

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



|                    |         |     |
|--------------------|---------|-----|
| MODEL              | M15     |     |
| Ø OUTPUT SHAFT     | 50      | mm  |
| APPROXIMATE RATIO  | 40      |     |
| EXACT RATIO        | 40.00   |     |
| OUTPUT SPEED       | 37      | RPM |
| EXACT OUTPUT SPEED | 37      | RPM |
| INPUT POWER        | 3.00    | KW  |
| INPUT ROTATION     | 1400    | RPM |
| INPUT PAM          | 100B5   |     |
| OUTPUT TORQUE      | 638.44  | N.m |
| NOMINAL TORQUE     | 1550.00 | N.m |
| NOMINAL POWER      | 7.3     | KW  |
| SERVICE FACTOR     | 2.43    |     |
| DYNAMIC EFFICIENCY | 0.78    |     |



#### Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 7     | 5.4   | 5.4   | 5.1   | 7     | 5.1   |

#### Radial and Axial Loads



| $n_2$ [min-1] | $F_A$ [N] | $F_R$ [N] |
|---------------|-----------|-----------|
| 200           | 1300      | 6500      |
| 100           | 1640      | 8200      |
| 50            | 2120      | 10600     |
| 15            | 3300      | 16500     |

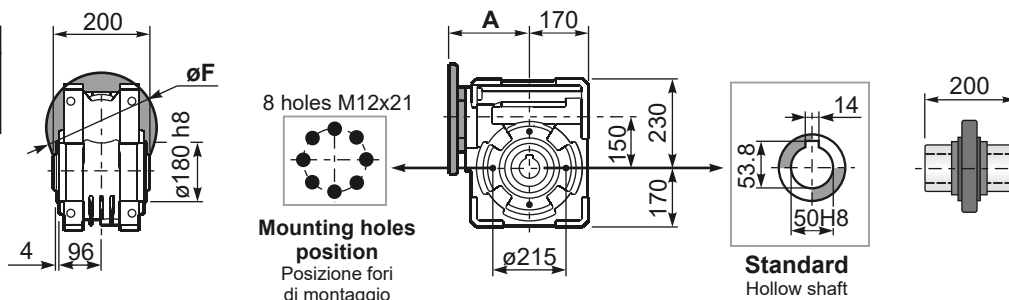
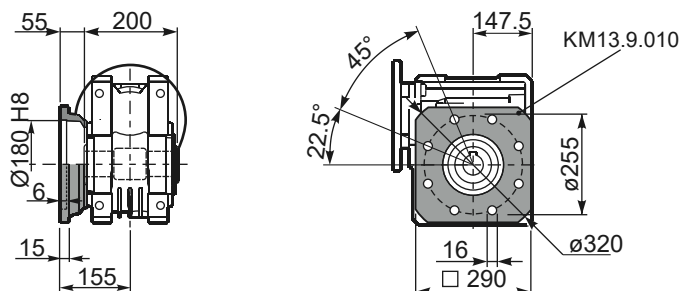
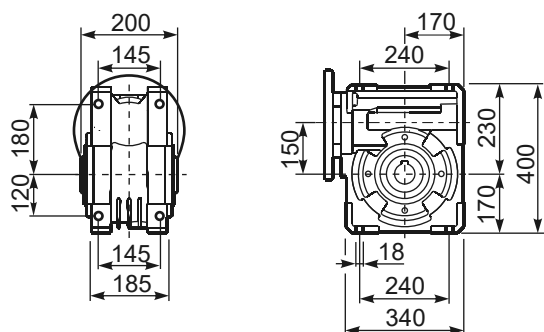
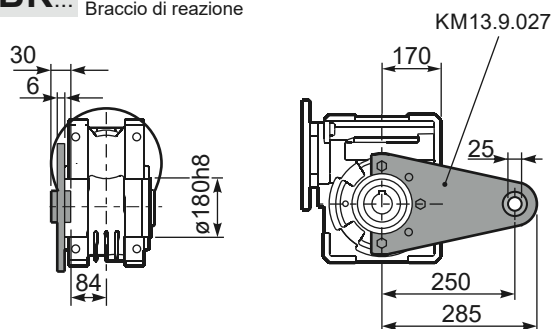
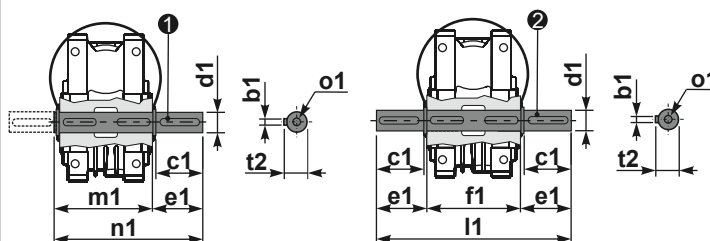
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PM15**FB**...Basic wormbox  
Riduttore baseGearbox  
weight  
peso riduttore**84.0 kg**

| M. flanges       | Kit code   | øF  | A   |
|------------------|------------|-----|-----|
| <b>100/112B5</b> | KM15.4.042 | 250 | 210 |
| <b>132B5</b>     | KM15.4.043 | 300 | 210 |
| <b>160B5</b>     | KM15.4.044 | 350 | 210 |

PM15**FC**...Square flange  
Flangia quadrataPM15**FB**...Feet  
PiediniPM15**BR**...Reaction arm  
Braccio di reazionePM15.....**S**...Single Shaft  
Albero lento semplicePM15.....**D**...Double Shaft  
Albero lento bisp.

① kit cod. KM15.5.028 type B

② kit cod. KM15.5.029 type B

|      | b1 | c1 | d1                                     | e1 | f1  | l1  | m1  | n1  | t2   | o1  |
|------|----|----|----------------------------------------|----|-----|-----|-----|-----|------|-----|
| type | 14 | 82 | 50 <sup>-0.005</sup> <sub>-0.020</sub> | 87 | 200 | 374 | 210 | 297 | 53.5 | M16 |
| type | -  | -  | -                                      | -  | -   | -   | -   | -   | -    | -   |