





| Model | Rasio<br>kecepatan | Backlash | Berat | Nilai torsi<br>pada<br>2000r/min<br>input |      | Torsi<br>puncak<br>diizinkan di<br>berhenti<br>awal |      | Nilai maks<br>yang<br>diizinkan<br>dari torsi<br>beban<br>rata-rata |      | Torsi<br>instan<br>maks yang<br>diizinkan |      | Kecepatan<br>input maks<br>yang<br>diizinkan |      | Kecepatan<br>input<br>rata-rata<br>yang<br>diizinkan |      | Momen inersia                 |                                  |
|-------|--------------------|----------|-------|-------------------------------------------|------|-----------------------------------------------------|------|---------------------------------------------------------------------|------|-------------------------------------------|------|----------------------------------------------|------|------------------------------------------------------|------|-------------------------------|----------------------------------|
|       |                    | Arcsec   | Kg    | Nm                                        | Kgfm | Nm                                                  | Kgfm | Nm                                                                  | Kgfm | Nm                                        | Kgfm | R/min                                        |      | R/min                                                |      | $\times 10^{-4} \text{kgm}^2$ | $\times 10^{-5} \text{kg FMS}^2$ |
| ZXS40 | 50:1               | ≤30      | 4.54  | 178                                       | 18   | 523                                                 | 53   | 255                                                                 | 26   | 892                                       | 91   | 5600                                         | 4000 | 3600                                                 | 3000 | 4.5                           | 4.59                             |
|       | 80:1               |          |       | 268                                       | 27   | 675                                                 | 69   | 369                                                                 | 38   | 1270                                      | 130  |                                              |      |                                                      |      |                               |                                  |
|       | 100:1              |          |       | 345                                       | 35   | 738                                                 | 75   | 484                                                                 | 49   | 1400                                      | 143  |                                              |      |                                                      |      |                               |                                  |
|       | 120:1              |          |       | 382                                       | 39   | 802                                                 | 82   | 586                                                                 | 60   | 1530                                      | 156  |                                              |      |                                                      |      |                               |                                  |
|       | 160:1              |          |       | 382                                       | 39   | 841                                                 | 86   | 586                                                                 | 60   | 1530                                      | 156  |                                              |      |                                                      |      |                               |                                  |

Catatan: ZXS40 memiliki dua jenis ukuran lubang poros: lubang poros konvensional standar 19mm dan lubang kunci 6mm; Lubang poros tidak konvensional 22mm, keyway 8mm.

|       |       |     |     |     |    |      |     |     |    |      |     |      |      |      |      |      |      |
|-------|-------|-----|-----|-----|----|------|-----|-----|----|------|-----|------|------|------|------|------|------|
| ZXS45 | 50:1  | ≤30 | 6.7 | 229 | 23 | 650  | 66  | 345 | 35 | 1235 | 126 | 5000 | 3800 | 3300 | 3000 | 8.68 | 8.86 |
|       | 80:1  |     |     | 407 | 41 | 918  | 94  | 507 | 52 | 1651 | 168 |      |      |      |      |      |      |
|       | 100:1 |     |     | 459 | 47 | 982  | 100 | 650 | 66 | 2041 | 208 |      |      |      |      |      |      |
|       | 160:1 |     |     | 523 | 53 | 1147 | 117 | 819 | 84 | 2483 | 253 |      |      |      |      |      |      |

Catatan: ZXS45 memiliki dua jenis ukuran lubang poros: lubang poros konvensional standar 19mm dan kunci 6mm; Lubang poros tidak konvensional 22mm, keyway 8mm.

|              |              |            |           |            |           |             |            |             |            |             |            |             |             |             |             |             |             |
|--------------|--------------|------------|-----------|------------|-----------|-------------|------------|-------------|------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>ZXS50</b> | <b>100:1</b> | <b>≤30</b> | <b>15</b> | <b>611</b> | <b>62</b> | <b>1274</b> | <b>130</b> | <b>866</b>  | <b>88</b>  | <b>2678</b> | <b>273</b> | <b>4500</b> | <b>3500</b> | <b>3000</b> | <b>2500</b> | <b>12.5</b> | <b>12.8</b> |
|              | <b>160:1</b> |            |           | <b>688</b> | <b>70</b> | <b>1534</b> | <b>156</b> | <b>1096</b> | <b>112</b> | <b>3185</b> | <b>325</b> |             |             |             |             |             |             |

Catatan: ZXS50 memiliki dua jenis ukuran lubang poros: lubang poros konvensional standar 19mm dan lubang kunci 6mm; Lubang poros tidak konvensional 22mm, keyway 8mm.

|       |       |     |    |     |    |      |     |      |     |      |     |      |      |      |      |      |      |
|-------|-------|-----|----|-----|----|------|-----|------|-----|------|-----|------|------|------|------|------|------|
| ZXS58 | 100:1 | ≤30 | 17 | 905 | 92 | 2067 | 211 | 1378 | 141 | 4134 | 422 | 4000 | 3000 | 2700 | 2200 | 27.3 | 27.9 |
|       | 160:1 |     |    | 969 | 99 | 2392 | 244 | 1573 | 160 | 4459 | 455 |      |      |      |      |      |      |

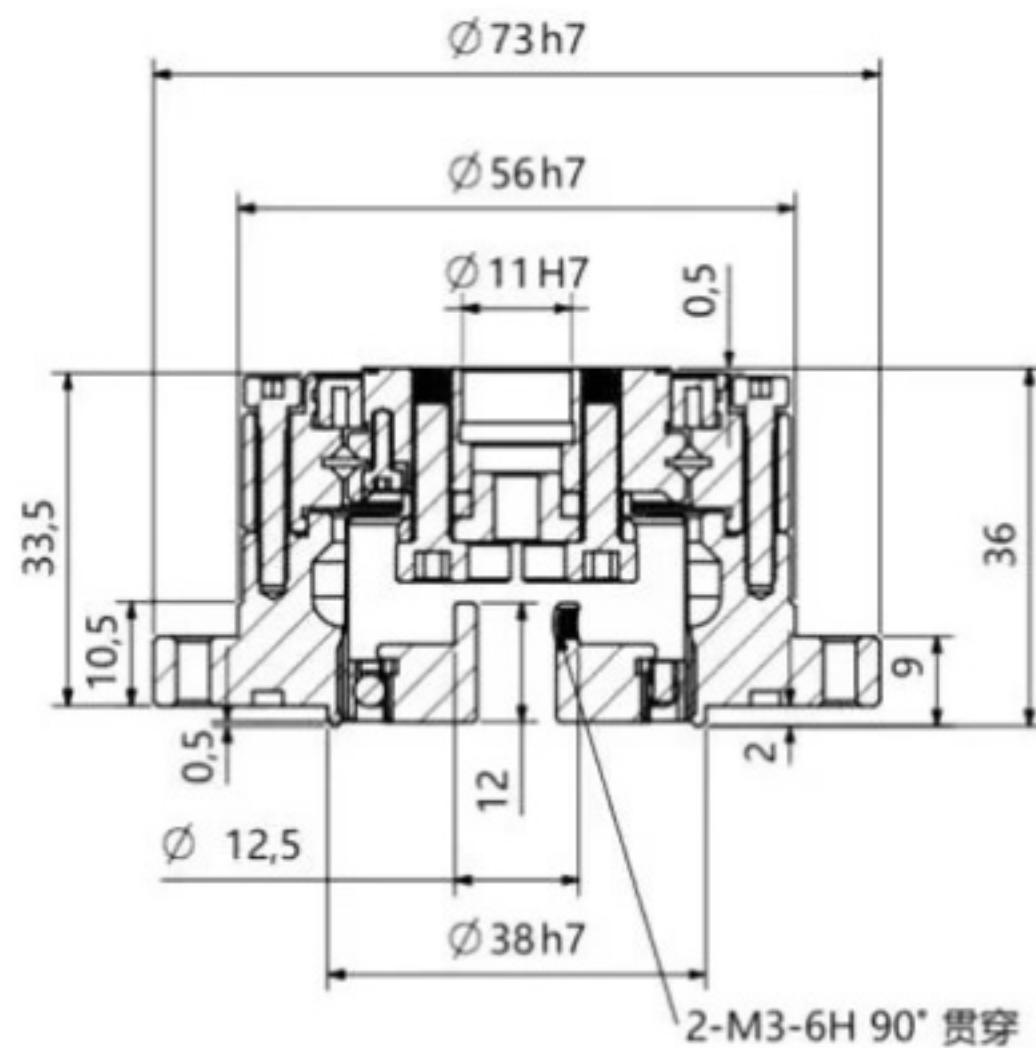
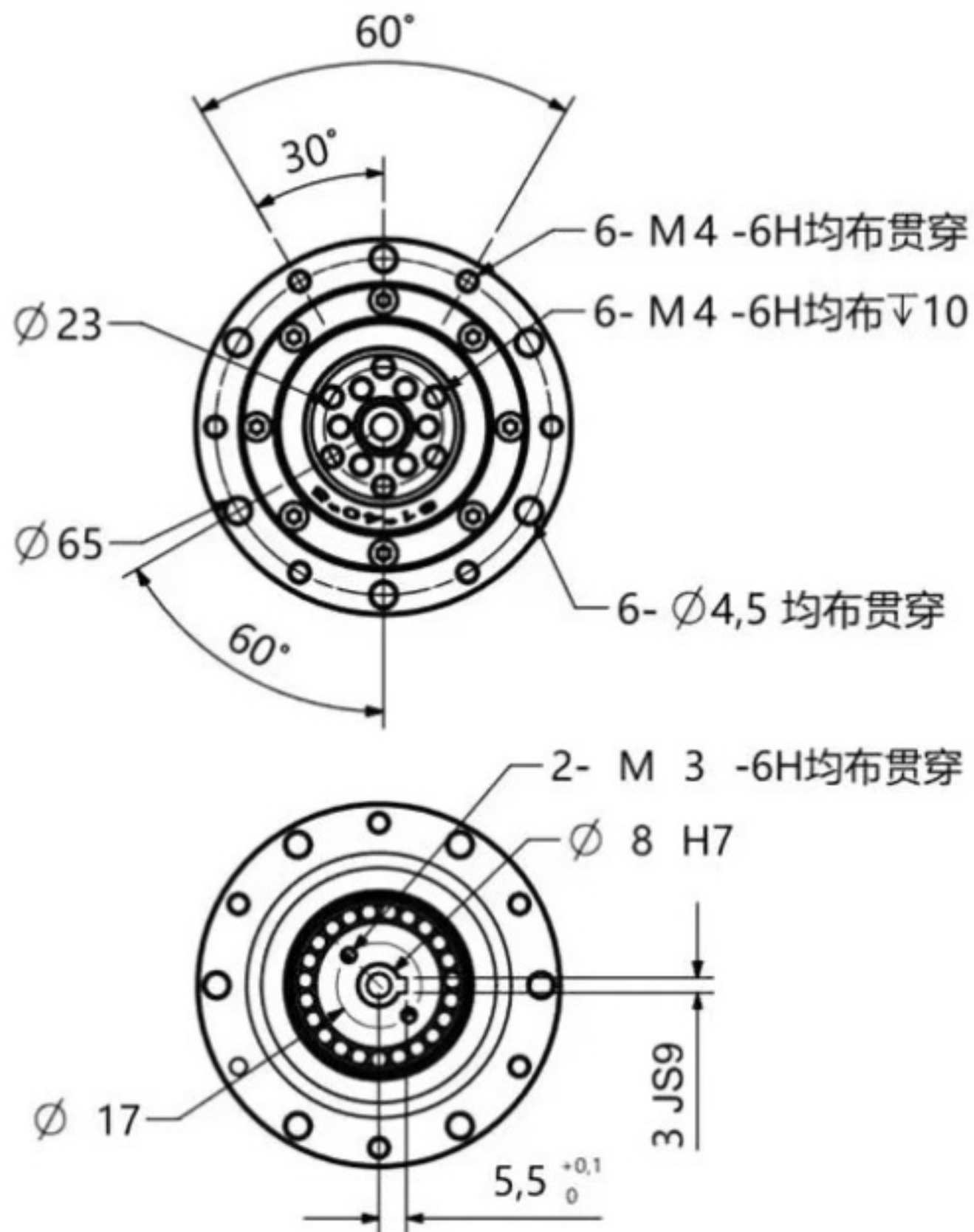
**Catatan: ZXS58 memiliki dua jenis ukuran lubang poros: lubang poros konvensional standar 19mm dan lubang kunci 6mm; Lubang poros tidak konvensional 22mm, keyway 8mm.**

|       |       |     |    |      |     |      |     |      |     |      |     |      |      |      |      |      |      |
|-------|-------|-----|----|------|-----|------|-----|------|-----|------|-----|------|------|------|------|------|------|
| ZXS65 | 100:1 | ≤30 | 20 | 1236 | 126 | 2990 | 305 | 1976 | 202 | 6175 | 630 | 3500 | 2800 | 2400 | 1900 | 46.8 | 47.8 |
|       | 160:1 |     |    | 1236 | 126 | 3419 | 349 | 2041 | 208 | 6175 | 630 |      |      |      |      |      |      |

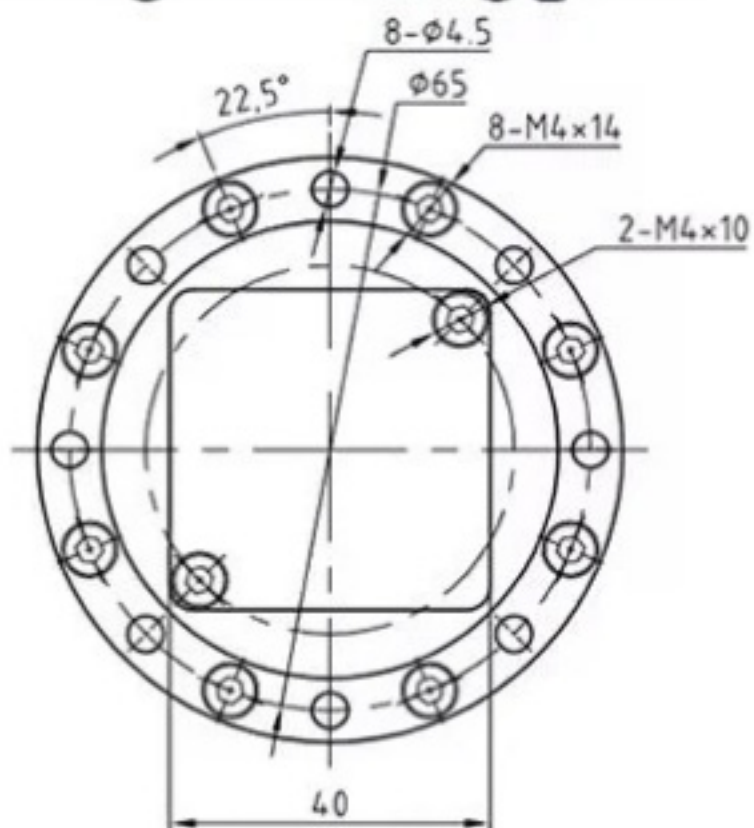
Catatan: ZXS65 memiliki dua jenis ukuran lubang poros: lubang poros konvensional standar 19mm dan lubang kunci 6mm; Lubang poros tidak konvensional 22mm, keyway 8mm.



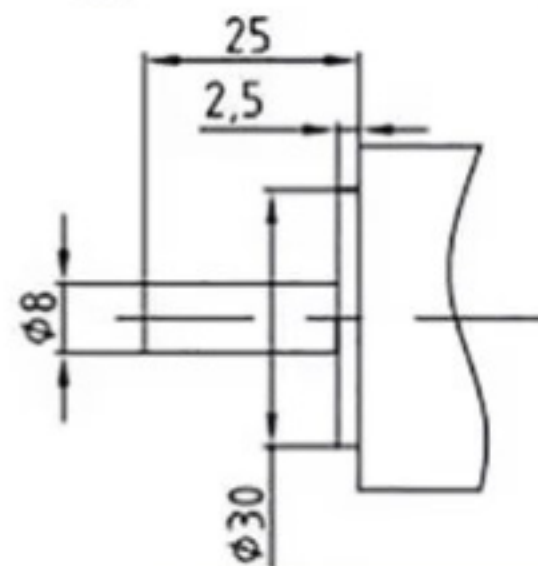
## ZXS14 Harmonic Reducer



### Motor flange mounting plate

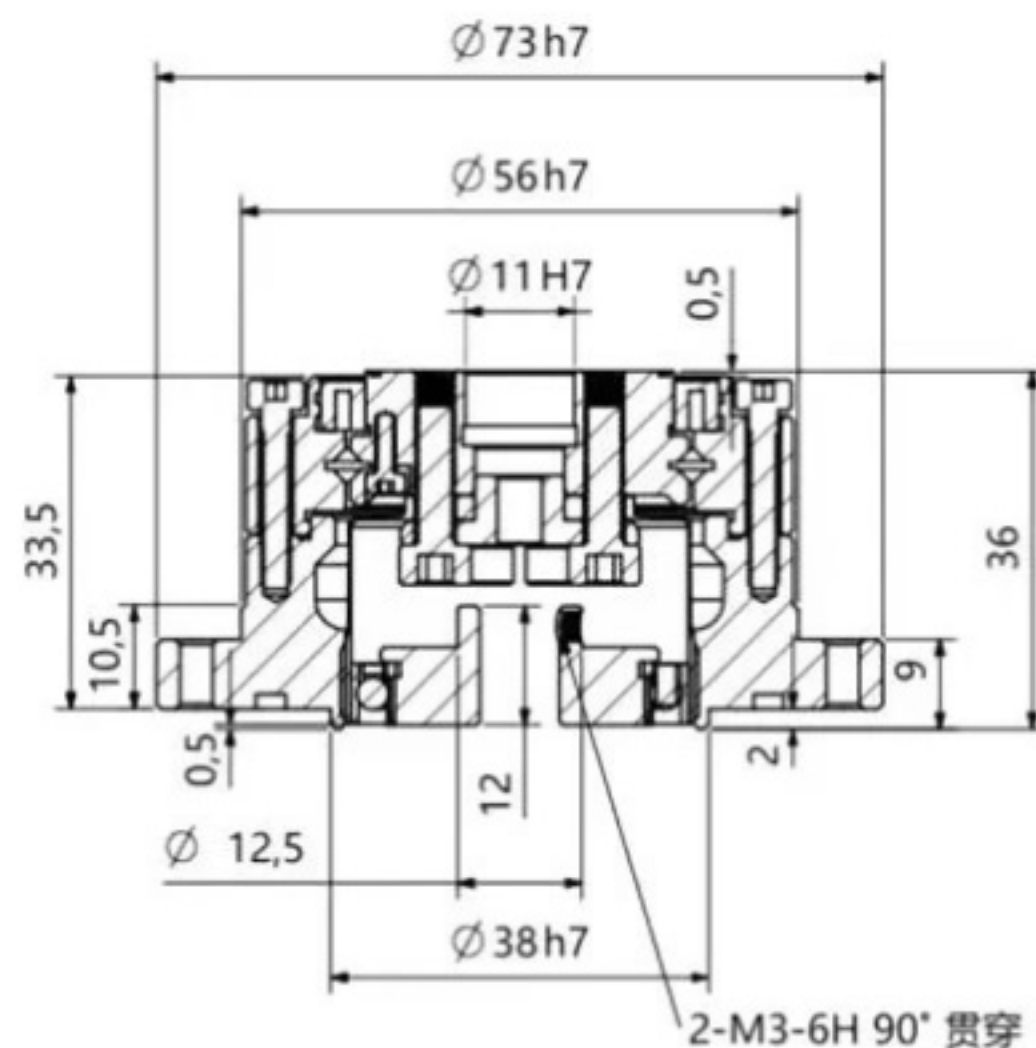
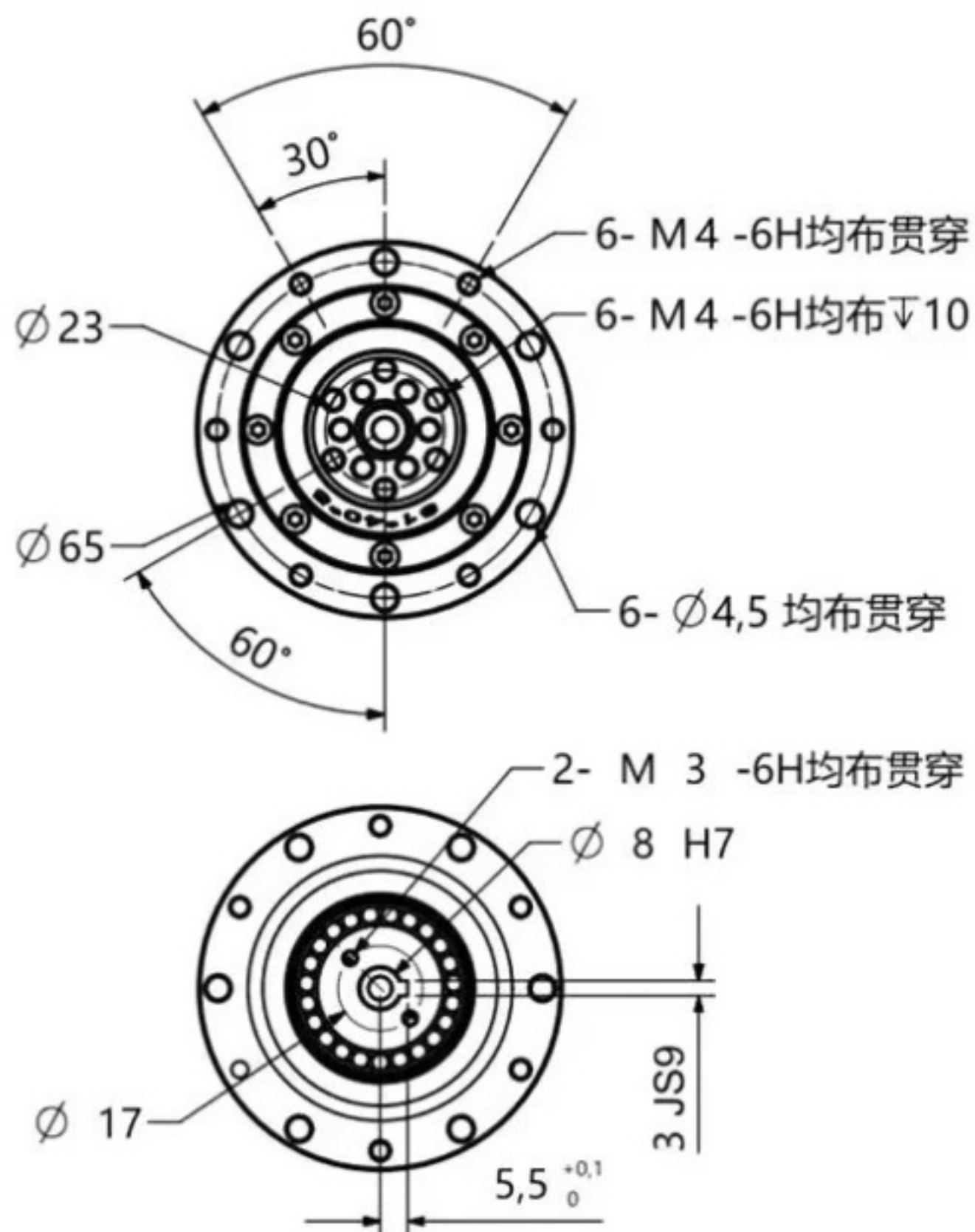


### Adapted motor size

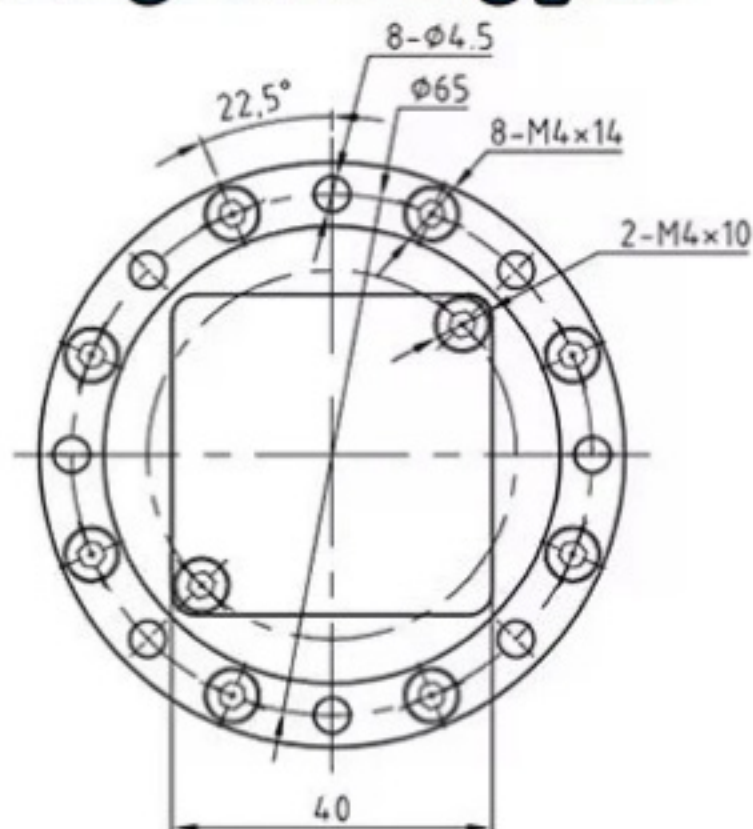


**For 100W 40mm  
Flange Servo Motor**

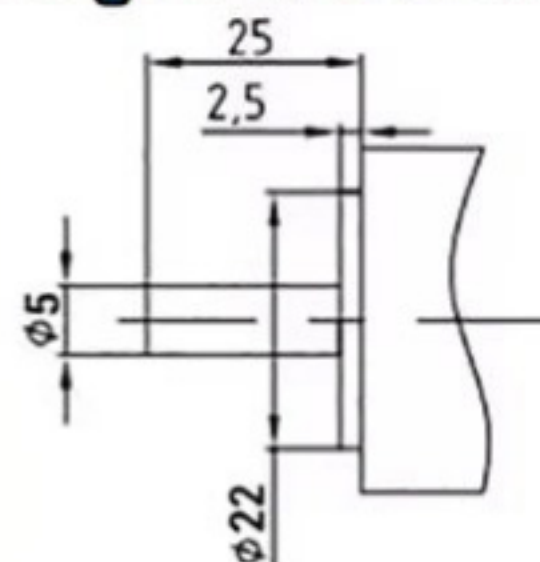
# ZXS14 Harmonic Reducer



## Motor flange mounting plate



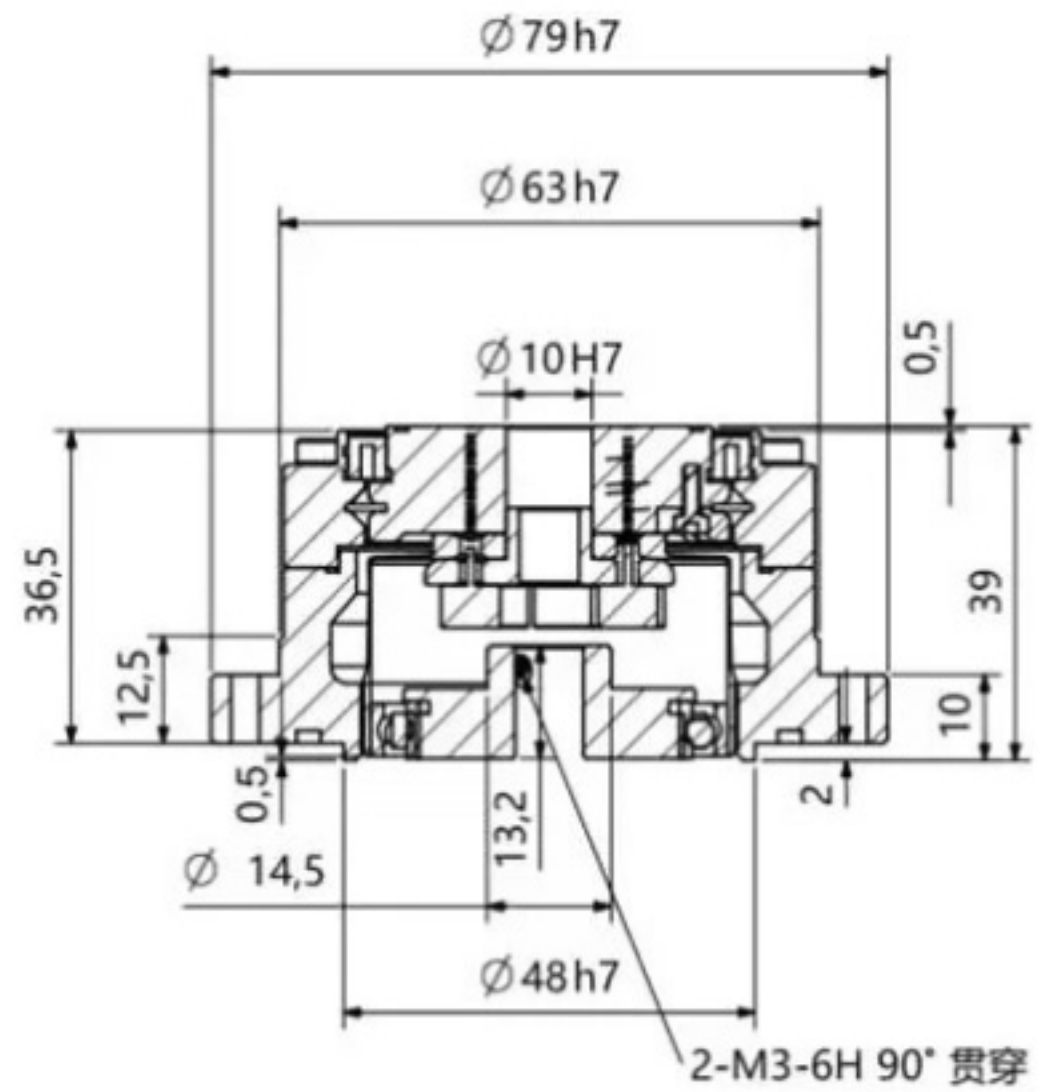
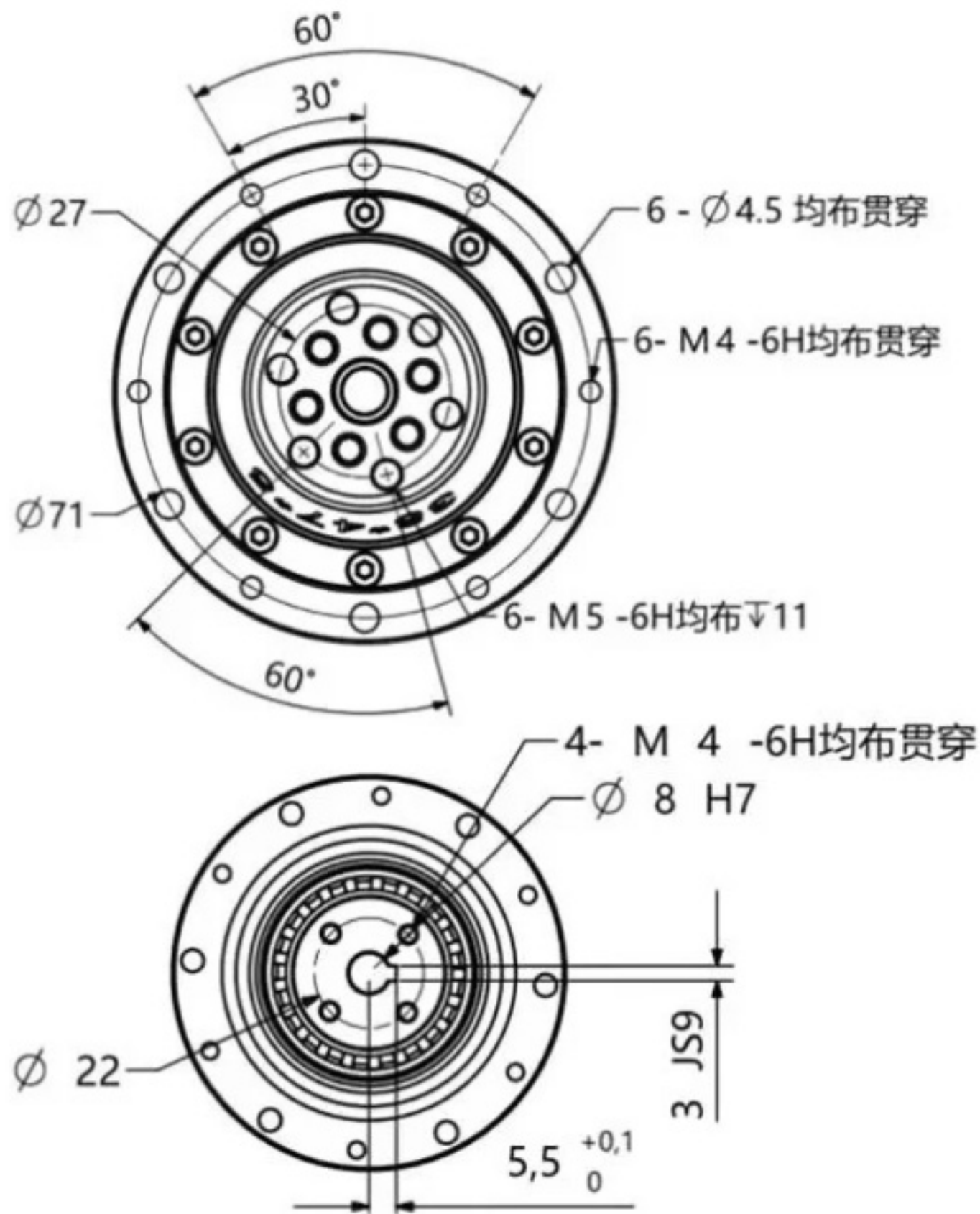
## Adapted motor size



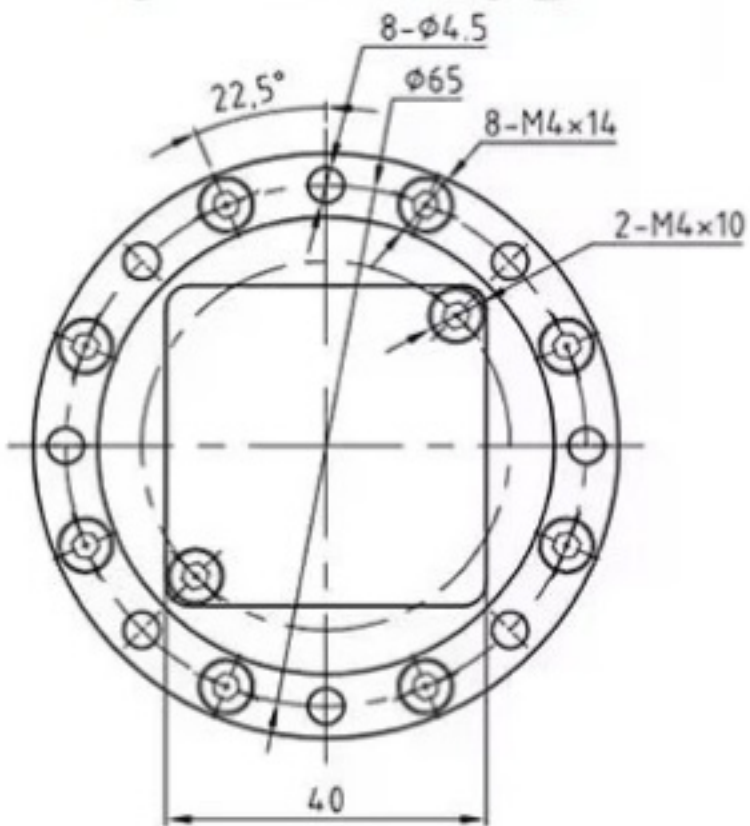
**For Nema 17 42mm  
Flange Stepper Motor**



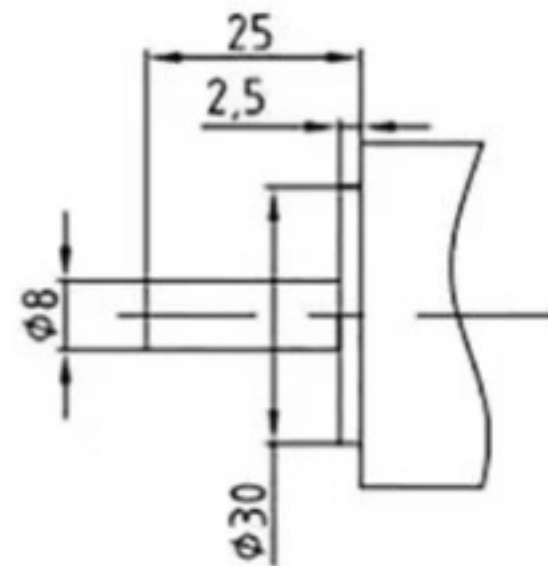
## ZXS17 Harmonic Reducer



## Motor flange mounting plate



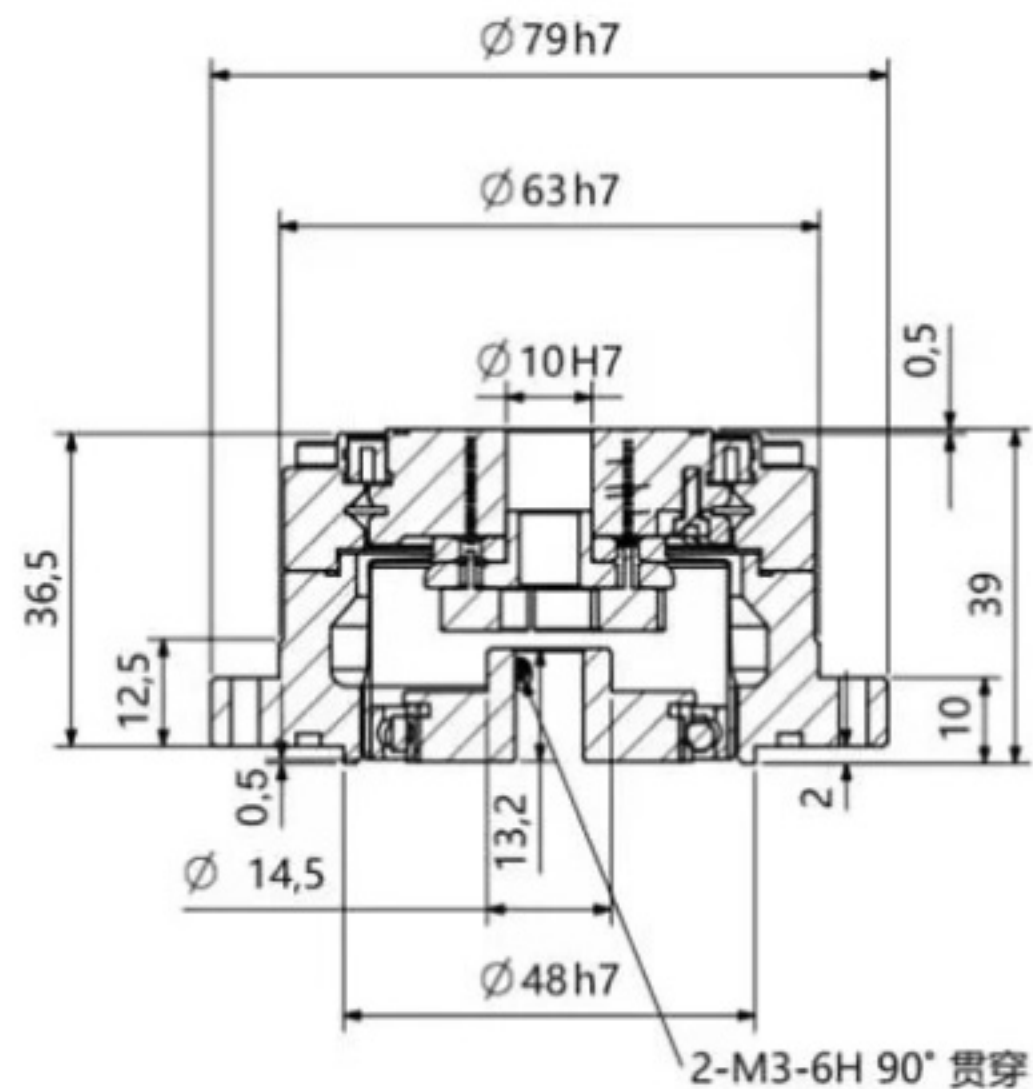
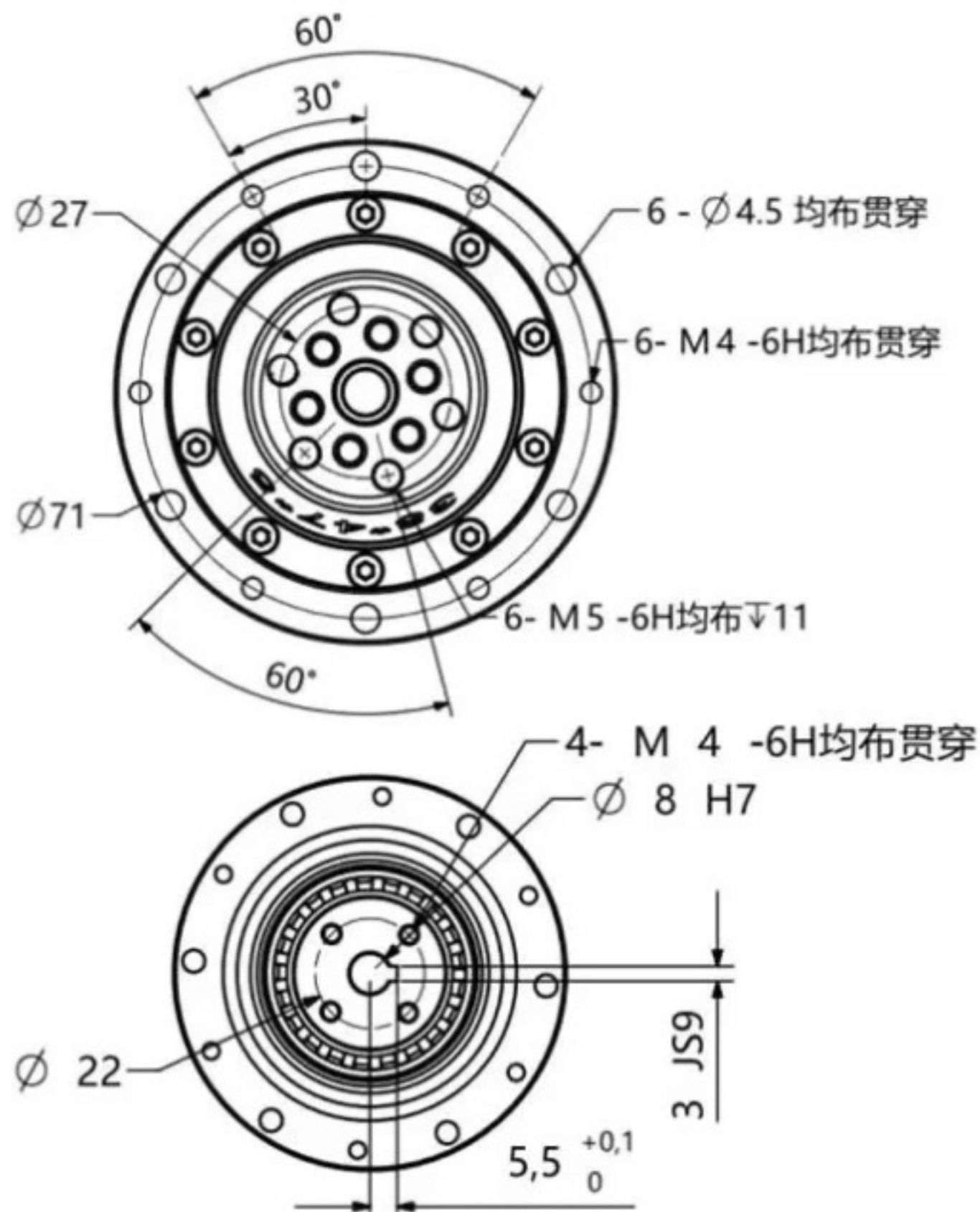
### Adapted motor size



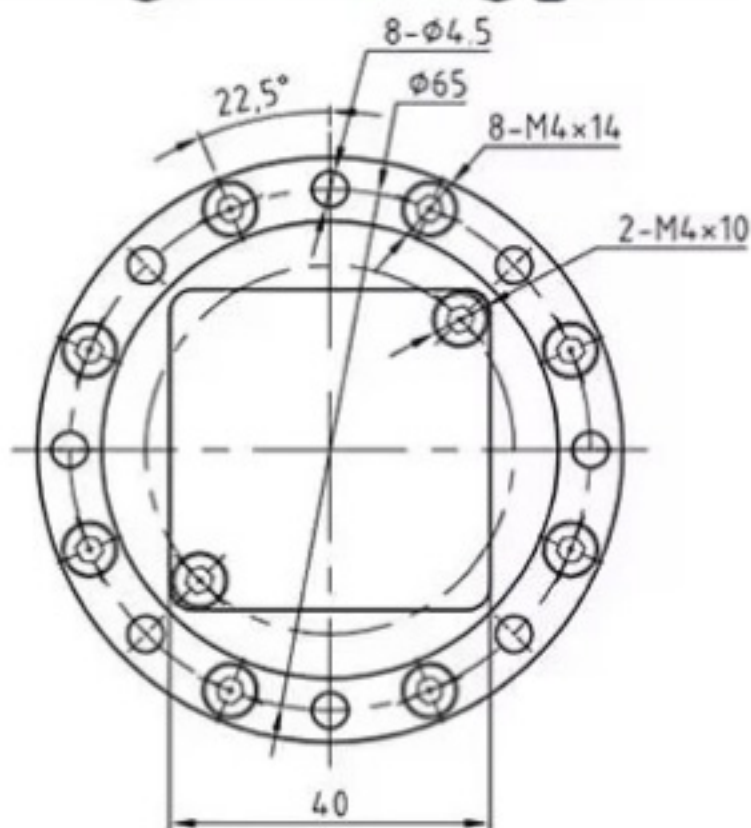
**For 100W 40mm  
Flange Servo Motor**



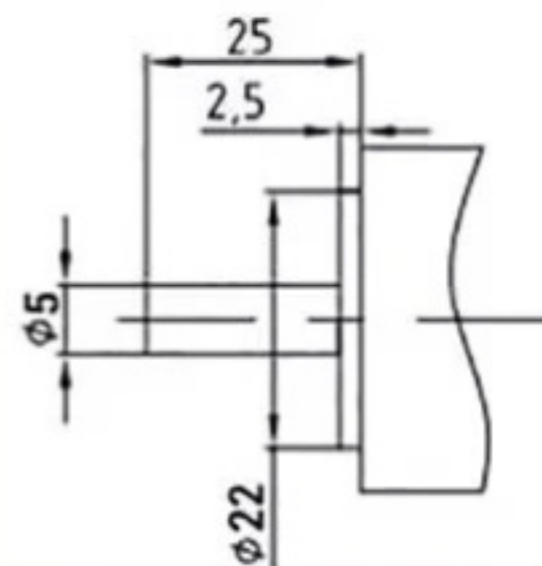
## ZXS17 Harmonic Reducer



## Motor flange mounting plate



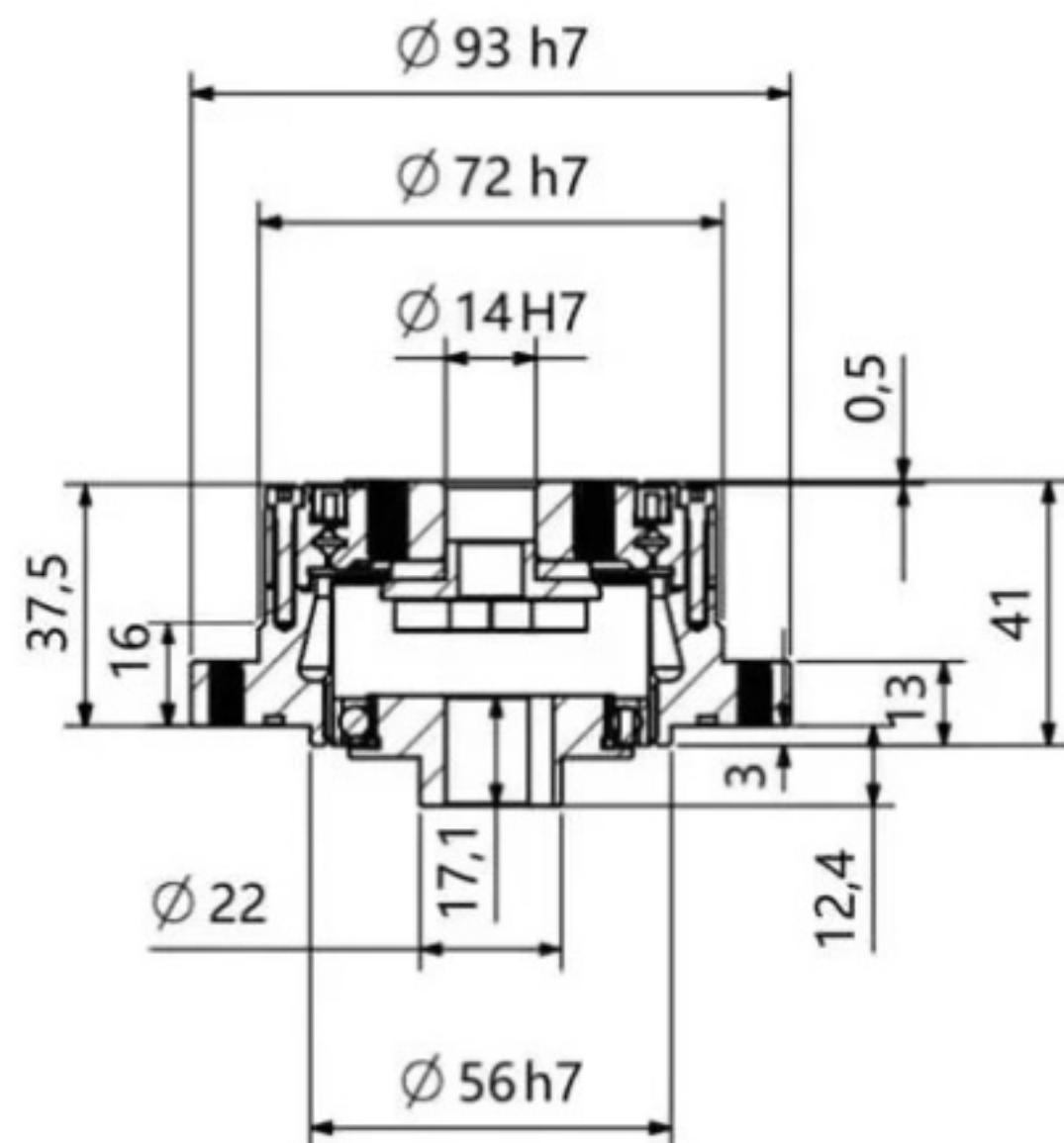
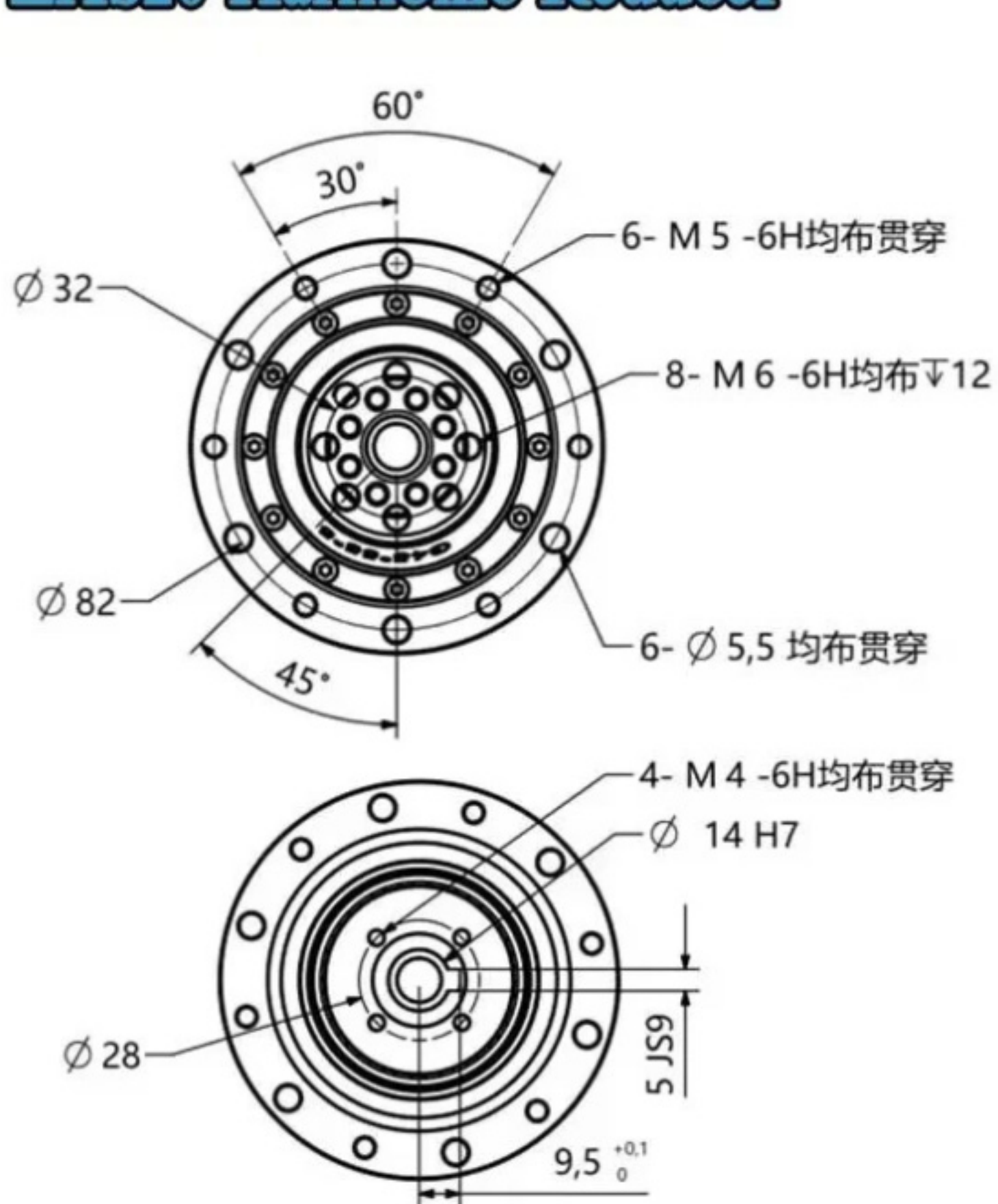
### Adapted motor size



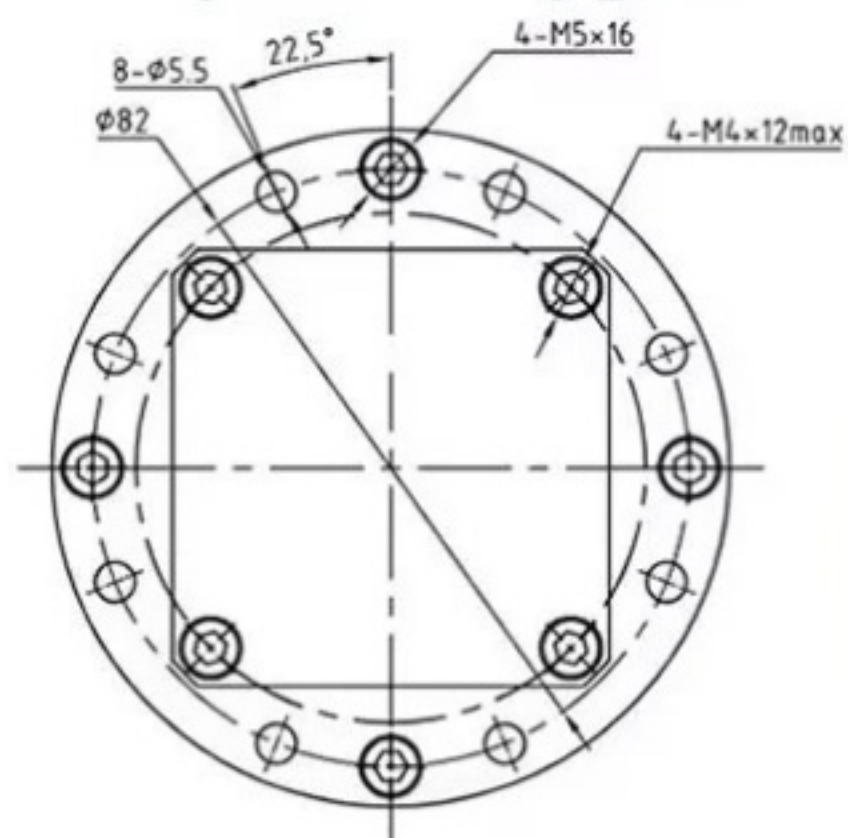
**For Nema 17 42mm  
Flange Stepper Motor**



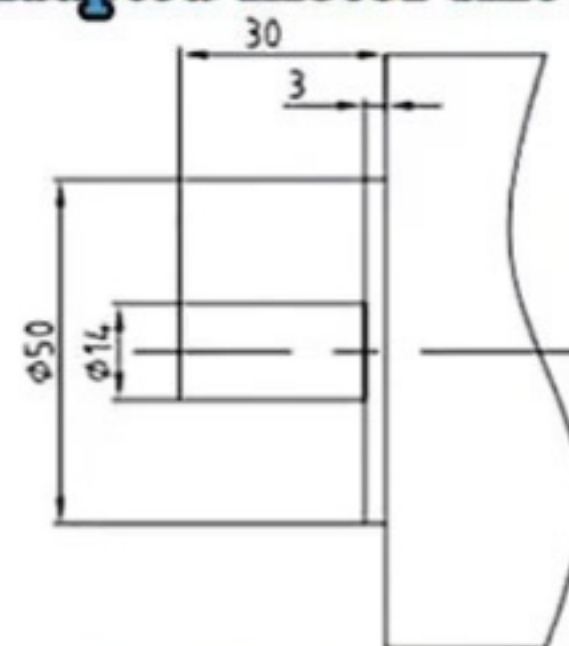
# ZXS20 Harmonic Reducer



## Motor flange mounting plate



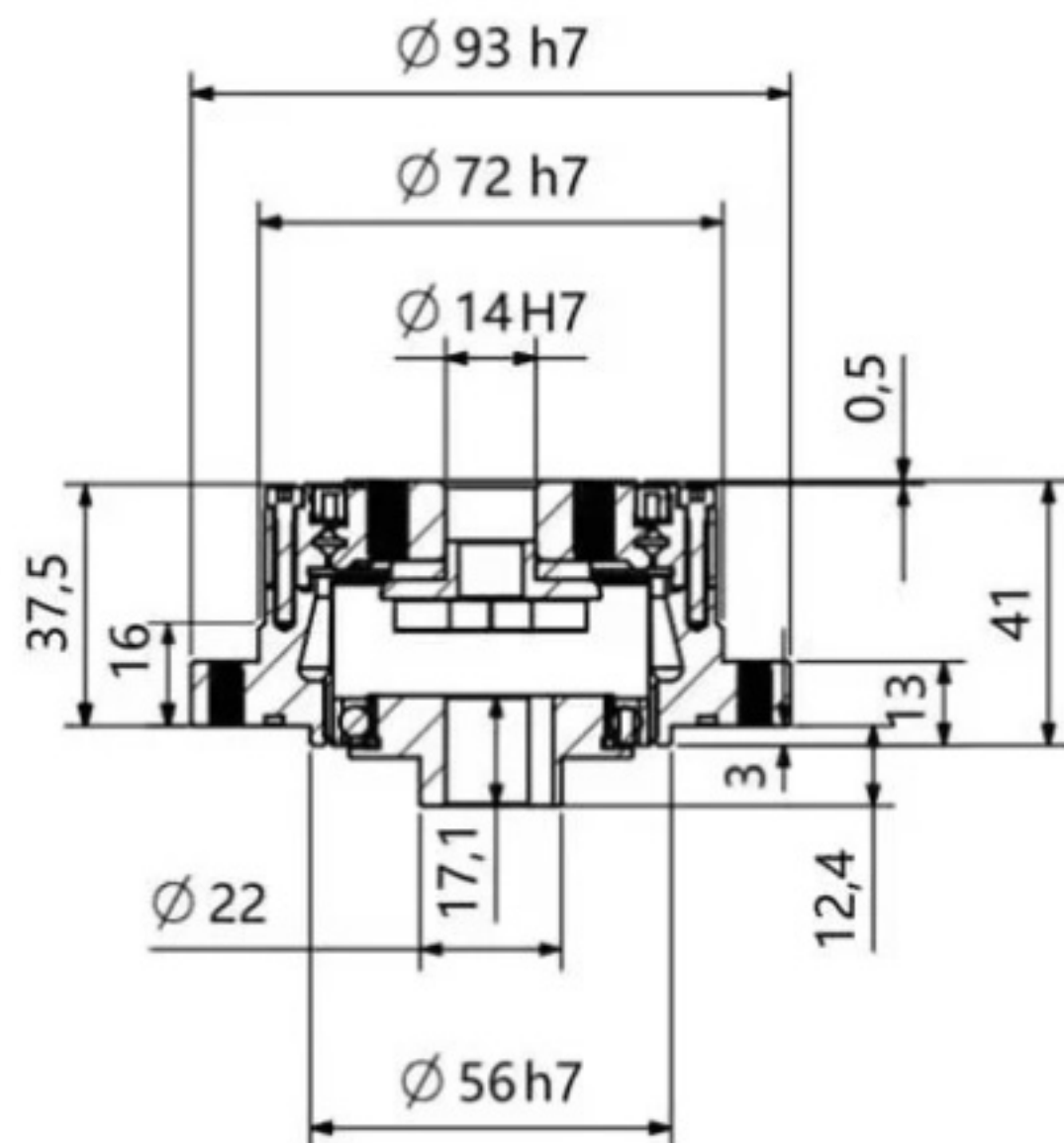
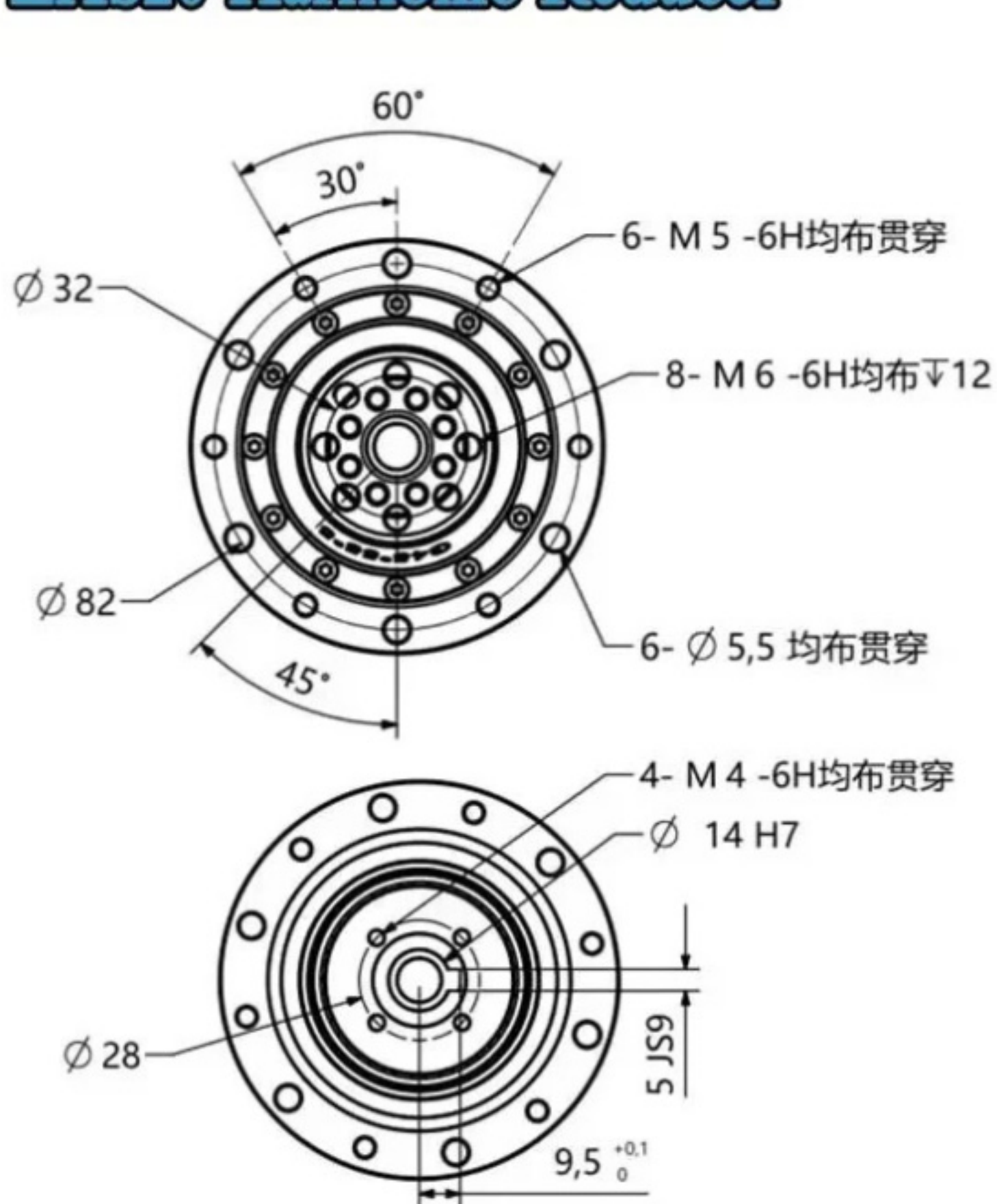
## Adapted motor size



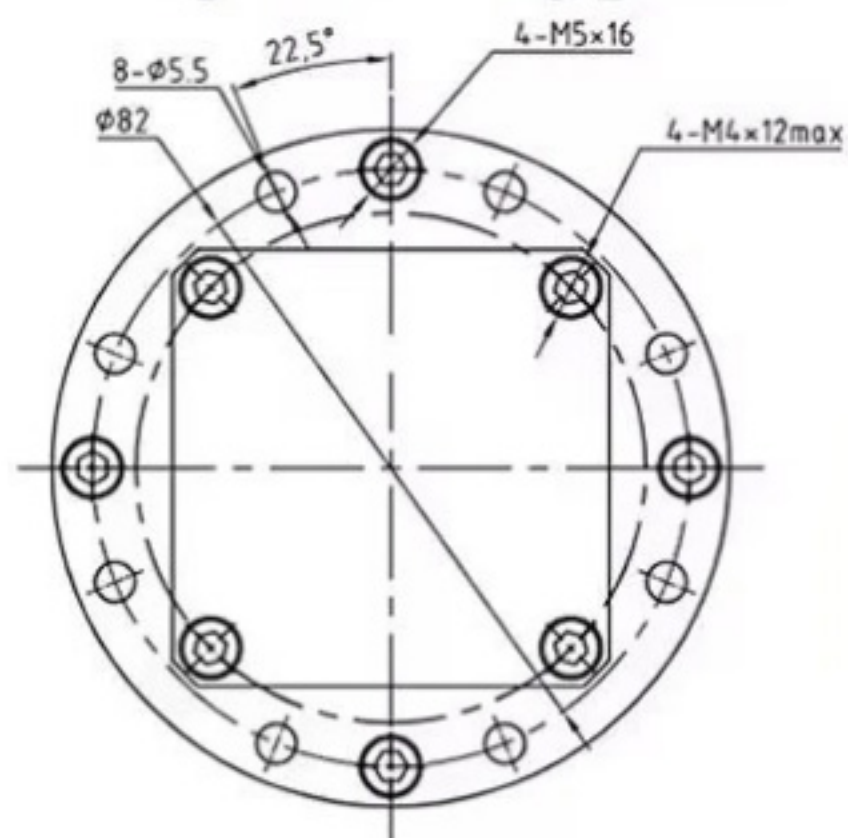
For 60mm Flange Servo Motor



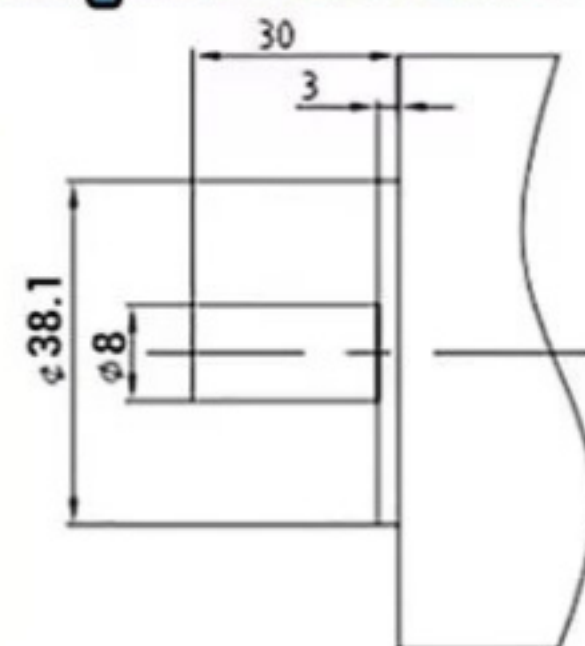
# ZXS20 Harmonic Reducer



## Motor flange mounting plate



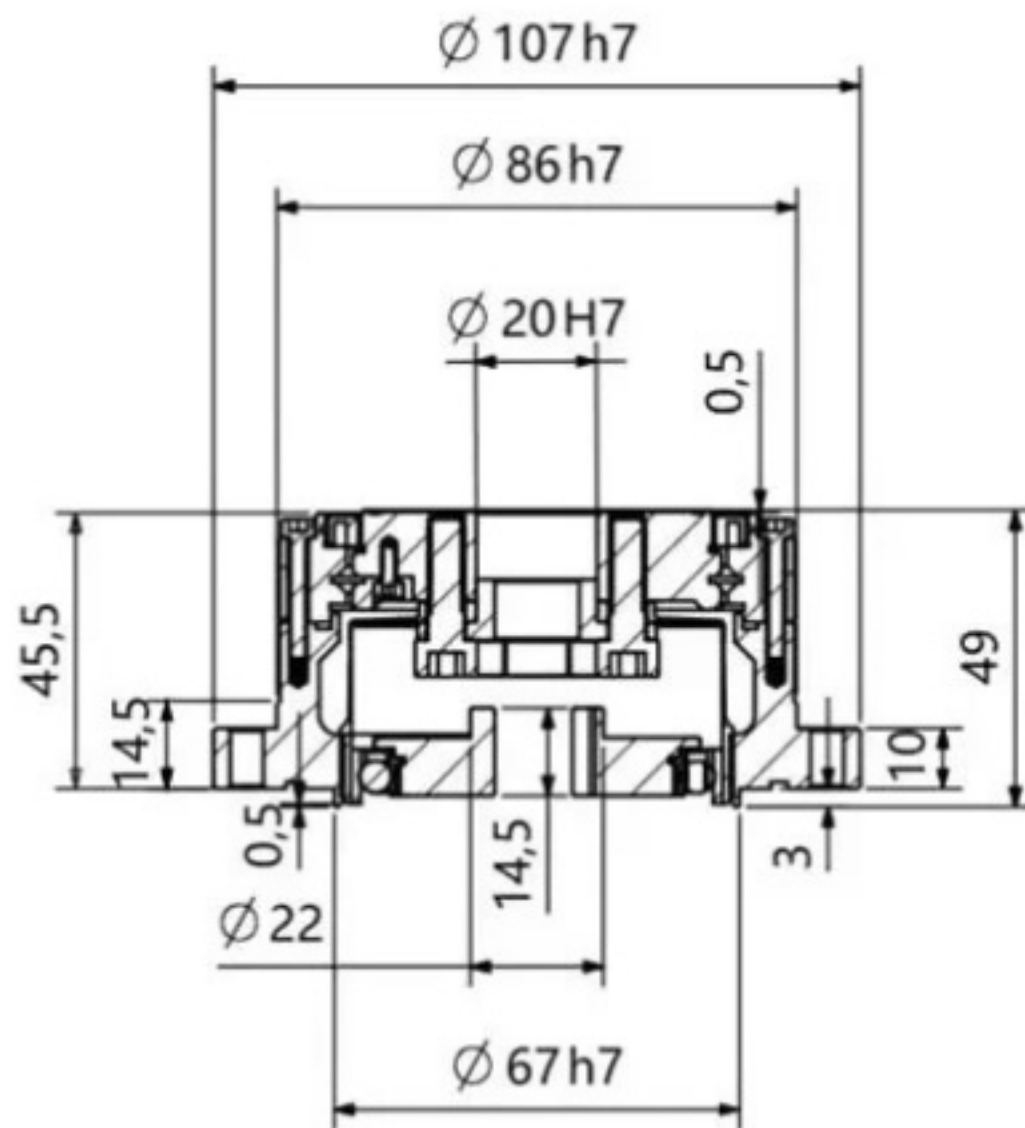
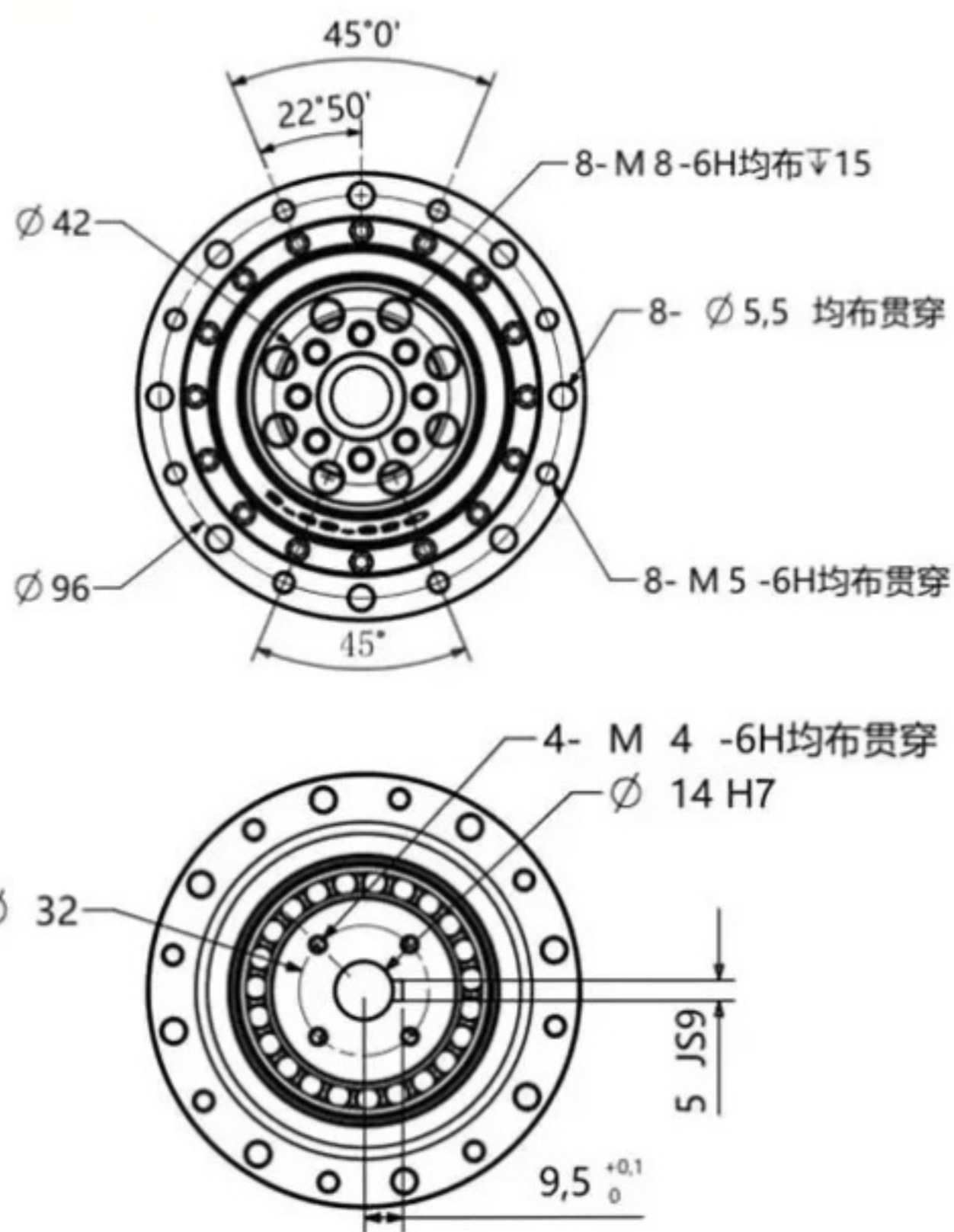
## Adapted motor size



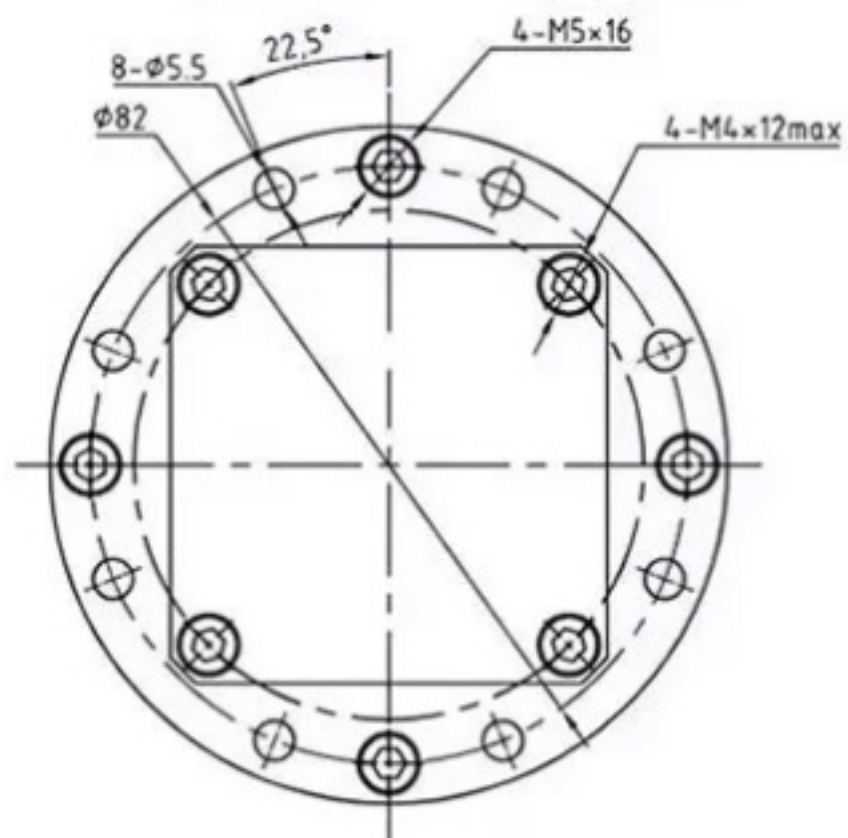
For Nema 23 57mm  
Flange Stepper Motor



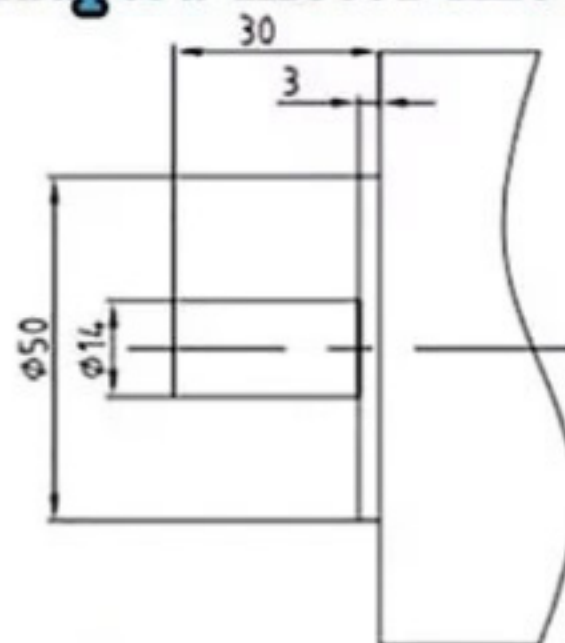
## ZXS25 Harmonic Reducer



## Motor flange mounting plate



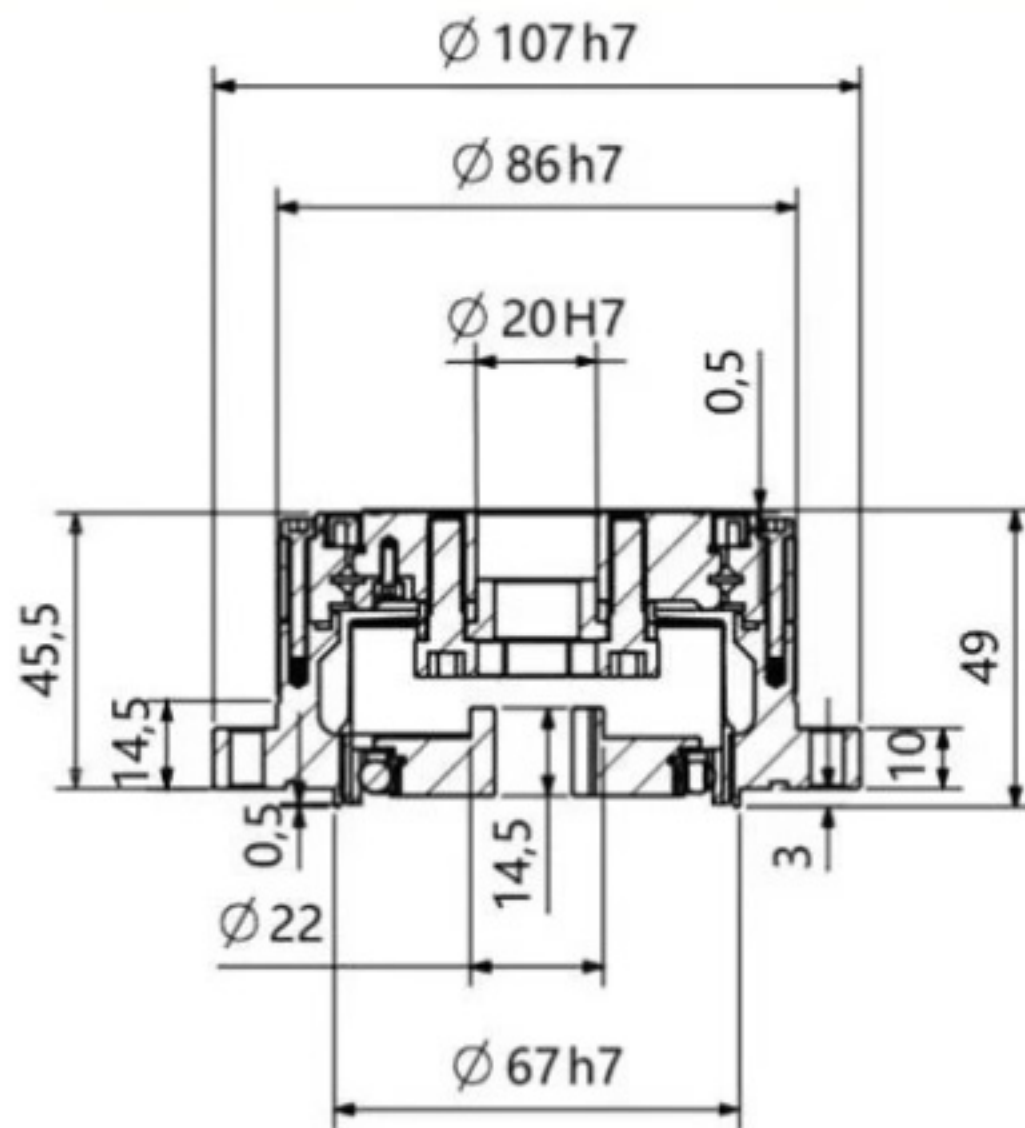
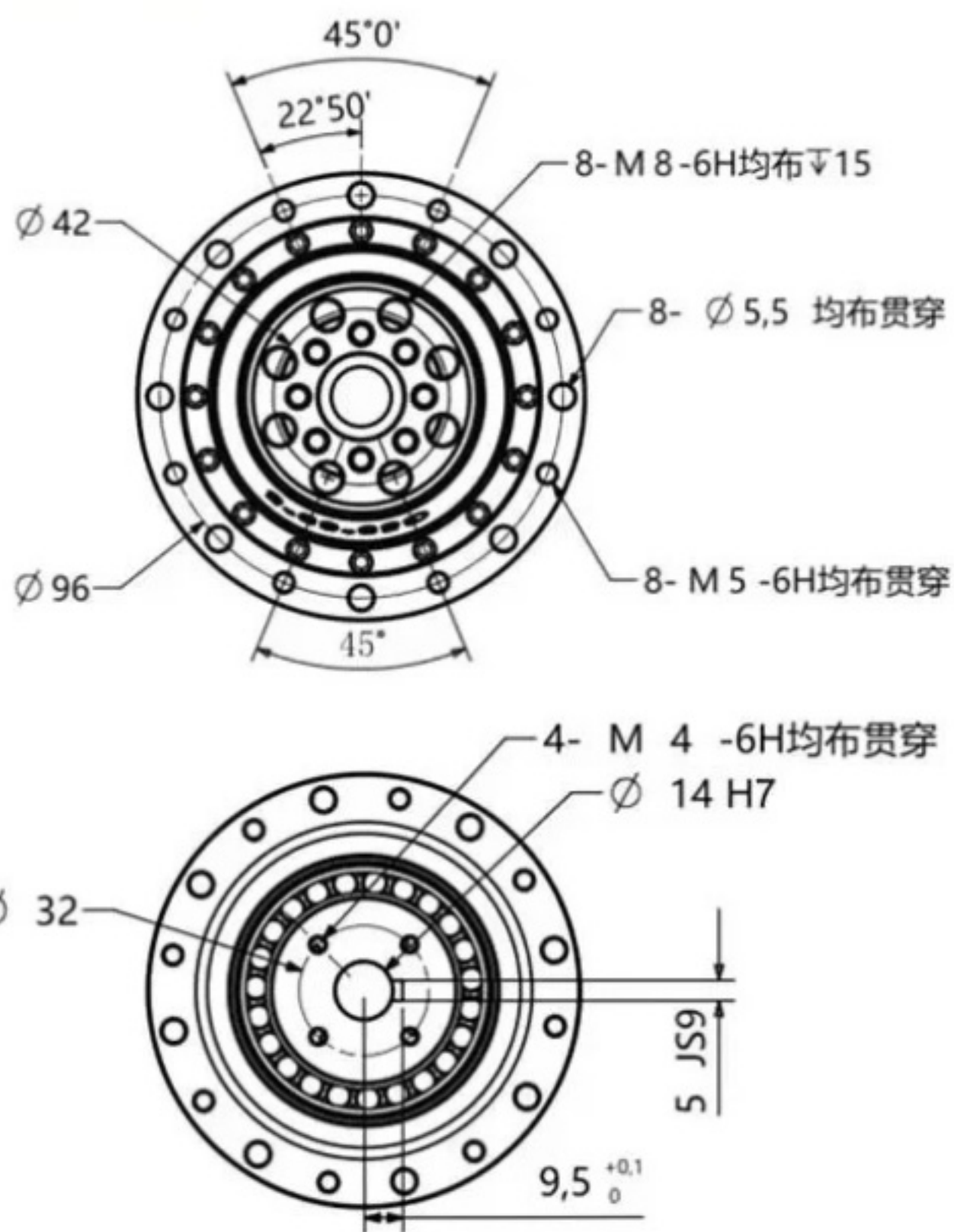
### Adapted motor size



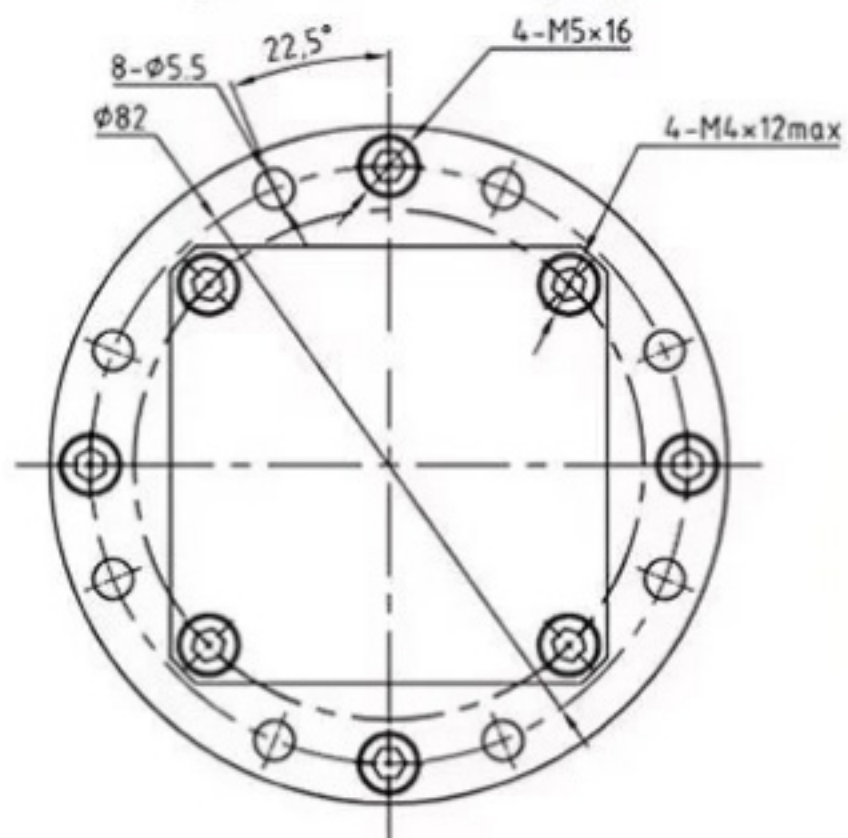
### For 60mm Flange Servo Motor



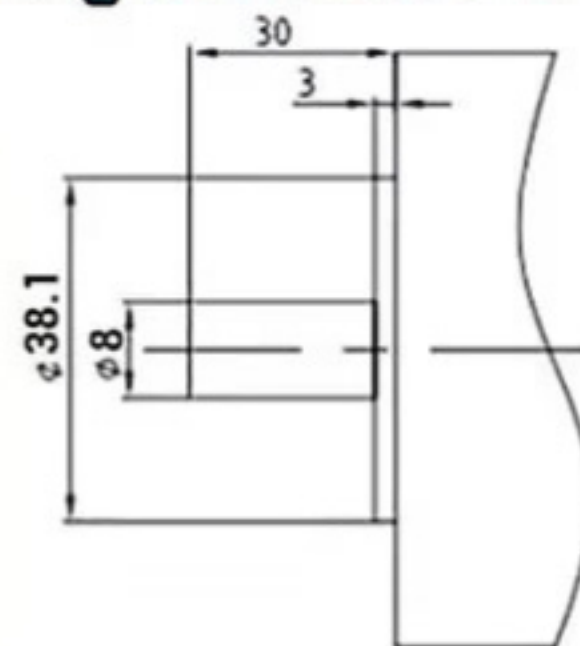
## ZXS25 Harmonic Reducer



## Motor flange mounting plate



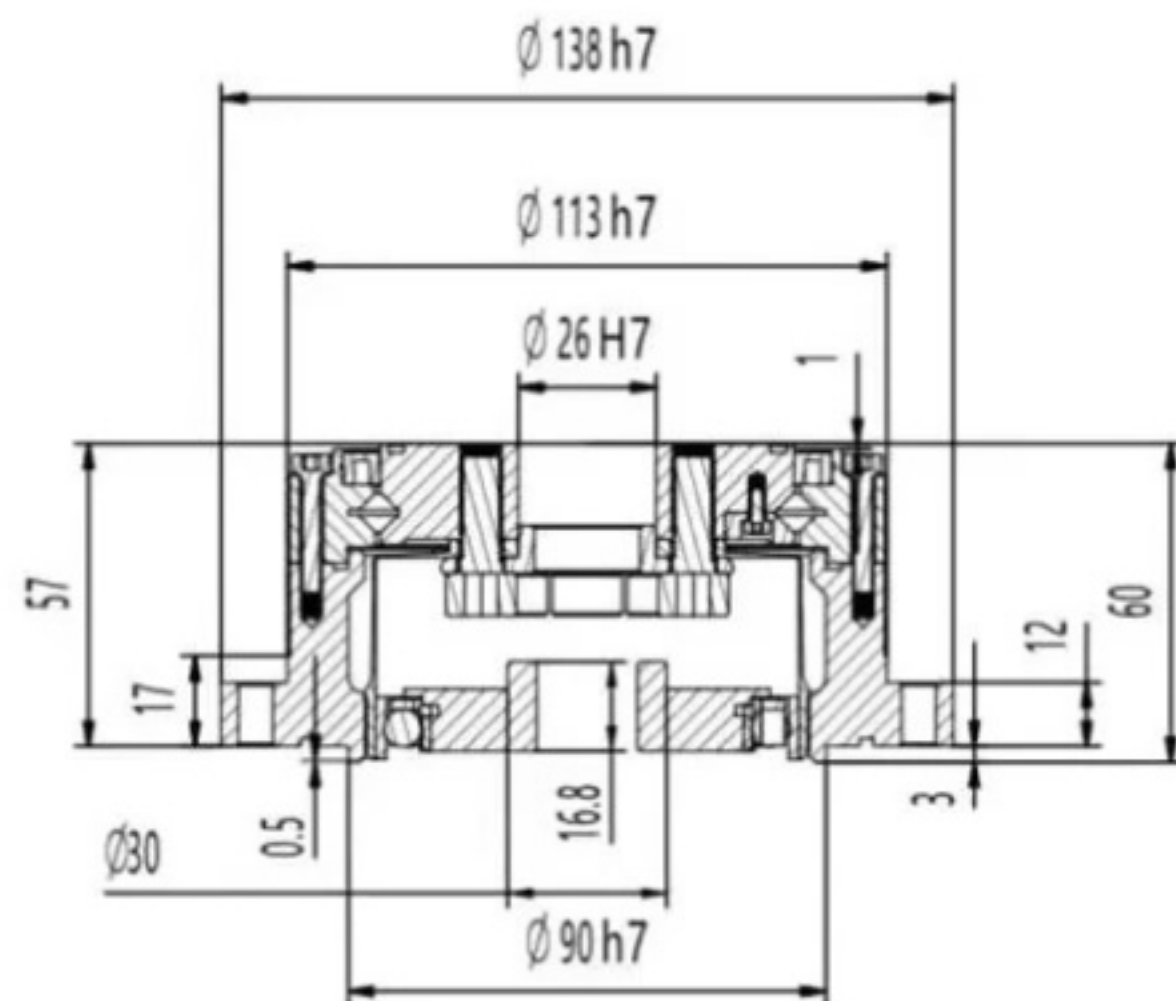
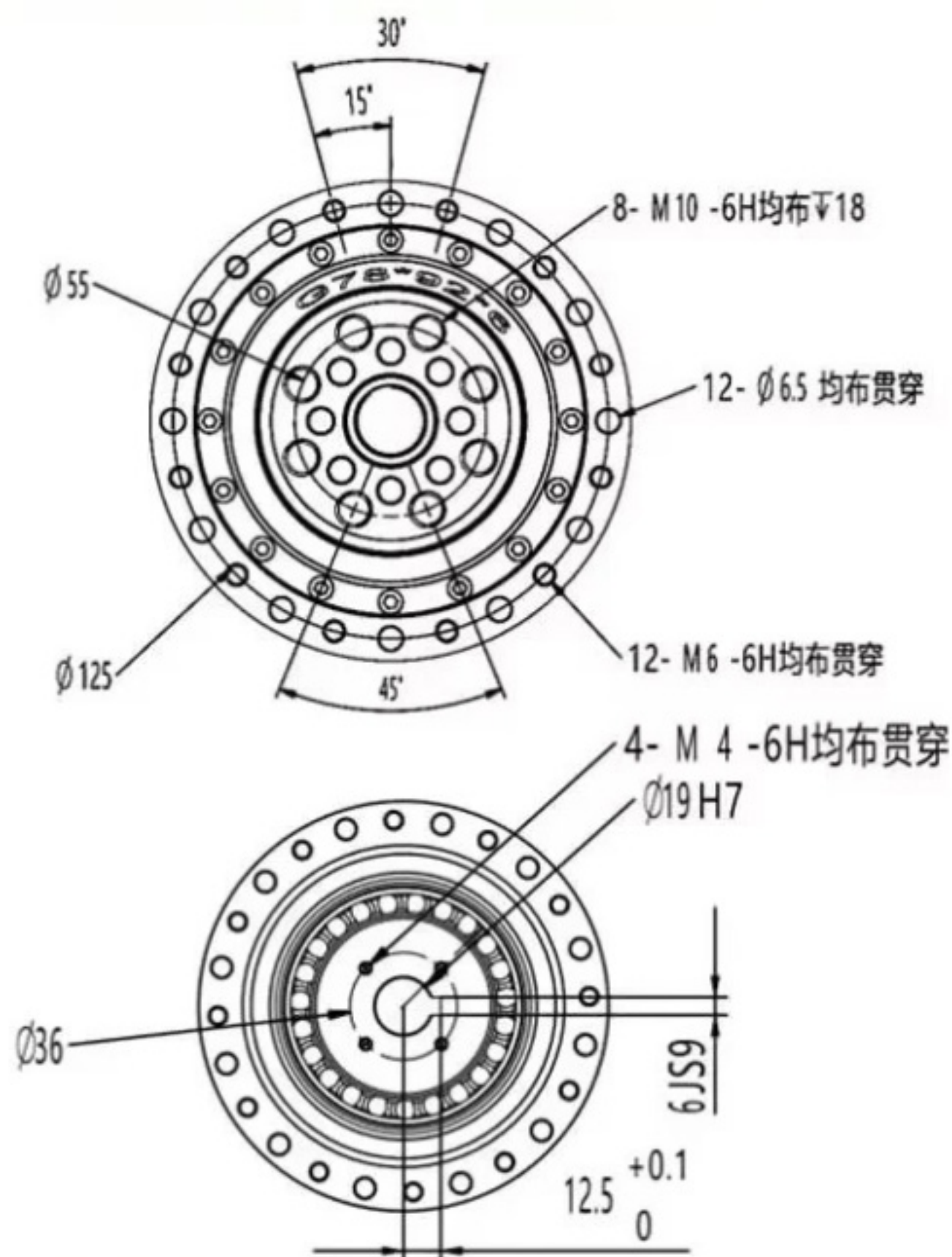
### Adapted motor size



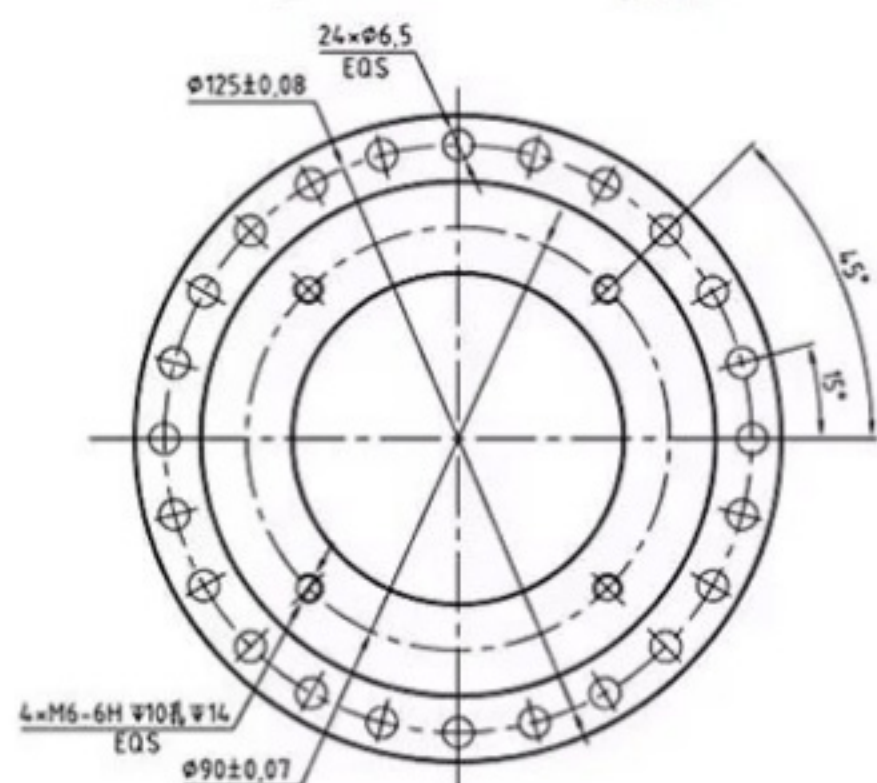
**For Nema 23 57mm  
Flange Stepper Motor**



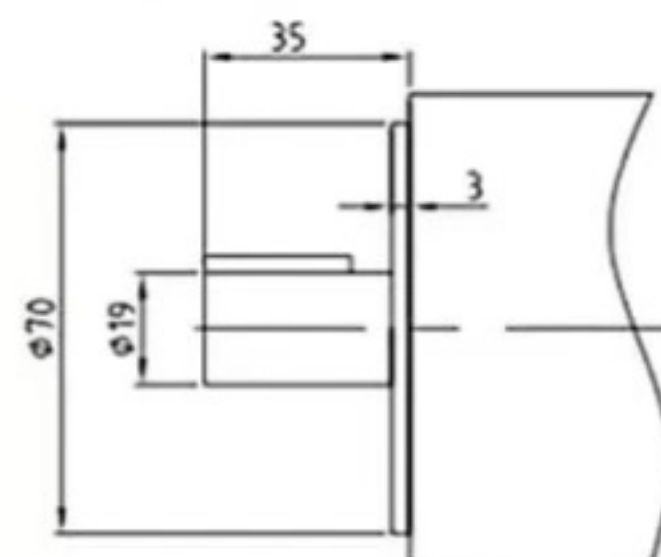
# ZXS32 Harmonic Reducer



## Motor flange mounting plate



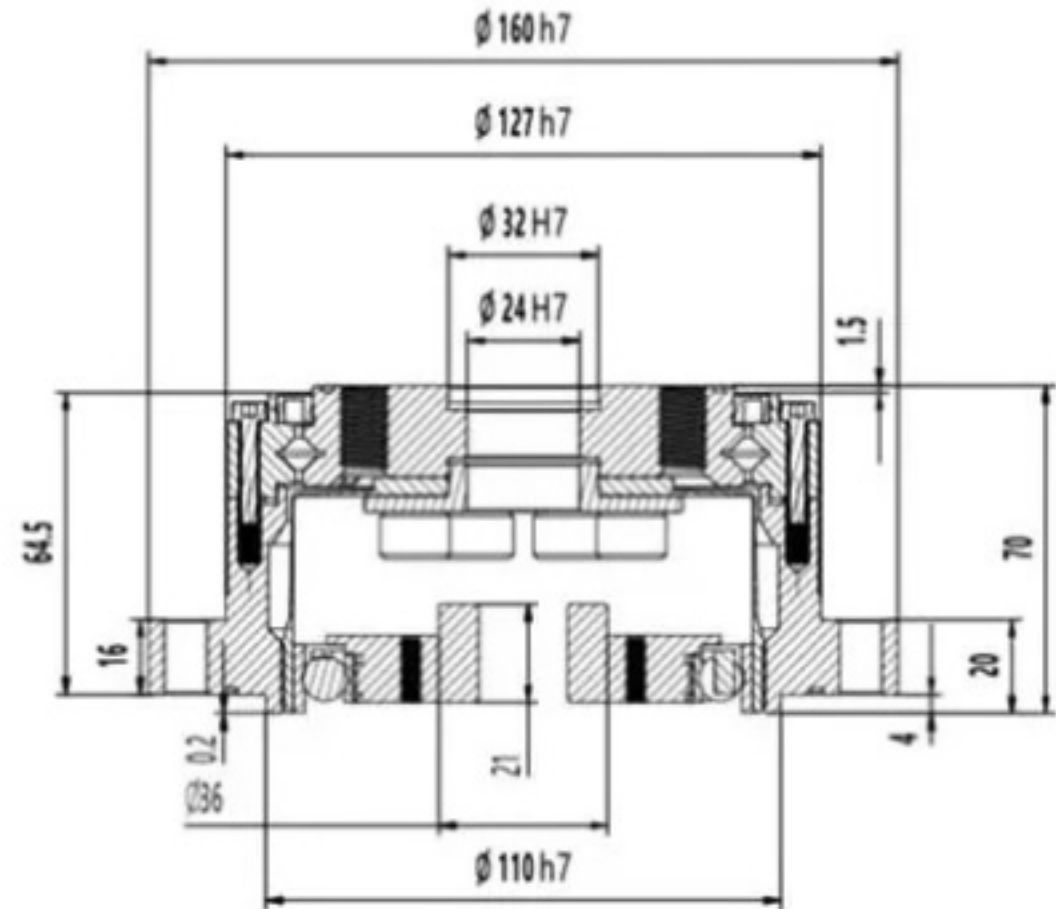
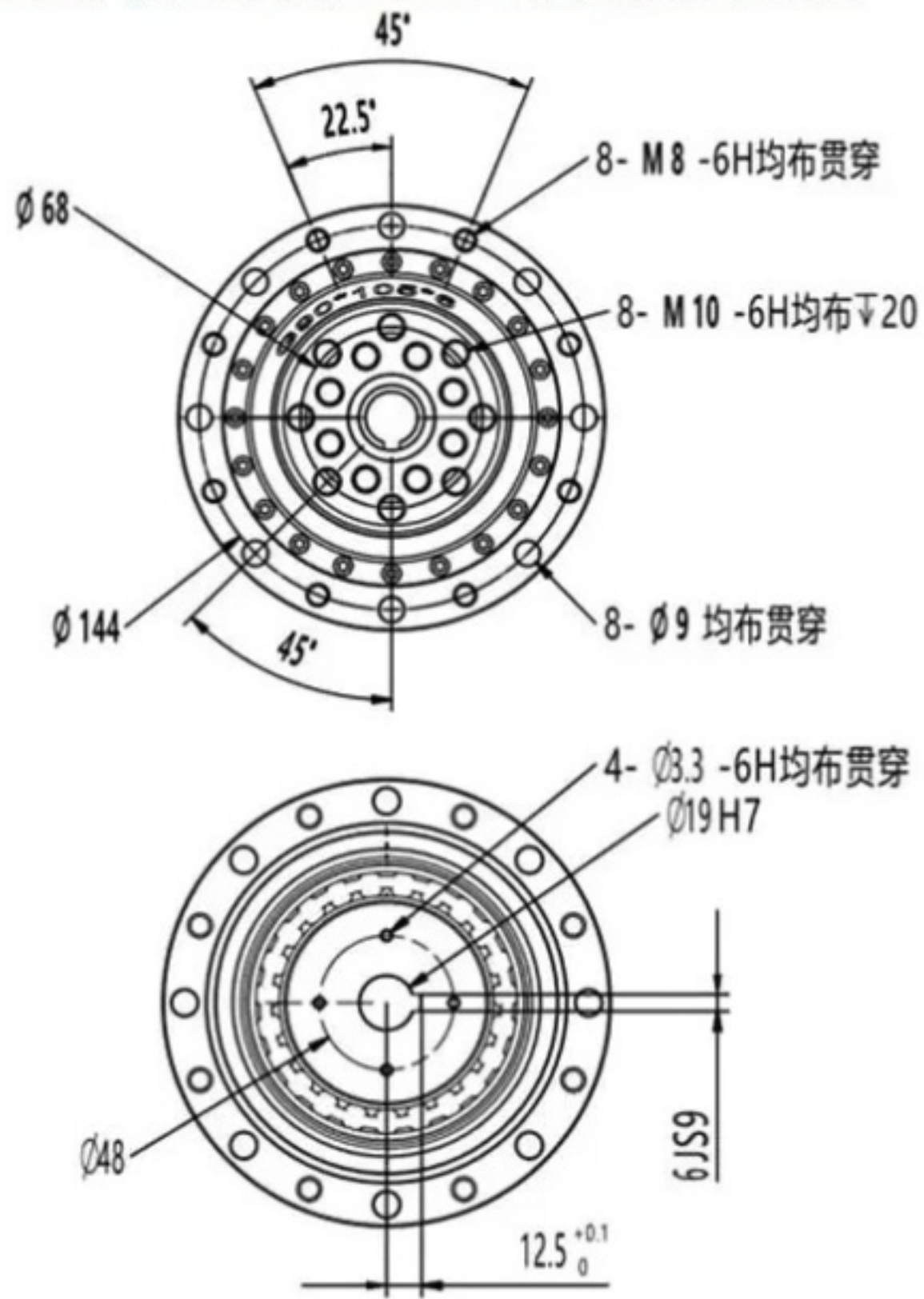
## Adapted motor size



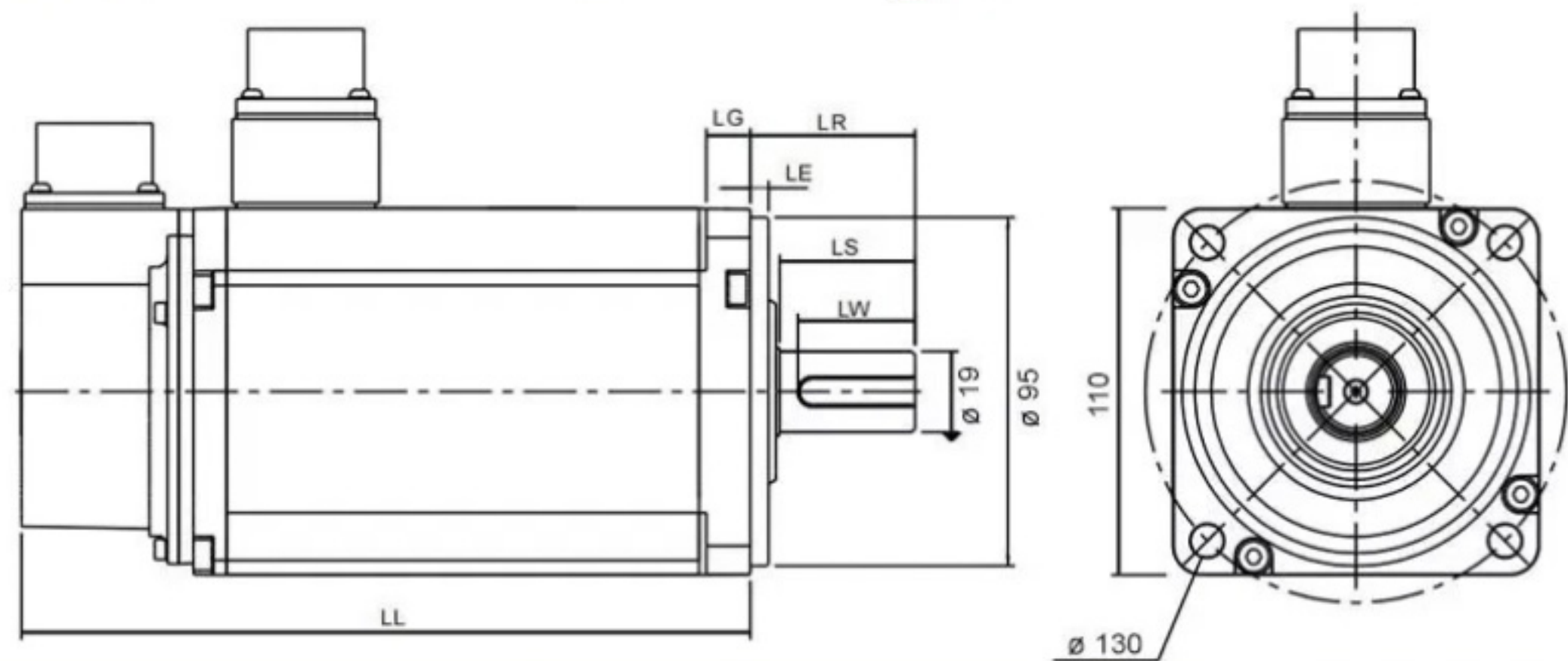
For 80mm Flange  
Servo Motor



# ZXS40 Harmonic Reducer

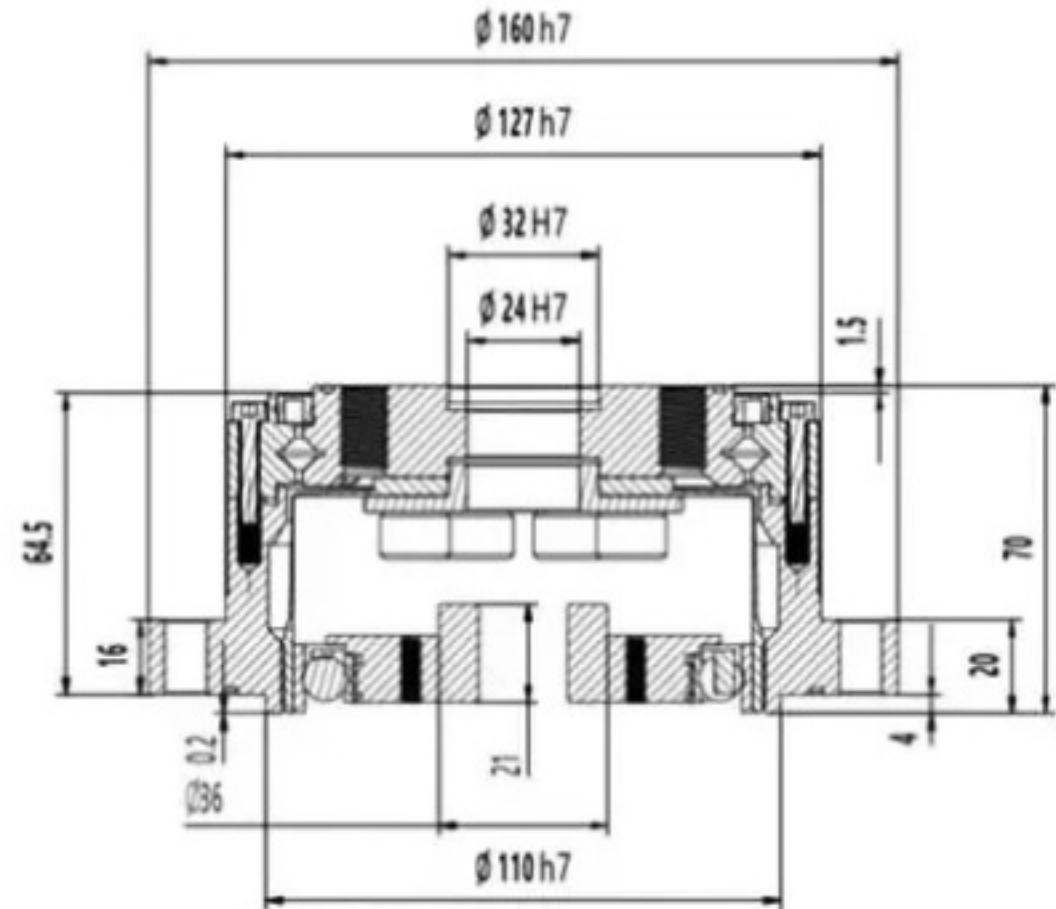
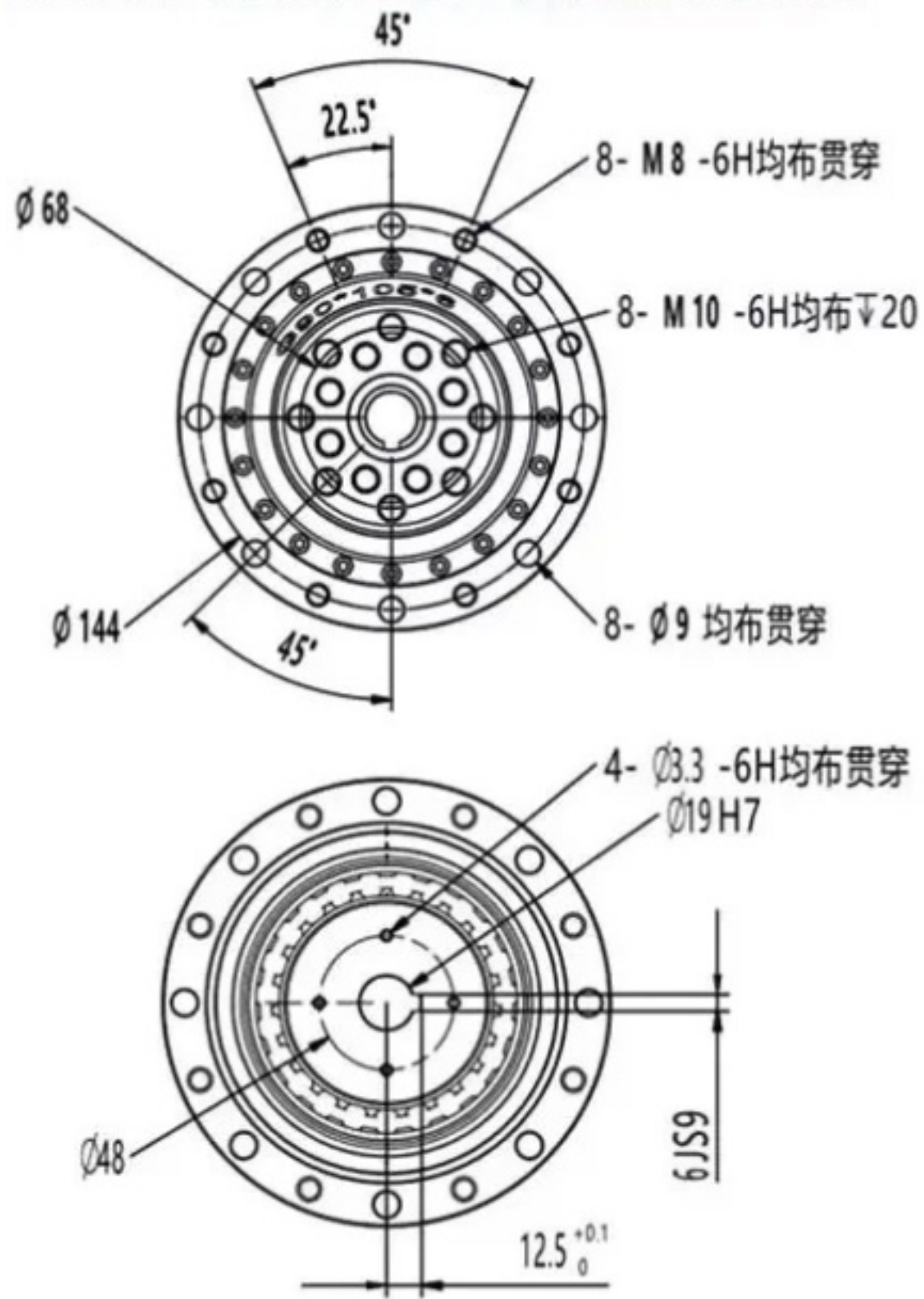


## Adapted motor size-19mm Shaft 110mm Flange Servo Motor

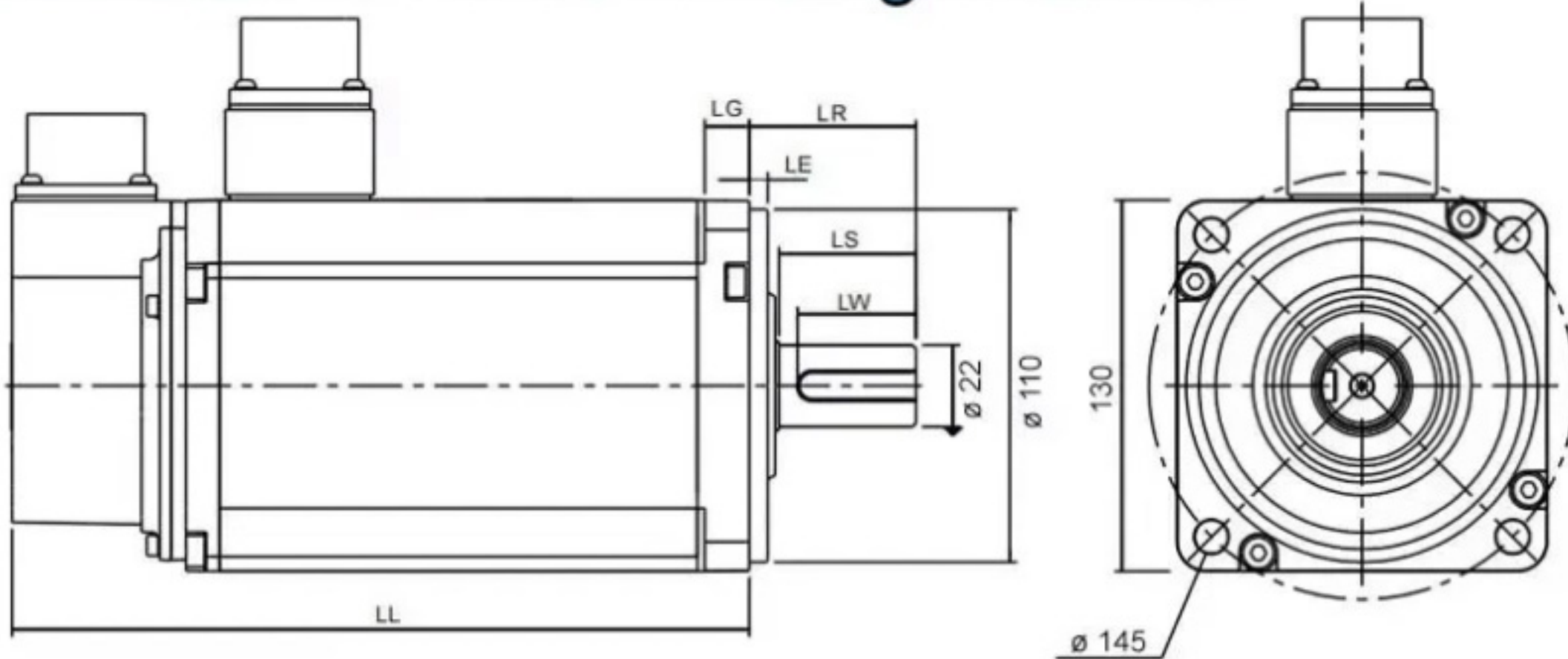




# ZXS40 Harmonic Reducer

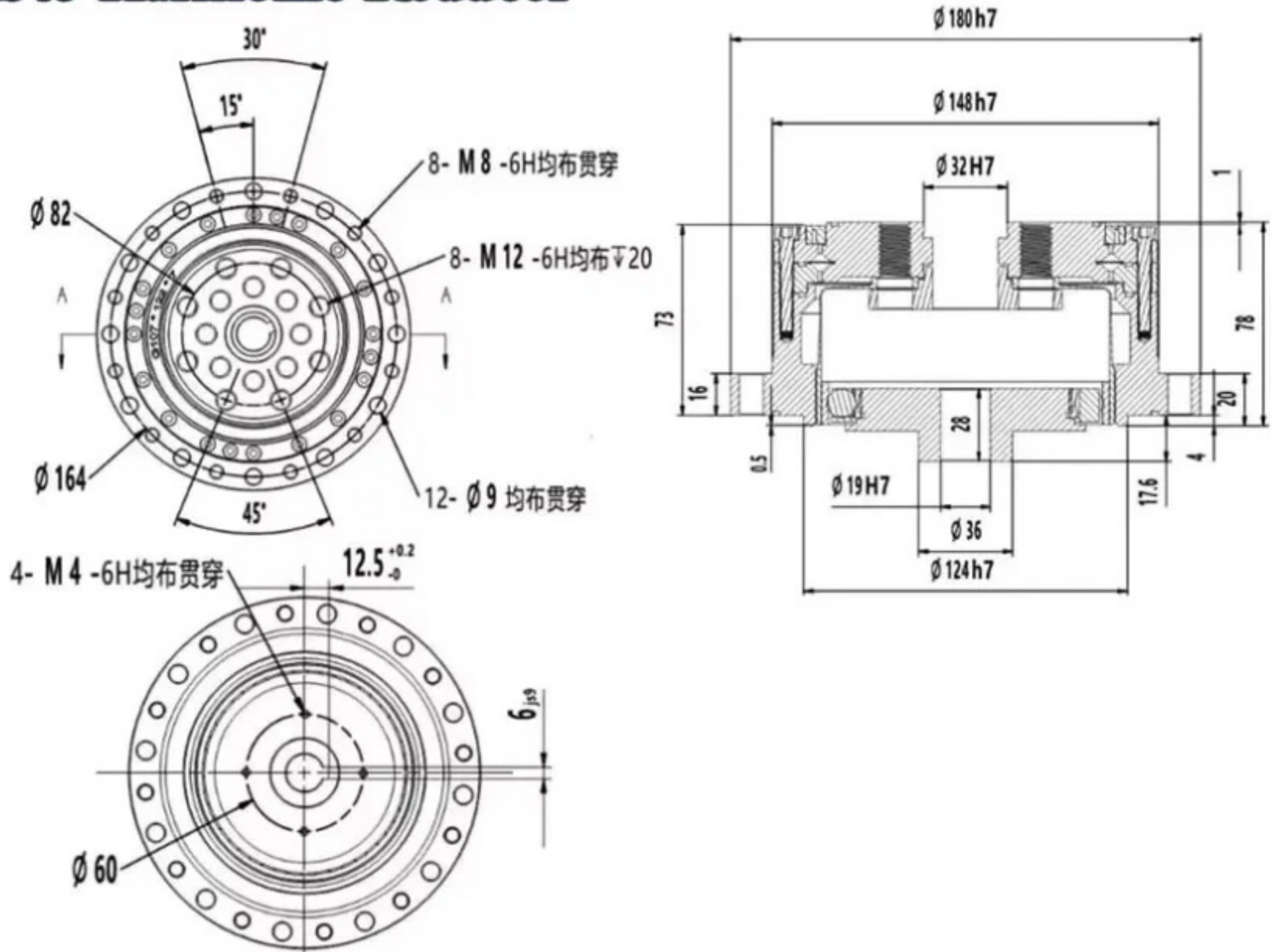


## Adapted motor size—22mm Shaft 130mm Flange Servo Motor

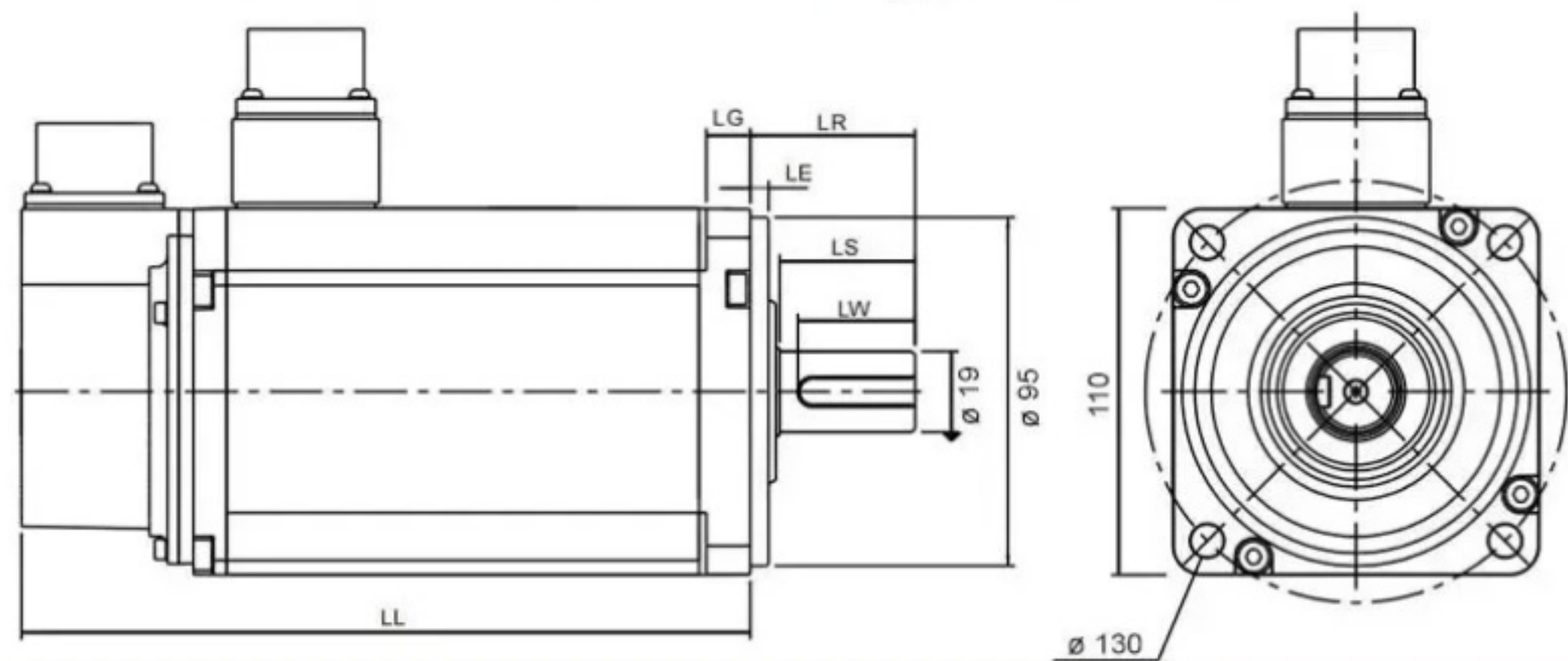




# ZXS45 Harmonic Reducer

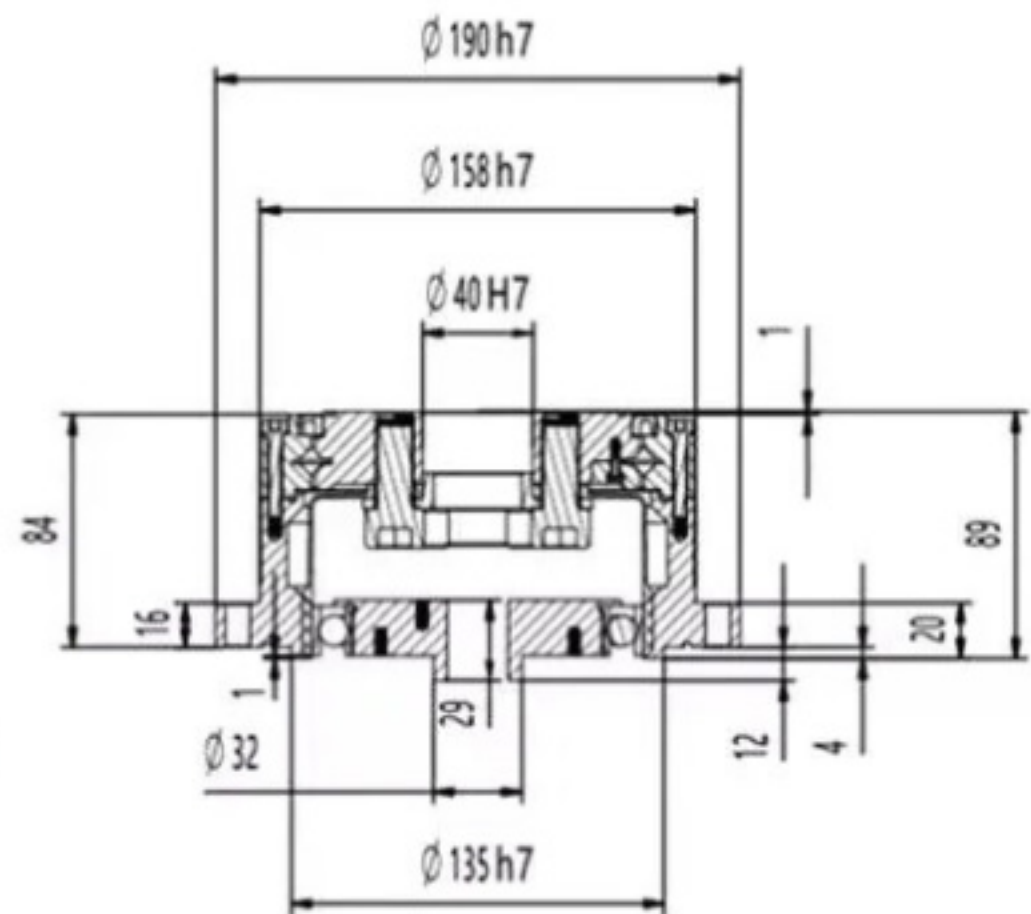
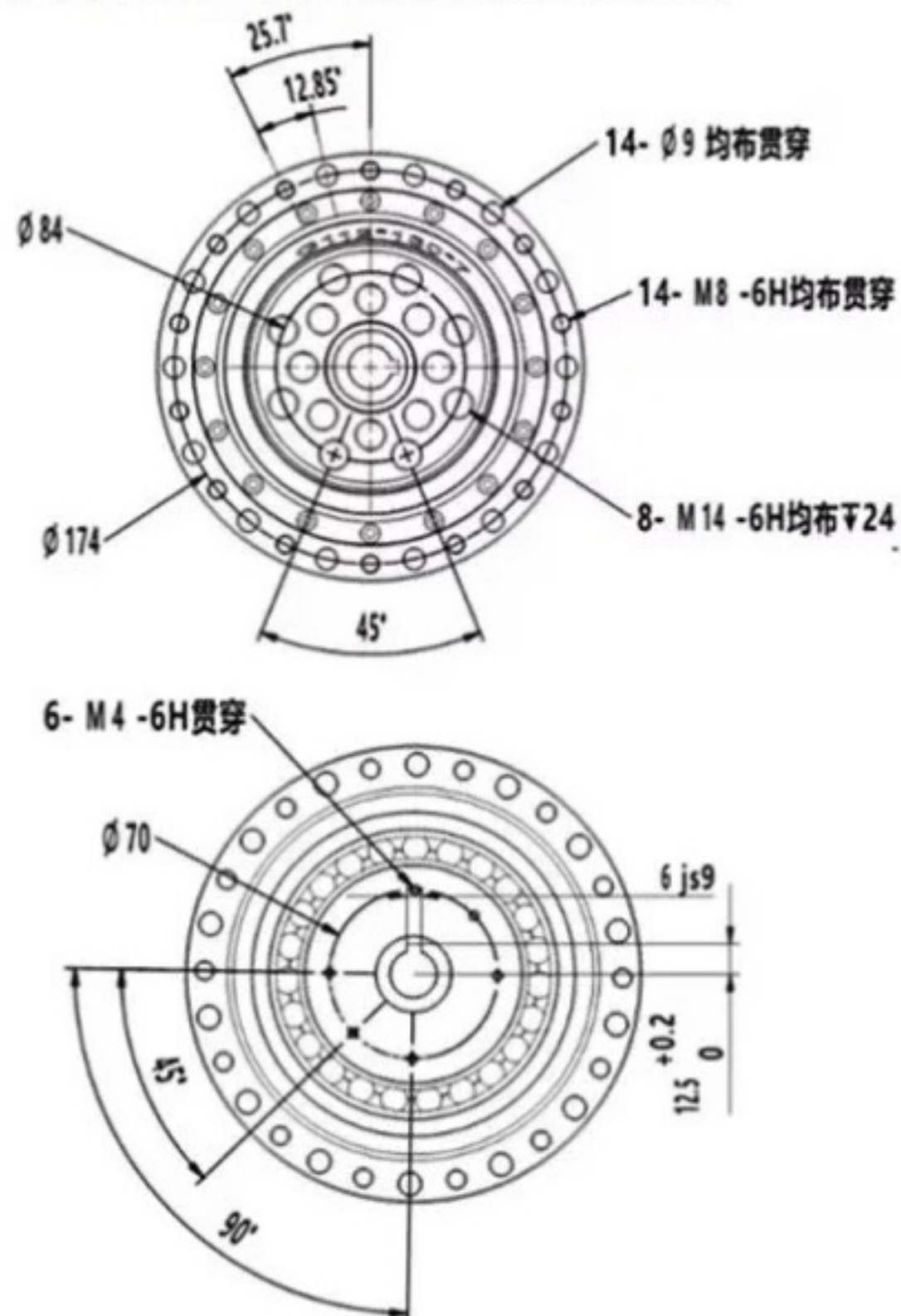


## Adapted motor size-19mm Shaft 110mm Flange Servo Motor

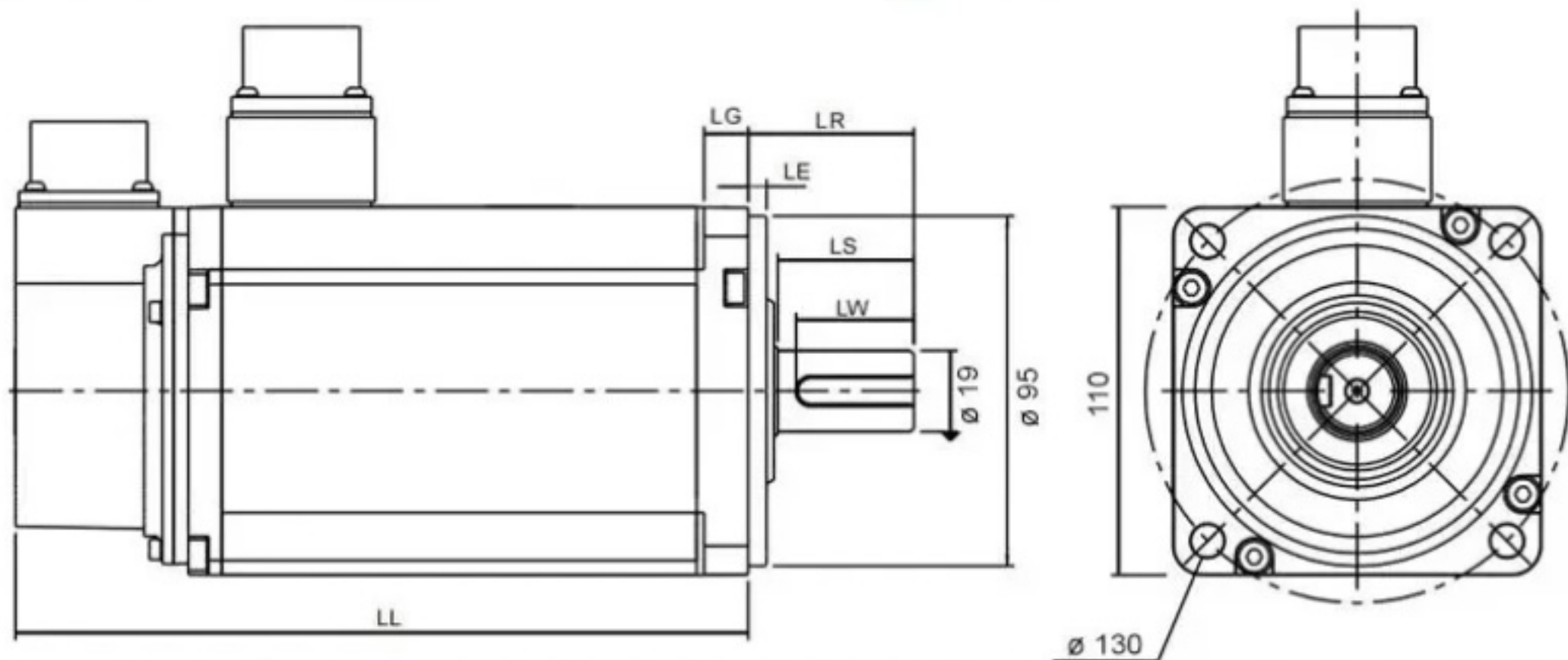




# ZXS50 Harmonic Reducer

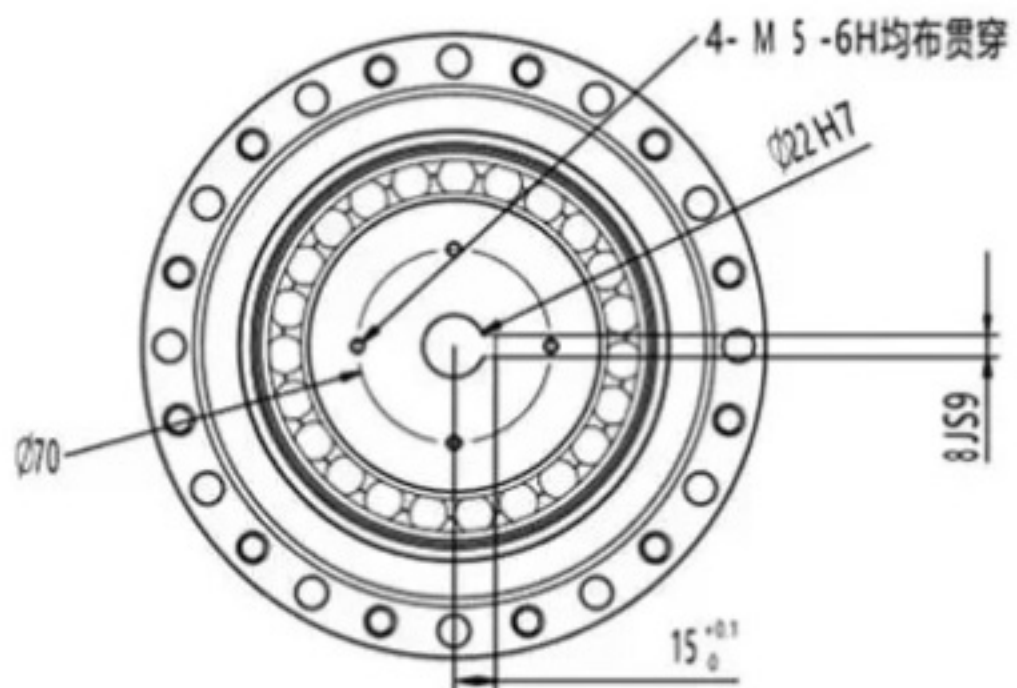
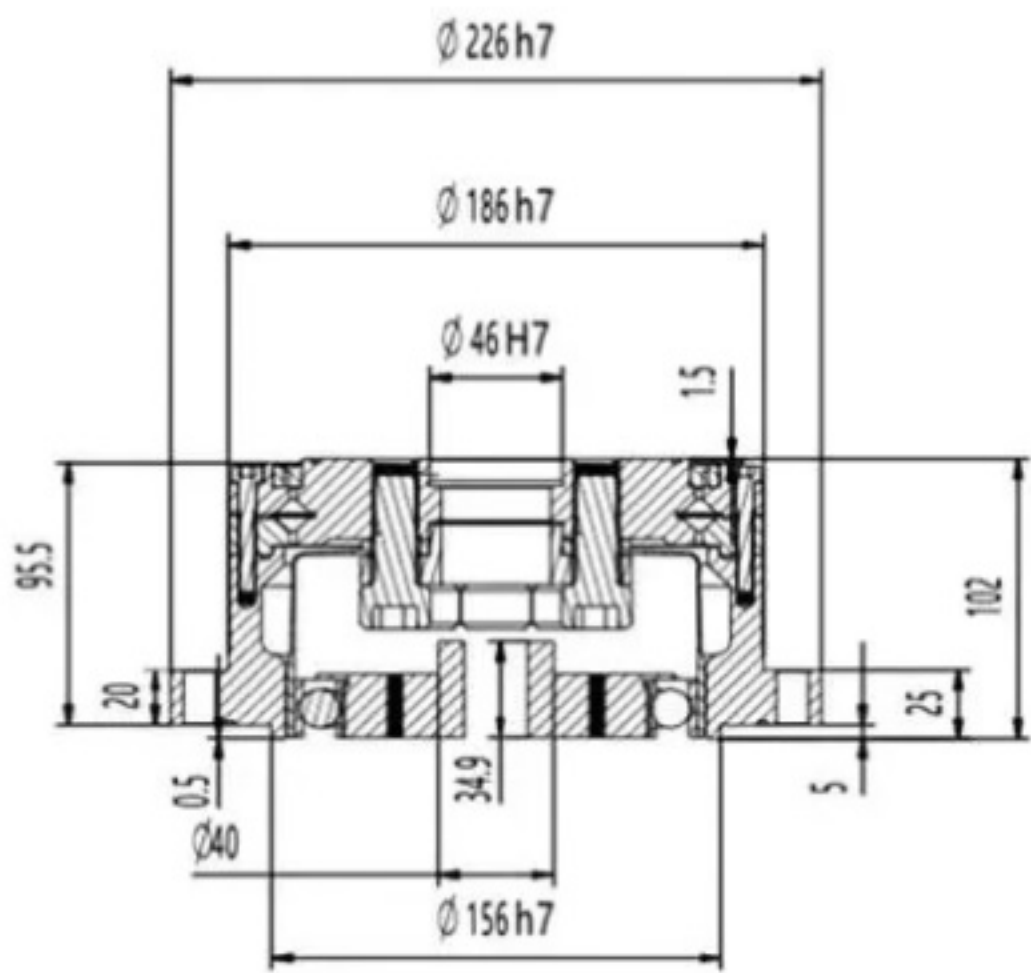
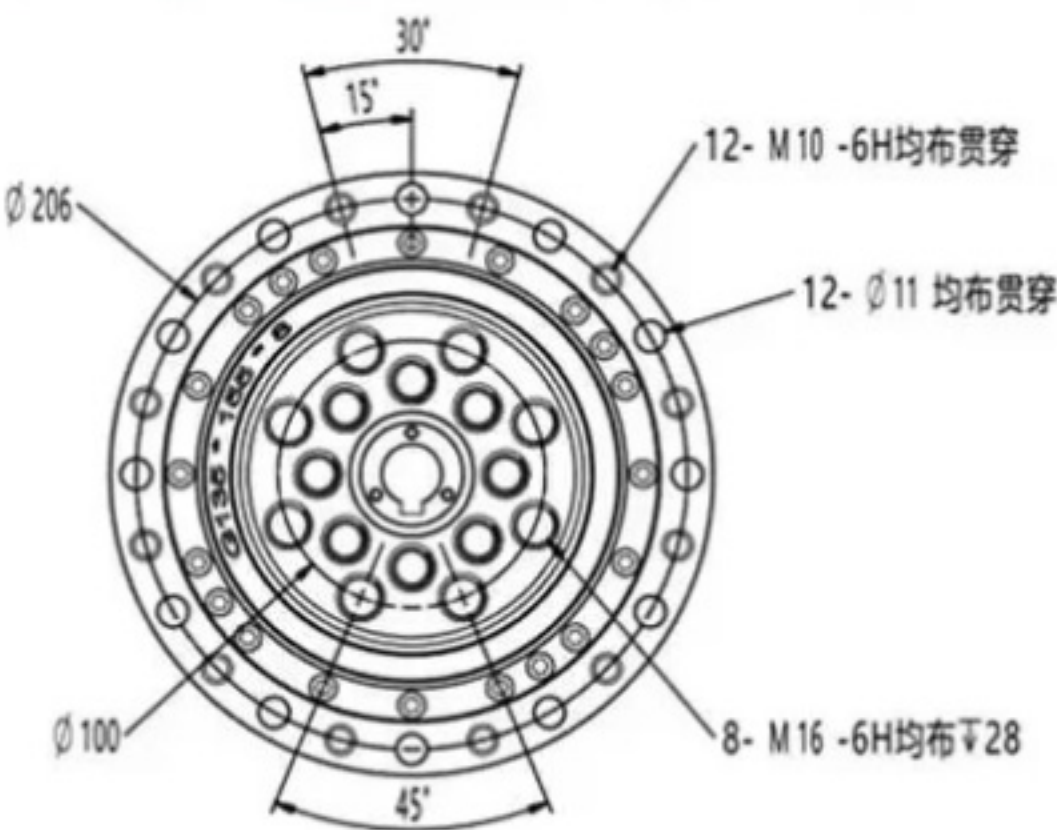


## Adapted motor size-19mm Shaft 110mm Flange Servo Motor

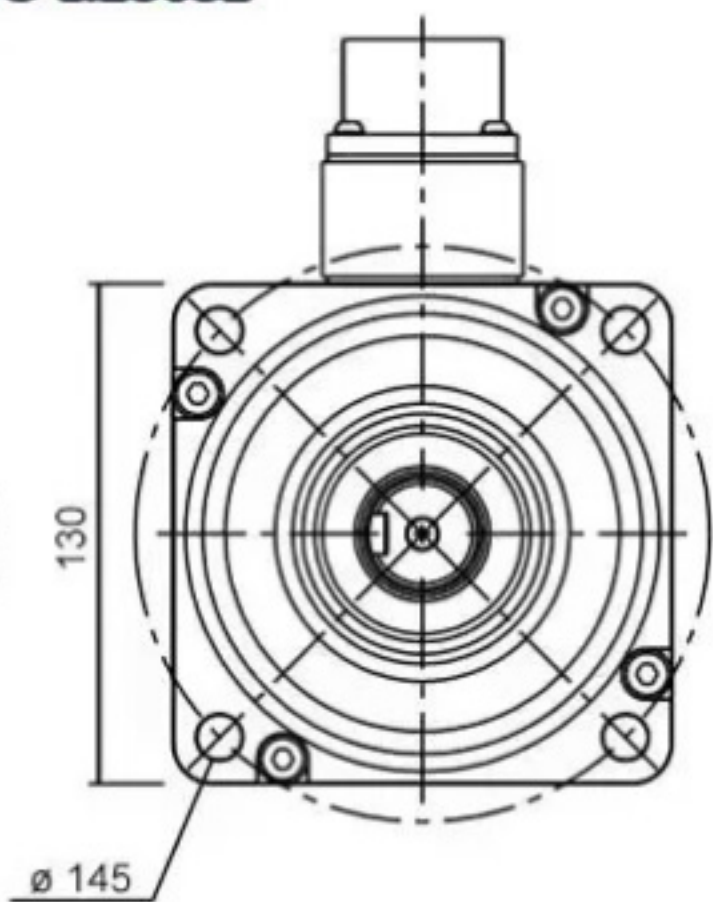
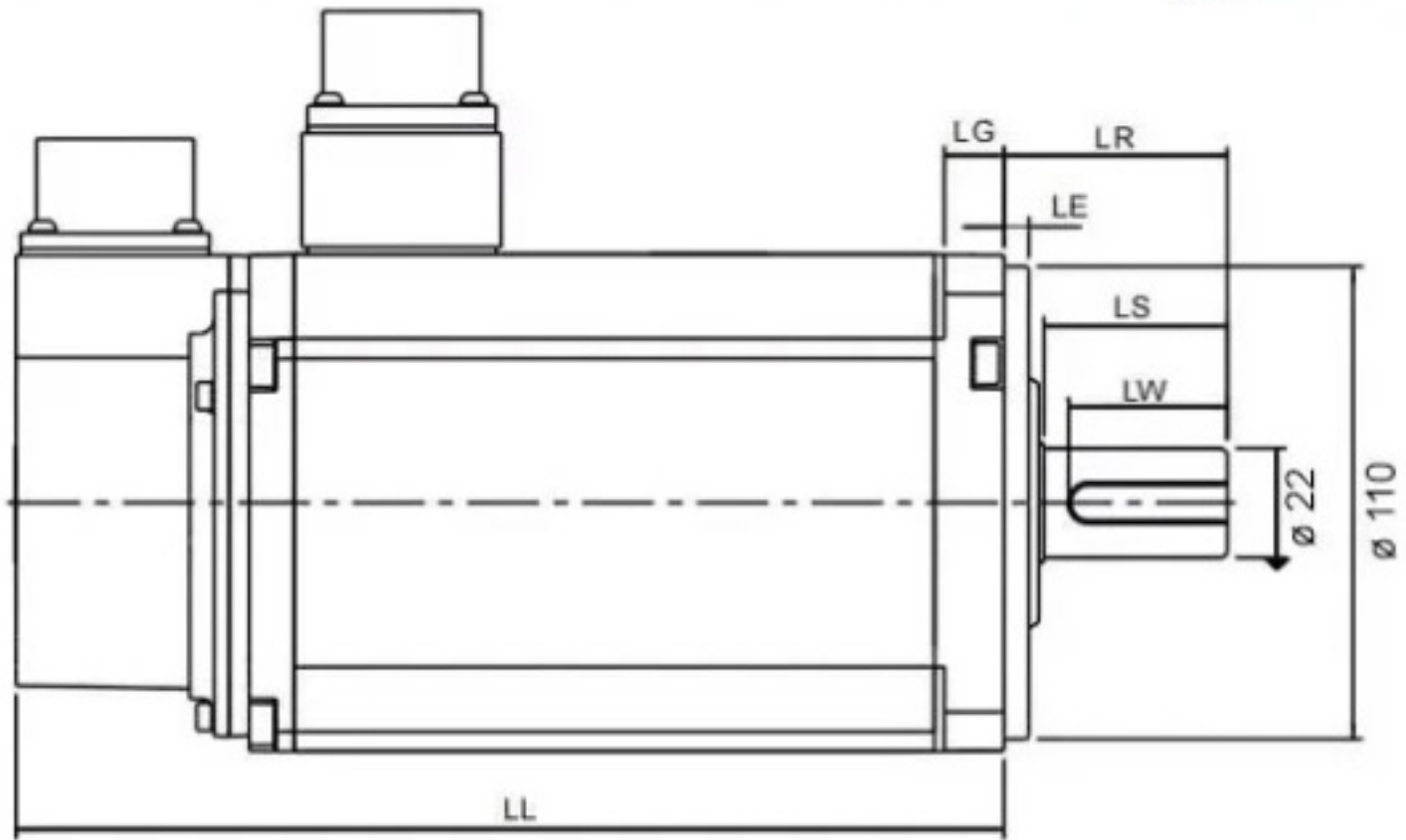




# ZXS58 Harmonic Reducer

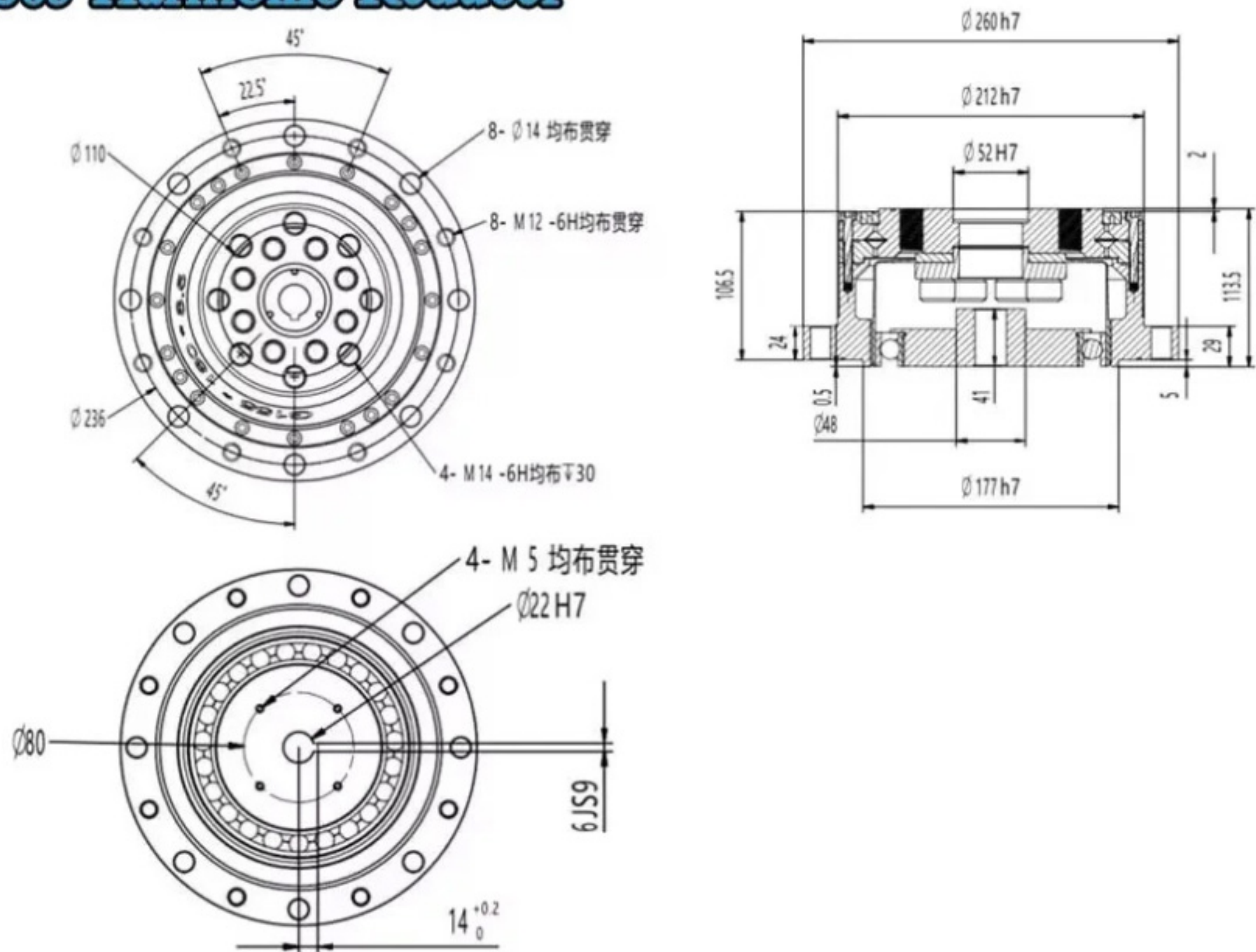


## Adapted motor size-22mm Shaft 130mm Flange Servo Motor





# ZXS65 Harmonic Reducer



## Adapted motor size-22mm Shaft 130mm Flange Servo Motor

