



INVOLUTE TOOLING CORPORATION

Manufacturers of Drives and Transmissions

Worm Drive Slewing Rings



Worm drive slewing ring is a compact unit, which consists of a slewing ring worm gear, worm drive 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.

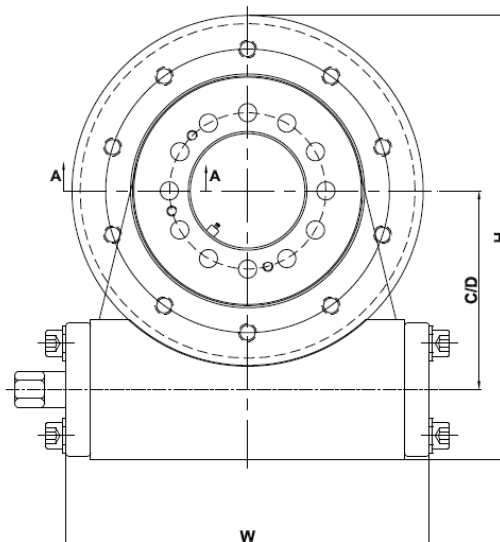
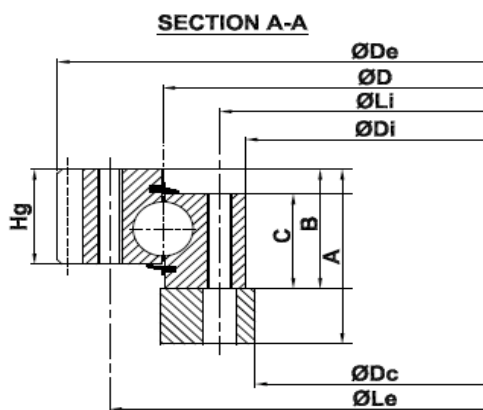
The unit is available with mounting flanges for electric or hydraulic motors.

Applications: Worm drive slewing rings are used in truck cranes, oil tool equipment, fixture tables, marine cranes, tire handlers, solar panel rotation etc.

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

Multi row designs are available from diameter of 200 mm to 750 mm with various types and sizes of mounting holes.

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



Model	Dimensional Data											Ratio	Bolt Data			
	ϕD	ϕD_e	ϕD_i	ϕD_c	C/D	H	W	Hg	A	B	C		ϕL_e	N _e	ϕL_i	N _i
WA	142	213	69.5	72	120.65	269	215.5	19	67	41.6	36.3	64:1	172	10	95.25	12
WB	222.5	316.6	145	134	177.54	404.6	310	44	77	50	44	60:1	270	16	175	16
WC	342.9	437.3	265	258	237.6	526	341	44	80	50	44	85:1	390	18	295	24
WD	422.2	527.8	305	300	282.8	617	388	51	91	60	51	103:1	479	20	365	20

*All Dimensions in mm
*Dimensions are subject to change