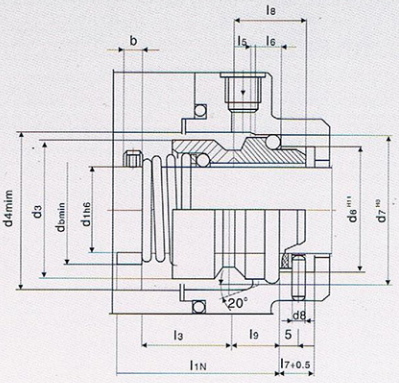
# M37G 型机械密封




## 简介

单端面/非平衡型/锥形弹簧/固定旋向/符合EN12756(DIN24960)标准
Single seal/Unbalanced/Conical spring/Dependent on direction of rotation/To EN12756(DIN24960)

M37G系列的机械密封，结构简单，应用广泛，可靠性好。适用于清水泵，污水泵，潜水泵以及化工流程泵等。
M37G mechanical seal series is structural simple and reliable.It has a wide application scope.Itis suitable for clean water pumps,sewage pumps,submerged pumps,process pumps,etc.

## 运行参数

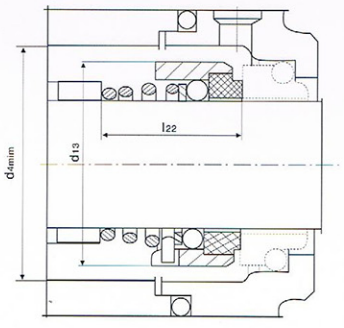
规格：6～80mm
压力：≤1.0Mpa
温度：-20℃～180℃
线速度：≤15m/s
轴向窜动量：±1.0mm

Specification：6～80mm
Pressure：≤1.0Mpa
Temperature：-20℃～180℃
Linear speed：≤15m/s
Axial movement：±1.0mm

## 材料组合

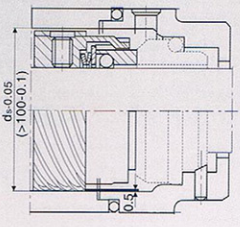
密封端面：石墨、碳化硅、碳化钨、氧化铝、不锈钢
辅助密封：丁腈胶、氟橡胶、乙丙胶、PTFE
金属构件：不锈钢

Sealing face：
Graphite, Silicon carbide, Tungsten carbide, Aluminumoxide, Stainless steel
Secondary sealing：
Acrylonitrile rubber, Fluorine rubber, Ethylene propylene rubber, PTFE
Metal component：
Stainless steel



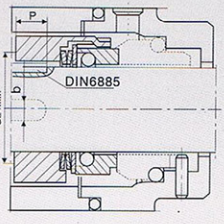

M37G标准动静环为整体式，当动环采用镶嵌石墨环时，其型式称M32型

The rotary and stationary of M37G standard type is integrated.
If with inlaid graphite rotary,it is called type M32G.



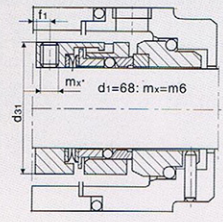

M7F 带螺纹泵
$d_1$ max. 100mm

M74F 多弹簧带螺纹泵
$d_1$ = 14... 200mm




MS2 键驱动
$d_1$ max. 100mm

MS2 多弹簧键驱动
$d_1$ = 28... 200mm




M78N 旋转环用镶嵌结构
$d_1$ = 18... 100mm
t max. 180℃

| d1 | d3 | d5 | d7 | d8 | d11 | d12 | d24 | d31 | d5 | l1k | l3 | l5 | l6 | l7 | l8 | l9 | l10 | l11 | l12 | l13 | l14 | l15 | l16 | l28 | b | f | f1 | mx | Pmax | t |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14* | 25 | 21.0 | 25.0 | 3 | 20.5 | 24.6 | 16 | - | 34 | 35.0 | 25.0 | 1.5 | 4 | 8.5 | 17.5 | 10.0 | 7.5 | 10.0 | 6.5 | 7.6 | 5.6 | 1.2 | 3.8 | 6.6 | 4 | 6 | - | M5 | 10 | 1.5 |
| 16* | 27 | 23.0 | 27.0 | 3 | 22.0 | 28.0 | 18 | - | 36 | 35.0 | 25.0 | 1.5 | 4 | 8.5 | 17.5 | 10.0 | 7.5 | 11.5 | 8.5 | 9.0 | 7.5 | 1.2 | 3.8 | 6.6 | 4 | 6 | - | M5 | 10 | 1.5 |
| 18* | 33 | 27.0 | 33.0 | 3 | 24.0 | 30.0 | 20 | 32 | 38 | 37.5 | 26.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 12.5 | 9.0 | 10.0 | 8.0 | 1.5 | 5.0 | 7.5 | 5 | 7 | 3.5 | M5 | 12 | 1.1 |
| 20* | 35 | 29.0 | 35.0 | 3 | 29.5 | 35.0 | 22 | 34 | 40 | 37.5 | 26.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 12.5 | 8.5 | 9.5 | 7.5 | 1.5 | 5.0 | 7.5 | 5 | 7 | 3.5 | M5 | 12 | 1.1 |
| 22* | 37 | 31.0 | 37.0 | 3 | 29.5 | 35.0 | 24 | 36 | 42 | 37.5 | 26.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 12.5 | 8.5 | 9.5 | 7.5 | 1.5 | 5.0 | 7.5 | 6 | 7 | 3.5 | M5 | 12 | 1.5 |
| 24* | 39 | 33.0 | 39.0 | 3 | 32.0 | 38.0 | 26 | 38 | 44 | 40.0 | 28.5 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 12.5 | 8.5 | 9.5 | 7.5 | 1.5 | 5.0 | 7.5 | 6 | 8 | 3.5 | M5 | 12 | 1.5 |
| 25* | 40 | 34.0 | 40.0 | 3 | 32.0 | 38.0 | 27 | 39 | 45 | 40.0 | 28.5 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 12.5 | 8.5 | 9.5 | 7.5 | 1.5 | 5.0 | 7.5 | 6 | 8 | 3.5 | M5 | 12 | 1.5 |
| 28* | 43 | 37.0 | 43.0 | 3 | 36.0 | 42.0 | 30 | 42 | 47 | 42.5 | 31.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 14.0 | 10.0 | 11.0 | 9.0 | 1.5 | 5.0 | 7.5 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 30* | 45 | 39.0 | 45.0 | 3 | 39.2 | 45.0 | 32 | 44 | 49 | 42.5 | 31.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 14.0 | 11.5 | 11.0 | 10.5 | 1.5 | 5.0 | 7.5 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 32* | 47 | 42.0 | 48.0 | 3 | 42.2 | 48.0 | 34 | 46 | 51 | 42.5 | 31.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 14.0 | 11.5 | 11.0 | 10.5 | 1.5 | 5.0 | 7.5 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 33* | 48 | 42.0 | 48.0 | 3 | 44.2 | 50.0 | 35 | 47 | 51 | 42.5 | 31.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 14.5 | 12.0 | 11.5 | 10.5 | 1.5 | 5.0 | 7.5 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 35* | 50 | 44.0 | 50.0 | 3 | 46.2 | 52.0 | 37 | 49 | 54 | 42.5 | 31.0 | 2.0 | 5 | 9.0 | 19.5 | 11.5 | 8.5 | 14.5 | 12.0 | 11.5 | 11.0 | 1.5 | 5.0 | 7.5 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 38* | 55 | 49.0 | 56.0 | 4 | 49.2 | 55.0 | 40 | 54 | 59 | 45.0 | 31.0 | 2.0 | 6 | 9.0 | 22.0 | 14.0 | 10.0 | 14.5 | 11.3 | 11.5 | 10.3 | 1.5 | 5.0 | 9.0 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 40* | 57 | 51.0 | 58.0 | 4 | 52.2 | 58.0 | 42 | 56 | 61 | 45.0 | 31.0 | 2.0 | 6 | 9.0 | 22.0 | 14.0 | 10.0 | 14.5 | 11.8 | 11.5 | 10.8 | 1.5 | 5.0 | 9.0 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 43* | 60 | 54.0 | 61.0 | 4 | 53.3 | 62.0 | 45 | 59 | 65 | 45.0 | 31.0 | 2.0 | 6 | 9.0 | 22.0 | 14.0 | 10.0 | 17.0 | 13.2 | 14.3 | 12.0 | 2.0 | 6.0 | 9.0 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 45* | 62 | 56.0 | 63.0 | 4 | 55.3 | 64.0 | 47 | 61 | 66 | 45.0 | 31.0 | 2.0 | 6 | 9.0 | 22.0 | 14.0 | 10.0 | 17.0 | 12.8 | 14.3 | 11.6 | 2.0 | 6.0 | 9.0 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 48* | 65 | 59.0 | 66.0 | 4 | 59.7 | 68.4 | 50 | 64 | 69 | 45.0 | 31.0 | 2.0 | 6 | 9.0 | 22.0 | 14.0 | 10.0 | 17.0 | 12.8 | 14.3 | 11.6 | 2.0 | 6.0 | 9.0 | 6 | 8 | 4.0 | M6 | 16 | 1.5 |
| 50* | 67 | 62.0 | 70.0 | 4 | 60.8 | 69.3 | 52 | 66 | 71 | 47.5 | 32.5 | 2.5 | 6 | 9.0 | 23.0 | 15.0 | 10.5 | 17.0 | 12.8 | 14.3 | 11.6 | 2.0 | 6.0 | 9.0 | 6 | 8 | 4.5 | M6 | 16 | 1.5 |
| 53* | 70 | 65.0 | 73.0 | 4 | 63.8 | 72.3 | 55 | 69 | 75 | 47.5 | 32.5 | 2.5 | 6 | 9.0 | 23.0 | 15.0 | 12.0 | 17.0 | 13.5 | 14.3 | 12.3 | 2.0 | 6.0 | 11.0 | 6 | 8 | 4.5 | M6 | 16 | 1.5 |
| 55* | 72 | 67.0 | 75.0 | 4 | 66.5 | 75.4 | 57 | 71 | 76 | 47.0 | 32.5 | 2.5 | 6 | 9.0 | 23.0 | 15.0 | 12.0 | 18.0 | 14.5 | 15.3 | 13.3 | 2.0 | 6.0 | 11.0 | 6 | 8 | 4.5 | M6 | 16 | 1.5 |
| 58* | 79 | 70.0 | 78.0 | 4 | 69.5 | 78.4 | 60 | 78 | 83 | 52.5 | 37.5 | 2.5 | 6 | 9.0 | 23.0 | 15.0 | 12.0 | 18.0 | 14.5 | 15.3 | 13.3 | 2.0 | 6.0 | 11.0 | 8 | 9 | 5.5 | M8 | 16 | 1.9 |
| 60* | 81 | 72.0 | 80.0 | 4 | 71.5 | 80.4 | 62 | 80 | 85 | 52.5 | 37.5 | 2.5 | 6 | 9.0 | 23.0 | 15.0 | 12.0 | 18.0 | 14.5 | 15.3 | 13.3 | 2.0 | 6.0 | 11.0 | 8 | 9 | 5.5 | M8 | 16 | 1.9 |
| 63* | 84 | 75.0 | 83.0 | 4 | 74.5 | 83.4 | 65 | 83 | 88 | 52.5 | 37.5 | 2.5 | 6 | 9.0 | 23.0 | 15.0 | 12.0 | 18.0 | 14.2 | 15.3 | 13.3 | 2.0 | 6.0 | 11.0 | 8 | 9 | 5.5 | M8 | 16 | 1.9 |
| 65* | 86 | 77.0 | 85.0 | 4 | 76.5 | 85.4 | 67 | 85 | 95 | 52.5 | 37.5 | 2.5 | 6 | 9.0 | 23.0 | 15.0 | 12.0 | 18.0 | 14.2 | 15.3 | 13.0 | 2.0 | 6.0 | 11.0 | 8 | 9 | 5.5 | M8 | 16 | 1.9 |
| 68* | 89 | 81.0 | 90.0 | 4 | 82.7 | 91.5 | 70 | 88 | 93 | 52.5 | 34.5 | 2.5 | 7 | 9.0 | 26.0 | 18.0 | 12.5 | 19.0 | 14.9 | 16.0 | 13.7 | 2.0 | 6.0 | 11.3 | 8 | 9 | 4.0 | M8 | 16 | 1.9 |
| 70* | 91 | 83.0 | 92.0 | 4 | 83.0 | 92.0 | 72 | 90 | 95 | 60.0 | 42.0 | 2.5 | 7 | 9.0 | 26.0 | 18.0 | 12.5 | 18.0 | 14.2 | 15.3 | 13.0 | 2.0 | 6.0 | 11.3 | 8 | 9 | 5.5 | M8 | 16 | 1.9 |
| 75* | 99 | 88.0 | 97.0 | 4 | 90.2 | 99.0 | 77 | 99 | 105 | 60.0 | 42.0 | 2.5 | 7 | 9.0 | 26.0 | 18.0 | 12.5 | 18.0 | 15.2 | 15.3 | 14.8 | 2.0 | 6.0 | 11.3 | 8 | 10 | 5.5 | M8 | 16 | 1.9 |
| 80* | 104 | 95.0 | 105.0 | 4 | 95.2 | 104.0 | 82 | 104 | 109 | 60.0 | 41.8 | 3.0 | 7 | 9.0 | 26.2 | 18.2 | 13.0 | 19.0 | 16.2 | 16.3 | 14.8 | 2.0 | 6.0 | 12.0 | 8 | 10 | 5.5 | M8 | 16 | 1.9 |
| 85* | 109 | 100.0 | 110.0 | 4 | 100.2 | 109.0 | 87 | 109 | 114 | 60.0 | 46.8 | 3.0 | 7 | 9.0 | 26.2 | 18.2 | 15.0 | 19.0 | 16.0 | 16.3 | 14.8 | 2.0 | 6.0 | 14.0 | 8 | 10 | 5.5 | M8 | 16 | 1.9 |
| 90* | 114 | 105.0 | 115.0 | 4 | 105.2 | 114.0 | 92 | 114 | 119 | 65.0 | 47.8 | 3.0 | 7 | 9.0 | 26.2 | 18.2 | 15.0 | 19.0 | 16.0 | 16.3 | 14.8 | 2.0 | 6.0 | 14.0 | 10 | 10 | 8.0 | M8 | 27 | 2.3 |
| 95* | 119 | 110.0 | 120.0 | 4 | 111.6 | 120.3 | 97 | 119 | 124 | 65.0 | 47.8 | 3.0 | 7 | 9.0 | 25.2 | 17.2 | 15.0 | 20.0 | 17.0 | 17.3 | 15.8 | 2.0 | 6.0 | 14.0 | 10 | 10 | 8.0 | M8 | 27 | 2.3 |
| 100* | 124 | 115.0 | 125.0 | 4 | 114.5 | 123.3 | 102 | 124 | 129 | 65.0 | 47.8 | 3.0 | 7 | 9.0 | 25.2 | 17.2 | 15.0 | 20.0 | 17.0 | 17.3 | 15.8 | 2.0 | 6.0 | 14.0 | 10 | 10 | 8.0 | M8 | 27 | 2.3 |
| 105 | 138 | 122.2 | 134.3 | 5 | - | - | 108 | - | 143 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 110 | 143 | 128.2 | 140.3 | 5 | - | - | 113 | - | 148 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 115 | 148 | 136.2 | 148.3 | 5 | - | - | 118 | - | 153 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 120 | 153 | 138.2 | 150.3 | 5 | - | - | 123 | - | 158 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 125 | 158 | 142.2 | 154.3 | 5 | - | - | 128 | - | 163 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 130 | 163 | 146.2 | 158.3 | 5 | - | - | 133 | - | 168 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 135 | 168 | 152.2 | 164.3 | 5 | - | - | 138 | - | 173 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 140 | 173 | 156.2 | 168.3 | 5 | - | - | 143 | - | 178 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 145 | 178 | 161.2 | 173.3 | 5 | - | - | 148 | - | 183 | 67.0 | 47.0 | 2.0 | 10 | - | 30.0 | 20.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 150 | 183 | 168.2 | 180.3 | 5 | - | - | 153 | - | 188 | 69.0 | 47.0 | 2.0 | 10 | - | 32.0 | 22.0 | - | - | - | - | - | - | - | - | 10 | 10 | - | M8 | 20 | 2.3 |
| 155 | 191 | 173.2 | 185.3 | 5 | - | - | 158 | - | 196 | 80.0 | 56.0 | 2.0 | 12 | - | 34.0 | 24.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 160 | 196 | 178.2 | 190.3 | 5 | - | - | 163 | - | 201 | 80.0 | 56.0 | 2.0 | 12 | - | 34.0 | 24.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 165 | 201 | 183.2 | 195.3 | 5 | - | - | 168 | - | 206 | 80.0 | 56.0 | 2.0 | 12 | - | 34.0 | 24.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 170 | 206 | 188.2 | 200.3 | 5 | - | - | 173 | - | 211 | 80.0 | 56.0 | 2.0 | 12 | - | 34.0 | 24.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 175 | 211 | 193.2 | 205.3 | 5 | - | - | 178 | - | 216 | 80.0 | 56.0 | 2.0 | 12 | - | 34.0 | 24.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 180 | 216 | 207.5 | 219.3 | 5 | - | - | 183 | - | 221 | 84.0 | 56.0 | 2.0 | 12 | - | 38.0 | 28.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 185 | 221 | 212.5 | 224.3 | 5 | - | - | 188 | - | 226 | 84.0 | 56.0 | 2.0 | 12 | - | 38.0 | 28.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 190 | 226 | 217.5 | 229.3 | 5 | - | - | 193 | - | 231 | 84.0 | 56.0 | 2.0 | 12 | - | 38.0 | 28.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 195 | 231 | 222.5 | 234.3 | 5 | - | - | 198 | - | 236 | 84.0 | 56.0 | 2.0 | 12 | - | 38.0 | 28.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |
| 200 | 236 | 227.5 | 239.3 | 5 | - | - | 203 | - | 241 | 84.0 | 56.0 | 2.0 | 12 | - | 38.0 | 28.0 | - | - | - | - | - | - | - | - | 12 | 12 | - | M8 | 24 | 2.1 |