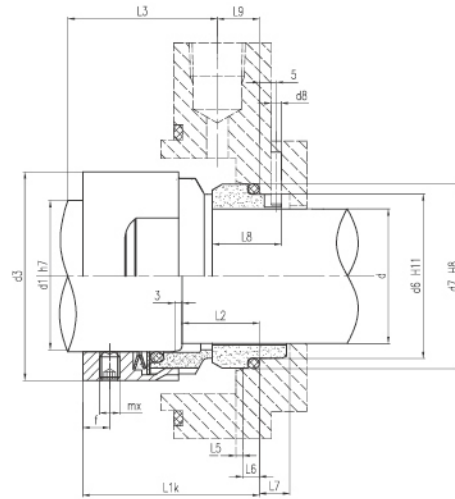
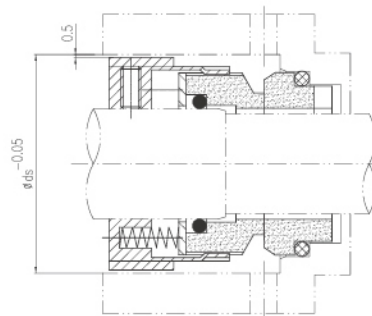


## HB3

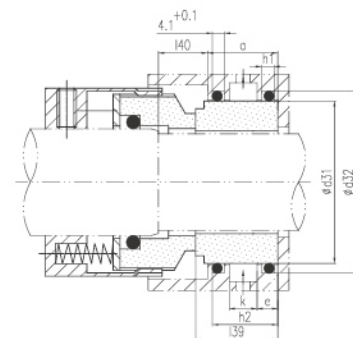


### Advantages

- ▶ Standardized design
- ▶ Individual sealing
- ▶ Wide range of material options
- ▶ Minimal installation length



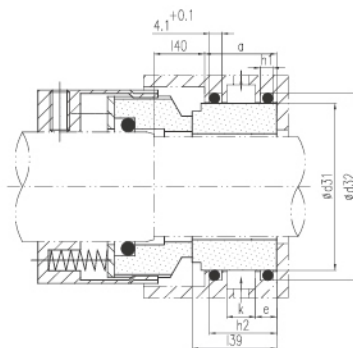
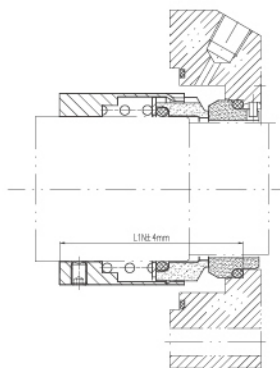
HB3F带螺纹泵



HB34-G115型

### Design Features

- ▶ Single end
- ▶ Balanced type
- ▶ Independent of rotation direction
- ▶ Designed for EN 12756



HB34-G115型

### Application Range

- ▶ **Media:** Oil, water, acids, alkalis, salts, and other general corrosive media
- ▶ **Pressure:**  $\leq 2.5$  MPa
- ▶ **Temperature:**  $-50^{\circ}\text{C}$  to  $220^{\circ}\text{C}$
- ▶ **Speed:**  $\leq 20$  m/s

## Dimensional Data

| S.D. | d   | d1  | d3  | d6    | d7    | d | d24 | d31    | d32    | ds  | L1k  | L1N | L2 | L3   | L5  | L6 | L7  | L8   | L9   | L39  | L40  | a    | b    | e    | f    | h1  | h2   | k   | mx | pma | t   |
|------|-----|-----|-----|-------|-------|---|-----|--------|--------|-----|------|-----|----|------|-----|----|-----|------|------|------|------|------|------|------|------|-----|------|-----|----|-----|-----|
| 14   | 14  | 18  | 33  | 21    | 25    | 3 | 20  | ---    | ---    | 38  | 42.5 | --- | 18 | 32.5 | 1.5 | 4  | 8.5 | 17.5 | 10.0 | ---  | ---  | ---  | 5    | ---  | 6.0  | --- | ---  | --- | M5 | 9   | 1.1 |
| 16   | 16  | 20  | 35  | 23    | 27    | 3 | 22  | ---    | ---    | 40  | 42.5 | --- | 18 | 32.5 | 1.5 | 4  | 8.5 | 17.5 | 10.0 | ---  | ---  | ---  | 5    | ---  | 6.0  | --- | ---  | --- | M5 | 9   | 1.1 |
| 18   | 18  | 22  | 37  | 27    | 33    | 3 | 24  | ---    | ---    | 42  | 45.0 | 55  | 20 | 33.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | ---  | ---  | ---  | 6    | ---  | 7.0  | --- | ---  | --- | M5 | 9   | 1.5 |
| 20   | 20  | 24  | 39  | 29    | 35    | 3 | 26  | ---    | ---    | 44  | 45.0 | 60  | 20 | 33.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | ---  | ---  | ---  | 6    | ---  | 5.5  | --- | ---  | --- | M5 | 9   | 1.5 |
| 22   | 22  | 26  | 41  | 31    | 37    | 3 | 28  | ---    | ---    | 45  | 45.0 | 60  | 20 | 33.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | ---  | ---  | ---  | 6    | ---  | 8.0  | --- | ---  | --- | M5 | 9   | 1.5 |
| 24   | 24  | 28  | 43  | 33    | 39    | 3 | 30  | ---    | ---    | 47  | 47.5 | 60  | 20 | 36.0 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | ---  | ---  | ---  | 6    | ---  | 5.5  | --- | ---  | --- | M6 | 9   | 1.5 |
| 25   | 25  | 30  | 45  | 34    | 40    | 3 | 32  | ---    | ---    | 49  | 47.5 | 60  | 20 | 36.0 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | ---  | ---  | ---  | 6    | ---  | 5.5  | --- | ---  | --- | M6 | 9   | 1.5 |
| 28   | 28  | 33  | 48  | 37    | 43    | 3 | 35  | 44.65  | 50.57  | 51  | 50.0 | 65  | 20 | 38.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | 24.0 | 8.5  | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 30   | 30  | 35  | 50  | 39    | 45    | 3 | 37  | 47.83  | 53.75  | 54  | 50.0 | 65  | 20 | 38.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | 24.5 | 9.0  | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 32   | 32  | 38  | 55  | 42    | 48    | 3 | 40  | 47.83  | 53.75  | 59  | 50.0 | 65  | 20 | 38.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | 24.5 | 9.0  | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 33   | 33  | 38  | 55  | 42    | 48    | 3 | 40  | 47.83  | 53.75  | 59  | 50.0 | 65  | 20 | 38.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | 24.5 | 9.0  | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 35   | 35  | 40  | 57  | 44    | 50    | 3 | 42  | 50.00  | 56.92  | 61  | 50.0 | 65  | 20 | 38.5 | 2.0 | 5  | 9.0 | 19.5 | 11.5 | 24.5 | 9.0  | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 38   | 38  | 43  | 60  | 49    | 56    | 4 | 45  | 54.18  | 60.10  | 65  | 52.5 | 75  | 23 | 38.5 | 2.0 | 6  | 9.0 | 22.0 | 14.0 | 26.0 | 11   | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 40   | 40  | 45  | 62  | 51    | 58    | 4 | 47  | 60.53  | 66.45  | 66  | 52.5 | 75  | 23 | 38.5 | 2.0 | 6  | 9.0 | 22.0 | 14.0 | 26.0 | 11   | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 43   | 43  | 48  | 65  | 54    | 61    | 4 | 50  | 63.70  | 69.62  | 69  | 52.5 | 75  | 23 | 38.5 | 2.0 | 6  | 9.0 | 22.0 | 14.0 | 26.0 | 11   | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 45   | 45  | 50  | 67  | 56    | 63    | 4 | 52  | 63.70  | 69.62  | 71  | 52.5 | 75  | 23 | 38.5 | 2.0 | 6  | 9.0 | 22.0 | 14.0 | 26.0 | 11   | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 48   | 48  | 53  | 70  | 59    | 66    | 4 | 55  | 66.88  | 72.80  | 75  | 52.5 | 85  | 23 | 38.5 | 2.0 | 6  | 9.0 | 22.0 | 14.0 | 26.0 | 11   | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 50   | 50  | 55  | 72  | 62    | 70    | 4 | 57  | 70.05  | 75.97  | 76  | 57.5 | 85  | 25 | 42.5 | 2.5 | 6  | 9.0 | 23.0 | 15.0 | 26.5 | 12.5 | 24   | 6    | 8.0  | 8.0  | 6.6 | 22.6 | 9   | M6 | 12  | 1.5 |
| 53   | 53  | 58  | 79  | 65    | 73    | 4 | 60  | 76.40  | 82.32  | 83  | 57.5 | 85  | 25 | 42.5 | 2.5 | 6  | 9.0 | 23.0 | 15.0 | 26.5 | 12.5 | 24   | 8    | 8.0  | 9.0  | 6.6 | 22.6 | 9   | M8 | 12  | 1.9 |
| 55   | 55  | 60  | 81  | 67    | 75    | 4 | 62  | 76.40  | 82.32  | 85  | 57.5 | 85  | 25 | 42.5 | 2.5 | 6  | 9.0 | 23.0 | 15.0 | 28.5 | 12.5 | 26   | 8    | 8.0  | 9.0  | 6.6 | 24.6 | 11  | M8 | 12  | 1.9 |
| 58   | 58  | 63  | 84  | 70    | 78    | 4 | 65  | 79.58  | 85.50  | 88  | 62.5 | 85  | 25 | 47.5 | 2.5 | 6  | 9.0 | 23.0 | 15.0 | 28.5 | 12.5 | 26   | 8    | 8.0  | 9.0  | 6.6 | 24.6 | 11  | M8 | 15  | 1.9 |
| 60   | 60  | 65  | 86  | 72    | 80    | 4 | 67  | 82.75  | 88.67  | 95  | 62.5 | 95  | 25 | 47.5 | 2.5 | 6  | 9.0 | 23.0 | 15.0 | 28.5 | 12.5 | 26   | 8    | 8.0  | 9.0  | 6.6 | 24.6 | 11  | M8 | 15  | 1.9 |
| 63   | 63  | 68  | 89  | 75    | 83    | 4 | 70  | 85.93  | 91.85  | 93  | 62.5 | 95  | 25 | 47.5 | 2.5 | 6  | 9.0 | 23.0 | 15.0 | 28.5 | 12.5 | 26   | 8    | 8.0  | 9.0  | 6.6 | 24.6 | 11  | M8 | 15  | 1.9 |
| 65   | 65  | 70  | 91  | 77    | 85    | 4 | 72  | 85.93  | 91.85  | 95  | 62.5 | 95  | 25 | 47.5 | 2.5 | 6  | 9.0 | 23.0 | 15.0 | 28.5 | 12.5 | 26   | 8    | 8.0  | 9.0  | 6.6 | 24.6 | 11  | M8 | 15  | 1.9 |
| 70   | 70  | 75  | 99  | 83    | 92    | 4 | 77  | 89.10  | 95.02  | 105 | 70.0 | 95  | 28 | 52.0 | 2.5 | 7  | 9.0 | 26.0 | 18.0 | 30.5 | 14.5 | 26   | 8    | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 15  | 1.9 |
| 75   | 75  | 80  | 104 | 88    | 97    | 4 | 82  | 98.63  | 104.55 | 109 | 70.0 | 105 | 28 | 52.0 | 2.5 | 7  | 9.0 | 26.0 | 18.0 | 30.5 | 14.5 | 26   | 8    | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 15  | 1.9 |
| 80   | 80  | 85  | 109 | 95    | 105   | 4 | 87  | 101.80 | 107.72 | 114 | 70.0 | 105 | 28 | 51.8 | 3.0 | 7  | 9.0 | 26.2 | 18.2 | 30.2 | 14.0 | 26   | 8    | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 15  | 1.9 |
| 85   | 85  | 90  | 114 | 100   | 110   | 4 | 92  | 108.15 | 114.07 | 119 | 75.0 | 105 | 28 | 56.8 | 3.0 | 7  | 9.0 | 26.2 | 18.2 | 30.2 | 14.0 | 26   | 10   | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 23  | 2.3 |
| 90   | 90  | 95  | 119 | 105   | 115   | 4 | 97  | 114.50 | 120.42 | 124 | 75.0 | 105 | 28 | 56.8 | 3.0 | 7  | 9.0 | 26.2 | 18.2 | 30.2 | 14.0 | 26   | 10   | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 23  | 2.3 |
| 95   | 95  | 100 | 124 | 110   | 120   | 4 | 102 | 117.68 | 123.60 | 129 | 75.0 | 105 | 28 | 57.8 | 3.0 | 7  | 9.0 | 25.2 | 17.2 | 29.2 | 14.0 | 26   | 10   | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 23  | 2.3 |
| 100  | 100 | 105 | 129 | 115   | 125   | 4 | 107 | 124.03 | 129.95 | 134 | 75.0 | 105 | 28 | 57.8 | 3.0 | 7  | 9.0 | 25.2 | 17.2 | 29.2 | 14.0 | 26   | 10   | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 23  | 2.3 |
| 105  | 105 | 115 | 148 | 122.2 | 134.3 | 5 | 118 | 128.98 | 134.90 | 153 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 29.2 | 15.2 | 26   | 10   | 8.0  | 10.0 | 6.6 | 24.6 | 11  | M8 | 18  | 2.3 |
| 110  | 110 | 120 | 153 | 128.2 | 140.3 | 5 | 123 | 135.30 | 141.20 | 158 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 32.5 | 14.5 | 30   | 10   | 9.5  | 10.0 | 6.6 | 28.6 | 13  | M8 | 18  | 2.3 |
| 115  | 115 | 125 | 158 | 136.2 | 148.3 | 5 | 128 | 140.30 | 146.20 | 163 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 32.5 | 14.5 | 30   | 10   | 9.5  | 10.0 | 6.6 | 28.6 | 13  | M8 | 18  | 2.3 |
| 120  | 120 | 130 | 163 | 138.2 | 150.3 | 5 | 133 | 145.30 | 151.20 | 168 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 32.5 | 14.5 | 30   | 10   | 9.5  | 10.0 | 6.6 | 28.6 | 13  | M8 | 18  | 2.3 |
| 125  | 125 | 135 | 168 | 142.2 | 154.3 | 5 | 138 | 150.30 | 156.20 | 173 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 32.5 | 14.5 | 30   | 10   | 9.5  | 10.0 | 6.6 | 28.6 | 13  | M8 | 18  | 2.3 |
| 130  | 130 | 140 | 173 | 146.2 | 158.3 | 5 | 143 | 155.30 | 161.20 | 178 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 32.5 | 14.5 | 30   | 10   | 9.5  | 10.0 | 6.6 | 28.6 | 13  | M8 | 18  | 2.3 |
| 135  | 135 | 145 | 178 | 152.2 | 164.3 | 5 | 148 | 160.30 | 166.20 | 183 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 32.5 | 14.5 | 30   | 10   | 9.5  | 10.0 | 6.6 | 28.6 | 13  | M8 | 18  | 2.3 |
| 140  | 140 | 150 | 183 | 156.2 | 168.3 | 5 | 153 | 165.30 | 171.20 | 188 | 73.0 | --- | 32 | 53.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 32.5 | 14.5 | 30   | 10   | 9.5  | 10.0 | 6.6 | 28.6 | 13  | M8 | 18  | 2.3 |
| 145  | 145 | 155 | 191 | 161.2 | 173.3 | 5 | 158 | 172.30 | 178.20 | 196 | 83.0 | --- | 34 | 63.0 | 2.0 | 10 | --- | 30.0 | 20.0 | 34.5 | 16.5 | 32   | 12.0 | 10.0 | 12.0 | 7.1 | 30.1 | 14  | M8 | 22  | 2.1 |
| 150  | 150 | 160 | 196 | 168.2 | 180.3 | 5 | 163 | 177.30 | 183.20 | 201 | 85.0 | --- | 36 | 63.0 | 2.0 | 10 | --- | 32.0 | 22.0 | 34.5 | 16.5 | 32   | 12.0 | 10.0 | 12.0 | 7.1 | 30.1 | 14  | M8 | 22  | 2.1 |
| 155  | 155 | 165 | 201 | 173.2 | 185.3 | 5 | 168 | 182.30 | 188.20 | 206 | 87.0 | --- | 38 | 63.0 | 2.0 | 12 | --- | 34.0 | 24.0 | 34.5 | 16.5 | 32   | 12.0 | 10.0 | 12.0 | 7.1 | 30.1 | 14  | M8 | 22  | 2.1 |
| 160  | 160 | 170 | 206 | 178.2 | 190.3 | 5 | 173 | 187.30 | 193.20 | 211 | 87.0 | --- | 38 | 63.0 | 2.0 | 12 | --- | 34.0 | 24.0 | 34.5 | 16.5 | 32   | 12.0 | 10.0 | 12.0 | 7.1 | 30.1 | 14  | M8 | 22  | 2.1 |
| 165  | 165 | 175 | 211 | 183.2 | 195.3 | 5 | 178 | 192.30 | 198.20 | 216 | 87.0 | --- | 38 | 63.0 | 2.0 | 12 | --- | 34.0 | 24.0 | 34.5 | 16.5 | 32   | 12.0 | 10.0 | 12.0 | 7.1 | 30.1 | 14  | M8 | 22  | 2.1 |
| 170  | 170 | 180 | 216 | 188.2 | 200.3 | 5 | 183 | 197.30 | 203.20 | 221 | 87.0 | --- | 38 | 63.0 | 2.0 | 12 | --- | 34.0 | 24.0 | 37   | 16.5 | 34.5 | 12.0 | 10.0 | 12.0 | 7.1 | 32.1 | 16  | M8 | 22  | 2.1 |
| 175  | 175 | 185 | 221 | 193.2 | 205.3 | 5 | 188 | 202.30 | 208.20 | 226 | 87.0 | --- | 38 | 63.0 | 2.0 | 12 | --- | 34.0 | 24.0 | 37   | 16.5 | 34.5 | 12.0 | 10.0 | 12.0 | 7.1 | 32.1 | 16  | M8 | 22  | 2.1 |
| 180  | 180 | 190 | 226 | 207.5 | 219.3 | 5 | 193 | 207.30 | 213.20 | 231 | 91.0 | --- | 42 | 63.0 | 2.0 | 12 | --- | 38.0 | 28.0 | 37   | 16.5 | 34.5 | 12.0 | 10.0 | 12.0 | 7.1 | 32.1 | 16  | M8 | 22  | 2.1 |
| 185  | 185 | 195 | 231 | 212.5 | 224.3 | 5 | 198 | 212.30 | 218.20 | 236 | 91.0 | --- | 42 | 63.0 | 2.0 | 12 | --- | 38.0 | 28.0 | 37   | 16.5 | 34.5 | 12.0 | 10.0 | 12.0 | 7.1 | 32.1 | 1   |    |     |     |