设计中用到的几个计算公式

1、液压马达的实际输出扭矩：M=0.159（P1−P2）V・η_m(N.m)

式中：P1、P2----------分别为液压马达的入口和出口压力（MPa）
V----------液压马达的排量（ml/r）
η_m----------液压马达机械效率（%）

2、液压马达输出功率

$N=\frac{M.n}{9550}$(kw)　　$N=\frac{q(P_1-P_2)}{60000}\eta_m\eta_v$(kw)

式中：n----------液压马达转速（r/min）
q----------输入液压马达的流量（ml/min）
η_v ----------液压马达容积效率（%）

3、液压马达的转速

$n=\frac{q}{V}\eta_v$(r/min)

Calculation

1、Actual output torque：M=0.159（P1−P2）V・η_m(N.m)

Where：P1、P2----------Inlet and outlet pressure（MPa）
V----------Displacement（ml/r）
η_m----------Mechanical efficiency（%）

2、Output power

$N=\frac{M.n}{9550}$(kw)　　$N=\frac{q(P_1-P_2)}{60000}\eta_m\eta_v$(kw)

Where：n----------Speed（r/min）
q----------Input flow（ml/min）
η_v----------Volumetrical efficiency（%）

3、Speed

$n=\frac{q}{V}\eta_v$(r/min)

注意事项

1、过滤：正常的工业用过滤精度推荐为25微米，对低压、低速或间隙工况时可以允许精度为75微米。
2、粘度：最佳性能应在良好的粘度条件下才能获得，因此马达在大多数工况下，粘度应在15-1000厘范围内，该范围保证满意地工作。
3、首次启动前，必须向液压马达壳体内注满液压油，以防损坏。
4、泄漏：泄油口应单独地与油箱接通，一般壳体允许最大压力为0.1Mpa，用户有特殊要求时，该型马达 可以改进使之壳体能承受3-5Mpa压力。
5、泄油管的最高水平位置应高于马达壳体的最高水平位置，以防马达壳体内的油液排空。
6、液压马达可以任意位置安装，安装马达的支架必须有足够的刚性，安装时应保证液压马达所联接的传动主轴与液压马达的输出轴同心。
7、严格保证联接油口的清洁度，不允许任何固体异物进入。
8、减少液压马达输出轴所受径向、轴向负荷，可以使液压马达寿命延长。
9、该型马达应避免在泵工况下运转。

Note

1. Filtration: the recommended filtration precision for normal industrial use is 25 μ m, and 75 μ m is permitted for low pressure, low speed or intervallic setting.
2. Oil viscosity: the optimum performance could only be obtained under proper oil viscosity between 15-1000cst.
3. Before the first start-up, it must fill hydraulic oil in the hydraulic motor body, to avoid the damage.
4. Leakage: drain port should be connected separately to the tank. Normally the maximum pressure for the motor body is 0.1 Mpa, and it could also be improved to bear 3-5 Mpa, to meet special requirements.
5. The top line of the drain pipe should be higher than that of the motor body, in case empting oil storage.
6. Installation: motor can be installed in any position with rigid support, When installed, shafts of the motor and its transmission should be concentric.
7. Cleanness: Strictly maintain the cleanness of the oil port, and keep any solid particles away.
8. Release both the radial and axial loads of the output shaft to enable longer life of the motor.
9. DM motor could not work as a pump.

型号说明 Description of model

DM | 1 | 63 | B | D31 | 72°

丹顿系列曲轴连杆式低速大扭矩液压马达
Dan Dun crankshaft and connecting rod low speed high torque hydraulic motor

系列
Series

名义排量（ml/r）
Nominal displacement(ml/r)

输出轴形式
1、无字母表示标准矩形花键轴（以外径定心）
2、B表示平键轴：注脚数字表示同BM型摆线液压马达或其他品牌对应型号安装尺寸相同（带过渡法兰板）。
3、D表示安装联接尺寸与昆山液压件厂1JMD型同排量液压马达相同。
4、I 表示内花键轴（以内径定心）：注脚数字表示与QJM系列安装尺寸相同（带过渡法兰板）。
5、GM, SI表示安装尺寸与意大利SAI公司生产的M系列、L系列、GM系列液压马达相同，注脚数字表示不同种类安装尺寸。

Form of output shaft
1. no letter---standard rectangular spline shaft (the center is up to exterior diameter).
2. B---Flat key shaft: Footnote number ---the installation dimension is the same as BM motors series model (with flange).
3. D---installation dimension is the same as 1JMD series motors of the same displacement (KunShan HYD element plant).
4. I---internal spline shaft(the center is up to interior diameter). Footnote number---the installation dimension is the same as QJM series motors(with flange).
5. GM,SI indicates the installation dimension is the same as M series, L series, GM series of ITALY SAI company. Footnote number ---different kinds of installation dimension.

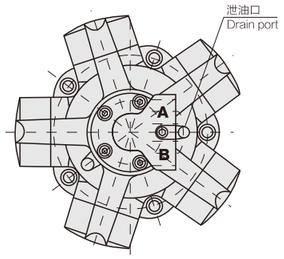
* 未写明表示马达安装孔位置与样本中图示一致
*“左偏”表示在无法兰连接的情况下其中一个安装孔在正下方(即马达安装时的两只角朝下)
*“右偏”表示在无法兰连接的情况下其中一个安装孔在正上方(即马达安装时的一只角朝下)
* Omit-mounting hole position, same as illustrated
* "Left deviation" indicates that one mounting hole is right below it when there is no flange. (I.e.: two corners face downward when installing the motor.)
* "Right deviation" indicates that one mounting hole is right above it when there is no flange. (I.e.: one corners face upward when installing the motor.)

配油器种类，订货时若不注明，则按标准配置（见各系列马达安装联接尺寸图）如有特殊需要，请参见48-53页，并在订货时注明。

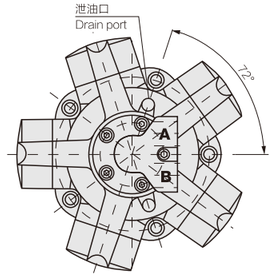
Oil distribution casing type: it will be configured with standard casing if there is no special requirement marked in the ordering. If you have special requirements, please mark your requirements in the order.

“左偏”“右偏”只适用于DM2~DM11系列马达，且进出油口处水平位置（与图示一样）
"Left deviation" and "Right deviation" are only applicable for DM2-DM11 series of motors, and oil inlet and outlet are horizontal. (Same as illustrated)

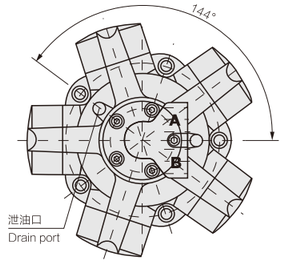
DM液压马达安装示意图 DM hydraulic motor install chart



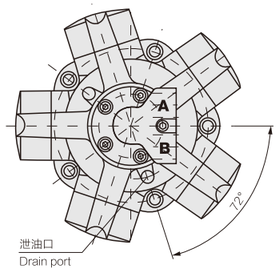
0° 位置安装



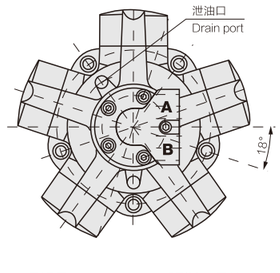
顺转72° 位置安装（标装安装）



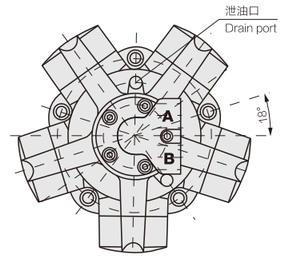
顺转144° 位置安装



逆转72° 位置安装

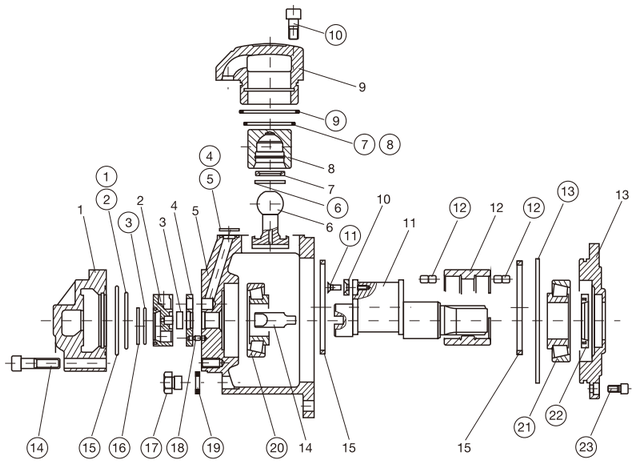


只适用于DM1-DM11系列液压马达
左偏18° 安装：马达的进出油口水平，
其中一个安装孔在正下方的安装方式。



顺转90° 位置安装

DM液压马达结构图 DM hydraulic motor structure chart



序号 NO.	零件名称 Name	序号 NO.	零件名称 Name
①	密封环 Seal	⑬	“O”型圈 “O” Ring
②	“O”型圈 “O” Ring	⑭	内六角螺钉 Soket head cap screws
③	“O”型圈 “O” Ring	⑮	“O”型圈 “O” Ring
④	密封环 Seal	⑯	密封环 Seal
⑤	“O”型圈 “O” Ring	⑰	堵头 Oil stopper
⑥	孔用弹性挡圈 Cirelips for holes	⑱	定位圆柱梢 Parallel pin
⑦	密封环 Cylinde seal	⑲	组合垫圈 Washer
⑧	“O”型圈 “O” Ring	⑳	后轴承 Bearing
⑨	“O”型圈 “O” Ring	㉑	前轴承 Bearing
⑩	内六角螺钉 Soket head cap screws	㉒	油封 Shaft seal
⑪	十字槽螺钉 Cross recessed head screws	㉓	内六角螺钉 Soket head cap screws
⑫	滚柱 Rollers		

序号 NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
零件名称 Name	通油盘 Distributor	配油盘 Oil pan	定位环 Bush	垫块 Disc	壳体 Motor body	连杆 Link rod	挡圈 Check ring	柱塞体 Piston	柱塞套 Oyl inder	滚柱封块 Press board for rollers	曲轴 Shaft crank	轴承套 Support ring	封盖 Flange	双头键 Drive pin	卡环 Retaining ring

技术参数 Technical data

型 号 Model	排量 Displacement	额定压力 Rated Pressure	尖峰压力 Peak Pressure	额定扭矩 Rated Torque	单位理论扭矩 Theoric Specific Torque	转速范围 Speed Range	重量 Weight
	ml/r	Mpa	Mpa	N.m	N.m/Mpa	r/min	kg
DM1-63	64	16	22	150	9	15-650	21
DM1-80	78	16	20	183	11	15-600	
DM1-100	96	16	20	225	14	15-550	
DM1-125	126	16	20	295	18	15-500	
DM1-160	159	14	18	326	23	15-500	
DM1-200	196	14	18	401	29	15-500	
DM2-100	113	16	20	264	17	10-500	28
DM2-150	159	16	20	372	23	10-500	
DM2-175	180	16	20	421	26	10-450	
DM2-200	206	16	20	482	30	8-450	
DM2-250	235	14	18	481	34	8-400	
DM2-280	276	14	18	565	40	8-400	
DM3-175	181	16	20	424	26	8～550	35
DM3-200	201	16	20	470	29	8～550	
DM3-250	254	16	20	594	37	8～520	
DM3-300	289	16	20	676	42	8～450	
DM3-350	340	14	18	696	50	6～400	
DM3-400	380	14	18	778	56	6～350	
DM6-400	397	16	20	939	59	5～450	58
DM6-450	452	16	20	1069	67	5～400	
DM6-500	491	16	20	1162	73	5～400	
DM6-600	594	16	20	1405	88	5～380	
DM6-700	683	16	20	1616	101	5～350	
DM6-750	754	14	18	1561	111	5～320	
DM8-600	617	16	20	1444	90	5～320	72
DM8-700	710	16	20	1662	104	5～320	
DM8-800	810	14	20	1659	118	5～300	
DM8-900	889	14	20	1821	130	5～300	
DM8-1000	1000	12	18	1755	146	5～280	

DM系列/ DM Series

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技术参数 Technical data

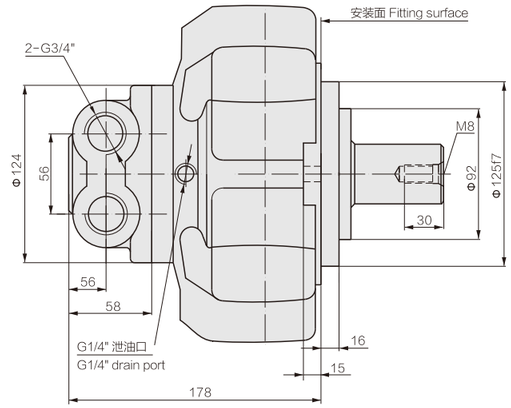
型 号 Model	排量 Displacement	额定压力 Rated Pressure	尖峰压力 Peak Pressure	额定扭矩 Rated Torque	单位理论扭矩 Theoric Specific Torque	转速范围 Speed Range	重量 Weight
	ml/r	Mpa	Mpa	N.m	N.m/Mpa	r/min	kg
DM11−700	701	16	20	1659	104	5～300	95
DM11−800	782	16	20	1850	116	5～300	
DM11−900	894	16	20	2115	132	5～300	
DM11−1000	981	16	20	2321	145	5～300	
DM11−1100	1104	16	20	2612	163	5～280	
DM11−1200	1234	14	18	2555	182	5～260	
DM11−1300	1301	14	18	2693	192	5～250	
DM16−1400	1413	16	20	3307	207	5～250	170
DM16−1600	1648	16	20	3857	241	5～240	
DM16−1800	1815	16	20	4248	265	5～220	
DM16−2000	2035	14	18	4168	298	5～220	
DM16−2400	2408	14	18	4931	352	5～200	
DM31−2500	2553	16	20	5975	373	5～200	298
DM31−2800	2683	16	20	6280	392	5～200	
DM31−3000	3063	16	20	7169	448	5～180	
DM31−3150	3218	16	20	7532	471	5～180	
DM31−3500	3461	16	20	8100	506	5～160	
DM31−4000	4153	16	20	9720	608	5～160	
DM31−4500	4522	14	18	9261	661	5～150	
DM31−5000	4828	14	18	9887	706	5～130	
DM70−4600	4604	16	20	10776	673	5～130	550
DM70−5000	4946	16	20	11576	724	5～125	
DM70−5400	5452	16	20	12760	798	5～125	

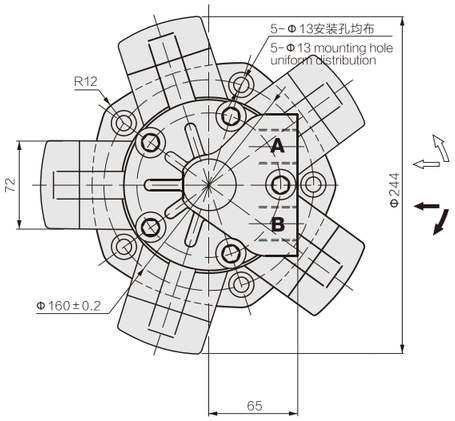
DM1系列/ DM1 Series

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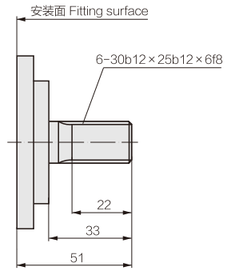
DM1−63~200 外形尺寸 Dimension

进出油口为D31的安装尺寸 / With D31 Distributor

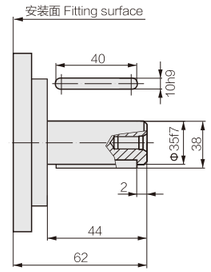




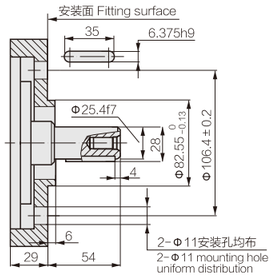
标准外花键：DM1−**
External spline



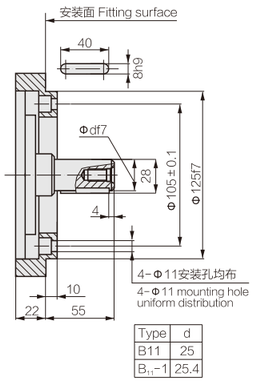
标准平键：DM1−**B
Flat key



标准内花键：DM1−B_3**
Internal spline

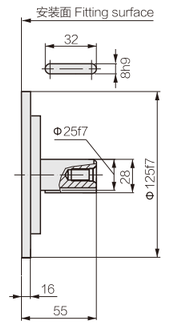


DM1−B_{11} B_{11}−1**

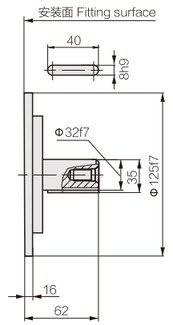


Type	d
B11	25
B_{11}−1	25.4

DM1−B_{28}**

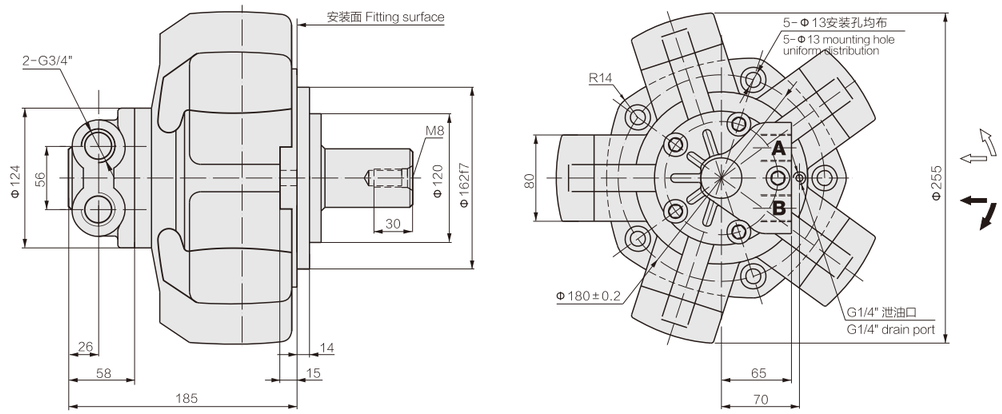


DM1−B_{31}**

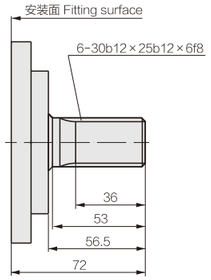


DM2-100~280 外形尺寸 Dimension

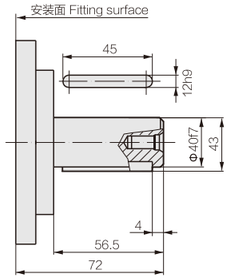
进出油口为D31的安装尺寸 / With D31 Distributor



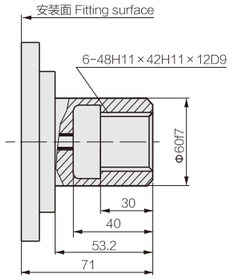
标准外花键：DM2-**
External spline



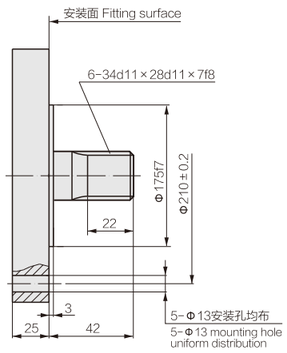
标准平键：DM2-B**
Flat key



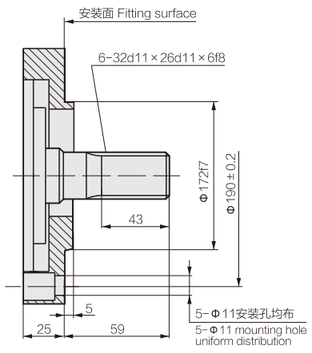
标准内花键：DM2-I**
Internal spline



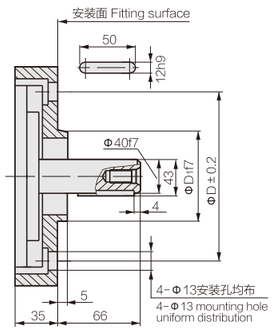
DM2-SL_1**



DM2-H_1**

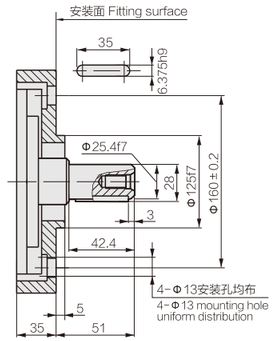


DM2-B_1、B_2**

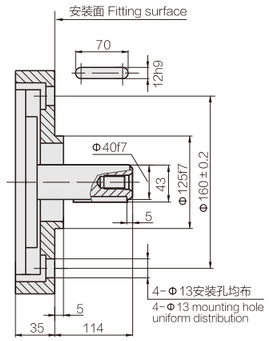


Type	D	D1
B_1	160	125
B_2	127	100

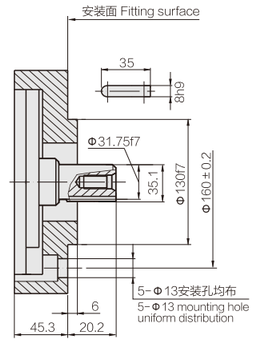
DM2-B_3**



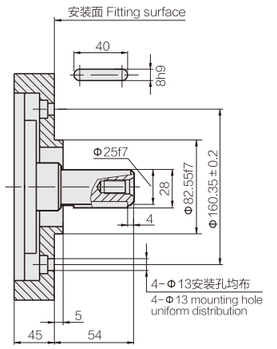
DM2-B_5**



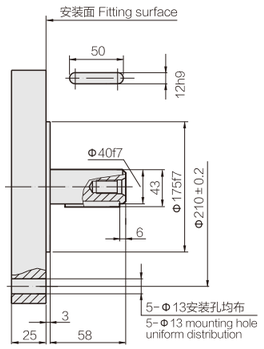
DM2-B_{14}**



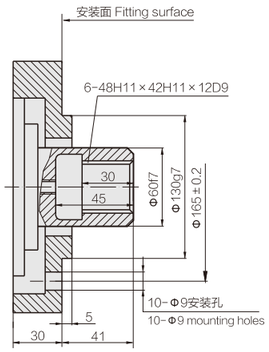
DM2-B_{24}**

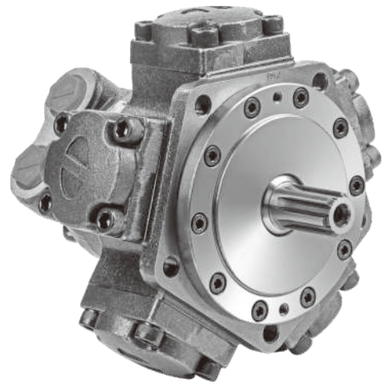


DM2-B_{43}**



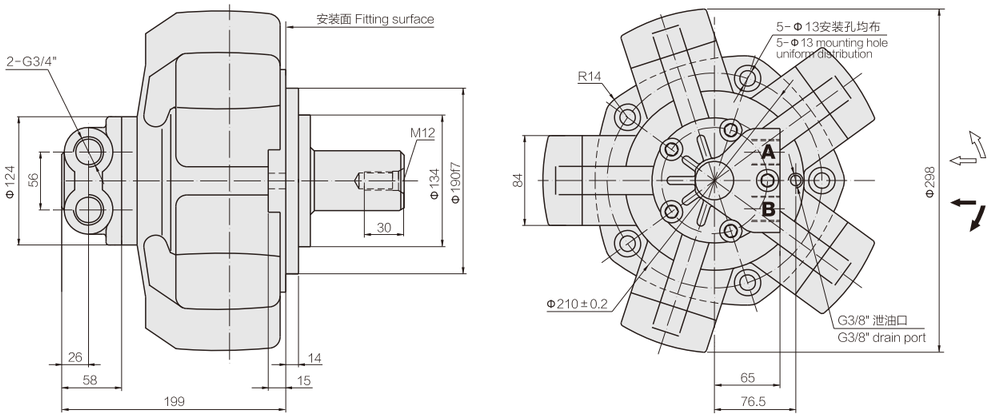
DM2-I_{01}、I_{02}**



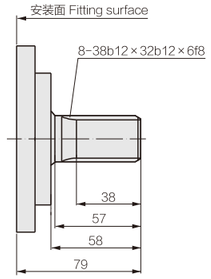


DM3-175~400 外形尺寸 Dimension

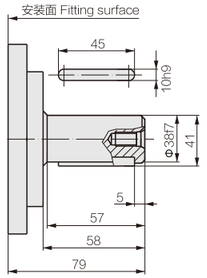
进出油口为D31的安装尺寸 / With D31 Distributor



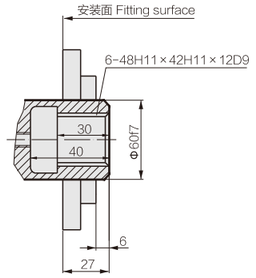
标准外花键：DM3-**
External spline



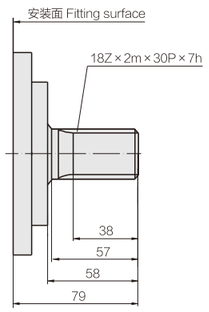
标准平键：DM3-B**
Flat key



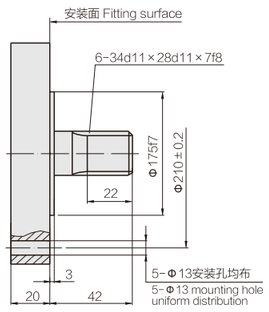
标准内花键：DM3-I**
Internal spline



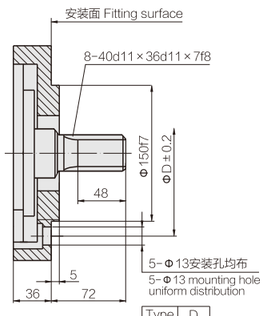
渐开线花键DM3-A**
Involute spline



DM3-SL_1**



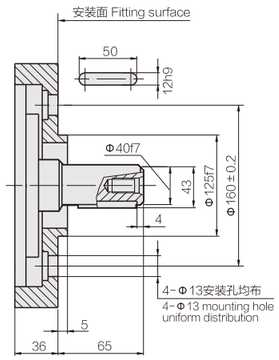
DM3-SL_2、SL_3**



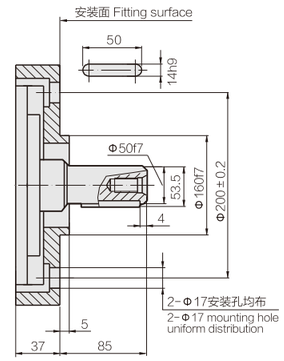
Type	D
SL_2	195
SL_3	250

DM3系列/ DM3 Series
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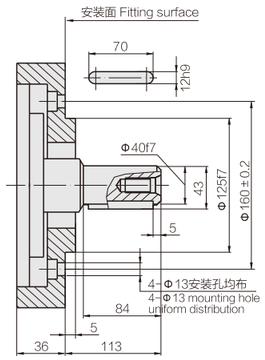
DM3-B_1**



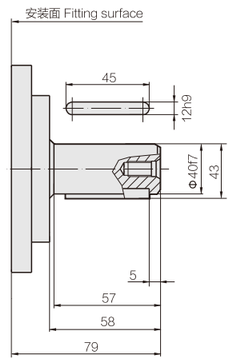
DM3-B_2**



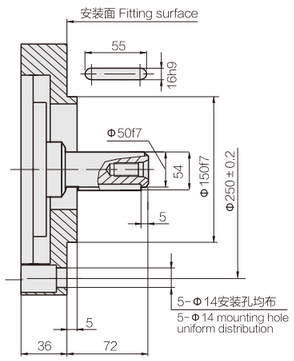
DM3-B_5**



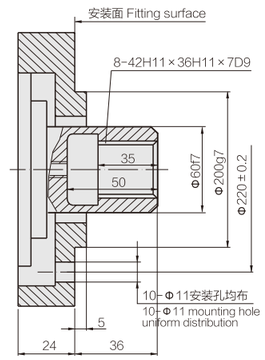
DM3-B_{32}**

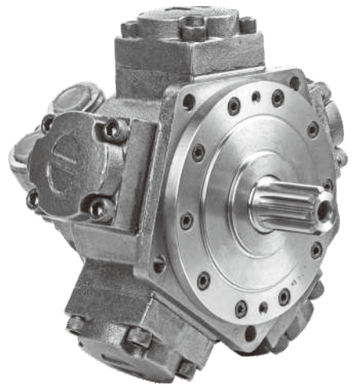


DM3-B_{44}**



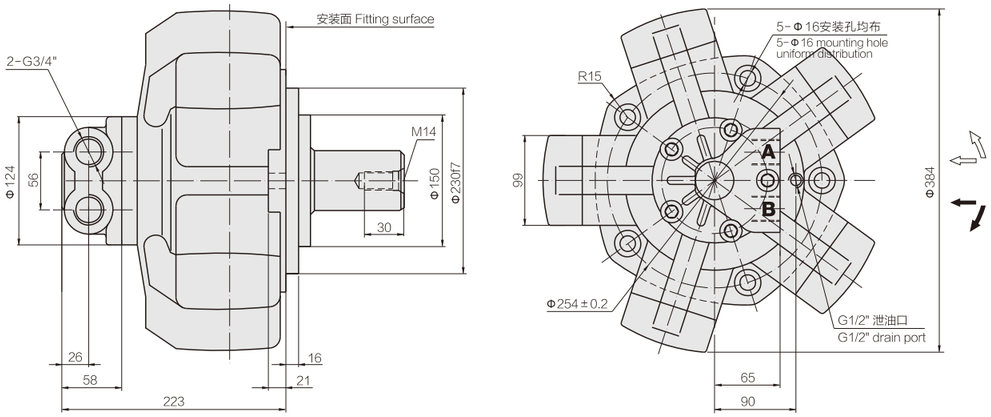
DM3-I_{1A1}**



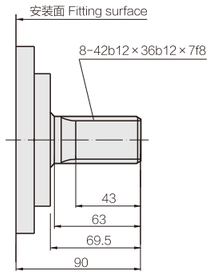


DM6-400~750 外形尺寸 Dimension

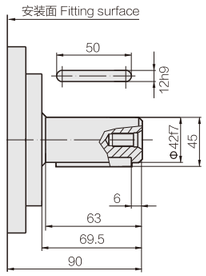
进出油口为D31的安装尺寸 / With D31 Distributor



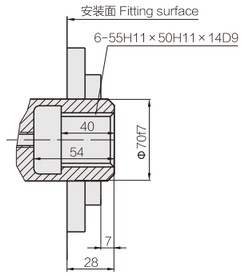
标准外花键：DM6-**
External spline



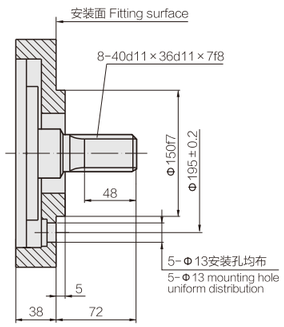
标准平键：DM6-B**
Flat key



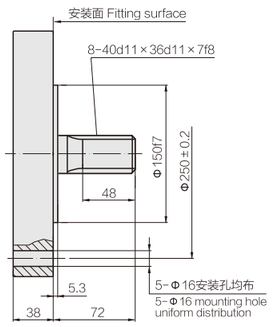
标准内花键：DM6-I**
Internal spline



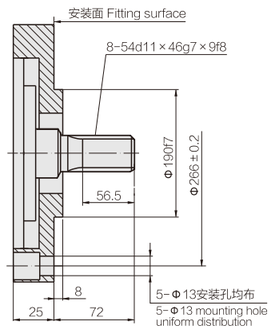
DM6-SL_2**



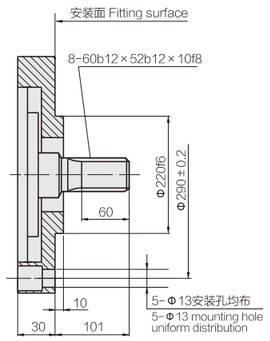
DM6-SL_3**



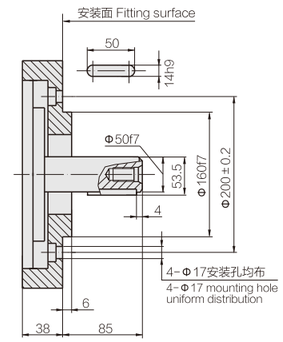
DM6-N**



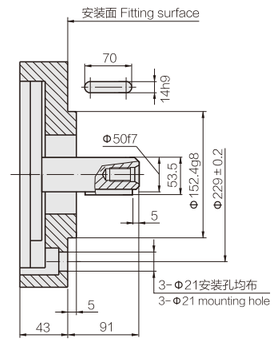
DM6-N_1**



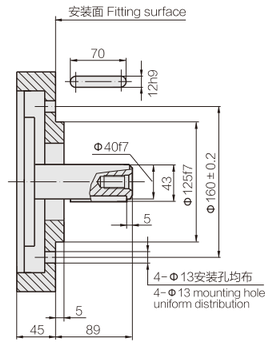
DM6-B_2**



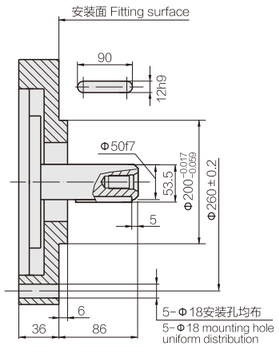
DM6-B_4**



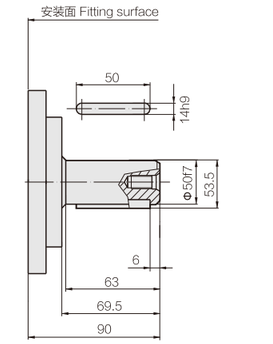
DM6-B_5**



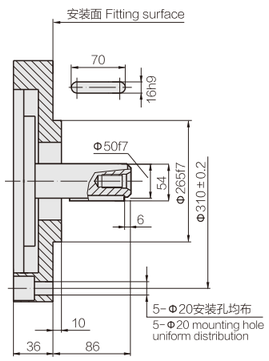
DM6-B_{13}**



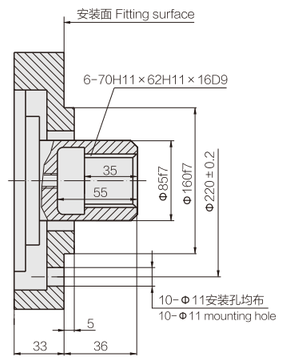
DM6-B_{33}**

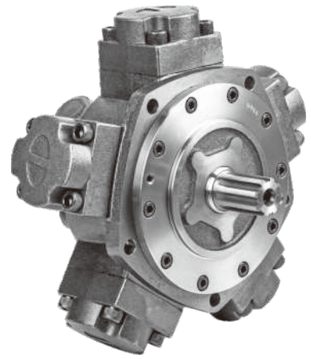


DM6-B_{45}**



DM6-I_{11}**



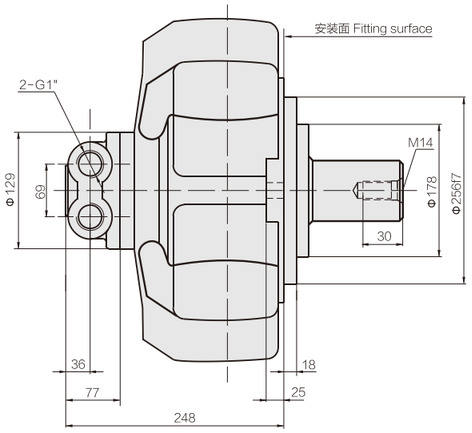


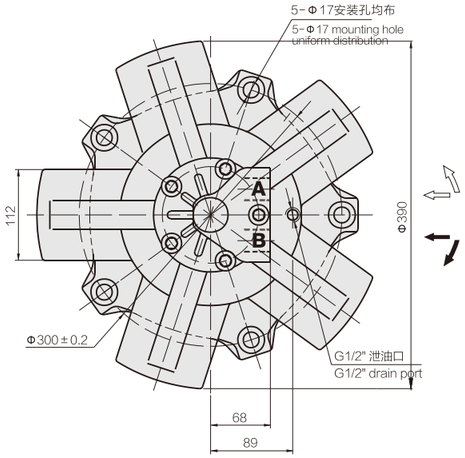
DM8系列/ DM8 Series

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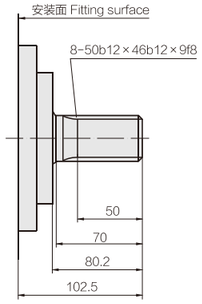
DM8-600~1000 外形尺寸 Dimension

进出油口为D40的安装尺寸 / With D40 Distributor

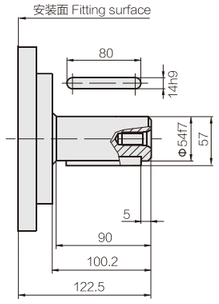




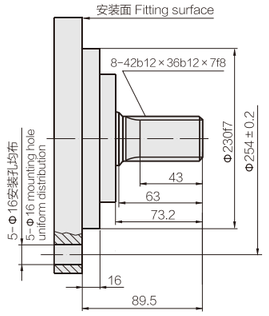
标准外花键：DM8-**
External spline



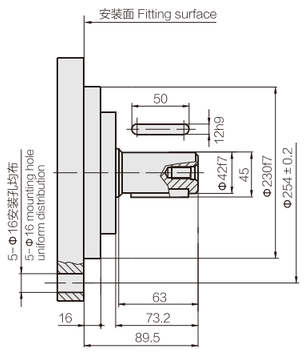
标准平键：DM8-B**
Flat key



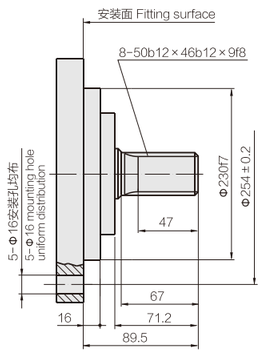
DM8-6M**



DM8-6MB**



DM8-a2**



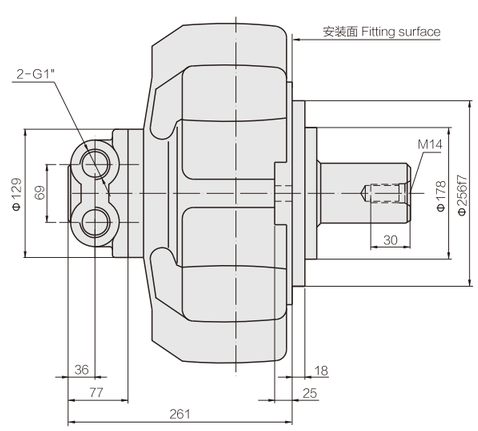


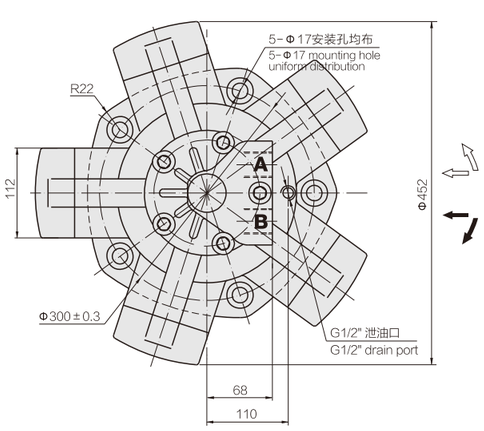
DM11系列/ DM11 Series

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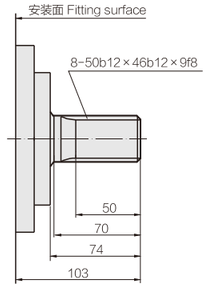
DM11-700~1300 外形尺寸 Dimension

进出油口为D40的安装尺寸 / With D40 Distributor

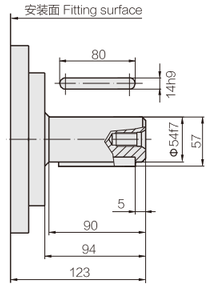




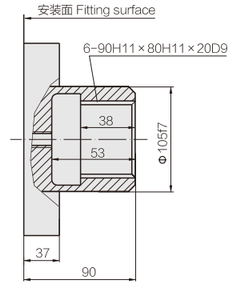
标准外花键：DM11-**
External spline



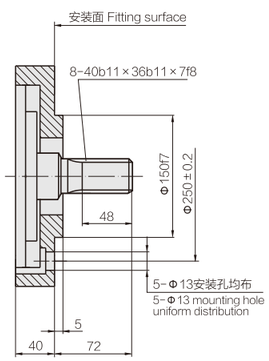
标准平键：DM11-B**
Flat key



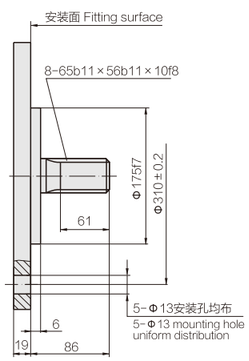
标准内花键：DM11-I**
Internal spline



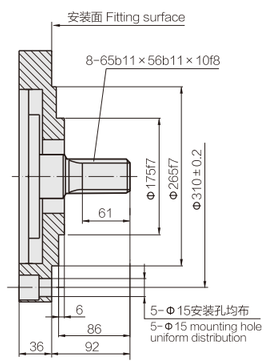
DM11-SL$_3$**



DM11-SL$_4$**



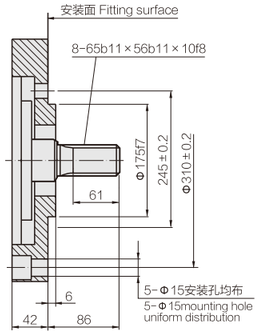
DM11-SL$_5$**



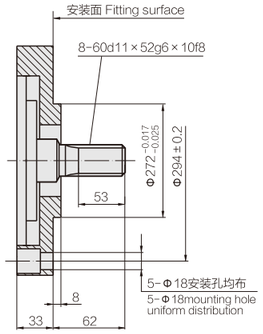
DM11系列/ DM11 Series

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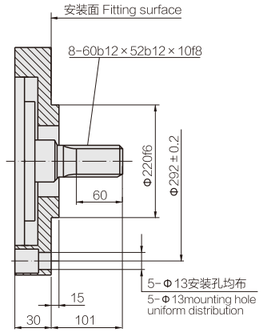
DM11−**SM$_4$



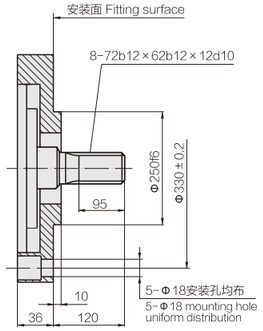
DM11−**N



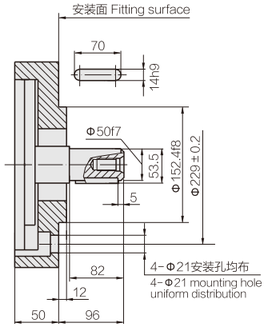
DM11−**N$_1$



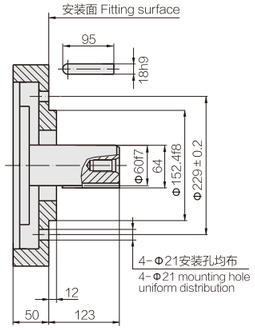
DM11−**K



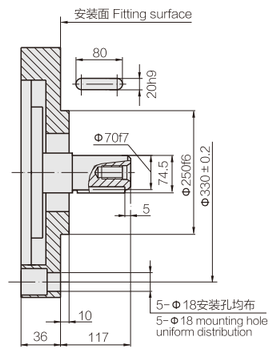
DM11−**B$_4$



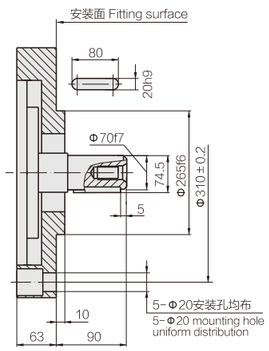
DM11−**B$_6$



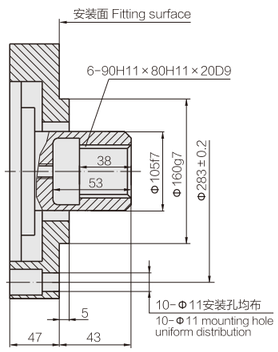
DM11−**B$_{35}$



DM11−**B$_{46}$



DM11−**I$_{21}$

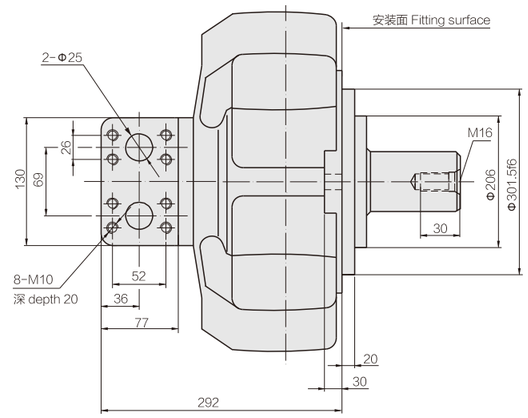


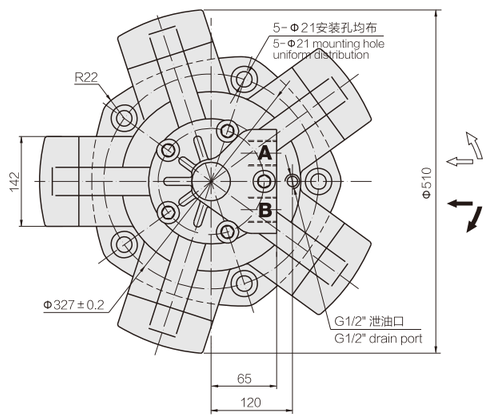
DM16系列/ DM16 Series

专业铸就品质!
Cast of professional quality!

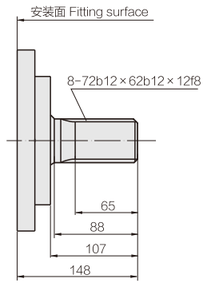
DM16−1400~2400 外形尺寸 Dimension

进出油口为D47的安装尺寸 / With D47 Distributor

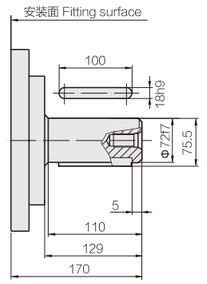




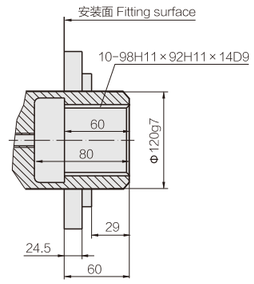
标准外花键：DM16−**
External spline



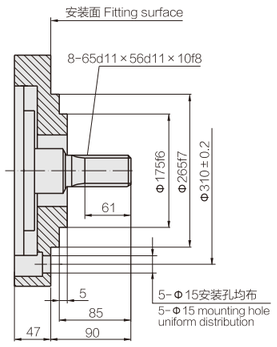
标准平键：DM16−B**
Flat key



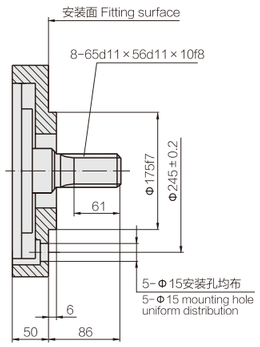
标准内花键：DM16−I**
Internal spline



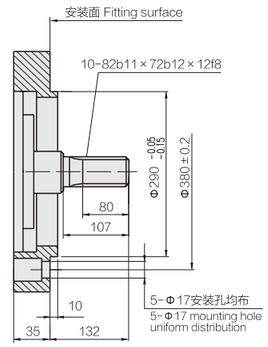
DM16−**SL$_5$



DM16−**SM$_4$



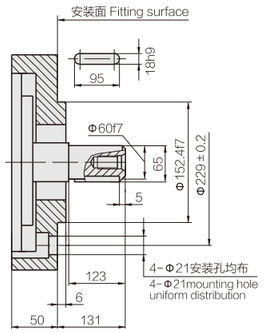
DM16−**N



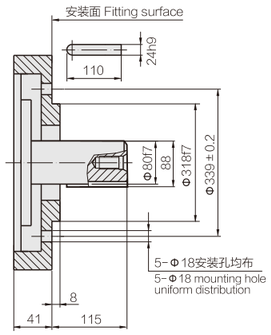
DM16系列/ DM16 Series

专业铸就品质!
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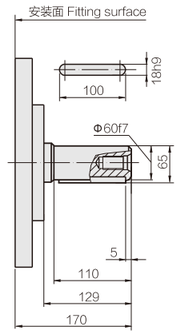
DM16−**B_6



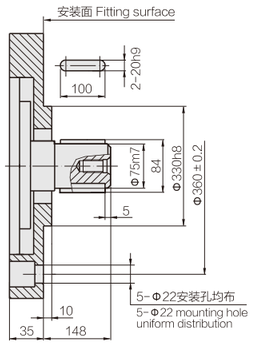
DM16−**B_{17}



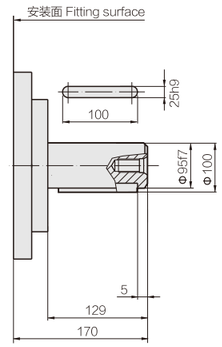
DM11−**B_{19}



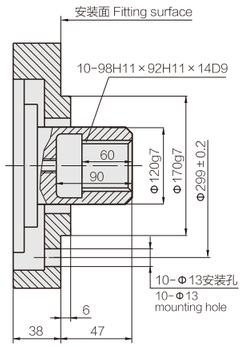
DM16−**D



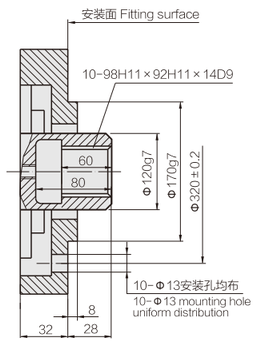
DM16−**B_{30}

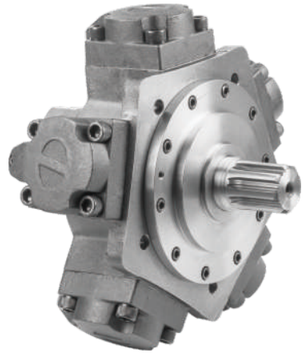


DM16−**I_{32}



DM16−**I_{42}



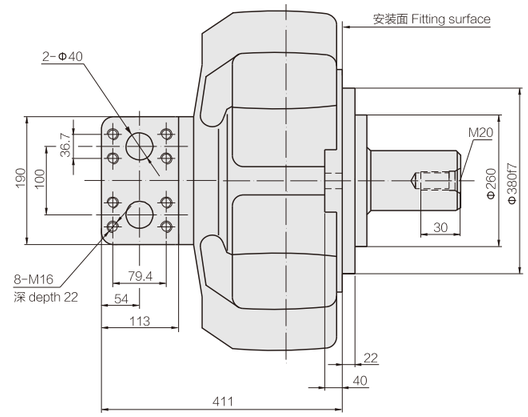


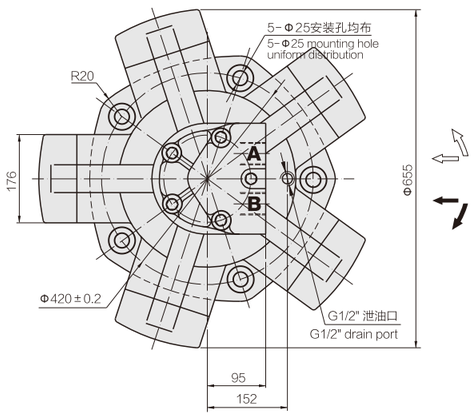
DM31系列/ DM31 Series

专业铸就品质!
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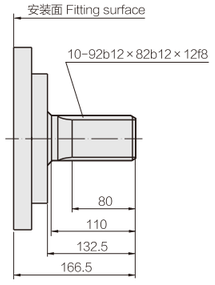
DM31−2500~5000 外形尺寸 Dimension

进出油口为D90的安装尺寸 / With D90 Distributor

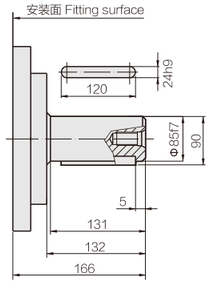




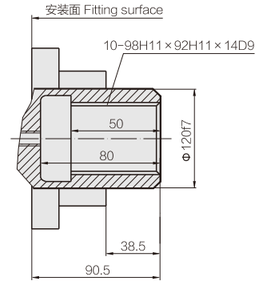
标准外花键：DM31−**
External spline



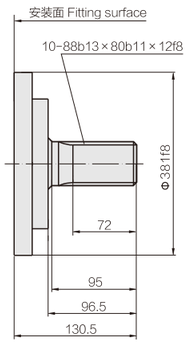
标准平键：DM31−**B
Flat key



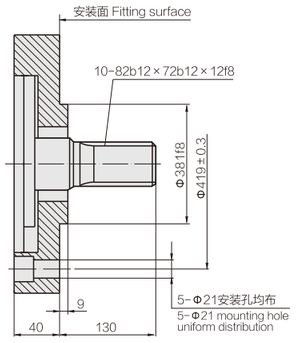
标准内花键：DM31−**I
Internal spline



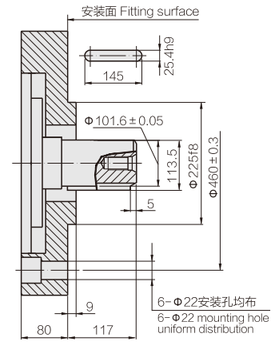
DM31−**SL_7



DM31−**NST



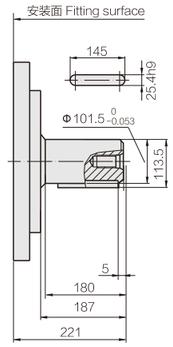
DM31−**B_8



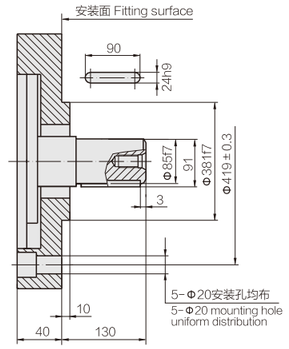
DM31系列/ DM31 Series

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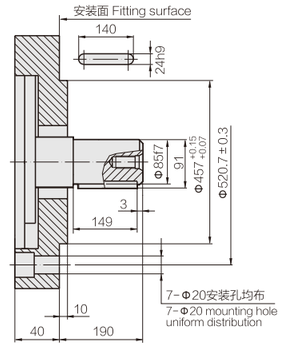
DM31−**B_{10}



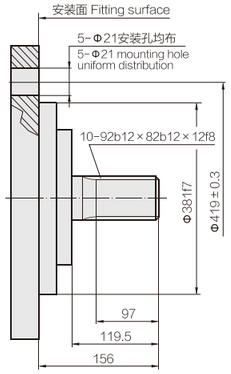
DM31−**B_{21}



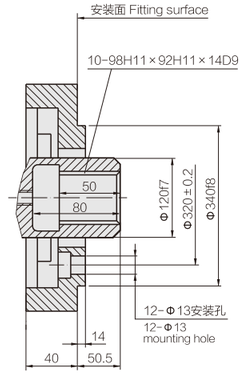
DM31−**B_{22}



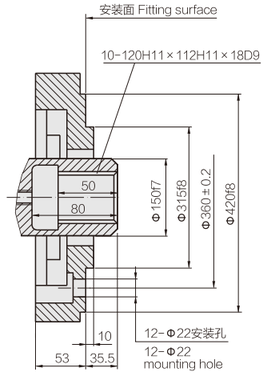
DM31−**H6



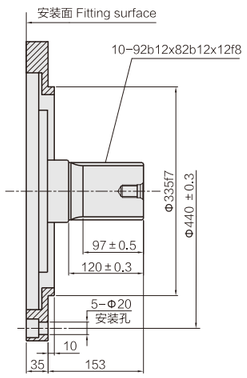
DM31−**I_{532}

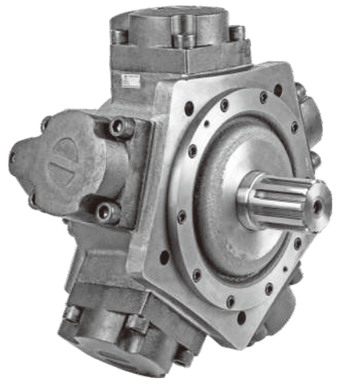


DM31−**I_{52}



DM31−**N



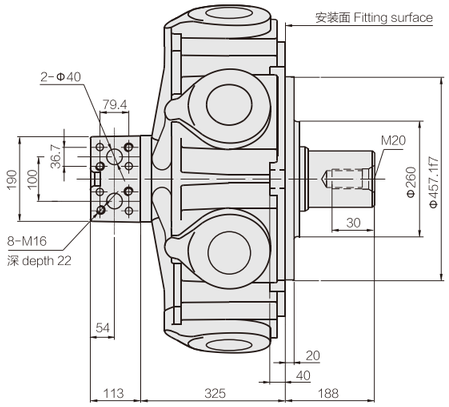


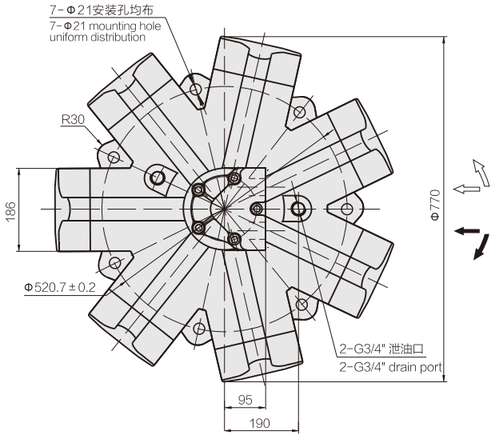
DM70系列/ DM70 Series

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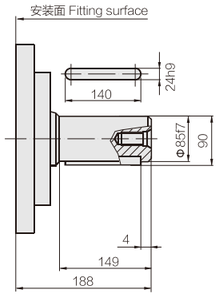
DM70−5000~7000 外形尺寸 Dimension

进出油口为D90的安装尺寸 / With D90 Distributor

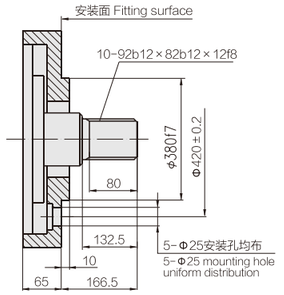




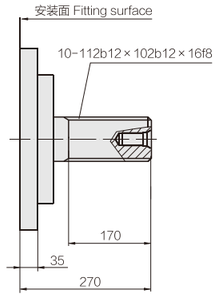
标准平键：DM70−**B
Flat key



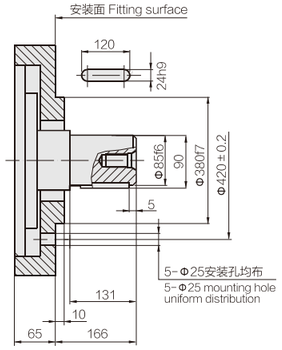
DM70−**a_1



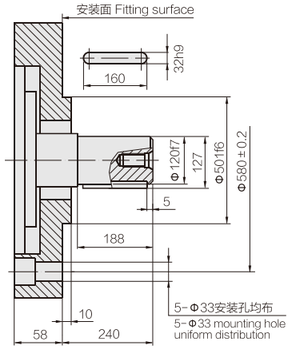
DM70−**a_3



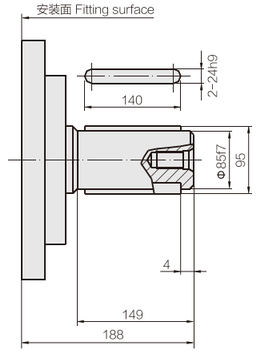
DM70−**B_1



DM70−**B_2



DM70−**BC



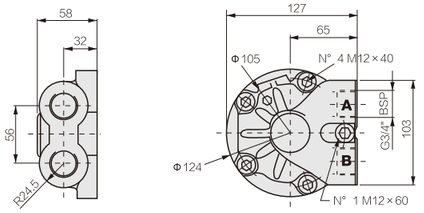
液压马达配流器
Hydraulic motors distributors

专业铸就品质！
Cast of professional quality!

D31
D31通油盘，油孔为G3/4"
D31 distributor with 3/4" ports.

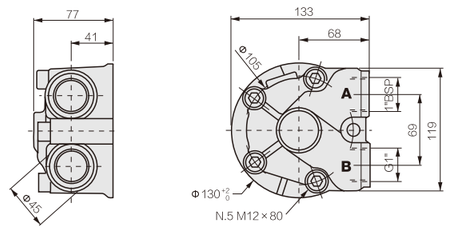
D310
与D31相同，油口为 G1"
重量: 4kg

Is the same as D31, oil port is G1"
Weight：4kg



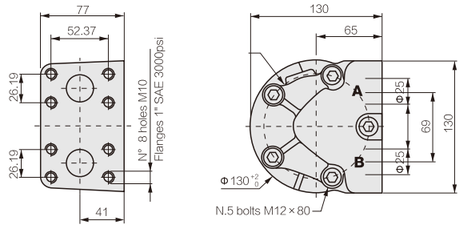
D40
标准配置用通油盘。
重量：5kg

Standard distributor for motors.
Weight：5kg



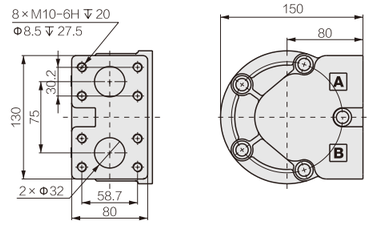
D47
油孔为Φ25 的法兰连接通油盘。
重量: 6kg

Distributor with SAE 1" 3000 psi flanges.
Weight：6kg



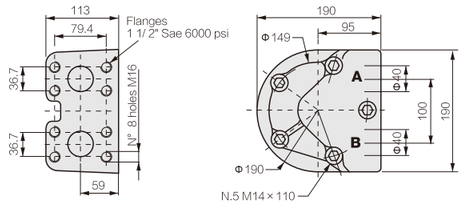
D75
油孔为Φ32的法兰连接通油盘
重量: 7 kg

Distribution with SAE 1-1/4" Flanges
Weight：7kg



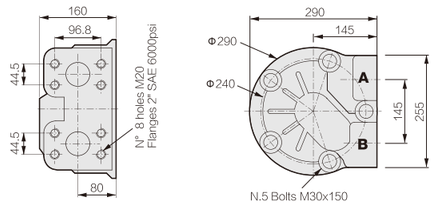
D90
DS6，DM31 系列标准通油盘。
重量: 14.5kg

Standard distributor for DS6, DM31 series motors.
Weight：14.5kg



D250
大流量通油盘
重量: 50kg

High flow distributor
Weight：50kg

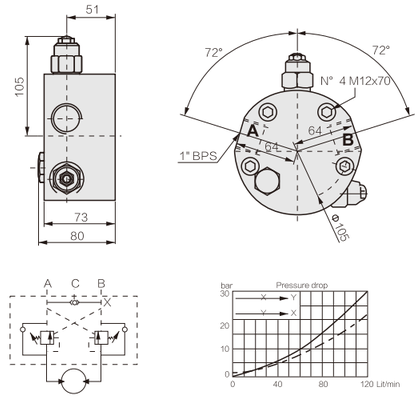


集成式液压配流器
Distributors with integration valve block

专业铸就品质！
Cast of professional quality!

D503
带有双向平衡阀和高压梭阀（C）的通油盘
最大流量120 lit/min
调节比 10: 1
最大压力 265 bar
压力设定=1.3x工作压力
压力设定范围从100bar 到350bar
B口背压可能对阀的作用产生不利影响
重量：5kg

Distributor with double overcentre valve and high pressure pilot line(C)
Max flow 120 lit/min
Pilot ratio 10:1
Max pressure 265 bar.
Pressure setting=1.3x working pressure.
Press.Setting range 100 to 350 bar
Back-pressure in port B may adversely affect operation of the valve
Weight: 5kg

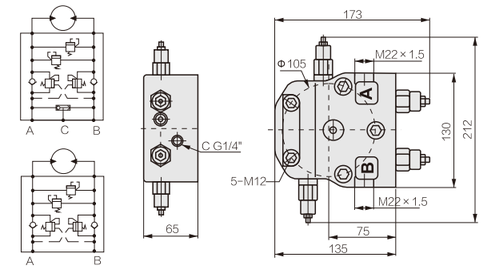


D60221
双向过载阀，双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional overload valve
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min

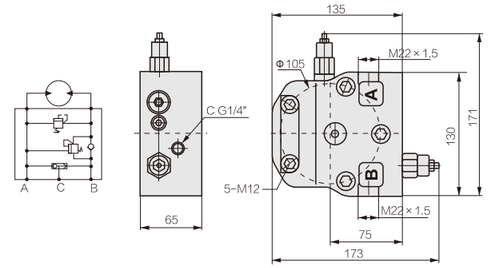
D6022
带双向过载阀，双向平衡阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



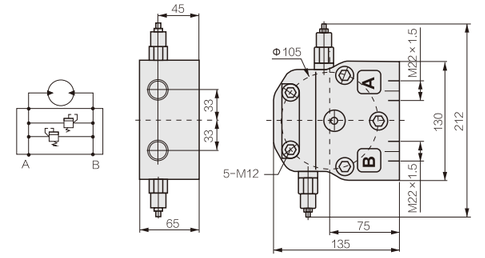
D60111
单向过载阀、单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D6002
双向过载阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional overload valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D602

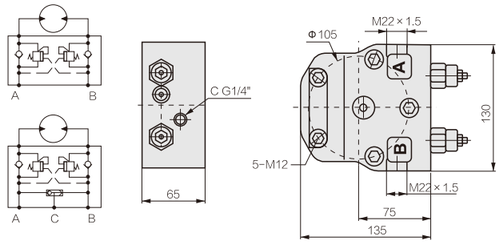
双向平衡阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min

D60201

双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D601

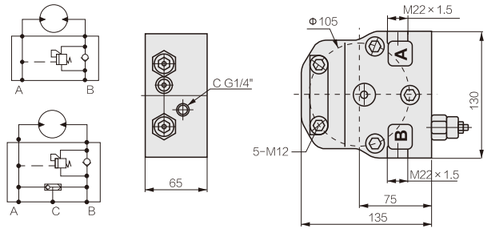
单向平衡阀
最高设定压力35MPa
最大流量为60L/min

Single counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min

D60101

单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 60L/min



D60L

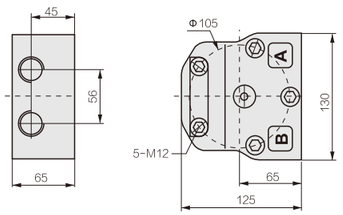
A、B油口为G3/4"
额定压力为32MPa
额定流量为100L/min
(相当于D31)

The diameter of port A and port B is G3/4"
Rated pressure is 32MPa
Rated flow is 100L/min
(Equal to D31)

D60LG

A、B油口为M27×2
额定压力为32MPa
额定流量为100L/min

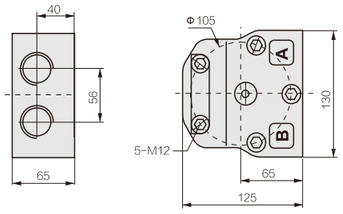
The diameter of port A and port B is M27×2
Rated pressure is 32MPa
Rated flow is 100L/min



D60L0

A、B油口为G1"
额定压力为32MPa
额定流量为100L/min
(相当于D310)

The diameter of port A and port B is G1"
Rated pressure is 35MPa
Rated flow is 100L/min
(Equal to D310)



D120221

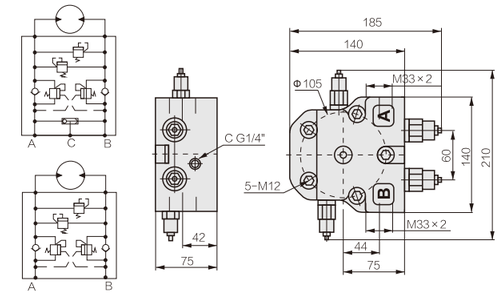
双向过载阀，双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

Bidirectional overload valve
Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min

D12022

带双向过载阀，双向平衡阀
最高设定压力35MPa
最大流量为120L/min

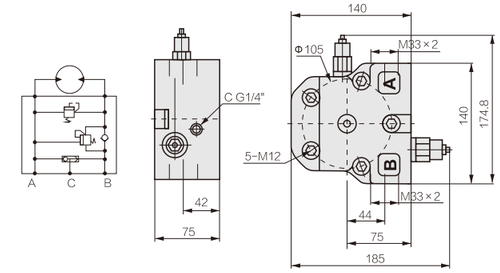
Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D120111

单向过载阀、单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

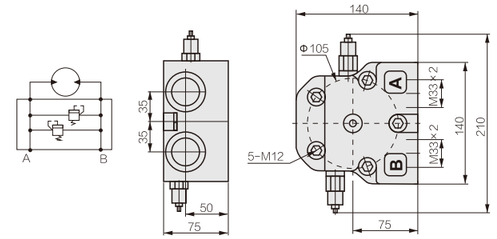
Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D12002

双向过载阀
最高设定压力35MPa
最大流量为120L/min

Bidirectional overload valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D1202

双向平衡阀
最高设定压力35MPa
最大流量为120L/min

Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min

D120201

双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min

