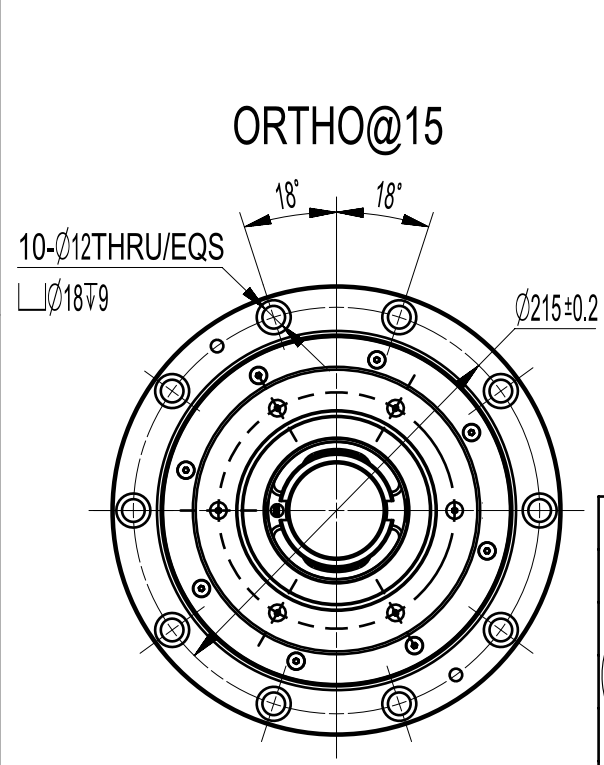
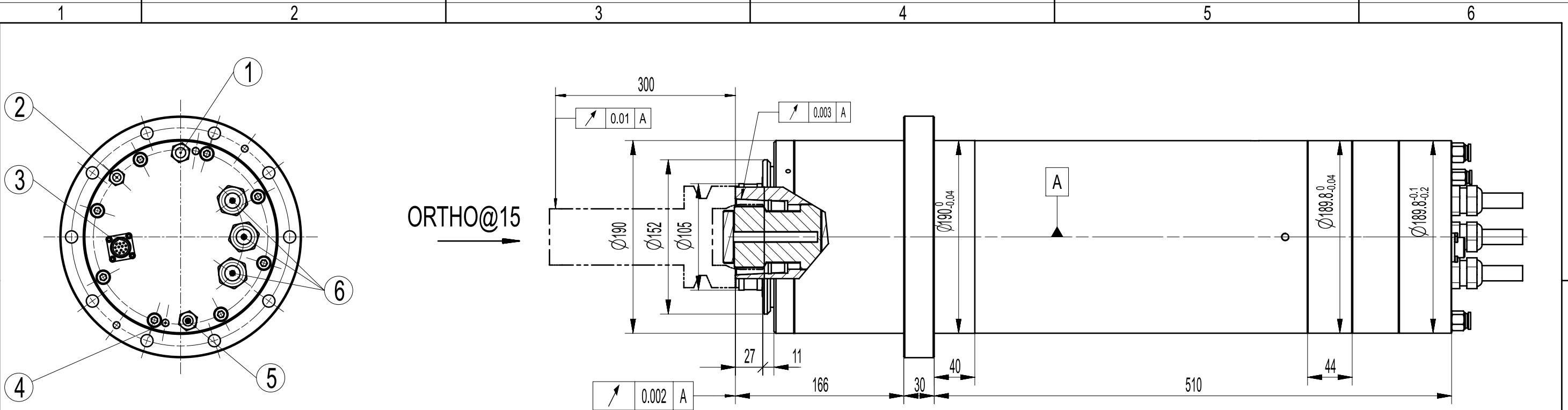
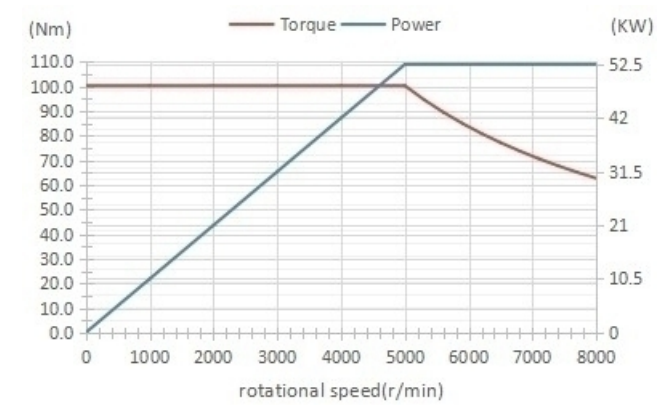
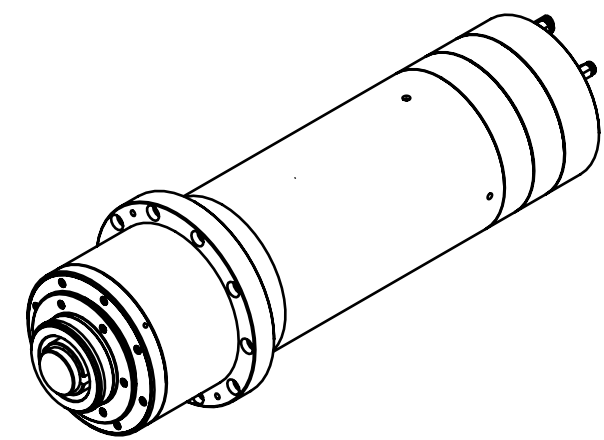




| Encoder Connector |     |    |               |    |                |
|-------------------|-----|----|---------------|----|----------------|
| 1                 | A+  | 7  | 0V            | 13 | Z-             |
| 2                 | A-  | 8  | PT1000(motor) | 14 | PT100(Bearing) |
| 3                 | Z+  | 9  | PT1000(motor) | 15 | ---            |
| 4                 | --- | 10 | +5V           | 16 | PT100(Bearing) |
| 5                 | --- | 11 | B+            | 17 | Shield         |
| 6                 | --- | 12 | B-            |    | ---            |



| SPINDLE SPECIFICATION  |                             |                         |                                       |
|------------------------|-----------------------------|-------------------------|---------------------------------------|
| SPEED                  | 5000                        | 8000                    | r/min                                 |
| Power                  | 52.5                        | 52.5                    | kW                                    |
| Voltage                | 314                         | 380                     | V                                     |
| Current                | 119                         |                         | A                                     |
| Frequency              | 250                         | 400                     | Hz                                    |
| Torque                 | 100                         | 62                      | Nm                                    |
| Voltage constant       | 57                          |                         | V/krpm,@20°C                          |
| Motor type             | Synchronous                 |                         |                                       |
| lubrication            | Grease                      | Encoder                 | 5V input,sin/cos<br>1Vpp,z=256,m=0.4. |
| Tool Interface         | HSK C100                    |                         |                                       |
| Motor coolant          | water,flow rate 8L/min@25°C |                         |                                       |
| Static axial stiffness | 565N/μm                     | Static radial stiffness | 650N/μm                               |

| Label Description |                    |           |                                                                                          |
|-------------------|--------------------|-----------|------------------------------------------------------------------------------------------|
| Label             | Function           | Interface | Description                                                                              |
| 1                 | Water outlet       | G1/4      | Equipped with quick connector,for hose 10X8                                              |
| 2                 | air seal inlet     | G1/8      | Equipped with quick connector,for hose 6X4,1-1.5bar                                      |
| 3                 | Encoder Connection | M23       | Encoder connection,(17 PIN,including motor sensor PT1000),<br>14m encoder extension cord |
| 4                 | Ground             | M8        |                                                                                          |
| 5                 | Water inlet        | G1/4      | Equipped with quick connector,for hose 10X8                                              |
| 6                 | Power cable        |           | U/V/W,14m 25 mm^2 cable                                                                  |

| 未注尺寸公差        |      |       | 主轴外形 |   |   |   |    |   |
|---------------|------|-------|------|---|---|---|----|---|
| 注：孔取(+),轴取(-) |      |       | 件    | 号 | 名 | 称 | 数量 | 材 |
| 尺寸/mm         |      |       | 料    | 料 | 硬 | 度 | 备  | 注 |
| 大于            | 至    | 公差    |      |   |   |   |    |   |
| -             | 6    | ±0.05 |      |   |   |   |    |   |
| 6             | 30   | ±0.10 |      |   |   |   |    |   |
| 30            | 120  | ±0.15 |      |   |   |   |    |   |
| 120           | 250  | ±0.25 |      |   |   |   |    |   |
| 250           | 500  | ±0.35 |      |   |   |   |    |   |
| 500           | 1000 | ±0.45 |      |   |   |   |    |   |
| 1000          | 1600 | ±0.55 |      |   |   |   |    |   |
| 1600          | 2000 | ±0.65 |      |   |   |   |    |   |
| 更改号           | 签字   | 日期    | 批    | 准 |   |   |    |   |

SUF 190XDJ08G52.5/HC100

设计 比例 重量 1:4 99.5kg

校对 标准化审核 工艺会签 审核 批准