

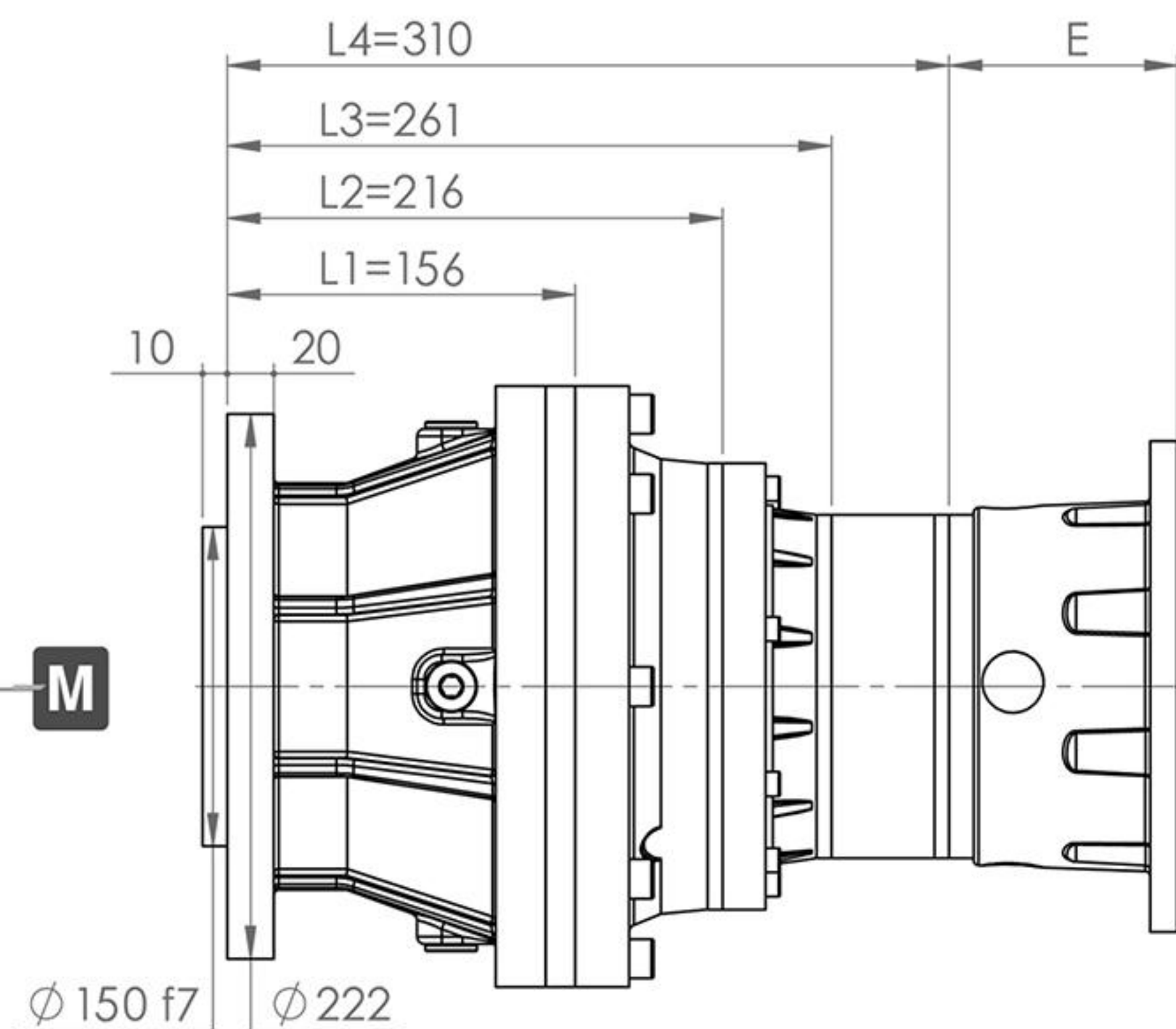
310

| i  |        | T2 [Nm]        |                    |                  |                 |                   |                  | n1 max | T2 max | pt   |
|----|--------|----------------|--------------------|------------------|-----------------|-------------------|------------------|--------|--------|------|
| L  | 1/...  | n2*h           |                    |                  |                 |                   |                  | [min]  | [Nm]   | [Kw] |
|    |        | 10000<br>(10)4 | 25000<br>(2.5*10)4 | 50000<br>(5*10)4 | 100000<br>(10)5 | 500000<br>(5*10)5 | 1000000<br>(10)6 |        |        |      |
| L1 | 3.40   | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             | 2000   | 5500   | 20   |
|    | 4.00   | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 5.00   | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |
|    | 5.80   | 2600           | 2150               | 1870             | 1760            | 1590              | 1520             |        |        |      |
|    | 7.00   | 2000           | 1660               | 1450             | 1390            | 1260              | 1210             |        |        |      |
| L2 | 10.88  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             | 2000   | 5500   | 12   |
|    | 12.80  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 13.94  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 15.10  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 16.40  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 17.76  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 18.43  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 21.68  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 24.48  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 27.10  | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |
|    | 28.80  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 31.44  | 2600           | 2150               | 1870             | 1760            | 1590              | 1520             |        |        |      |
|    | 36.00  | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |
|    | 41.76  | 2600           | 2150               | 1870             | 1760            | 1590              | 1520             |        |        |      |
|    | 50.40  | 2000           | 1660               | 1450             | 1390            | 1260              | 1210             |        |        |      |
| L3 | 64.82  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             | 2000   | 5500   | 8    |
|    | 67.56  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 70.20  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 79.49  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 86.57  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 93.75  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 99.36  | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |
|    | 100.81 | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 101.84 | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 110.29 | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 114.44 | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 126.02 | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |
|    | 127.31 | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |

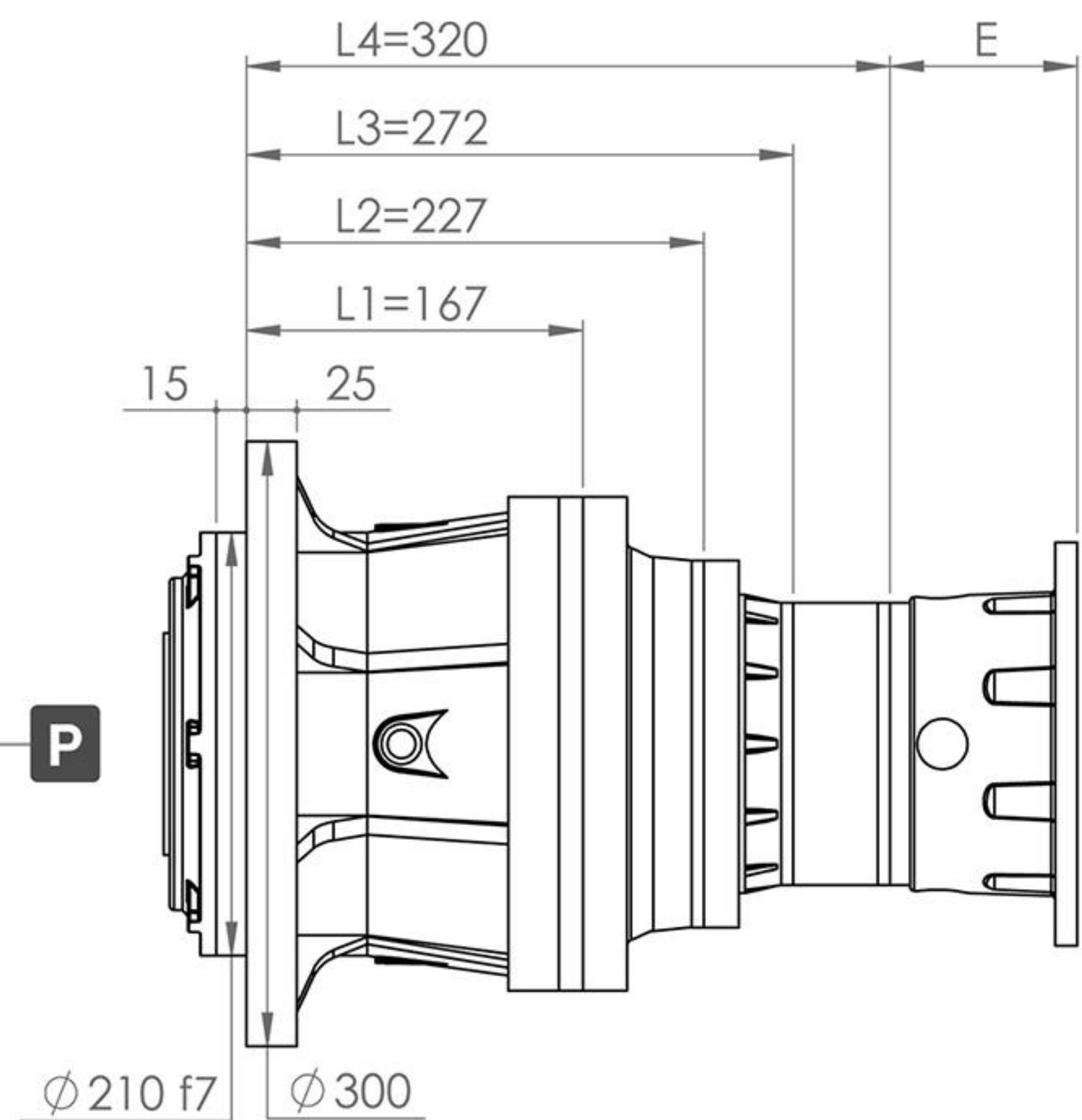
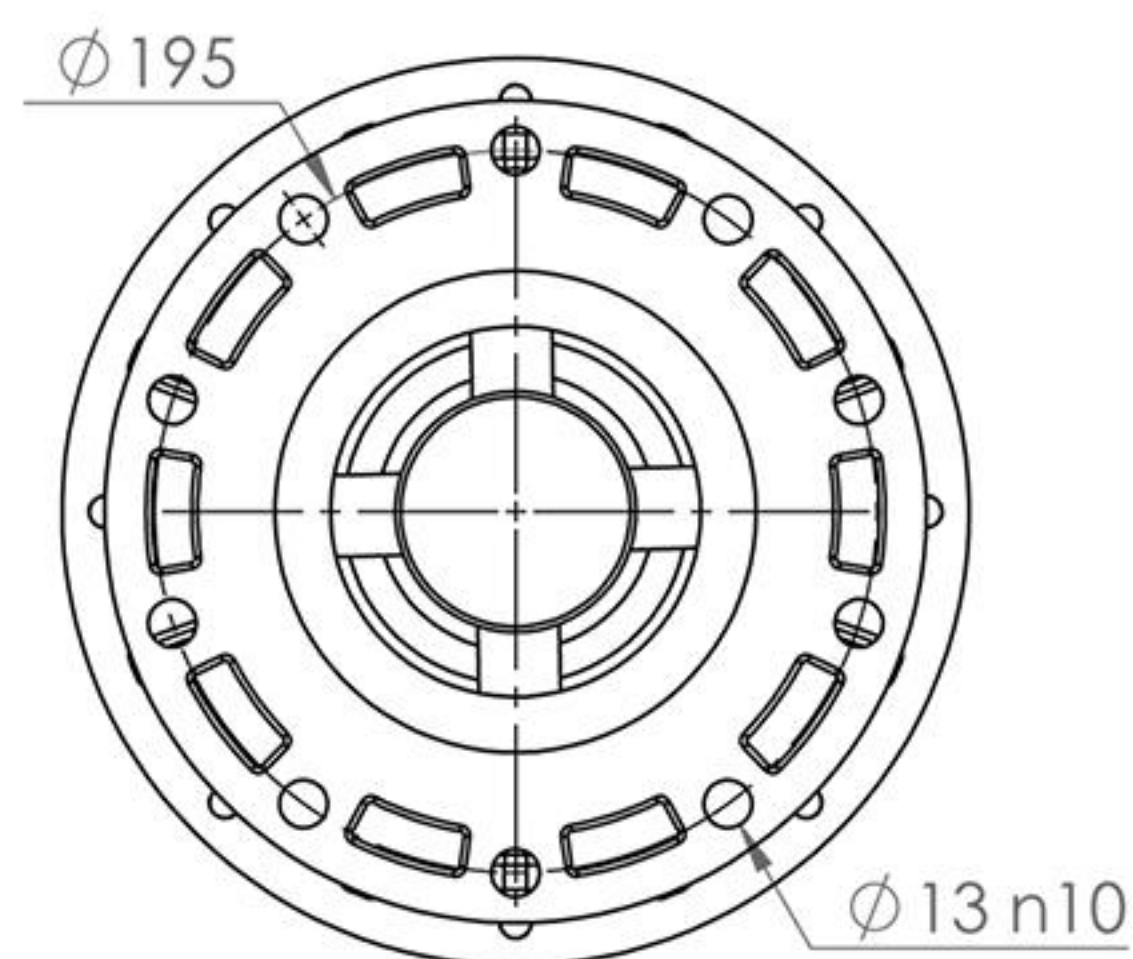
310

| i  |         | T2 [Nm]        |                    |                  |                 |                   |                  | n1 max | T2 max | pt   |
|----|---------|----------------|--------------------|------------------|-----------------|-------------------|------------------|--------|--------|------|
| L  | 1/...   | n2*h           |                    |                  |                 |                   |                  | [min]  | [Nm]   | [Kw] |
|    |         | 10000<br>(10)4 | 25000<br>(2.5*10)4 | 50000<br>(5*10)4 | 100000<br>(10)5 | 500000<br>(5*10)5 | 1000000<br>(10)6 |        |        |      |
| L3 | 134.63  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             | 2000   | 5500   | 8    |
|    | 137.86  | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |
|    | 152.02  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 168.29  | 2930           | 2420               | 2110             | 1910            | 1730              | 1660             |        |        |      |
|    | 259.33  | 2600           | 2150               | 1870             | 1760            | 1590              | 1520             |        |        |      |
| L4 | 312.98  | 2000           | 1660               | 1450             | 1390            | 1260              | 1210             | 2000   | 5500   | 7    |
|    | 303.85  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 314.18  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 329.05  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 402.54  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 435.92  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 532.14  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 582.16  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 632.45  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 684.90  | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 863.84  | 2000           | 1660               | 1450             | 1390            | 1260              | 1210             |        |        |      |
|    | 944.05  | 3550           | 3340               | 3300             | 2910            | 2420              | 2010             |        |        |      |
|    | 1110.65 | 3450           | 3190               | 2900             | 2550            | 2310              | 2010             |        |        |      |
|    | 1198.57 | 2000           | 1660               | 1450             | 1390            | 1260              | 1210             |        |        |      |
|    | 1463.12 | 2000           | 1660               | 1450             | 1390            | 1260              | 1210             |        |        |      |
|    | 1943.63 | 2000           | 1660               | 1450             | 1390            | 1260              | 1210             |        |        |      |

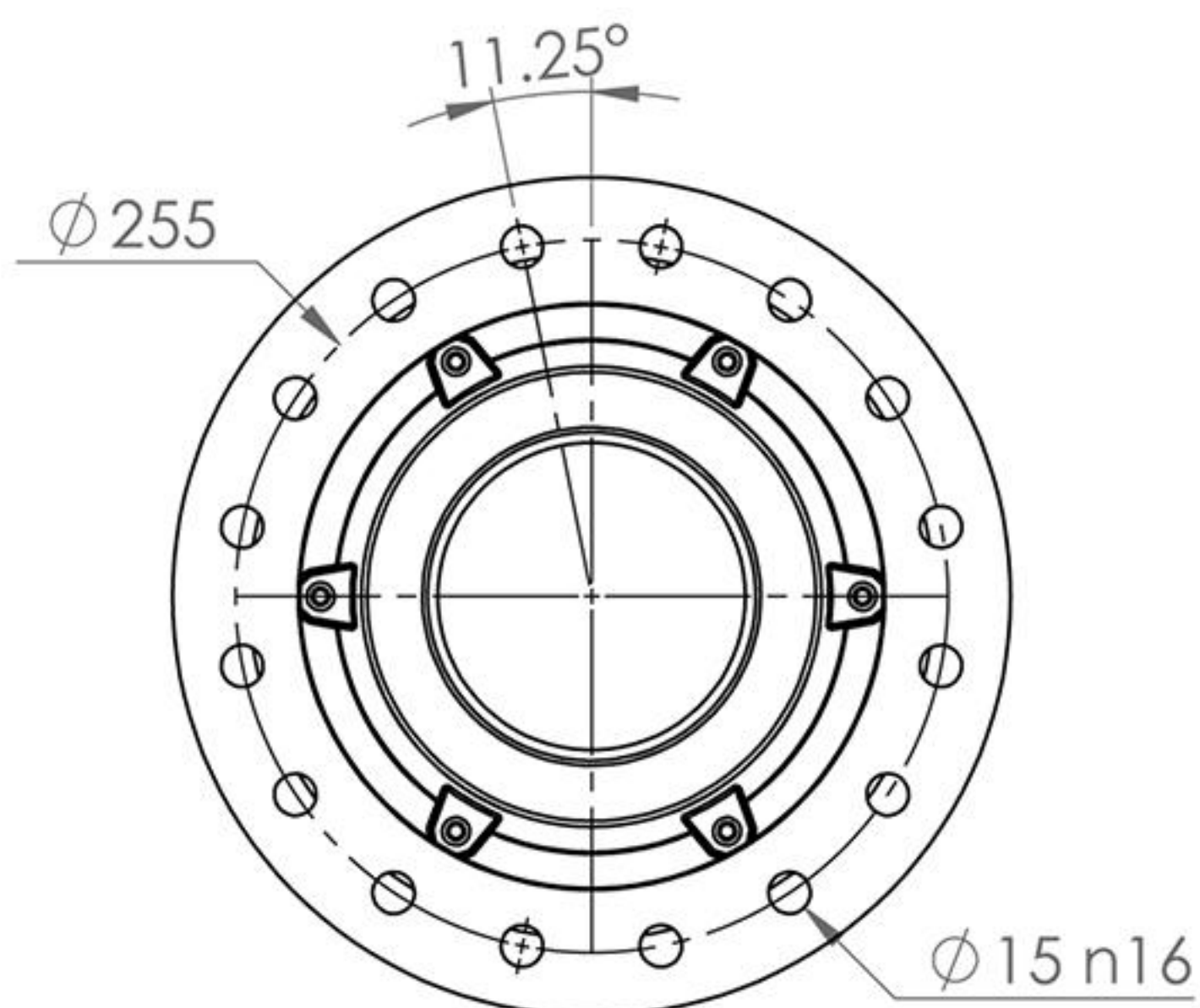
**SH 310**



**Output Flange Dimensions**



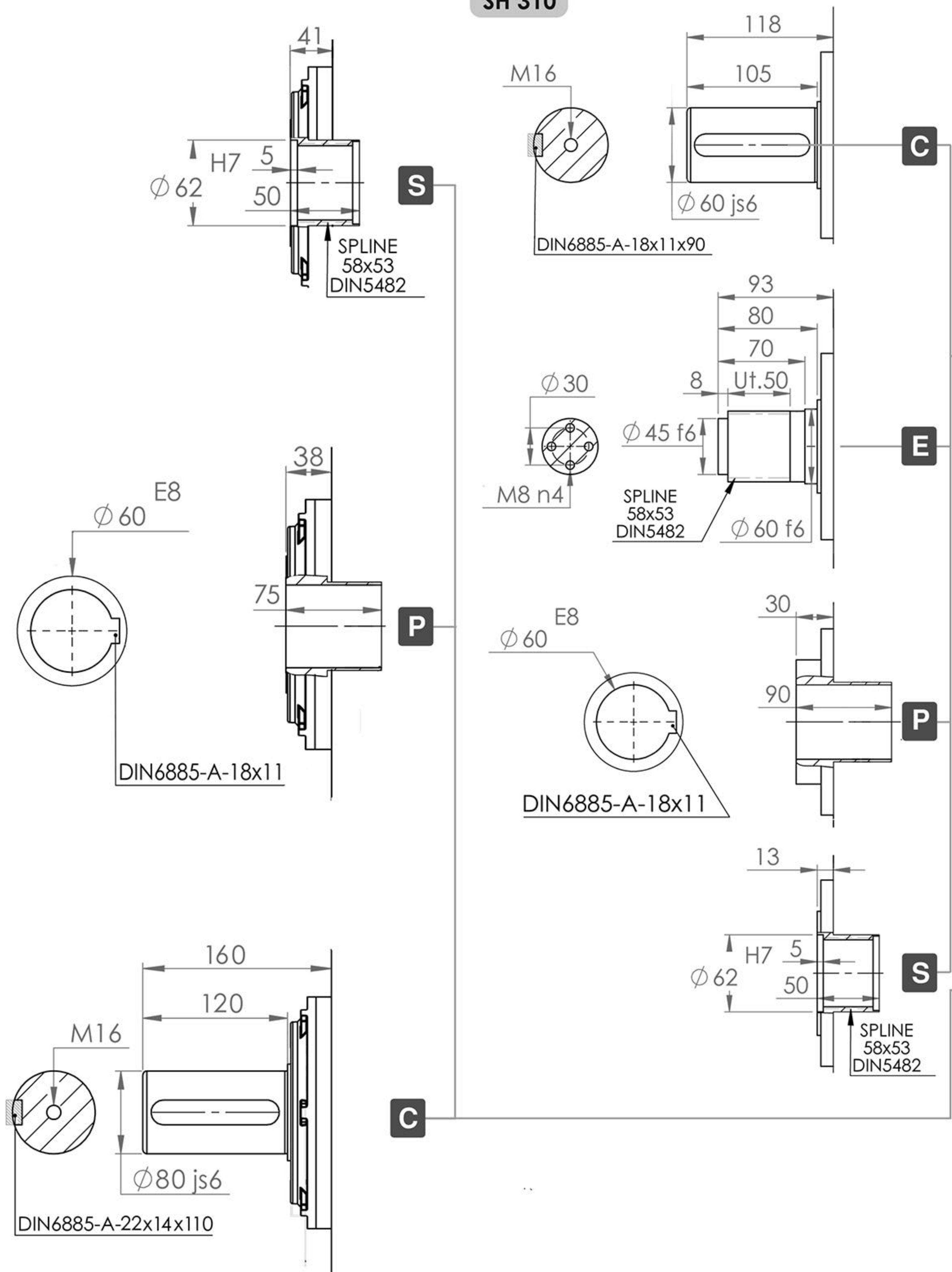
**Output Flange Dimensions**



| MOTOR FRAME | 80-4A | 90LA | 90LB | 100LA | 100LB | 112M | 132MA | 132MB | 160LA | 160LB |
|-------------|-------|------|------|-------|-------|------|-------|-------|-------|-------|
| E           | L1    | -    | -    | -     | -     | -    | -     | -     | 177   | 177   |
|             | L2    | -    | -    | -     | 117   | 117  | 144   | 144   | -     | -     |
|             | L3    | 93   | 93   | 93    | 103   | 103  | -     | -     | -     | -     |
|             | L4    | 93   | -    | -     | -     | -    | -     | -     | -     | -     |



SH 310

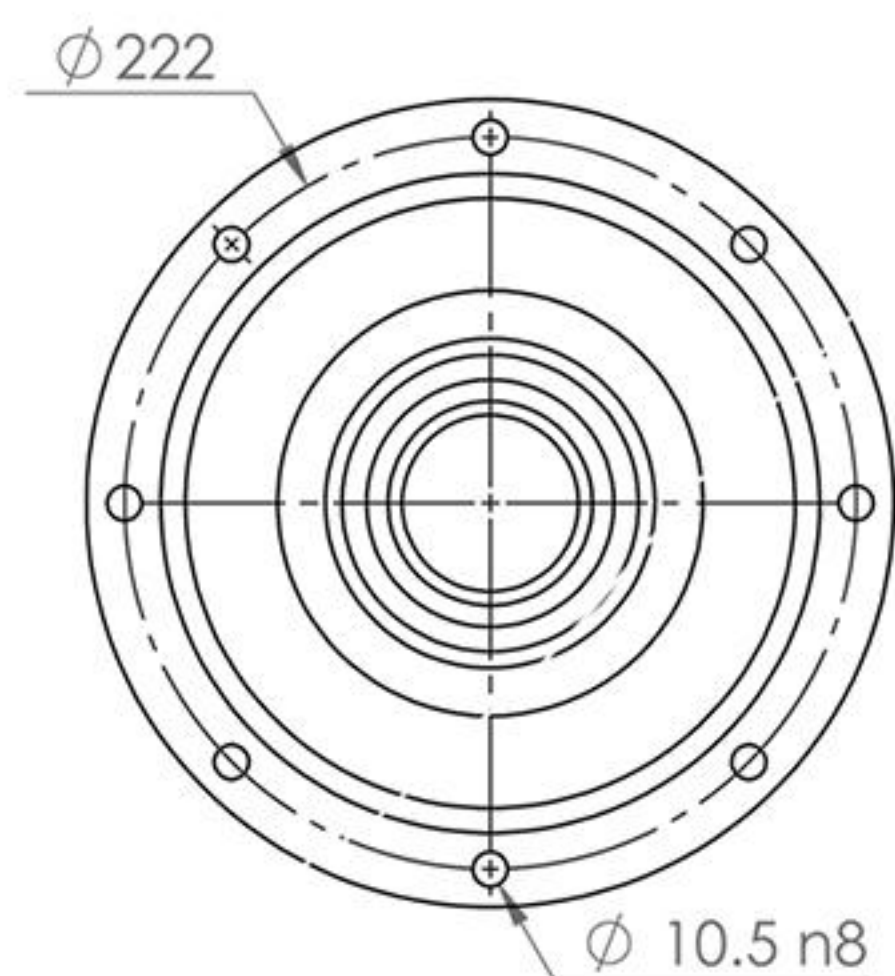
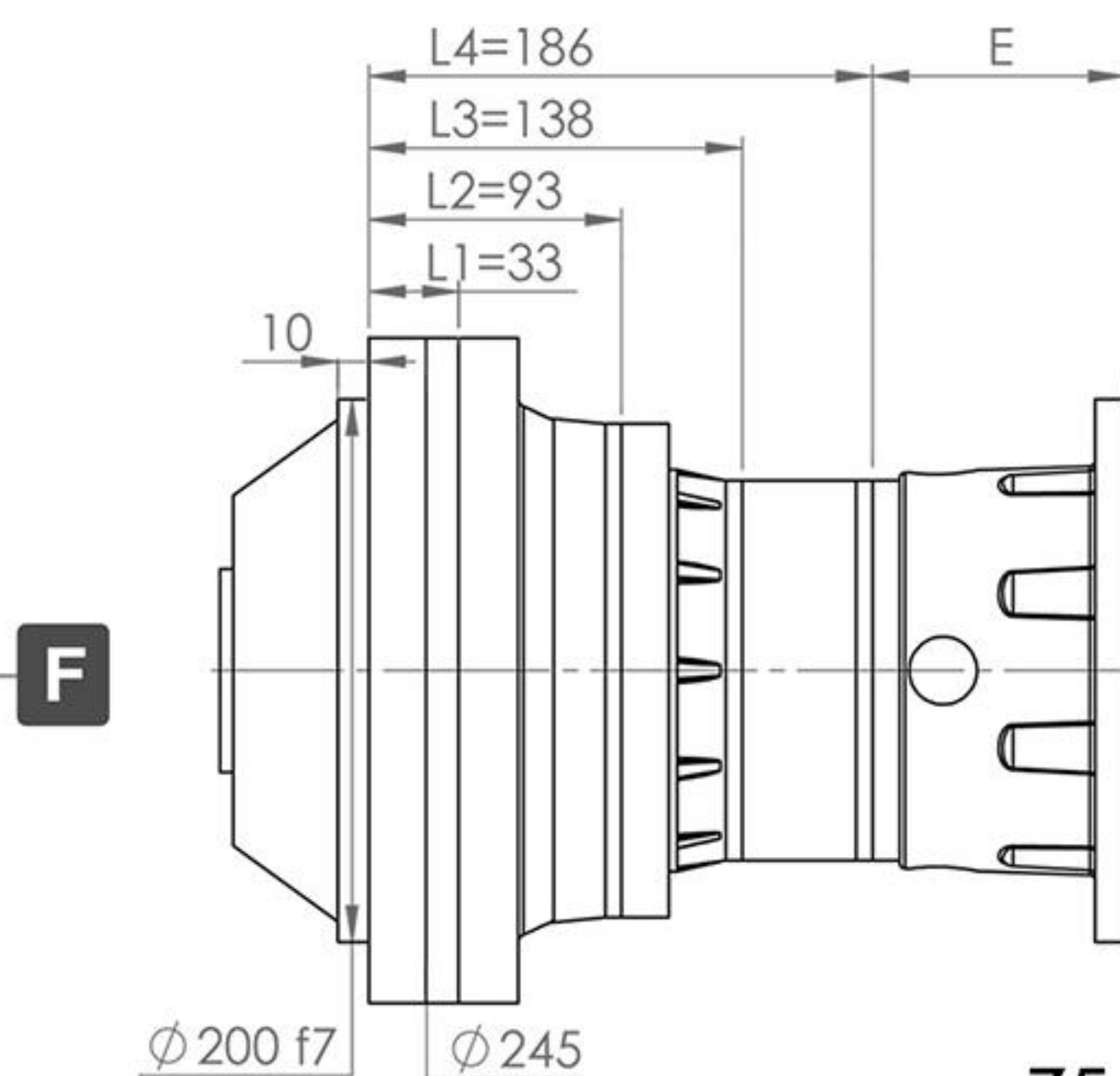
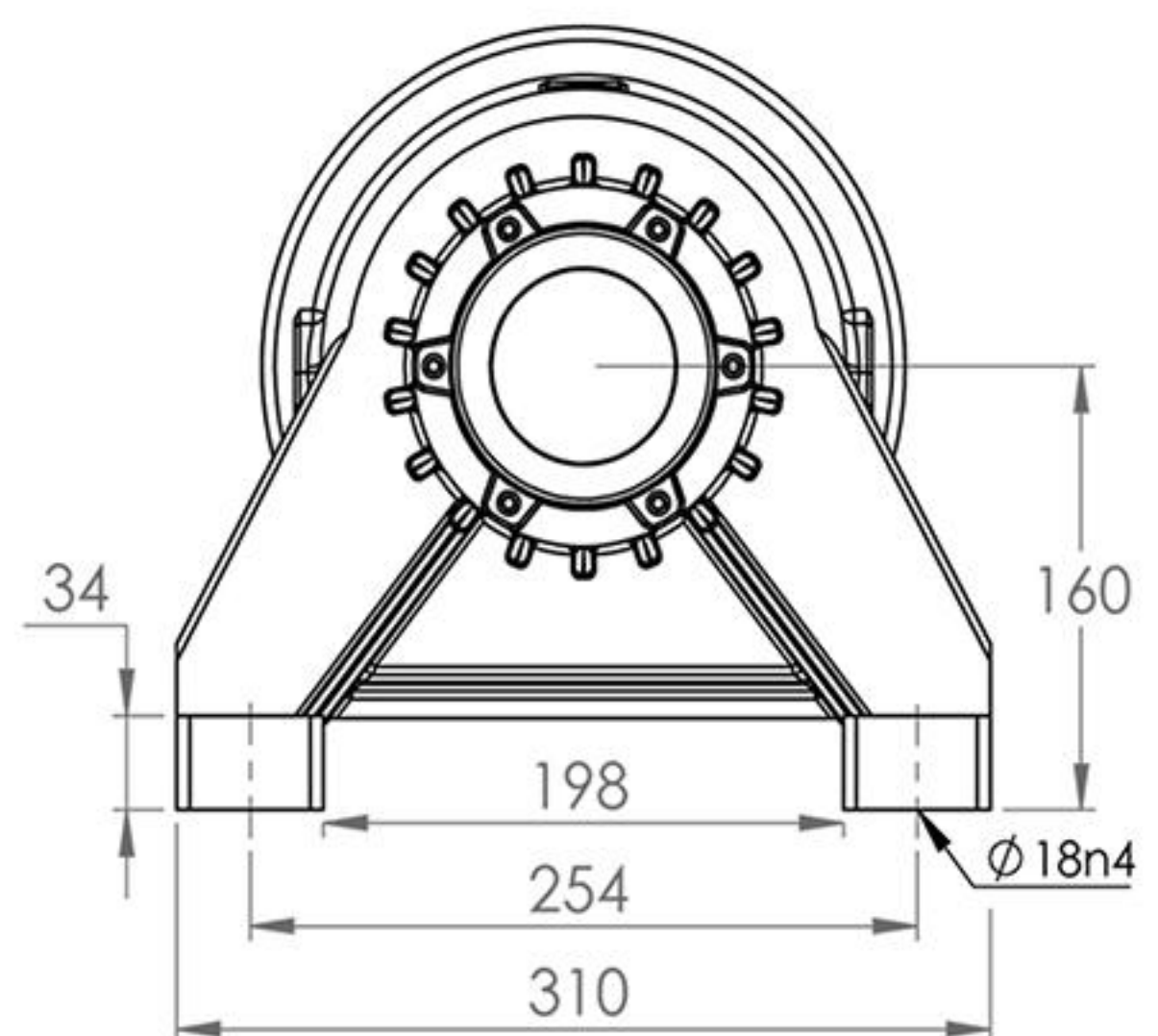
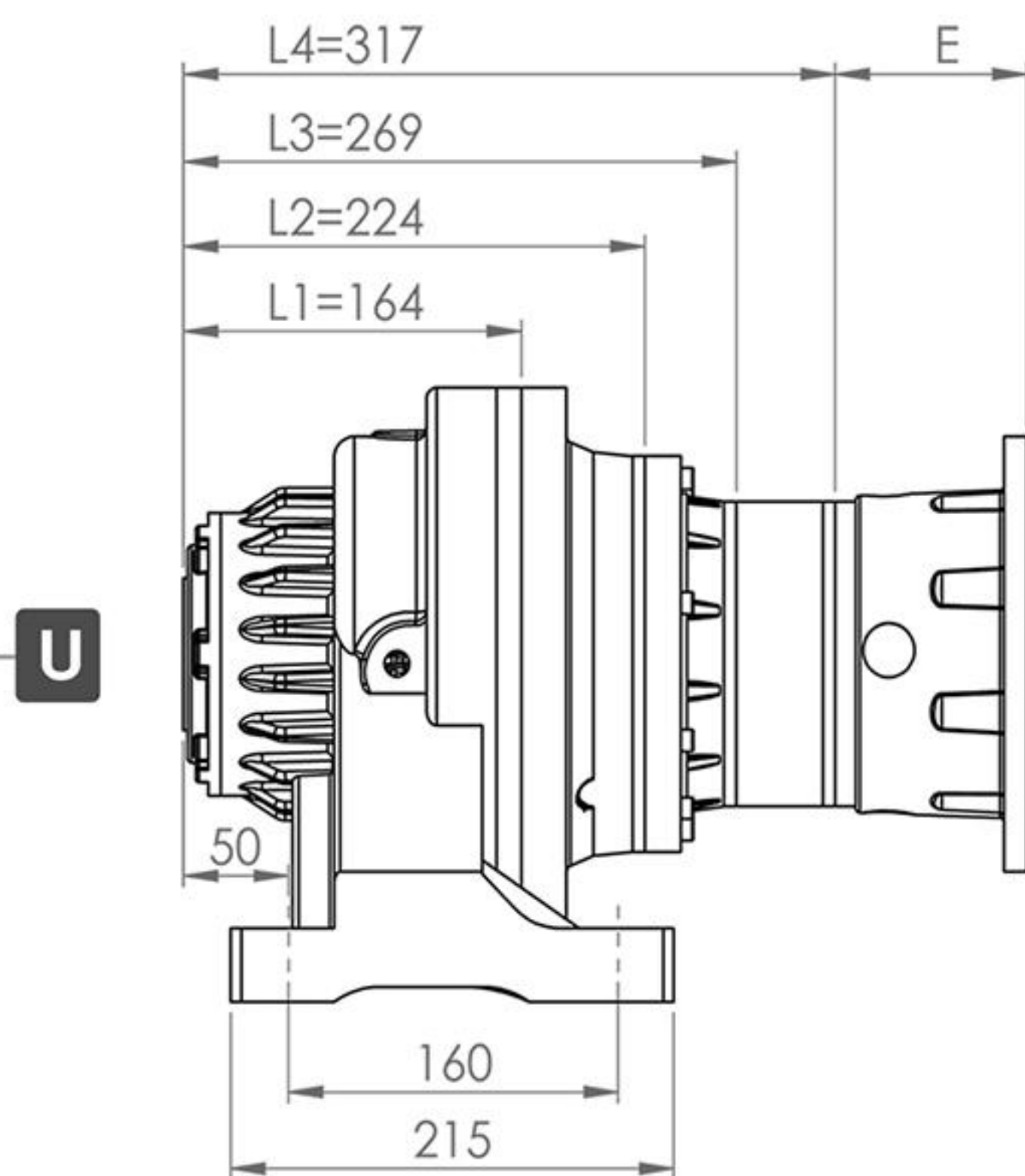
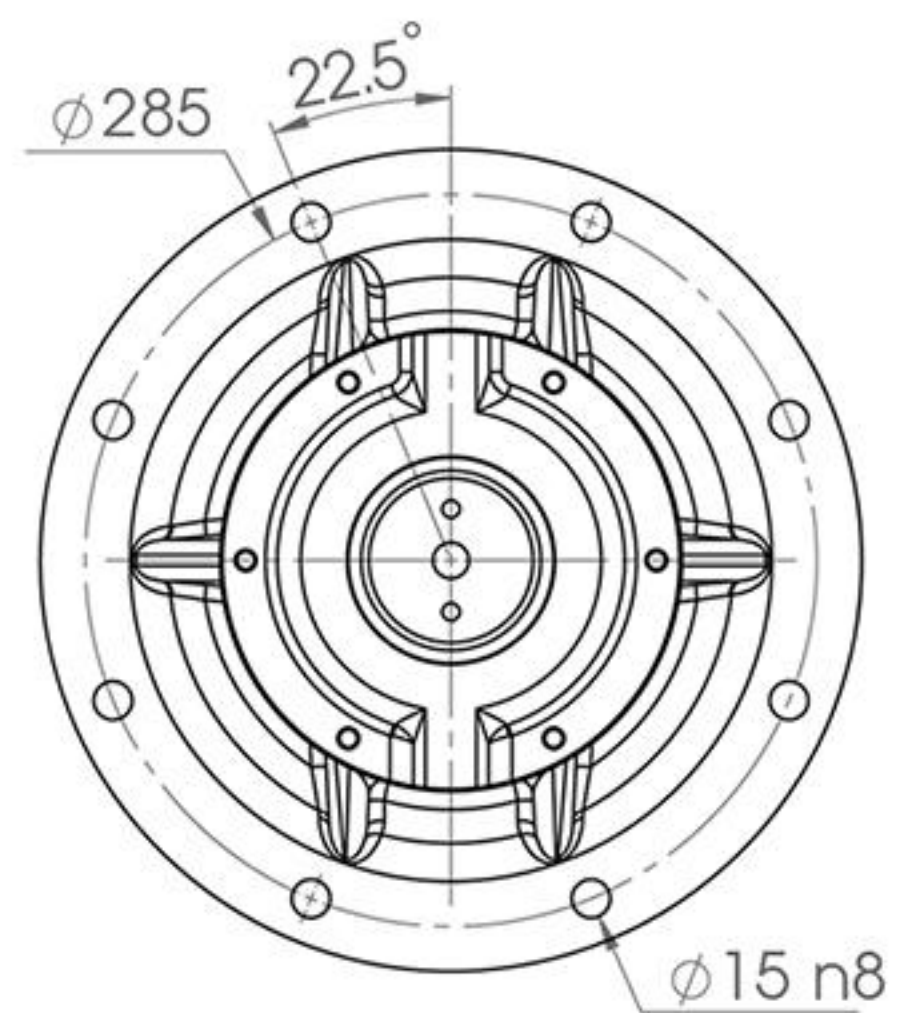
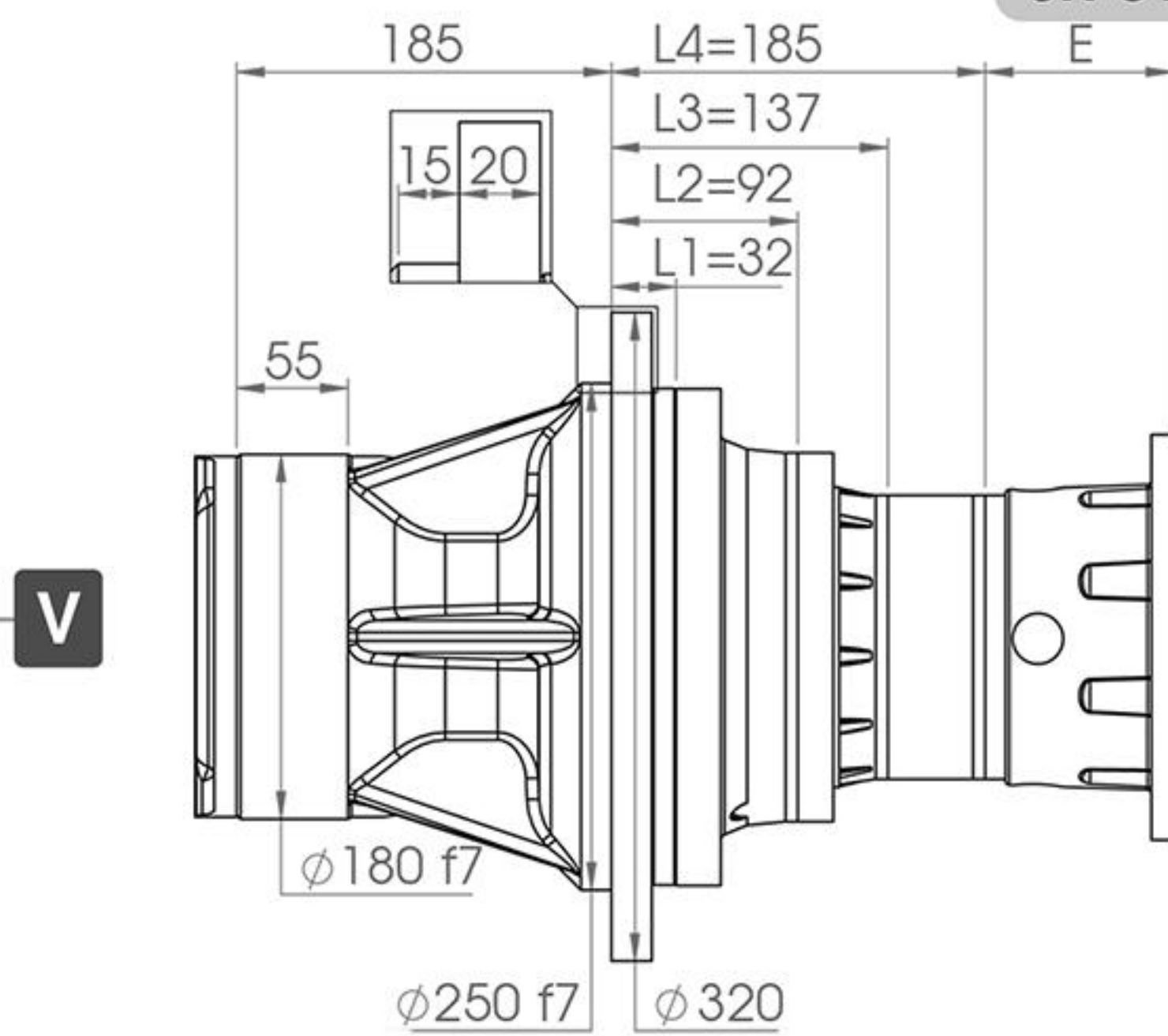




Shahbaz Gearbox Pishro Sepahan

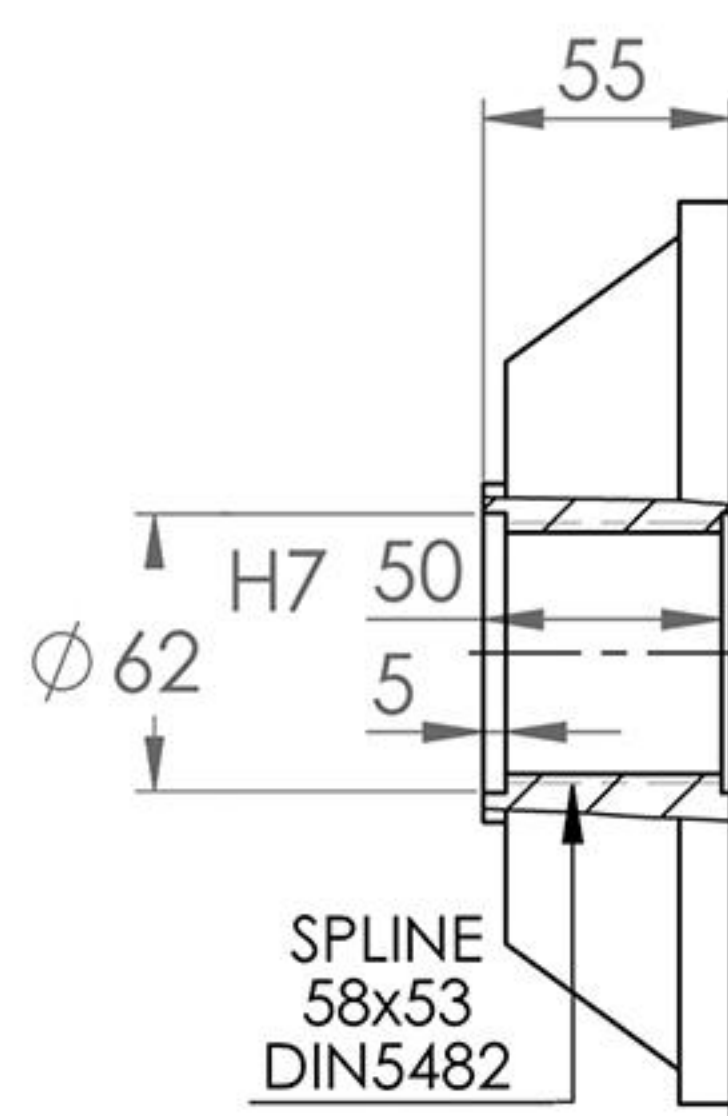
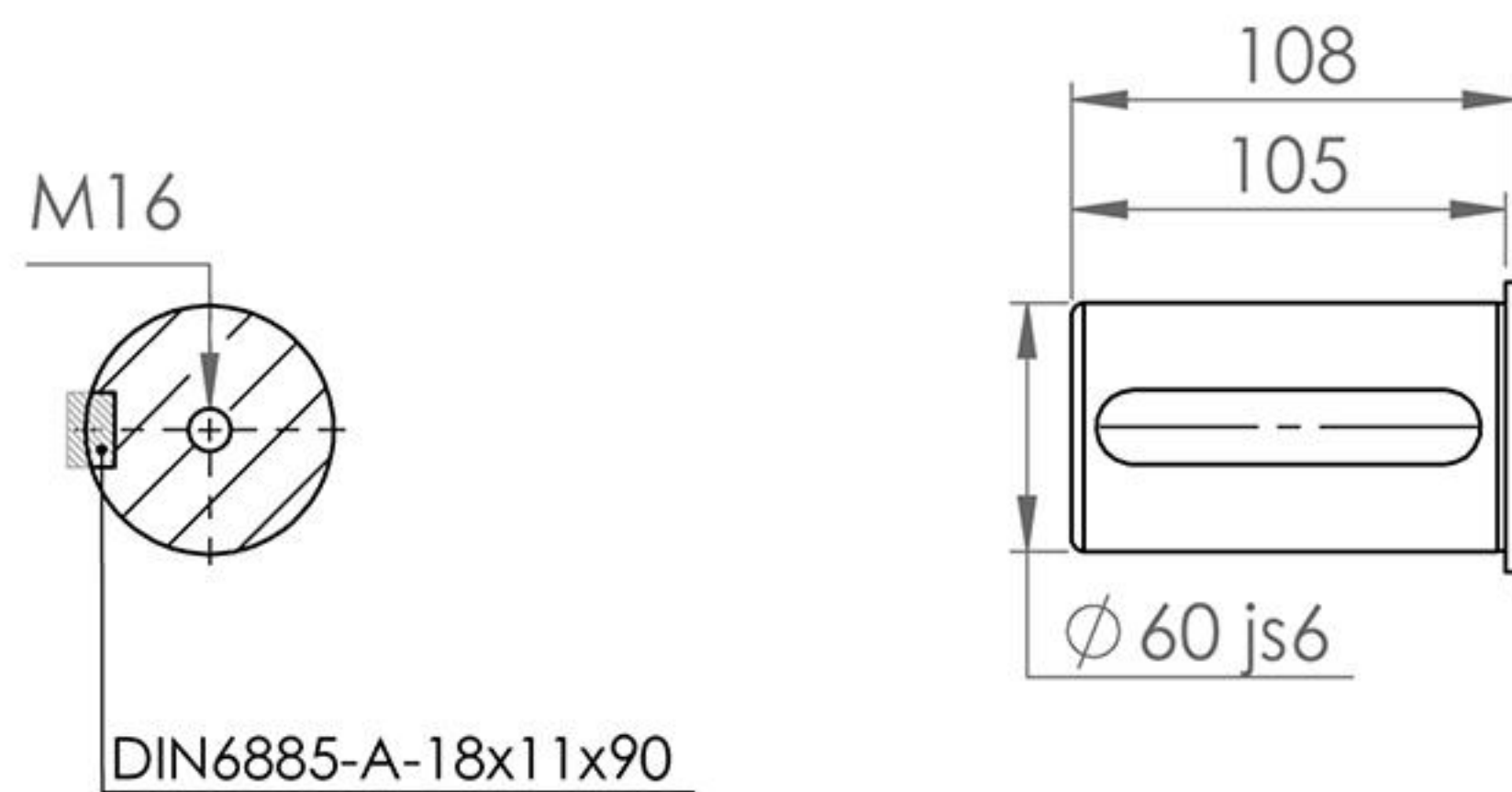
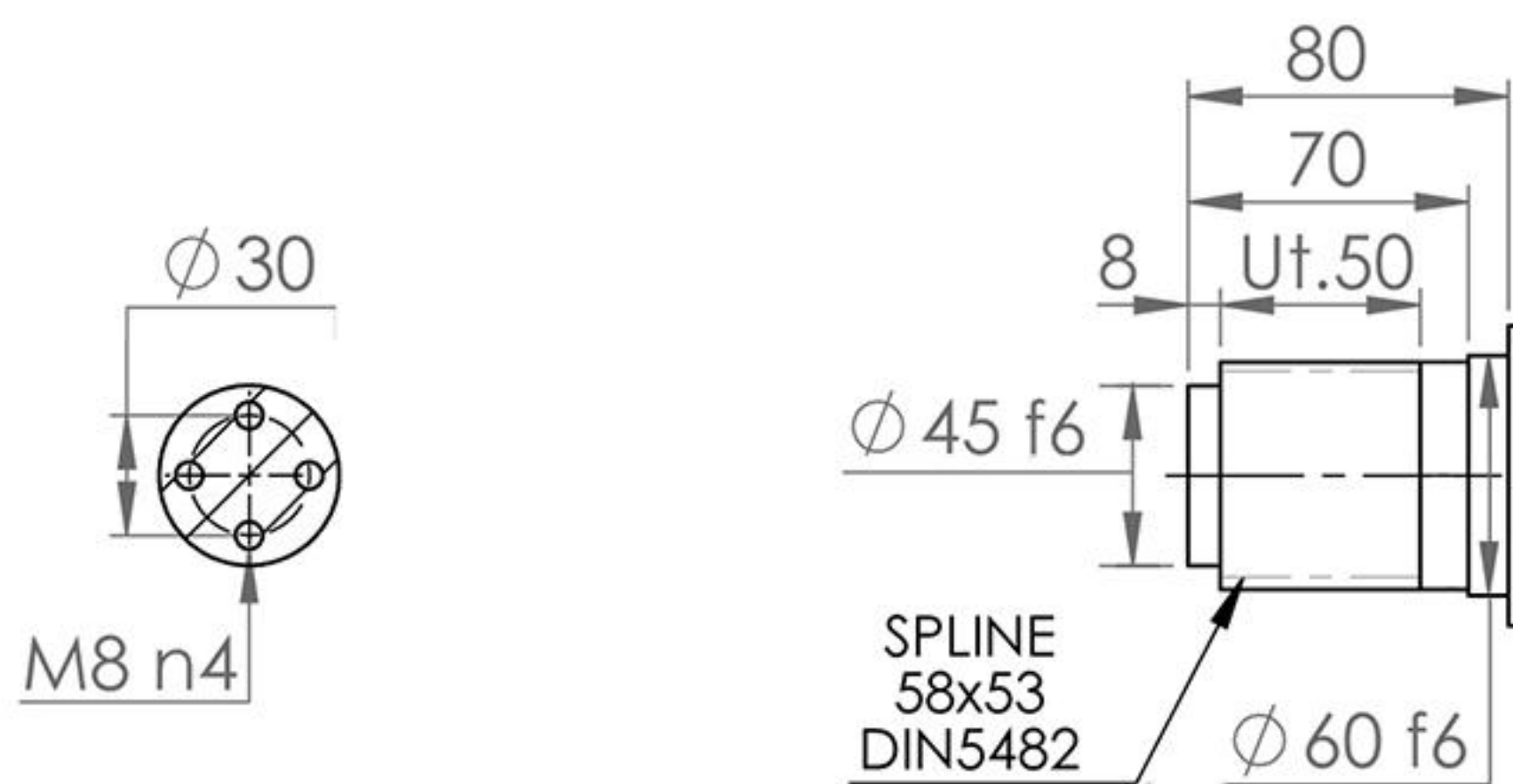
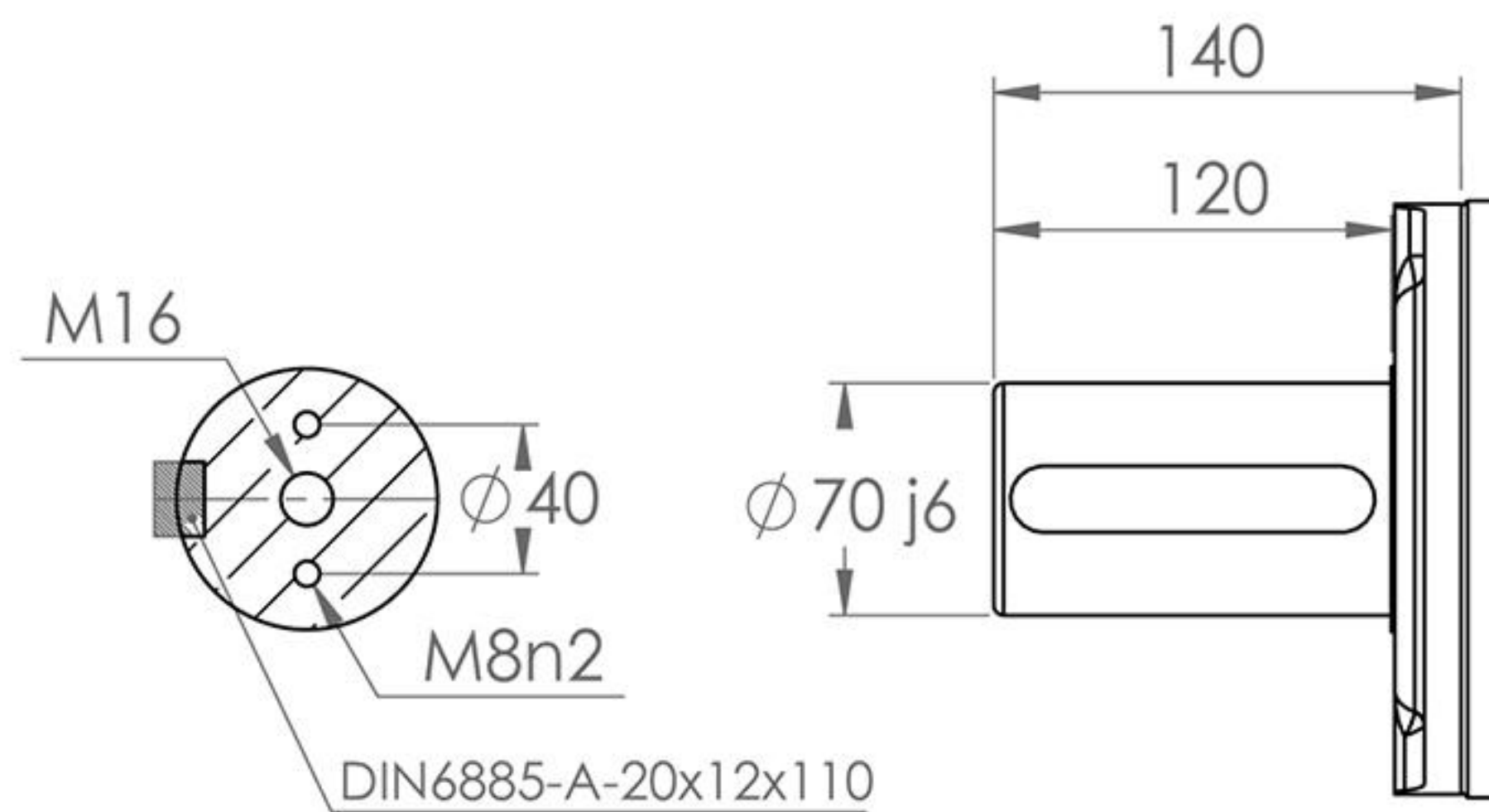
شه‌باز گیربکس  
پیشرو سپاهان

SH 310





SH 310

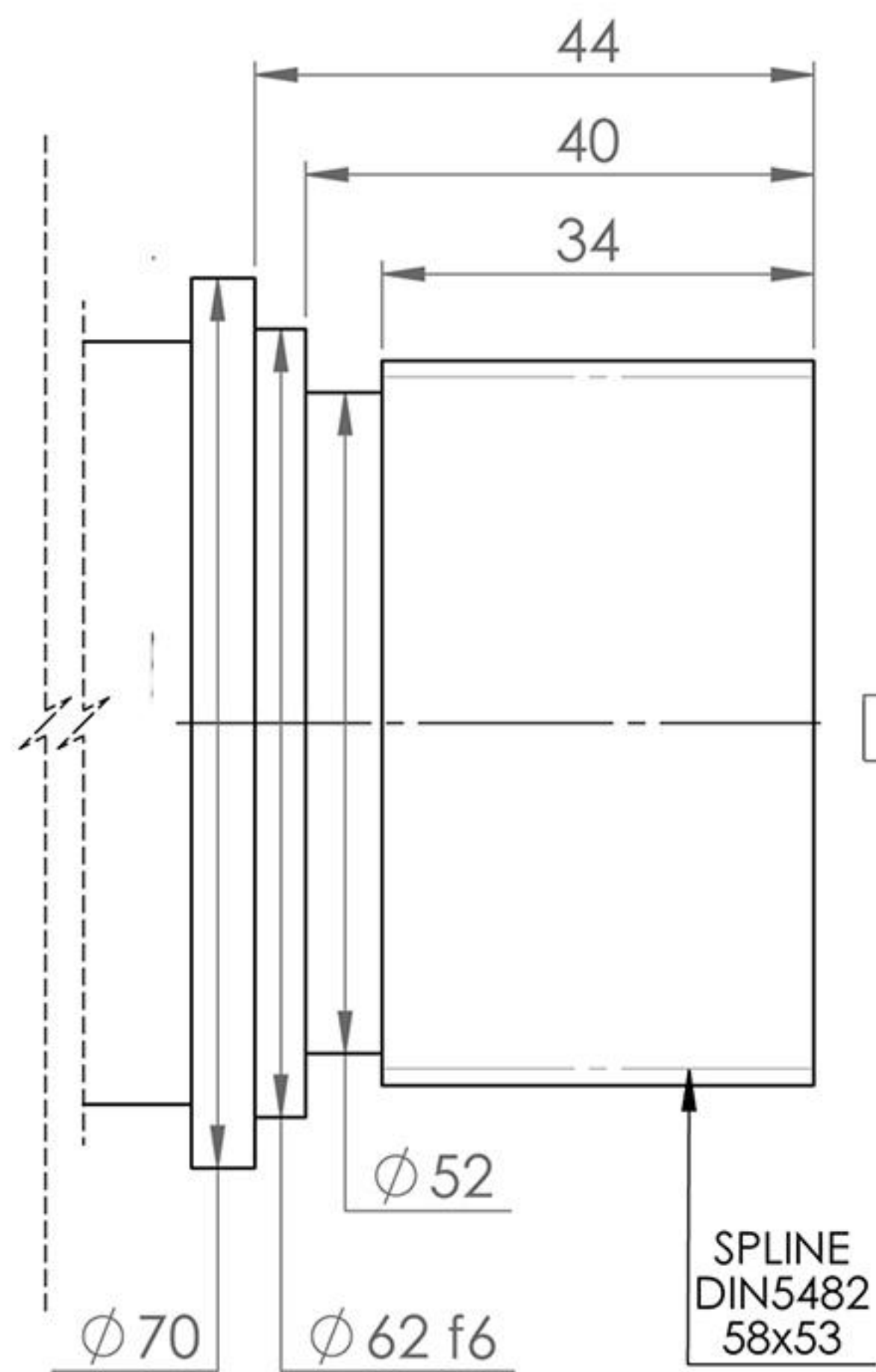




Shahbaz Gearbox Pishro Sepahan

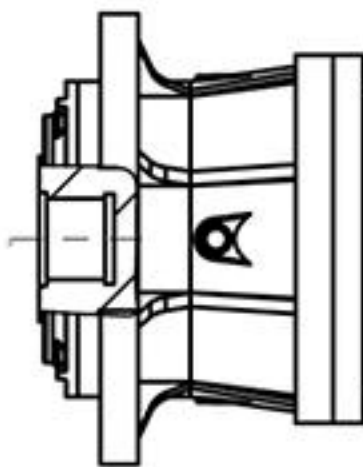
شهباز گیربکس  
پیشرو سپاهان

## SH 310

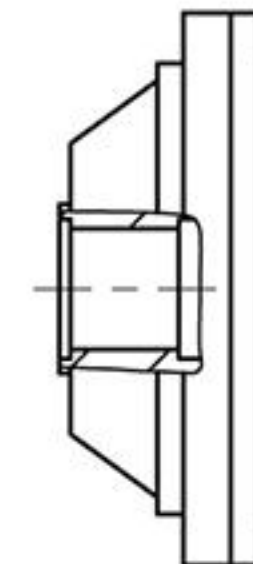


Saft S(E)310

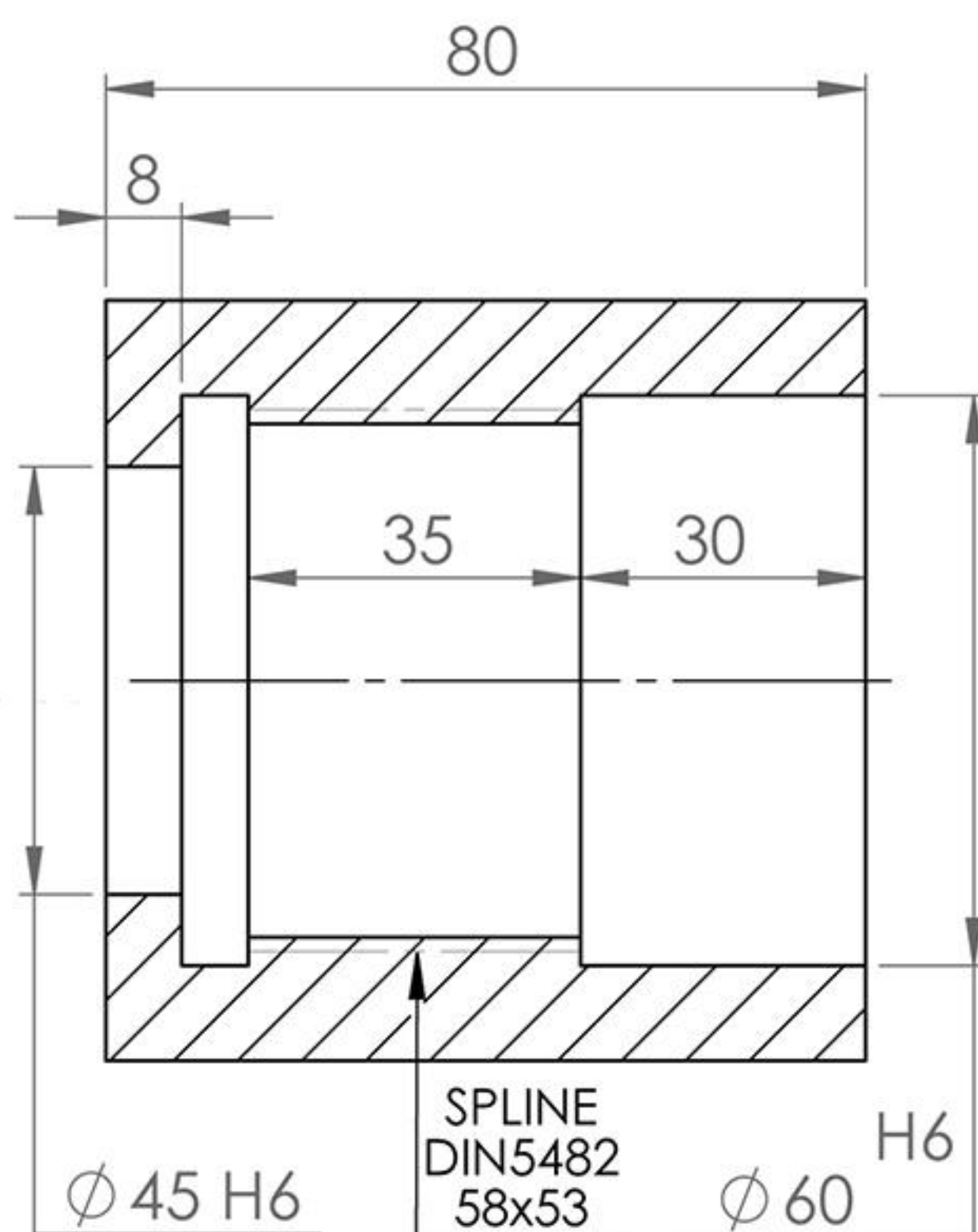
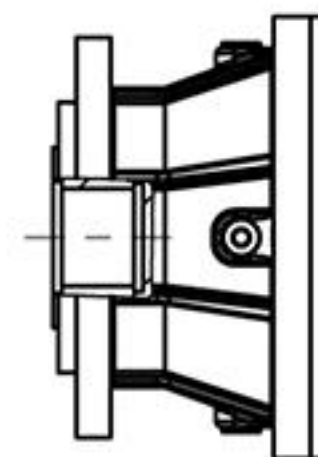
SH 310 ... PS



SH 310 ... FS

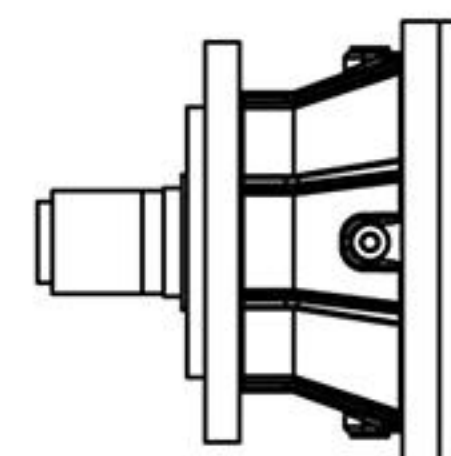


SH 310 ... MS

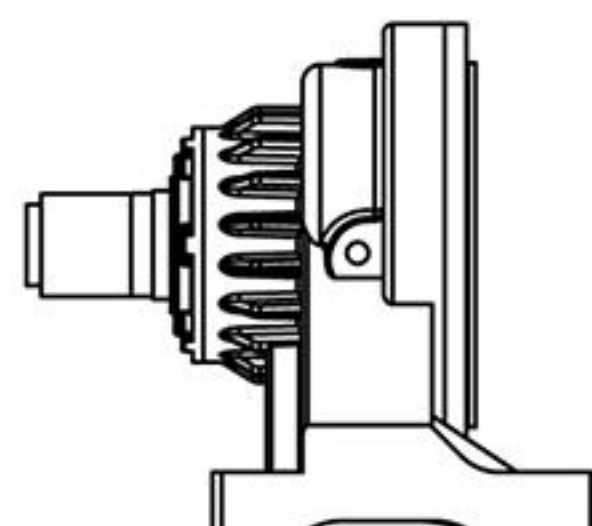


Bush S(I)310

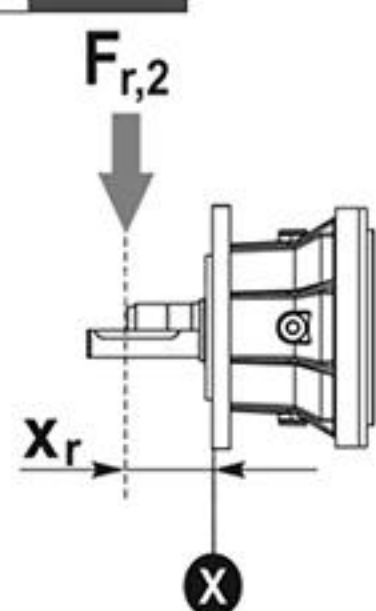
SH 310 ... ME



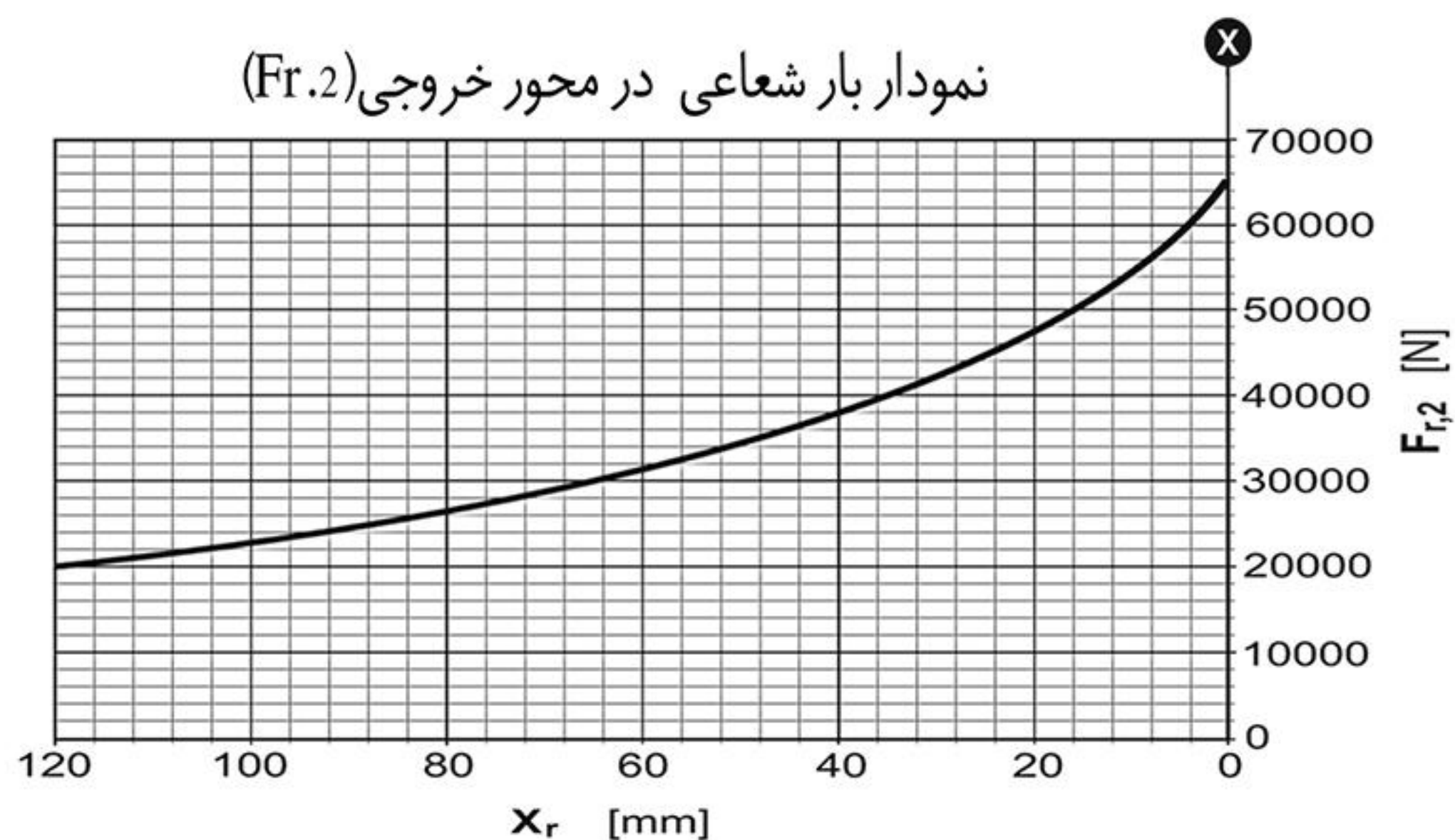
SH 310 ... UE



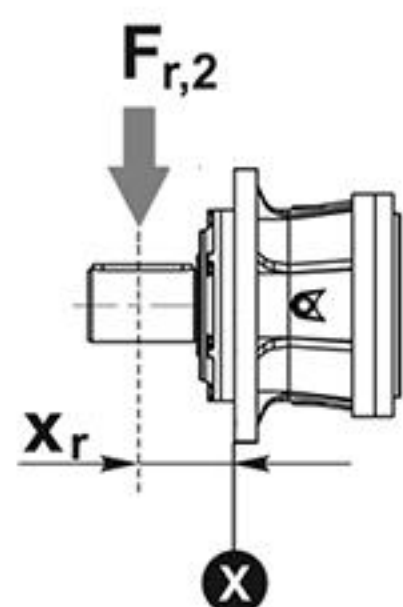
|    |     |    |          |
|----|-----|----|----------|
| SH | 310 | .. | MC<br>ME |
|----|-----|----|----------|



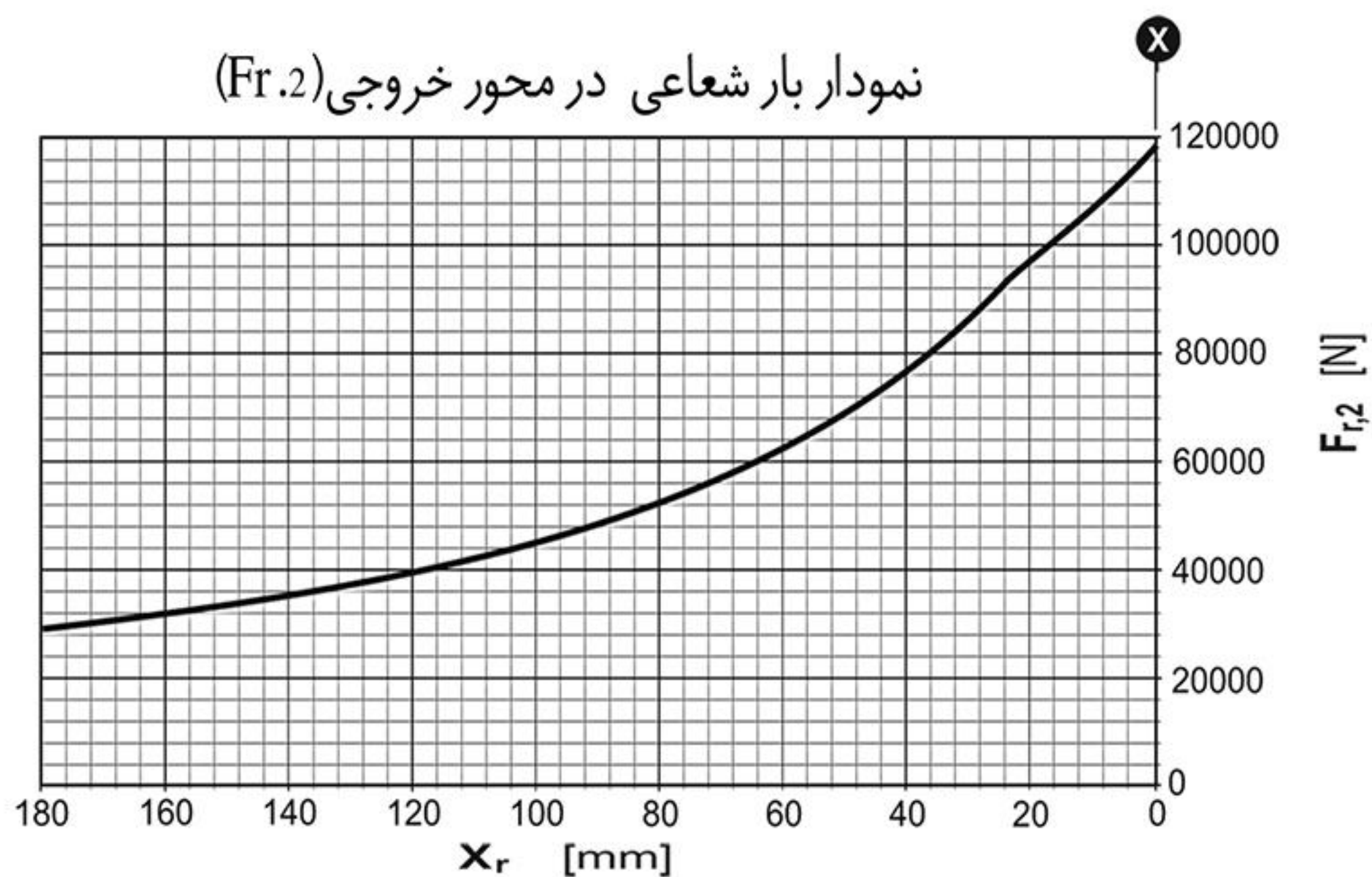
نمودار بار شعاعی در محور خروجی (Fr.2)



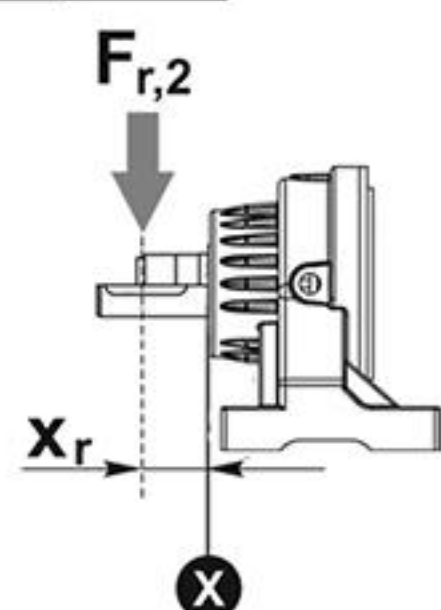
|    |     |    |    |
|----|-----|----|----|
| SH | 310 | .. | PC |
|----|-----|----|----|



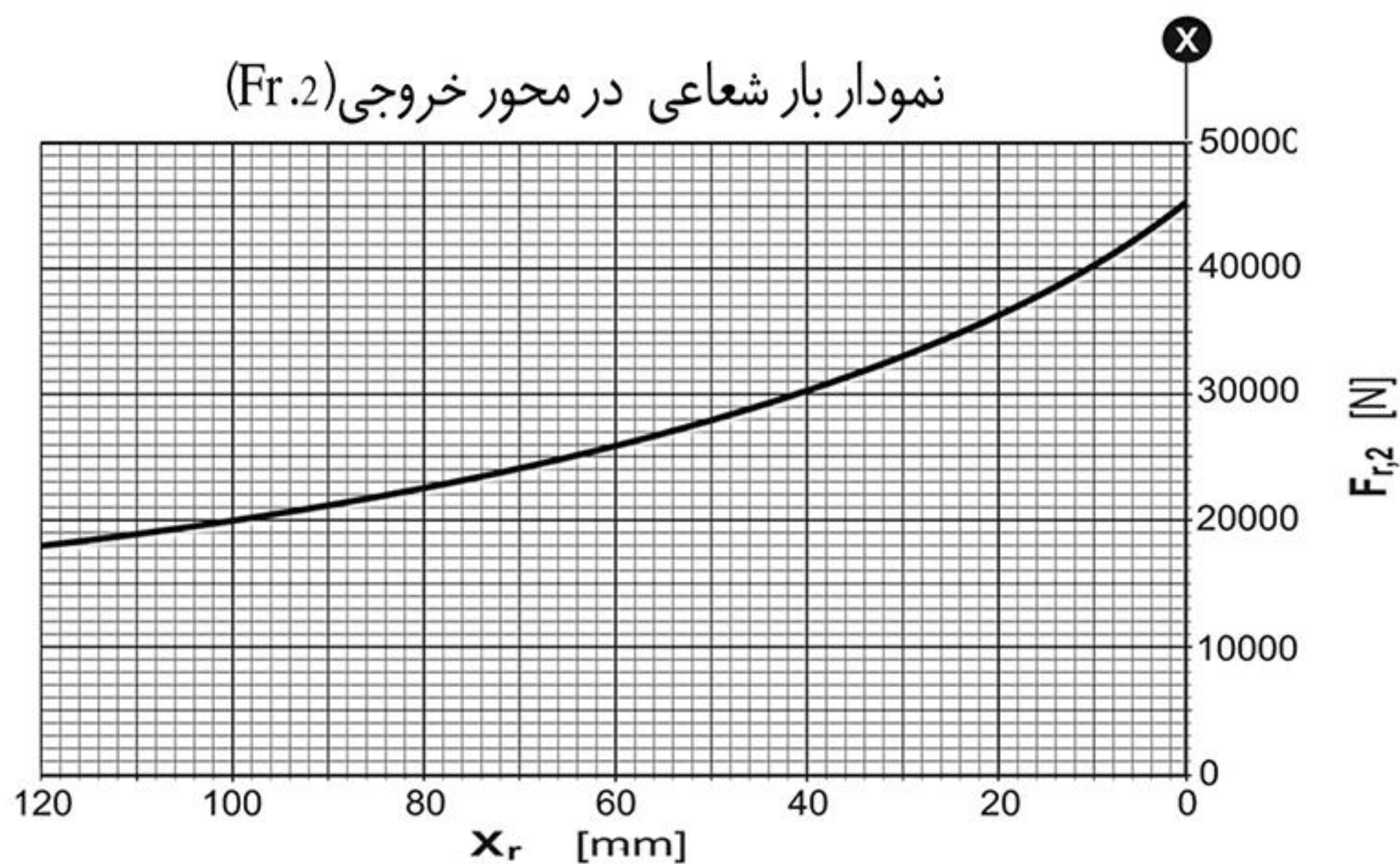
نمودار بار شعاعی در محور خروجی (Fr.2)



|    |     |    |          |
|----|-----|----|----------|
| SH | 310 | .. | UE<br>UC |
|----|-----|----|----------|



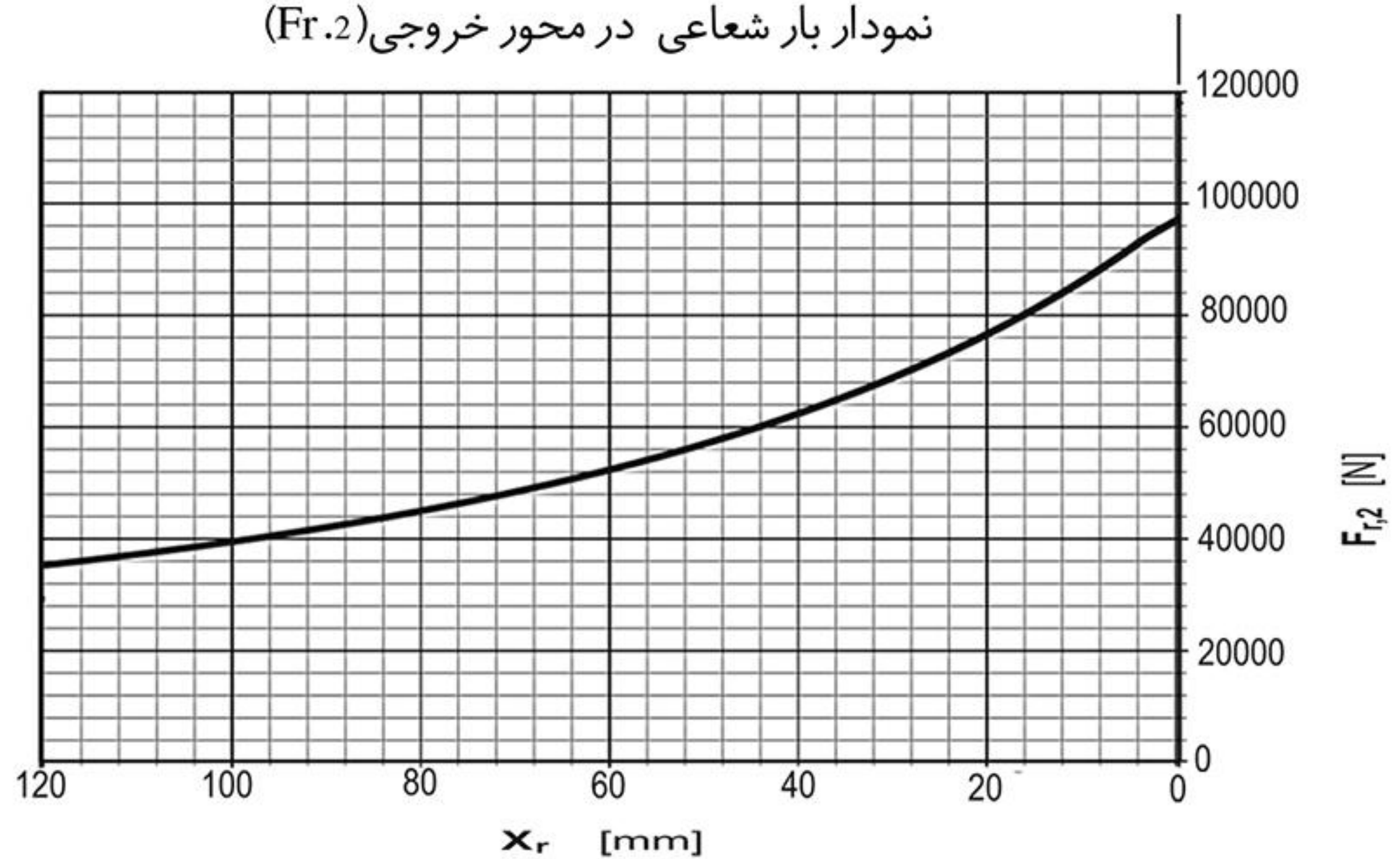
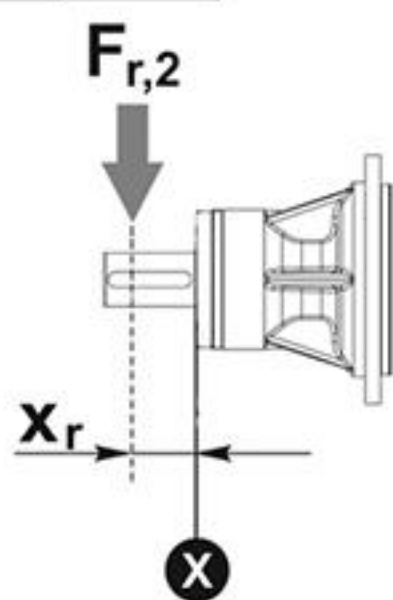
نمودار بار شعاعی در محور خروجی (Fr.2)





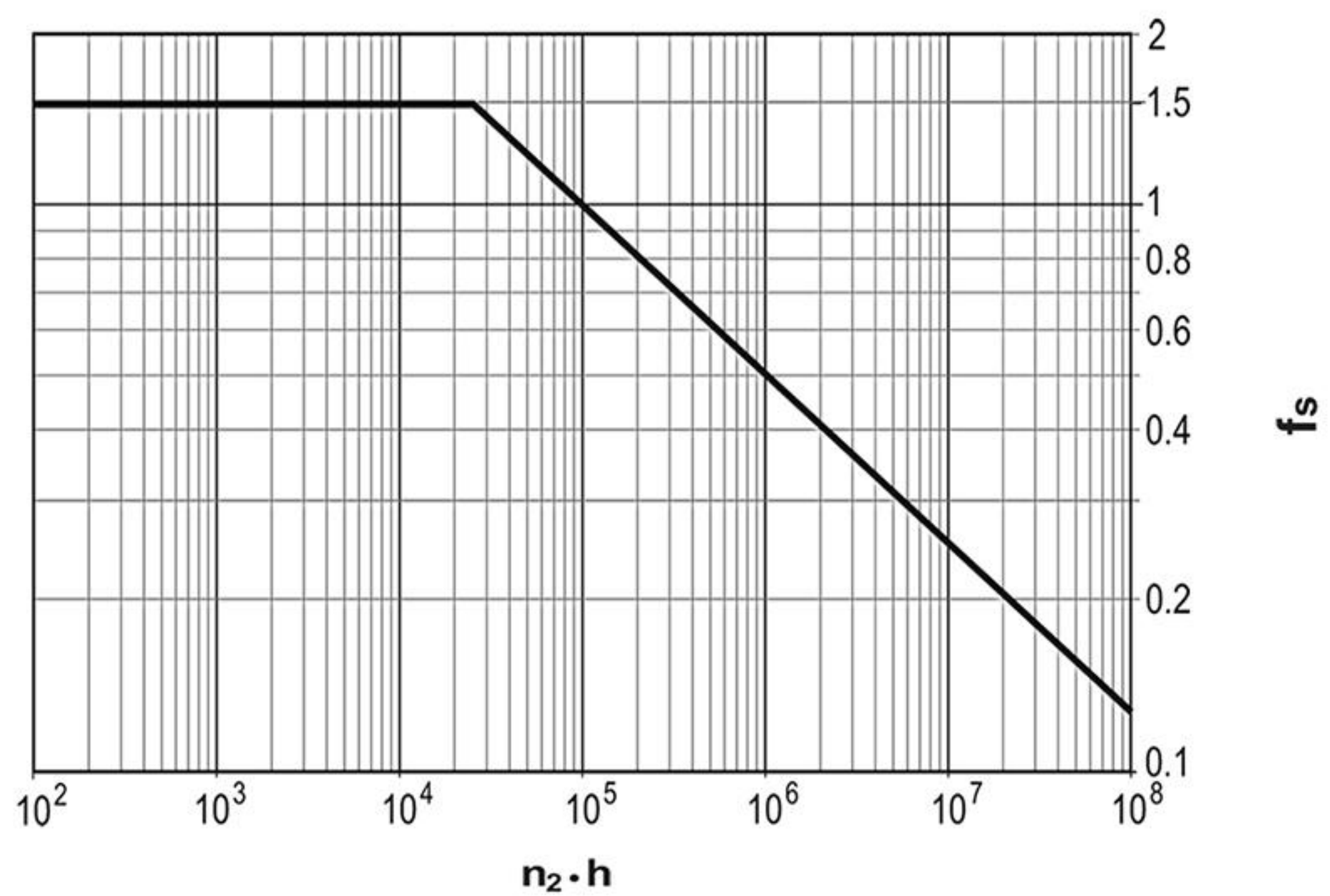
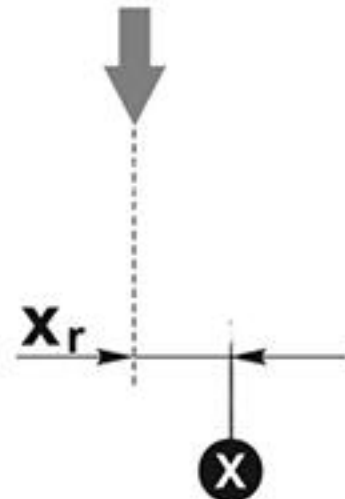
نمودار بار شعاعی در محور خروجی (Fr.2)

|    |     |    |    |
|----|-----|----|----|
| SH | 310 | .. | VC |
|----|-----|----|----|



نمودار ضریب اطمینان بار شعاعی در محور خروجی

بار شعاعی اصلاح شده  $F_{r,2}(f_s)$



$$F_{r,2}(f_s) = F_{r,2} \times f_s$$

بار شعاعی اصلاح شده



Shahbaz Gearbox Pishro Sepahan

شهباز گیربکس  
پیشرو سپاهان

یادداشت :