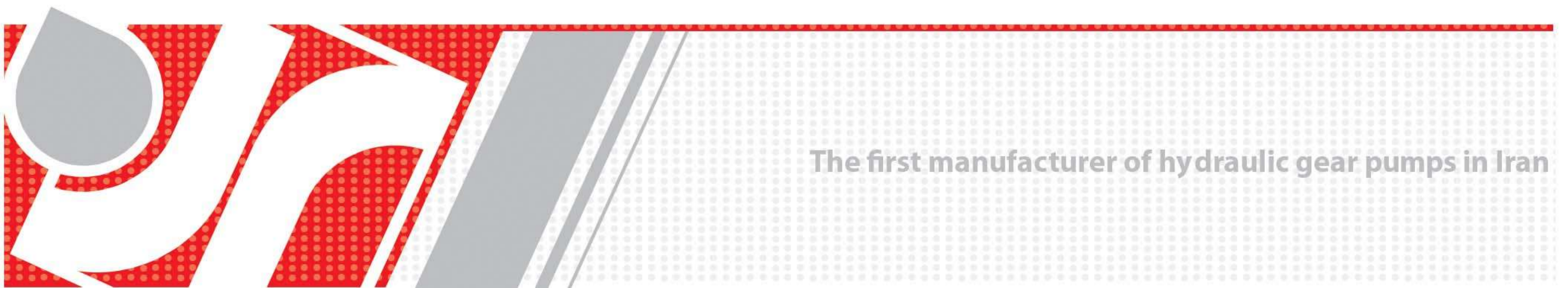
SHAFT E01&C01
OUTLET & INLET B801
FLANGE 10



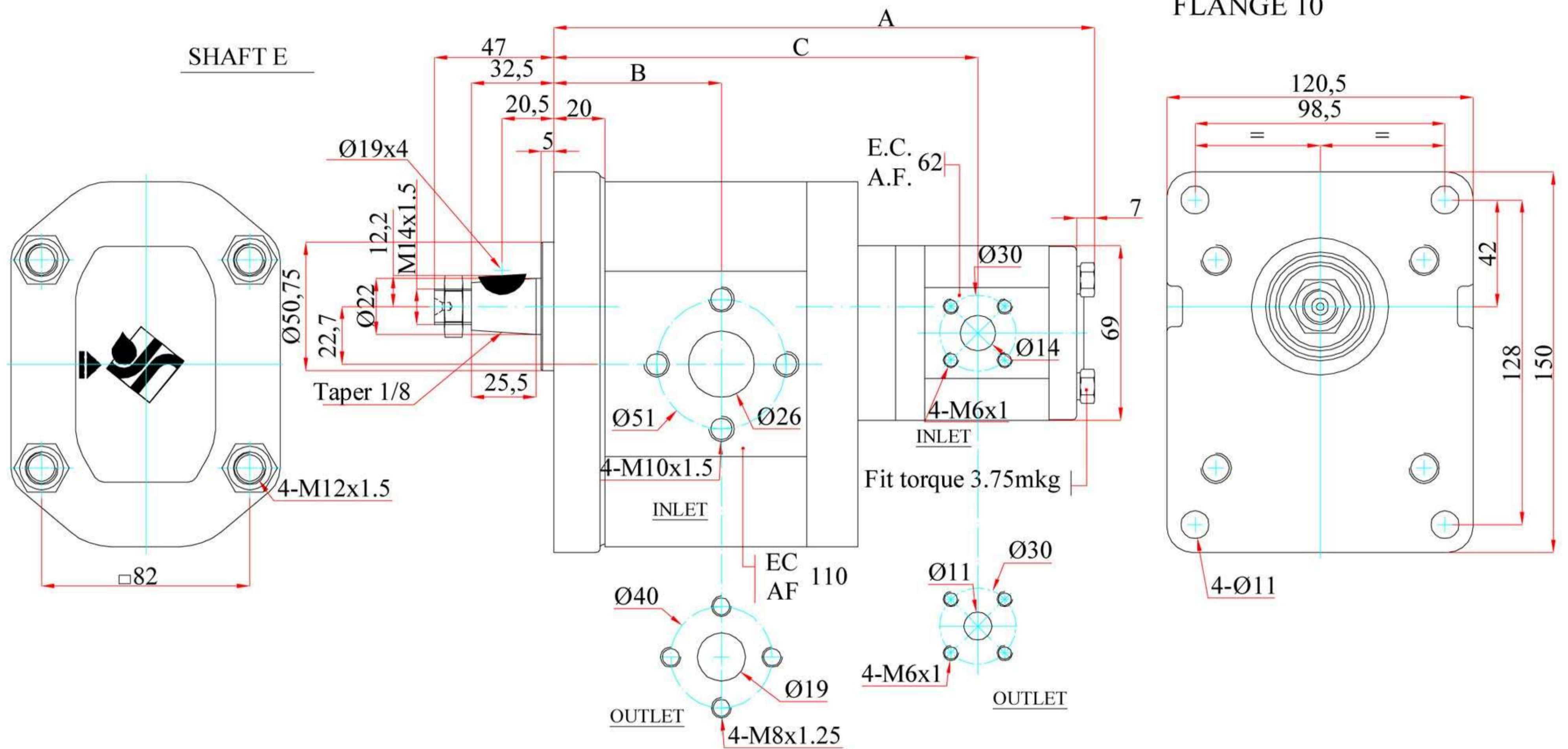
Model	A	B	C
801-1LL36-36C▲10B	262.4	66	195.1
801-1LL45-36C▲10B	267.4	71	200.1
801-1LL45-45C▲10B	272.4		205.1
801-1LL54-36C▲10B	272.4		205.1
801-1LL54-45C▲10B	277.4		210.1
801-1LL54-54C▲10B	282.4		211.6
801-1LL66-36C▲10B	278.9		216.6
801-1LL66-45C▲10B	283.9		221.1
801-1LL66-54C▲10B	288.9		
801-1LL66-66C▲10B	295.4		226.1
801-1LL84-36C▲10B	288.4		
801-1LL84-45C▲10B	293.4		
801-1LL84-54C▲10B	298.4		
801-1LL84-66C▲10B	304.9		
801-1LL84-84C▲10B	314.4		



In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted



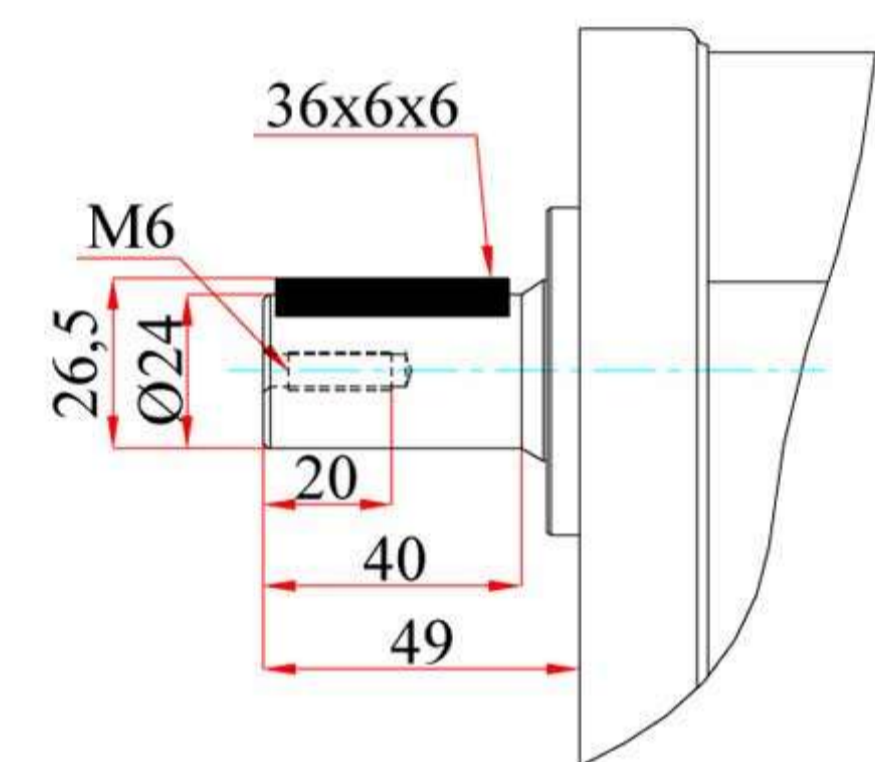
801-1LN...-....(C/CC)10B



SHAFT E01&C01
OUTLET & INLET B801&B101
FLANGE 10

Model	A	B	C	Model	A	B	C
801-1LN36-1.5C▲10B	201.3	66	163.6	801-1LN54-7.5C▲10B	231.9	71	180.1
801-1LN36-3C▲10B	206.4		163.6	801-1LN54-10C▲10B	240.1		185.4
801-1LN36-5C▲10B	213.1		167.1	801-1LN66-1.5C▲10B	217.8		180.1
801-1LN36-7.5C▲10B	221.9		170.1	801-1N66-3C▲10B	222.9		
801-1LN36-10C▲10B	230.1		175.4	801-1PLN66-5C▲10B	229.6		183.6
801-1LN45-1.5C▲10B	206.3		71	168.6	801-1LN66-7.5C▲10B		238.4
801-1LN45-3C▲10B	211.4	172.1		801-1LN66-10C▲10B	246.6	191.9	
801-1LN45-5C▲10B	218.1	175.1		801-1LN84-1.5C▲10B	227.3	189.6	
801-1LN45-7.5C▲10B	226.9	180.4		801-1LN84-3C▲10B	232.4		
801-1LN45-10C▲10B	235.1	173.6		801-1LN84-5C▲10B	239.1	193.1	
801-1LN54-1.5C▲10B	211.3	173.6		173.6	801-1LN84-7.5C▲10B	247.9	196.1
801-1LN54-3C▲10B	216.4			256.1	801-1LN84-10C▲10B	256.1	201.4
801-1LN54-5C▲10B	223.1			177.1			

SHAFT C



In the reversible pumps , threaded ports available R only .both ports same dimension that corresponds to the suction dimension
The drawing above shows a pump turning clockwise .For anti -clockwise rotation sense ;replace C by CC in which case suction and pressure ports shall be inverted

