



# INVOLUTE TOOLING CORPORATION

Manufacturers of Drives and Transmissions

## Planetary Gearboxes

The planetary gearboxes are replacing traditional gearboxes due to their compact size, high transmissible power and increased mechanical efficiency.

They are very versatile and are an ideal choice for severe duty applications with high shock and impact loads along with several options for mounting, inputs – outputs, gear layout, and motor interface.

We offer these gearboxes in **7 standard sizes** with a maximum diameter of 800 mm. Single, Double, Triple, Quad stages are available with a wide range of ratios and torque ratings of upto **100,000 Nm**.

The assembly has hardened and ground gears with heavy-duty bearings for load transmission in a sturdy cast iron body.

**Input/Output:** Splined or Keyed Solid Shafts  
Splined or Keyed Hollow Shafts

**Mounting:** These gearboxes allow direct flange or base mounting options.

**Input Flanges:** IEC or Hydraulic Motor Flanges.

**Output Flanges:** Standard IEC Mounting Flanges.



### Benefits:

- Durable & Energy Efficient
- Modular Design & Compact Size
- Wide Range of Ratios & Output Torques

**Customization:** Due to their modular nature our planetary gearboxes can be manufactured according to the requirements of the customers with suitable for male – female inputs and male – female outputs, ratios, mounting configurations.

**Applications:** Slewing drives, counterflow mixer drives, conveyors, geared motor drives, wind turbines, mobile machinery and equipment for the mining, quarrying and steel industries.

Model – 0	Torque – 1,000 Nm	
	Ratio	Power Rating (kW)
Single Stage	7:1	10
Double Stage	50:1	1.7
Triple Stage	300:1	0.24
Quad Stage	2500:1	0.04
Centre Height from Base Mount		100 mm

Model – 3	Torque – 2,500 Nm	
	Ratio	Power Rating (kW)
Single Stage	7:1	29
Double Stage	50:1	4
Triple Stage	300:1	0.7
Quad Stage	2500:1	0.15
Centre Height from Base Mount		160 mm

Model – 7	Torque – 12,500 Nm	
	Ratio	Power Rating (kW)
Single Stage	6:1	100
Double Stage	50:1	25
Triple Stage	300:1	4
Quad Stage	2500:1	1
Centre Height from Base Mount		200 mm

Model – 1	Torque – 1,700 Nm	
	Ratio	Power Rating (kW)
Single Stage	7:1	18
Double Stage	50:1	3.5
Triple Stage	300:1	0.45
Quad Stage	2500:1	0.07
Centre Height from Base Mount		132 mm

Model – 5	Torque – 5,000 Nm	
	Ratio	Power Rating (kW)
Single Stage	7:1	50
Double Stage	50:1	8.9
Triple Stage	300:1	1.3
Quad Stage	2500:1	0.25
Centre Height from Base Mount		160 mm

Model – 9	Torque – 18,000 Nm	
	Ratio	Power Rating (kW)
Single Stage	6:1	125
Double Stage	50:1	40
Triple Stage	300:1	6
Quad Stage	2500:1	1.6
Centre Height from Base Mount		225 mm

Model – 11	Torque – 40,000 Nm	
	Ratio	Power Rating (kW)
Double Stage	14:1	100
Double Stage	50:1	60
Triple Stage	300:1	14
Centre Height from Base Mount		280 mm

\*All dimensions in mm / Dimensions are subject to change

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