产品标识说明/ Ordering Code



普林斯（BLINCE）摆缸曲轴式径向柱塞马达代号
BLINCE(blince)tilt cylinder crankshaft type radial piston motor

基型
(不同排量同一基型其安装尺寸相同)
Series
(the same series have the same figuration and volume)

名义排量（ml/r）
Theoretical displacement (ml/r)

配流器型号，订货时若不注明，则按标准配，如有特殊需要，请在订货时注明。
Oil distribution casing type: it will be configured with standard casing if no special requirement is marked in order during ordering. If you have special requirements, please mark your requirements in the order.

输出轴连接形式（订货时必须注明）
无字母表示矩形花键轴、
A表示渐开线花键轴、
B表示平键轴、
I表示内花键轴

Form of output shaft (please mark out the form in the order)
If there is no letter, it refers to rectangular spline shaft
A means involute spline shaft
B means flat key shaft
I means internal spline shaft

型号举例/ Example of Model

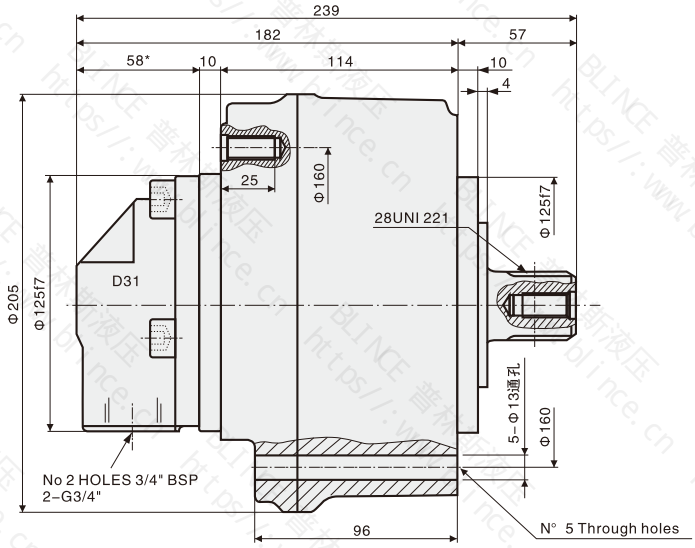
ZGM2-420BD31表示基型为2系列ZGM液压马达，其名义排量为 425ml/r；输出轴为平键轴，配油器型号为 D31。订货时请按此填写完整的型号，若有特殊要求请在订货合同中详细说明。

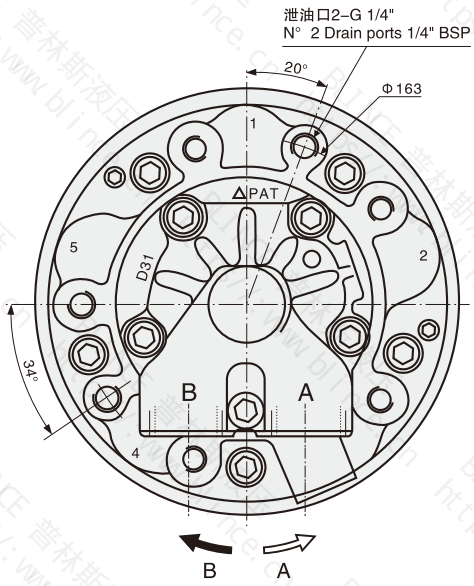
ZGM2-420BD31 means the basic type is 2 series ZGM hydraulic motor, and it's theoretical displacement is 425ml/r; output shaft 's type is flat key shaft, the distributor 's type is D31. When you place an order, please fill in the complete model according to this form. If you have special requirements please give a detailed description in the order contract.

技术参数/ Technical data

型 号 Model	理论排量 Displacement (ml/r)	额定压力 Rated Pressure	尖峰压力 Peak Pressure	额定扭矩 Rated Torque	单位扭矩 Theoric Specific Torque	连续转速 Speed range	最高转速 Max.cont Speed	重量 Weight
	ml/r	Mpa	Mpa	N.m	N.m/Mpa	r/min	r/min	kg
ZGM05-60	59	25	31.5	235	9.4	1~700	1000	22
ZGM05-75	74	25	31.5	295	11.8	1~700	1000	
ZGM05-90	86	25	31.5	343	13.7	1~700	1000	
ZGM05-110	115	25	31.5	458	18.3	1~650	900	
ZGM05-130	129	25	31.5	513	20.5	1~650	900	
ZGM05-150	151	25	31.5	600	24	1~650	900	
ZGM05-170	166	25	31.5	660	26.4	1~600	800	
ZGM05-200	191	25	28	760	30.4	1~600	800	
ZGM1-100	99	25	31.5	385	15.4	1~550	1000	31
ZGM1-150	154	25	31.5	600	24	1~550	1000	
ZGM1-175	172	25	31.5	670	26.8	1~550	900	
ZGM1-200	201	25	31.5	785	31.4	1~550	800	
ZGM1-250	243	25	31.5	950	38	1~450	700	
ZGM1-300	290	25	31.5	1130	45.2	1~350	650	
ZGM1-320	314	25	28	1225	49	1~350	600	
ZGM1-350	340	25	28	1350	54	1~350	600	
ZGM2-200	192	25	31.5	750	30	0.7~550	800	51
ZGM2-250	251	25	31.5	980	39.2	0.7~550	800	
ZGM2-300	304	25	31.5	1188	47.5	0.7~500	750	
ZGM2-350	347	25	31.5	1355	54.2	0.7~500	3750	
ZGM2-420	425	25	31.5	1658	66.3	0.7~450	750	
ZGM2-500	493	25	31.5	1923	76.9	0.7~450	700	
ZGM2-600	565	25	30	2208	88.3	0.7~450	700	
ZGM2-630	623	25	28	2433	97.3	0.7~400	650	
ZGM3-425	426	25	31.5	1660	66.4	0.5~500	650	87
ZGM3-500	486	25	31.5	1895	75.8	0.5~450	600	
ZGM3-600	595	25	31.5	2320	92.8	0.5~450	575	
ZGM3-700	690	25	31.5	2700	108	0.5~400	500	
ZGM3-800	792	25	31.5	3100	124	0.5~400	500	
ZGM3-900	873	25	31.5	3400	136	0.5~350	400	
ZGM3-1000	987	25	28	3850	154	0.5~300	350	
ZGM4-600	616	25	31.5	2403	96.1	0.4~400	550	120
ZGM4-800	793	25	31.5	3100	124	0.4~350	550	
ZGM4-900	904	25	31.5	3525	141	0.4~325	450	
ZGM4-1000	1022	25	31.5	4000	160	0.4~300	400	
ZGM4-1100	1116	25	31.5	4350	174	0.4~275	400	
ZGM4-1300	1316	25	28	5125	205	0.4~225	350	
ZGM5-800	807	25	31.5	3150	126	0.3~325	450	175
ZGM5-1000	1039	25	31.5	4050	162	0.3~300	450	
ZGM5-1200	1185	25	31.5	4625	185	0.3~300	400	
ZGM5-1300	1340	25	31.5	5225	209	0.3~300	400	
ZGM5-1450	1462	25	31.5	5700	228	0.3~275	350	
ZGM5-1600	1634	25	31.5	6350	254	0.3~250	300	
ZGM5-1800	1816	25	31.5	7075	283	0.3~250	300	
ZGM5-2000	2007	25	31.5	7825	313	0.3~200	250	
ZGM6-1700	1690	25	31.5	6600	264	0.2~250	400	275
ZGM6-2100	2127	25	31.5	8300	332	0.2~225	350	
ZGM6-2500	2513	25	31.5	9800	392	0.2~200	300	
ZGM6-3000	3041	25	31.5	11875	475	0.2~175	250	

ZGM05 外形及安装尺寸/ ZGM05 Installation Dimensions

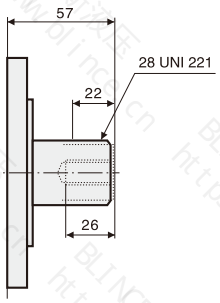




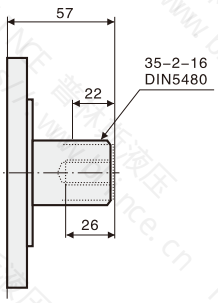
配油器长度 D31=58mm; D40(标准)=77mm
Distributor lenght：D31=58mm; D40(standard)=77mm

ZGM05液压马达可完全替代GM05, INM05, XHS05
Ds05 can completely replace GM05, INM05,and XHS05.

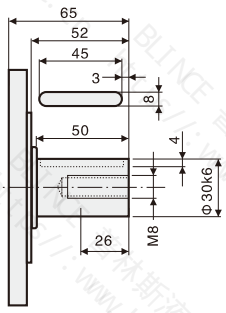
矩形外花键
Rectangular male Spline



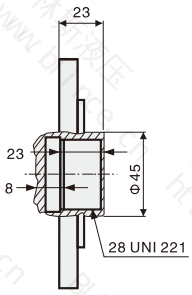
渐开线外花键 A
Involute outer Spline A



圆柱平键B
Cylinder Flat Key B

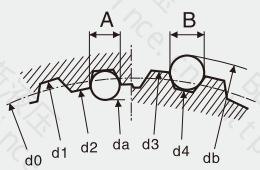


内花键 I
Female spline I



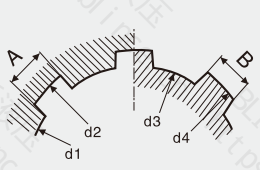
花键参数/ Spline parameters

35-2-16 DIN5480



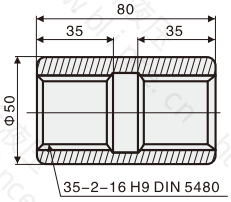
d0	Φ32.0	
d1	Φ35.0 $^{+0.520}_{+0}$	H14
d2	Φ31.0 $^{+0.160}_{+0}$	H11
A	Φ3.5	
da	Φ27.711	H11
d3	Φ34.6 $^{0}_{-0.160}$	h11
d4	Φ30.6 $^{0}_{-0.520}$	h14
B	Φ4.0	
db	Φ39.000	f8

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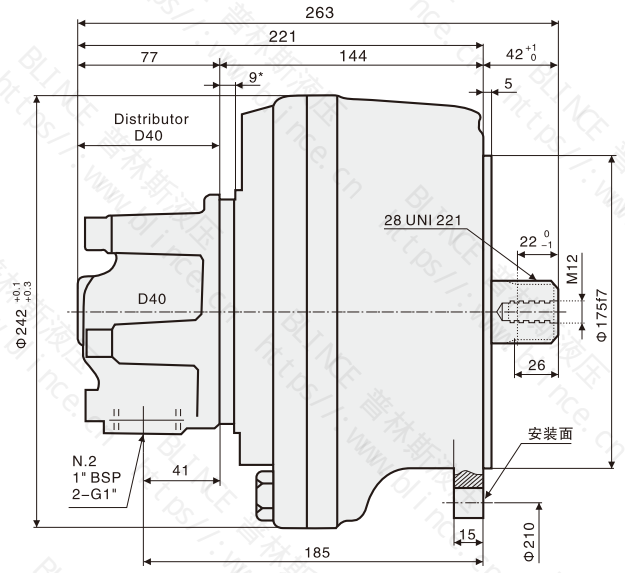
d1	Φ28.0 $^{+0.021}_{+0}$	H7
d2	Φ34.1 $^{+0.016}_{+0}$	H11
A	7.0 $^{+0.028}_{+0.013}$	F7
d3	Φ28.0 $^{-0.007}_{-0.020}$	g6
d4	Φ34.0 $^{-0.065}_{-0.160}$	h14
B	7.0 $^{-0.013}_{-0.026}$	f7

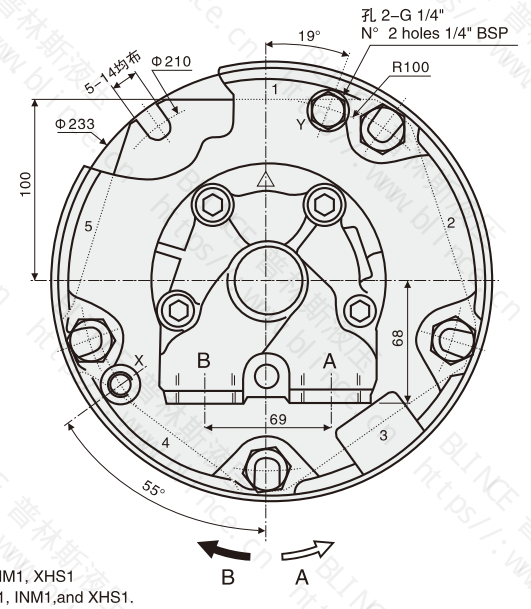
联轴器 Couplings



ulr：www.blince.cn Email：blince@yeah.net

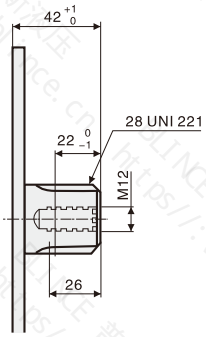
ZGM1 外形及安装尺寸/ ZGM1 Installation Dimensions



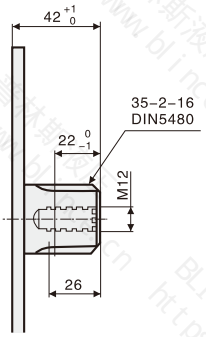


ZGM1液压马达可完全替代GM1, INM1, XHS1
ZGM1 can completely replace GM1, INM1,and XHS1.

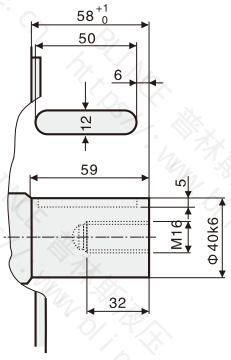
矩形外花键
Rectangular male Spline



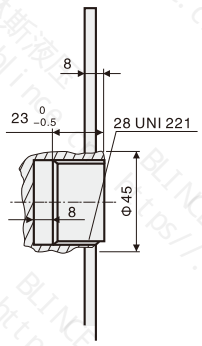
渐开线外花键 A
Involute outer Spline A



圆柱平键B
Cylinder Flat Key B

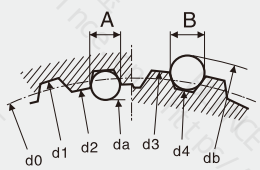


内花键 I
Female spline I



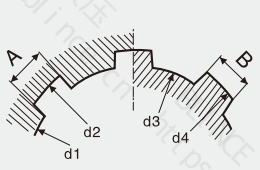
花键参数/ Spline parameters

35-2-16 DIN5480



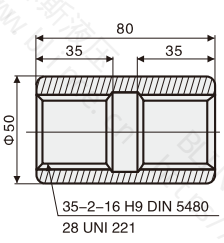
d0	Φ32.0	
d1	Φ35.0 +0.520 +0	H14
d2	Φ31.0 +0.160 +0	H11
A	Φ3.5	
da	Φ27.711	H11
d3	Φ34.6 -0 -0.160	h11
d4	Φ30.6 -0 -0.520	h14
B	Φ4.0	
db	Φ39.000	f8

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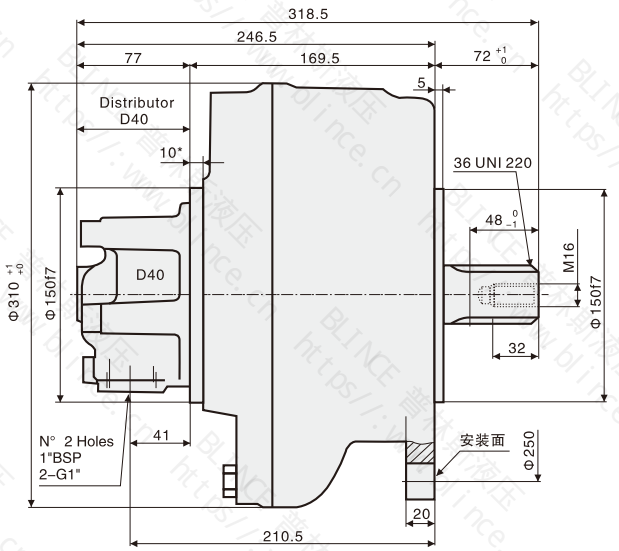


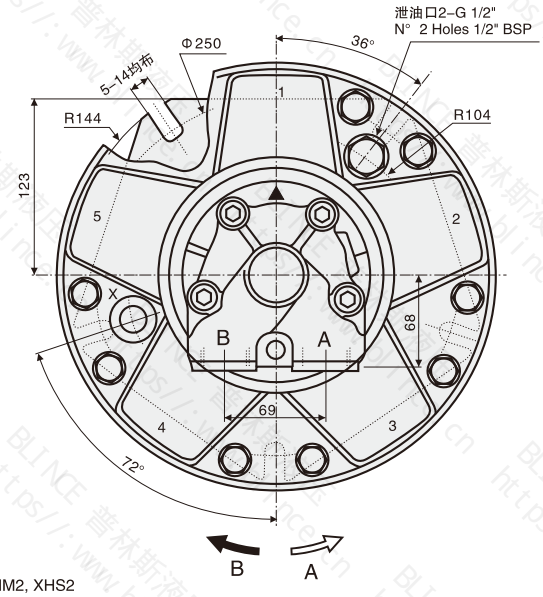
d1	Φ28.0 +0.021 +0	H7
d2	Φ34.1 +0.016 +0	H11
A	7.0 +0.028	F7
d3	Φ28.0 -0.007 -0.020	g6
d4	Φ34.0 -0.065 -0.160	h14
B	7.0 -0.028	f7

联轴器 Couplings



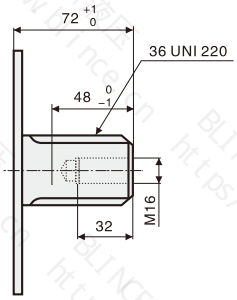
ZGM2 外形及安装尺寸/ ZGM2 Installation Dimensions



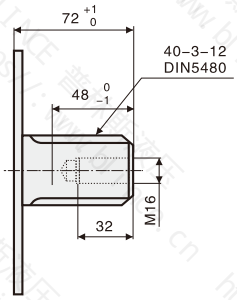


ZGM2液压马达可完全替代GM2, INM2, XHS2
ZGM2 can completely replace GM2, INM2,and XHS2.

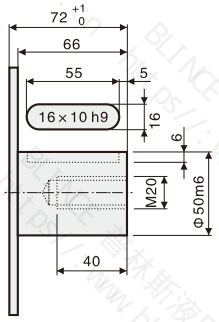
矩形外花键
Rectangular male Spline



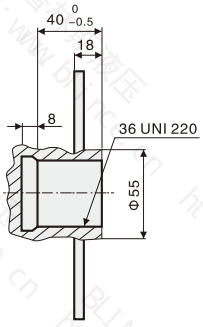
渐开线外花键 A
Involute outer Spline A



圆柱平键B
Cylinder Flat Key B

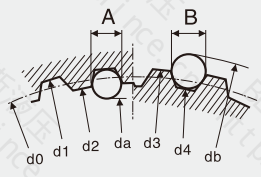


内花键 I
Female spline I



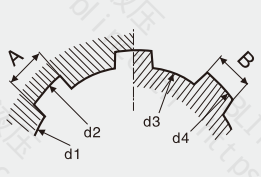
花键参数/ Spline parameters

40-3-12 DIN5480



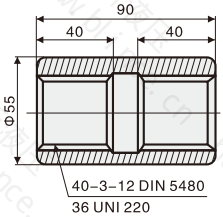
d0	Φ36.0	
d1	Φ40.0 +0.620 +0	H14
d2	Φ34.0 +0.160 +0	H11
A	Φ5.25	
da	Φ28.964	H11
d3	Φ39.4 -0 -0.160	h11
d4	Φ33.4 -0 -0.620	h14
B	Φ6.0	
db	Φ45.989	f8

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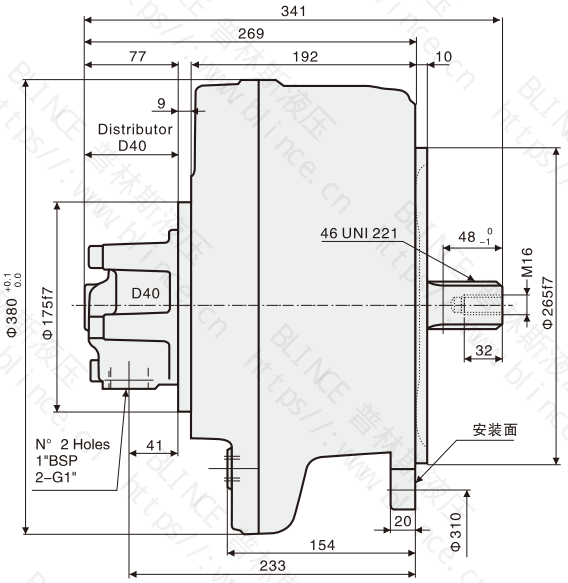
d1	Φ36.0 +0.025 +0	H7
d2	Φ40.0 +0.016 +0	H11
A	7.0 +0.028	F7
d3	Φ36.0 -0.009 -0.025	g6
d4	Φ40.0 -0.065 -0.160	d11
B	7.0 -0.028	f7

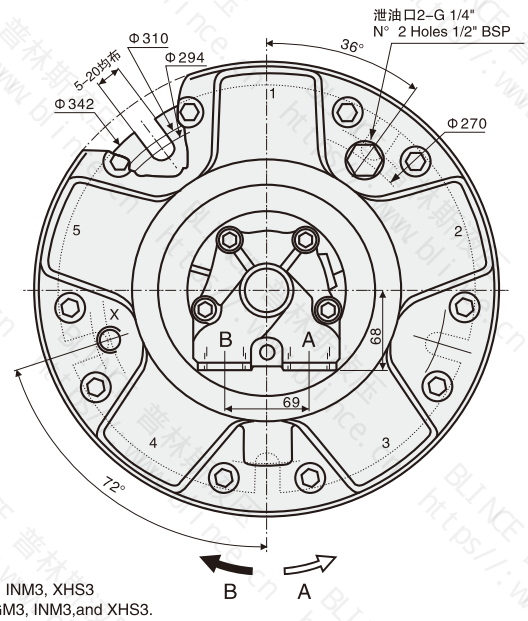
联轴器 Couplings



ulr：www.blince.cn Email：blince@yeah.net

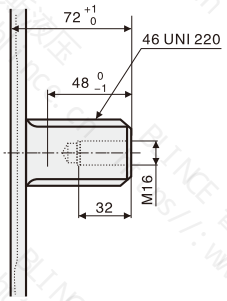
ZGM3 外形及安装尺寸/ ZGM3 Installation Dimensions



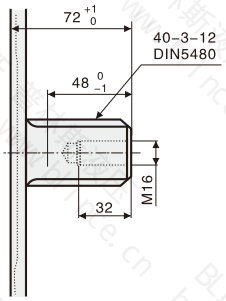


ZGM3液压马达可完全替代GM3, INM3, XHS3
ZGM3 can completely replace GM3, INM3,and XHS3.

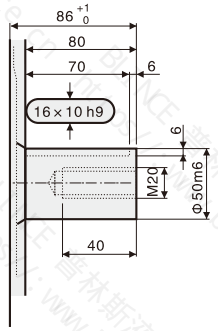
矩形外花键
Rectangular male Spline



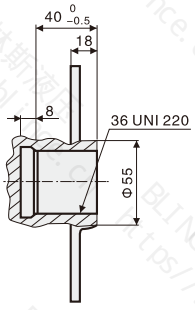
渐开线外花键 A
Involute outer Spline A



圆柱平键B
Cylinder Flat Key B

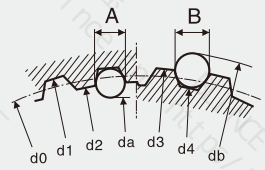


内花键 I
Female spline I



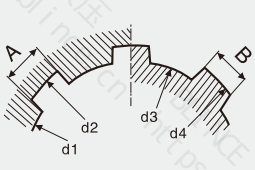
花键参数/ Spline parameters

40-3-12 DIN5480



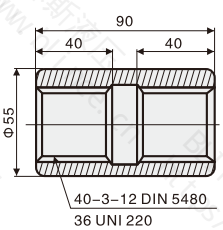
d0	Φ36.0		
d1	Φ40.0 +0.620 +0		H14
d2	Φ34.0 +0.160 +0		H11
A	Φ5.25		
da	Φ28.964		H11
d3	Φ39.4 -0 -0.160		h11
d4	Φ33.4 -0 -0.620		h14
B	Φ6.0		
db	Φ45.989		f8

46 UNI 220 (8-46-54)DIN5462

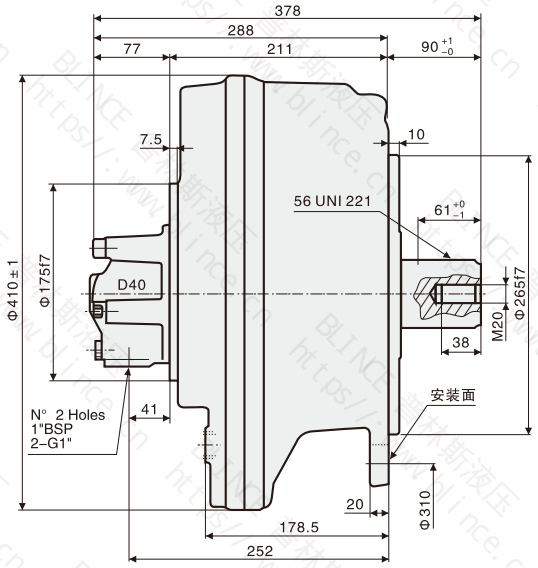


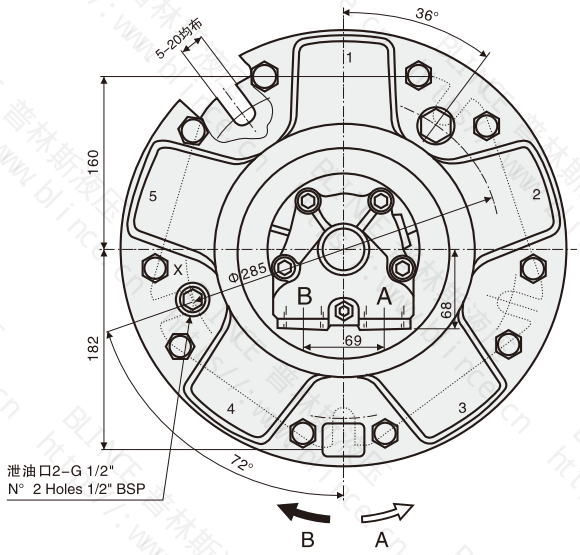
d1	Φ46.0 +0.030 +0		H7
d2	Φ54.0 +0.190 +0		H11
A	9.0	+0.028	F7
d3	Φ46.0 -0.009 -0.025		g6
d4	Φ54.0 -0.100 -0.290		d11
B	7.0	-0.028	f7

联轴器 Couplings



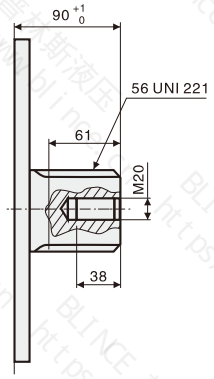
ZGM4 外形及安装尺寸/ ZGM4 Installation Dimensions



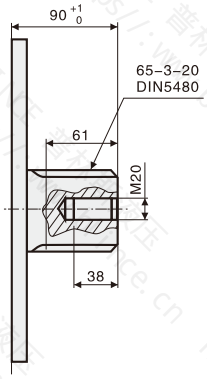


ZGM4液压马达可完全替代GM4, INM4, XHS4
ZGM4 can completely replace GM4, INM4,and XHS4.

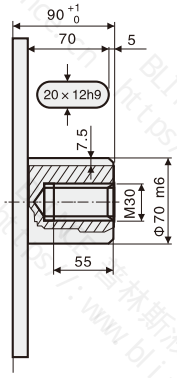
矩形外花键
Rectangular male Spline



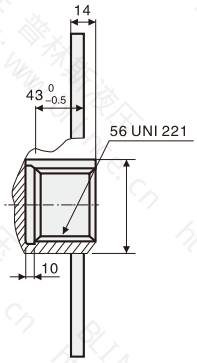
渐开线外花键 A
Involute outer Spline A



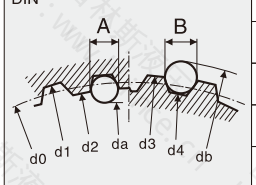
圆柱平键B
Cylinder Flat Key B

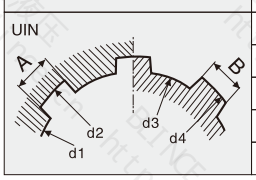


内花键 I
Female spline I



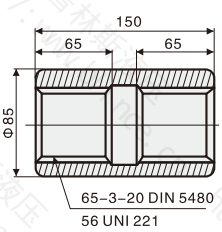
花键参数/ Spline parameters





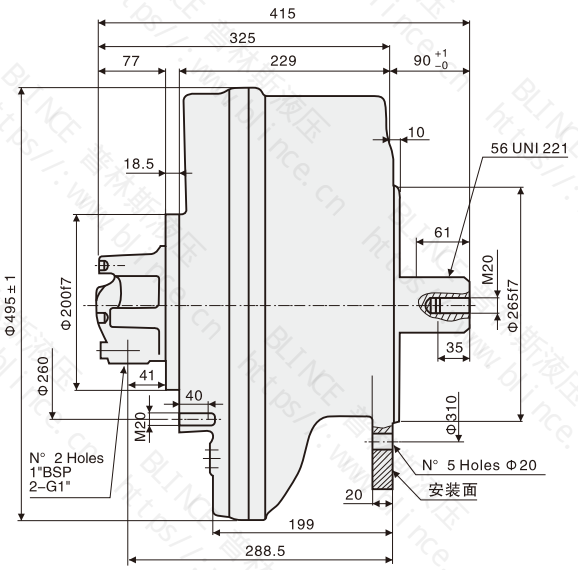
	65-3-20 DIN5480	55-3-26 DIN5428	55-3-17 DIN5428	56 UNI 221(10-56-65 DIN 5428)
d0	Φ60.0	Φ52.0	Φ51.0	d1 Φ56.0 +0.030 +0 H7
d1	Φ65.0 +0.740 +0 H14	Φ55.0 +0.300 +0 H12	Φ55.0 +0.740 +0 H14	d2 Φ65.0 +0.190 +0 H11
d2	Φ59.0 +0.190 +0 H11	Φ50.0 +0.160 +0 H11	Φ49.0 +0.160 +0 H11	A 10.0 +0.028 +0.013 F7
A	Φ5.25	Φ3.5	Φ5.25	d3 Φ56 -0.010 -0.029 g6
da	Φ54.101 H11	Φ46.902 H10	Φ43.807 H11	d4 Φ65.0 -0.100 -0.190 H11
d3	Φ64.4 -0 -0.190 h11	Φ54.5 -0 -0.190 h11	Φ54.4 -0 -0.190 h11	B 10 -0.028 -0.013 f7
d4	Φ58.4 -0 -0.740 h14	Φ49.0 -0 -0.300 h12	Φ48.4 -0 -0.620 h14	
B	Φ6.0	Φ3.5	Φ6.0	
db	Φ70.999 f8	Φ56.953 e9	Φ60.873 f8	

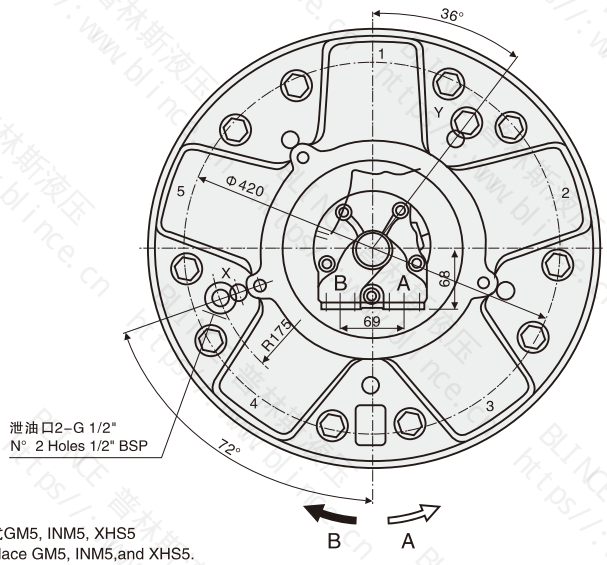
联轴器 Couplings



url：www.blince.cn Email：blince@yeah.net

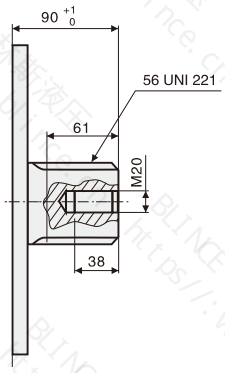
ZGM5 外形及安装尺寸/ ZGM5 Installation Dimensions



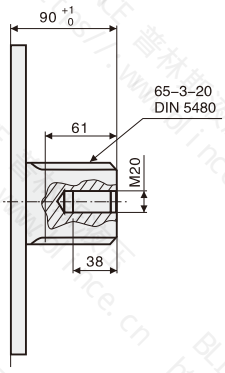


ZGM5液压马达可完全替代GM5, INM5, XHS5
ZGM5 can completely replace GM5, INM5,and XHS5.

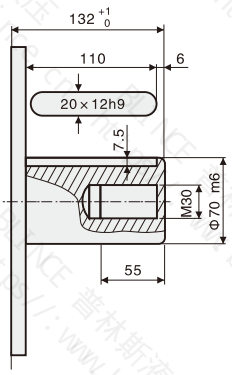
矩形外花键
Rectangular male Spline



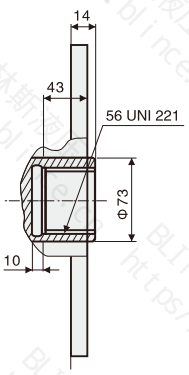
渐开线外花键 A
Involute outer Spline A



圆柱平键B
Cylinder Flat Key B

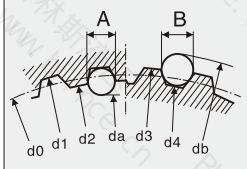


内花键 I
Female spline I

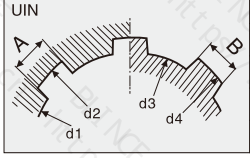


花键参数/ Spline parameters

DIN

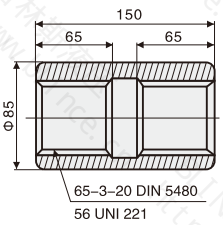


UIN



	65-3-20 DIN5480	55-3-26 DIN5428	55-3-17 DIN5428	56 UNI 221(10-56-65 DIN 5428)
d0	Φ60.0	Φ52.0	Φ51.0	d1 Φ56.0 +0.030 +0 H7
d1	Φ65.0 +0.740 +0 H14	Φ55.0 +0.300 +0 H12	Φ55.0 +0.740 +0 H14	d2 Φ65.0 +0.190 +0 H11
d2	Φ59.0 +0.190 +0 H11	Φ50.0 +0.160 +0 H11	Φ49.0 +0.160 +0 H11	A 10.0 +0.028 +0.013 F7
A	Φ5.25	Φ3.5	Φ5.25	d3 Φ56 -0.010 -0.029 g6
da	Φ54.101 H11	Φ46.902 H10	Φ43.807 H11	d4 Φ65.0 -0.100 -0.190 H11
d3	Φ64.4 -0 -0.190 h11	Φ54.5 -0 -0.190 h11	Φ54.4 -0 -0.190 h11	B 10 -0.013 -0.028 f7
d4	Φ58.4 -0 -0.740 h14	Φ49.0 -0 -0.300 h12	Φ48.4 -0 -0.620 h14	
B	Φ6.0	Φ3.5	Φ6.0	
db	Φ70.999 f8	Φ56.953 e8	Φ60.873 f8	

联轴器 Couplings



D31

D31通油盘，油孔为G3/4"

D31 distributor with 3/4" ports.

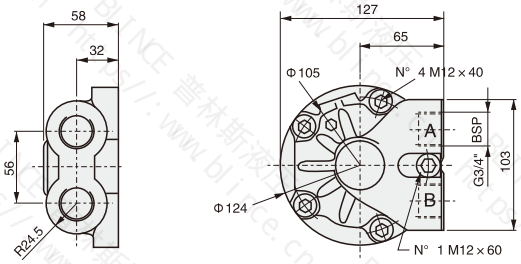
D310

与D31相同，油口为 G1"

重量: 4kg

Is the same as D31, oil port is G1"

Weight：4kg



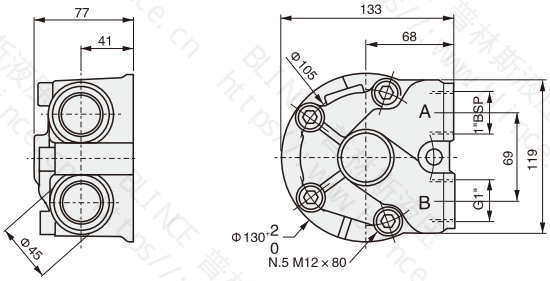
D40

标准配置用通油盘。

重量：5kg

Standard distributor for motors.

Weight：5kg



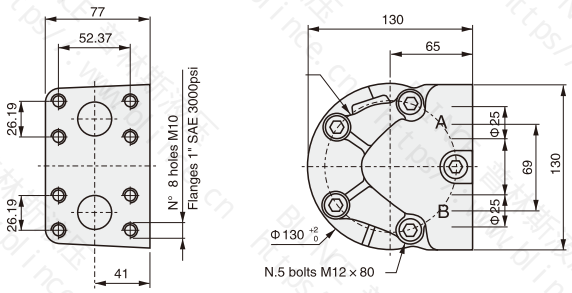
D47

油孔为Φ25 的法兰连接通油盘。

重量: 6kg

Distributor with SAE 1" 3000 psi flanges.

Weight：6kg



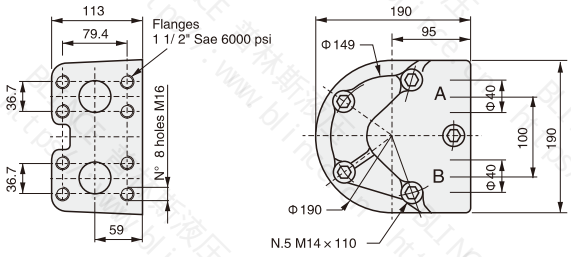
D90

ZGM6，ZM31 系列标准通油盘。

重量: 14.5kg

Standard distributor for ZGM6, ZM31 series motors.

Weight：14.5kg



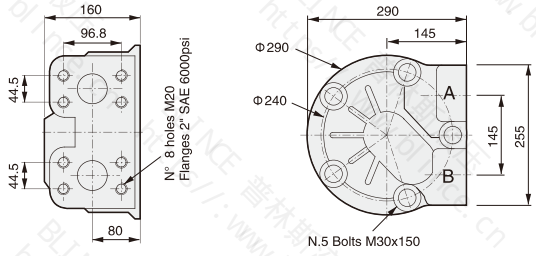
D250

大流量通油盘

重量: 50kg

High flow distributor

Weight：50kg



url：www.blince.cn Email：blince@yeah.net

D60221

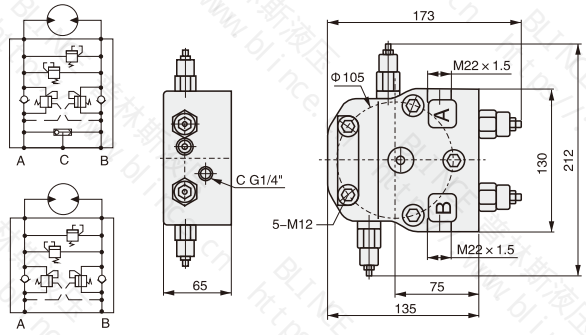
双向过载阀，双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为60L/min

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



D602

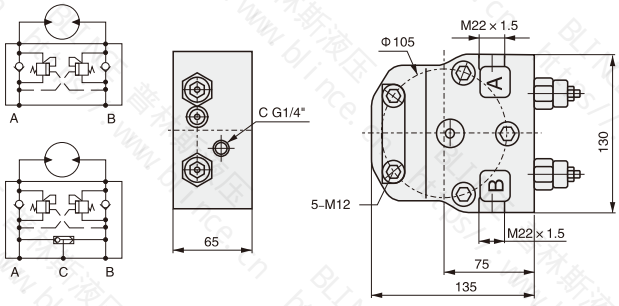
双向平衡阀
最高设定压力35MPa
最大流量为60L/min

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



D120221

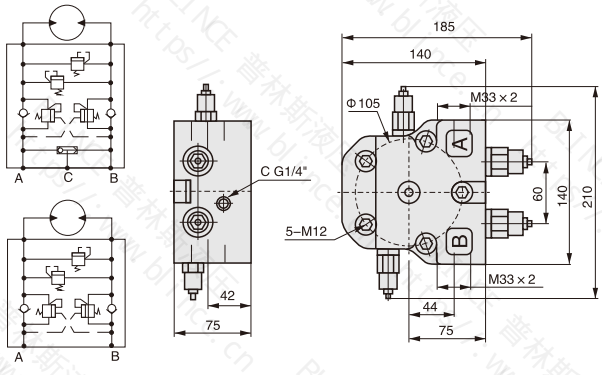
双向过载阀，双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为120L/min

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

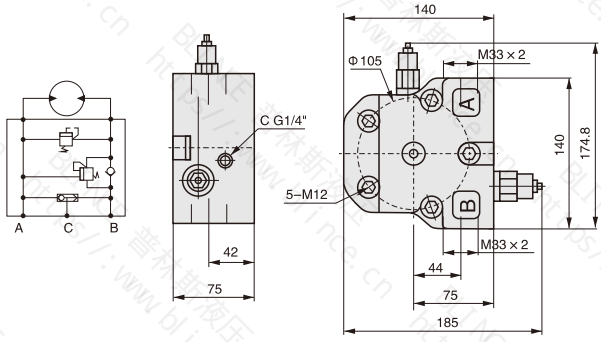
Bidirectional overload valve
Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



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

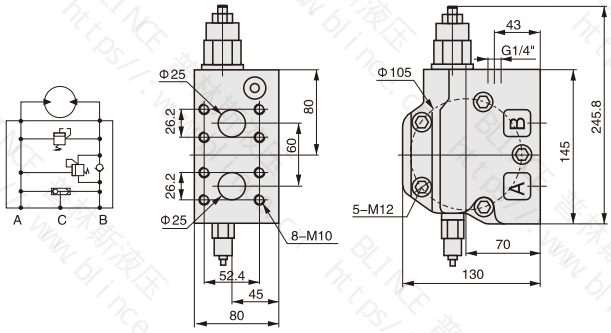
Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 120L/min



D240111

单向平衡阀及单向过载阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

Single overload valve
Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D2402

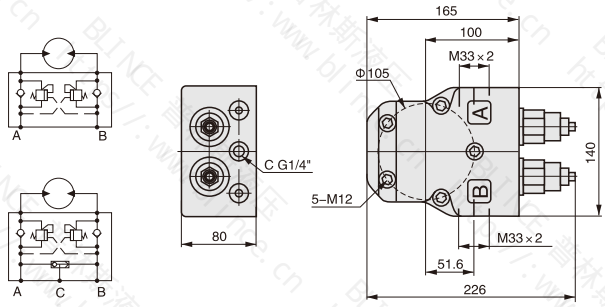
双向平衡阀
最高设定压力35MPa
最大流量为240L/min

Bidirectional counterbalance valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min

D240201

双向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为240L/min

Bidirectional counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 240L/min



D480101

单向平衡阀
高压梭阀
最高设定压力35MPa
最大流量为480L/min

Single counterbalance valve
High pressure shuttle valve
Maximum setting pressure is 35MPa
Maximum flow is 480L/min

