

## UGB

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| Dimensions (mm)          | 58 x 81                                                   |
| Height (mm)              | 17                                                        |
| Max. torque (cNm)        | 250                                                       |
| Ratios                   | 41 <sup>2/3</sup> ... 345.600                             |
| Internal slipping clutch | optional                                                  |
| Standard shaft (mm)      | Ø 8 x 12                                                  |
| Weight (g)               | 130                                                       |
| Motor combination        | Series UC, UB and UD; Series UF without UFR3/4 and UFB3/4 |



## Standard Data

|                               |                                                             |
|-------------------------------|-------------------------------------------------------------|
| Mounting                      | any position                                                |
| Axial thrust F <sub>A</sub>   | 100 N                                                       |
| Lateral force F <sub>R</sub>  | 300 N                                                       |
| Slipping clutches/free wheel  | single-way clockwise/counter clockwise function and two way |
| Slipping-/free wheel torque   | 4 ... 175 cNm                                               |
| Output shafts                 | Ø 8 x 12, other on request                                  |
| Climatic class                | wide-spread according to DIN IEC 60721-2-1                  |
| Ambient temperature operation | °C -15 ... +55                                              |
| Ambient temperature storage   | °C -40 ... +80                                              |

|        |                   |                   |       |       |        |                       |        |        |        |      |      |       |       |
|--------|-------------------|-------------------|-------|-------|--------|-----------------------|--------|--------|--------|------|------|-------|-------|
| Ratios | 41 <sup>2/3</sup> | 83 <sup>1/3</sup> | 100   | 125   | 150    | 166 <sup>2/3</sup>    | 200    | 250    | 300    | 500  | 600  | 750   | 900   |
|        | 1000              | 1200              | 1500  | 1800  | 2000   | 2500                  | 3000   | 3750   | 5000   | 6000 | 7500 | 12000 | 15000 |
|        | 18000             | 30000             | 36000 | 60000 | 120000 | 266666 <sup>2/3</sup> | 288000 | 320000 | 345600 |      |      |       |       |

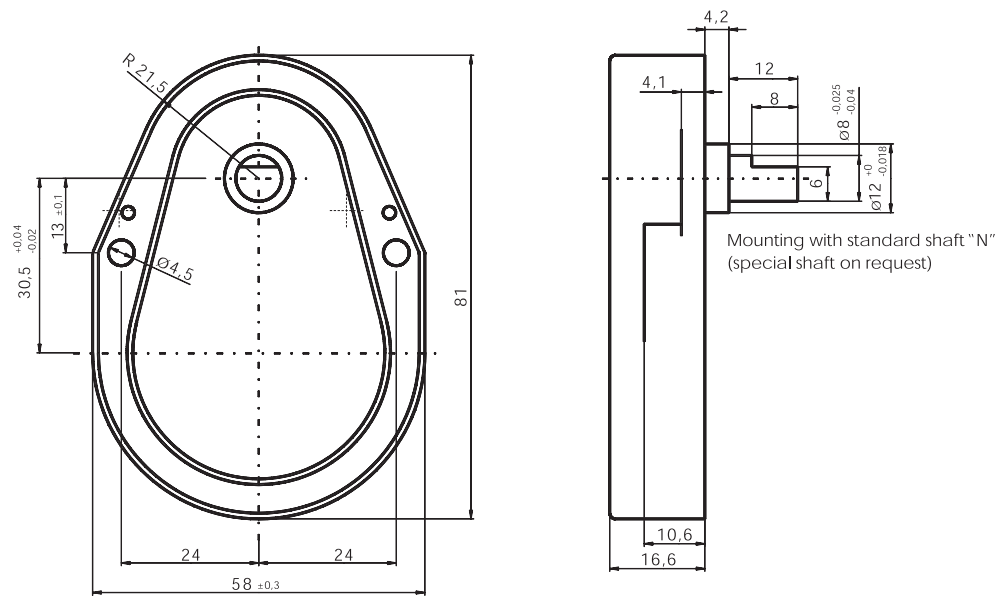
## Order Reference

|                 |                                                                                                                                                  |     |     |   |      |   |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|---|------|---|
| Type            | Gearbox                                                                                                                                          | UGB | 100 | N | 5cNm | N |
| Ratio           | 100                                                                                                                                              |     |     |   |      |   |
| Slipping clutch | N Without slipping clutch<br>ER One-way slipping clutch, clockwise<br>EL One-way slipping clutch, counter clockwise<br>Z Two-way slipping clutch |     |     |   |      |   |
| Slipping torque | 5 cNm                                                                                                                                            |     |     |   |      |   |
| Shaft end       | N Ø 8 x 12, other on request                                                                                                                     |     |     |   |      |   |

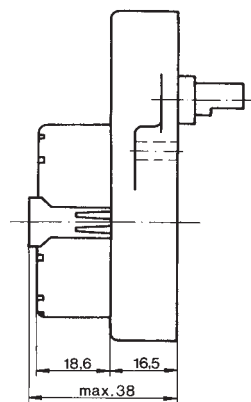
All specifications are representative only and maybe subject to variation. For confirmation of values, please contact Johnson Electric.  
Please also read "Saia Motors Important Notes" on catalog or at [www.johnsonelectric.com/SaiaMotorsNotes](http://www.johnsonelectric.com/SaiaMotorsNotes)



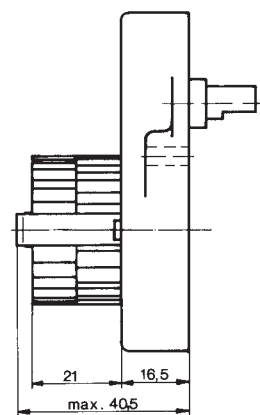
## Dimensions



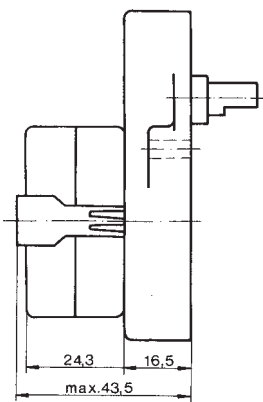
UDS 1..B



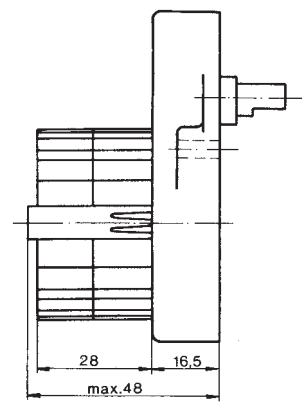
UBR 1/UBR 2..B



UDR 1..B



UFM 1/UFU 1/UFR 1..B



## Slipping clutches

|                              | max. torque available at output shaft (cNm) | free wheel-/clutch torque (cNm)                            |
|------------------------------|---------------------------------------------|------------------------------------------------------------|
| Roller-type free wheel       |                                             |                                                            |
| Single-way slipping clutches | 150                                         | 4 ... 50 counter clockwise or clockwise direction possible |
| Two-way slipping clutches    | 40 ... 70                                   | 60 ... 175                                                 |

## Torque / ratio / life graph

