

|                            |        |     |
|----------------------------|--------|-----|
| MODELO                     | UMSG50 |     |
| Ø EJE DE SALIDA            | 25     | mm  |
| RELACIÓN APROXIMADA        | 100    |     |
| RELACIÓN EXACTA            | 100.00 |     |
| VELOCIDAD DE SALIDA        | 15     | RPM |
| VELOCIDAD DE SALIDA EXACTA | 15     | RPM |
| POTENCIA DE ENTRADA        | 0.12   | KW  |
| ROTACIÓN DE ENTRADA        | 1400   | RPM |
| PAM DE ENTRADA             | 63B5   |     |
| PAR DE SALIDA              | 40.11  | N.m |
| PAR NOMINAL                | 60.16  | N.m |
| POTENCIA NOMINAL           | 0.18   | KW  |
| FACTOR DE SERVICIO         | 1.50   |     |
| EFICIENCIA DINÁMICA        | 0.49   |     |



#### Cantidad de Aceite (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.15  | 0.15  | 0.15  | 0.15  | 0.15  | 0.15  |

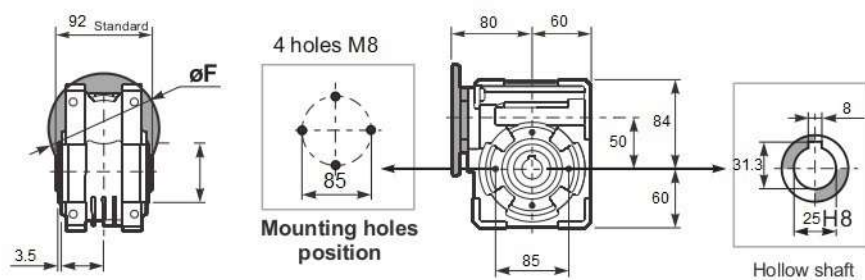
#### Cargas Radiales y Axiales



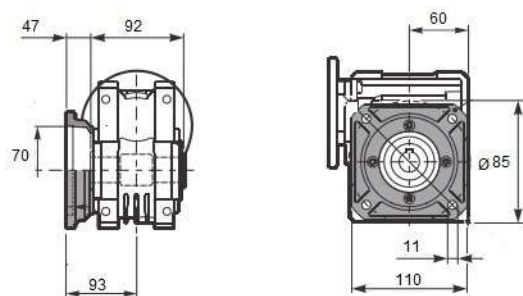
| $n_2$ [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200           | 240    | 1200   |
| 100           | 300    | 1500   |
| 50            | 380    | 1900   |
| 15            | 560    | 2800   |

# UMSG50

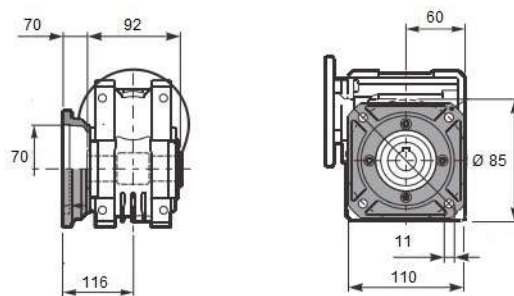
## Basic wormbox



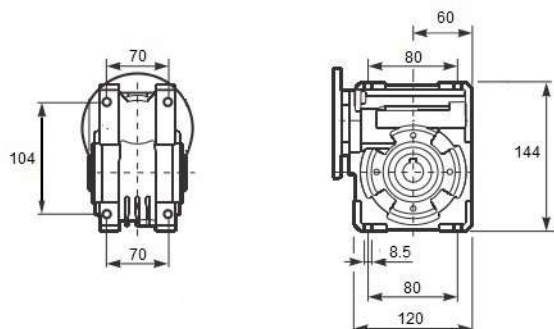
Square flange FA



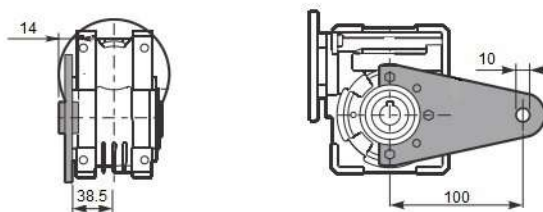
Square flange FB



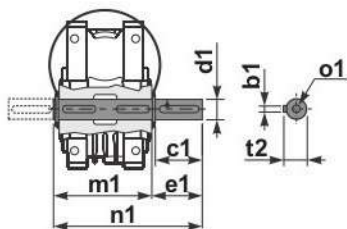
## Feet



## Reaction arm



### Single Shaft



| b1 | c1 | d1 | e1   | m1 | n1  | t2 | o1  |
|----|----|----|------|----|-----|----|-----|
| 8  | 50 | 25 | 53.5 | 92 | 153 | 28 | M10 |

| 1400 rpm | N2  | Relação | P1   | F5  | P1n  | M2 | Rend. | Fr max | Veio    |        | Flanges de entrada |        |        |        |
|----------|-----|---------|------|-----|------|----|-------|--------|---------|--------|--------------------|--------|--------|--------|
|          | rpm | i       | kW   |     | kW   | Nm | %     | N      | Entrada | Saída  | 63                 | 71     | 80     |        |
| UMSG50   | 187 | 7,5     | 1,1  | 1,5 | 1,6  | 71 | 0,88  | 1805   | 19      | 25     |                    | B14/B5 | B14/B5 |        |
|          | 140 | 10      | 1,1  | 1,1 | 1,2  | 70 | 0,86  | 1987   |         |        |                    | B14/B5 | B14/B5 |        |
|          | 93  | 15      | 0,75 | 1,2 | 0,88 | 73 | 0,82  | 2274   |         |        |                    | B14/B5 | B14/B5 |        |
|          | 70  | 20      | 0,75 | 0,9 | 0,68 | 72 | 0,79  | 2503   |         |        |                    | B14/B5 | B14/B5 |        |
|          | 56  | 25      | 0,55 | 1,0 | 0,54 | 69 | 0,76  | 2696   |         |        |                    | B14/B5 | B14/B5 |        |
|          | 47  | 30      | 0,55 | 1,0 | 0,57 | 83 | 0,72  | 2865   |         |        |                    | B14/B5 | B14/B5 |        |
|          | 35  | 40      | 0,37 | 1,1 | 0,42 | 77 | 0,67  | 3153   |         |        |                    | B14/B5 |        |        |
|          | 28  | 50      | 0,37 | 0,9 | 0,34 | 73 | 0,63  | 3397   |         |        | 14                 |        | B14/B5 | B14/B5 |
|          | 23  | 60      | 0,25 | 1,1 | 0,28 | 68 | 0,59  | 3610   |         | B14/B5 |                    | B14/B5 |        |        |
|          | 18  | 80      | 0,25 | 0,9 | 0,22 | 64 | 0,53  | 3973   |         | B14/B5 |                    | B14/B5 |        |        |
|          | 14  | 100     | 0,18 | 1,0 | 0,18 | 52 | 0,49  | 4280   | 11      | B14/B5 |                    |        |        |        |