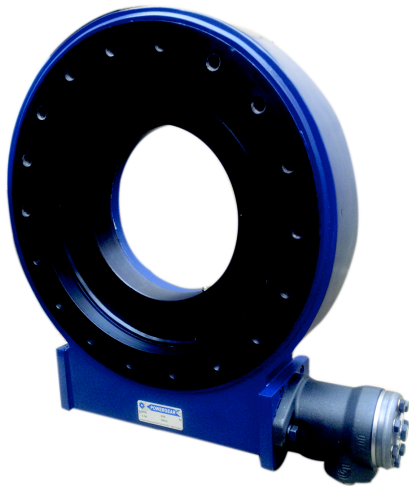


**POWERGEAR™****INVOLUTE POWERGEAR PVT. LTD.****(FORMERLY INVOLUTE TOOLING CORPORATION)**

ISO 9001-2008 Certified Systems

**Manufacturers of Drives and Transmissions**

## Worm Drive Slewing Rings



Worm Drive Slewing Rings are compact units, which consist of a slewing ring worm gear, worm and housing.

The worm drive slewing rings provide an economical and compact solution with low maintenance costs.

The unit offers high output torque with radial and axial load carrying capacity suitable for slow rotation with continuous or cyclical movements.

We offer these drive units in **4 sizes** with torque ratings of **1,500 to 15,000 Nm**.

The worm is hardened and ground. The housing is available in **open or enclosed gearing** as per customer specifications. The slewing ring raceways are hardened.

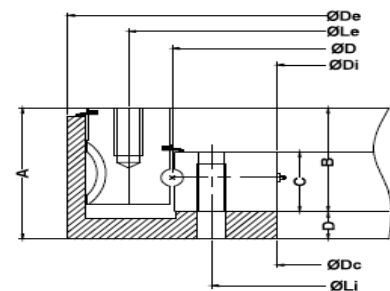
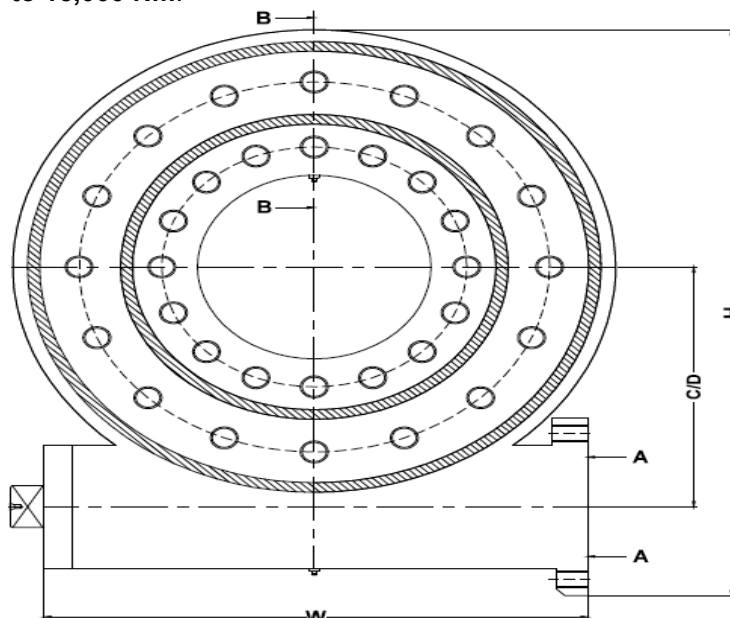
The unit is available with **mounting flanges for hydraulic motors**. **Adaptors are available for electric motors**.

**Applications:** The worm drives are used in truck cranes, oil tool equipment, fixture tables, marine cranes, tire handlers, solar panel rotation, fork lifts, boom trucks, man-lifts and many other applications.

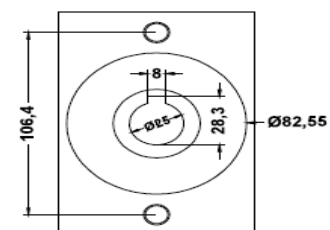
**Customization:** Modifications to ratio, hole dimensions of slewing ring worm gear, material of construction, motor mount positioning, material hardening according to customer specifications, adaptors for encoders.

The slew drives are filled with grease upon delivery. To warrant trouble-free operation of the slew drive, regular re-greasing is necessary.

| Model | Ratio | Nominal Torque (Nm) | Maximum Torque (Nm) |
|-------|-------|---------------------|---------------------|
| WA    | 64:1  | 1300                | 2000                |
| WB    | 60:1  | 4795                | 9300                |
| WC    | 85:1  | 8175                | 18275               |
| WD    | 103:1 | 10050               | 20000               |



VIEW B-B



VIEW A-A

| Model | Dimensional Data |     |      |     |        |     |       |     |      |      |      | Ratio | Bolt Data |    |       |    |
|-------|------------------|-----|------|-----|--------|-----|-------|-----|------|------|------|-------|-----------|----|-------|----|
|       | φD               | φDe | φDi  | φDc | C/D    | H   | W     | A   | B    | C    | D    |       | φLe       | Ne | φLi   | Ni |
| WA    | 142              | 213 | 69.5 | 72  | 120.65 | 269 | 215.5 | 67  | 41.6 | 36.3 | 25.4 | 64:1  | 172       | 10 | 95.25 | 12 |
| WB    | 222.5            | 346 | 135  | 134 | 175    | 413 | 312   | 86  | 66   | 44   | 20   | 60:1  | 270       | 16 | 175   | 16 |
| WC    | 340              | 460 | 221  | 220 | 237.6  | 532 | 343   | 96  | 76   | 44   | 20   | 85:1  | 390       | 18 | 295   | 24 |
| WD    | 420              | 552 | 305  | 300 | 282.5  | 624 | 390   | 101 | 83   | 51   | 18   | 103:1 | 479       | 20 | 365   | 20 |

\*All Dimensions in mm / \*Dimensions are subject to Change

\*Load Charts and Drawings Available on Demand

\*Larger Sizes Available on Request

Office: 13, Jor Bagh, New Delhi - 110003, India, Tel: +91 (011) 24621453

Works I: Plot 65, Sec. 27C, Faridabad - 121003, India, Tel: +91 (0129) 4279001, Fax: +91 (0129) 4279009

Works II: Plot 69, Sec. 27A, Faridabad - 121003, India, Tel: +91 (0129) 4015951

Email: info@involutetools.com URL: www.involutetools.com / www.gears-reducers.com / www.pouligear.fr