



Excellence in Every Experience

Have your work done here and You'll never go any where else again.

Experienced over 12 Years in the field of Gears and Gearboxes, team **Vidhya Trading** can handle Gearbox of any size, ably supported by strong Engineering, Design and state-of-the-art manufacturing facility. **Vidhya Trading** is your natural partners of choice to provide a quick, end to end solution for your servicing needs.

Vidhya Trading works understands your pain while your machine is suffering a major breakdown. No more you shall be worrying about shipping the gear box long distances.

A **Vidhya Trading** workshop may be a few kms away from your works with fully equipped facility to handle your requirement. Further, an experienced team of Engineers are also available round the clock to take care of on-site requirements and may be only a phone call away.



**BREAK DOWNS WON'T
BREAK YOU DOWN ANYMORE**



Back to New



On site Servicing



**Design & Development
of Spares**

**Authorized Gearbox service station for repairing,
Design & Development of spares.**

Gearbox Services

Service Department.

- ⊙ We have supplied gearboxes over a period of 12 years to multi industrial segments like steel, Cement, Power Mining, Sugar, Rubber, Paper Chemical, Off highway Vehicles, Wind Mill, Railways and Defense for varying applications like Crane, Conveyor, Mill, Steel Rolling, Agitator, Air pre heater, Pulper, Cooling tower, Mixer, and special applications like multi speed and multi output.
- ⊙ We have full-fledged and experienced service team, spread Vadodara, Surat, Bharuch, Ankleshwer, Rajkot, and Kutch-Bhuj.



Supply of spares and Refurbishment of any make gear box

- ⊙ We Develop spares and provide service to any make of gear boxes through faster processing to help customers reduce the downtime.
- ⊙ We also undertake Gearbox refurbishment jobs for any make Gearboxes. We use highest quality of raw materials and exercise strict process controls supported by world class manufacturing facilities to ensure reliability and longer life.

Re-Engineering jobs for one to one replacement

- ⊙ With our strong and experienced team of over 10 engineers, we can re-engineer and make a similar gearbox with better life cycle and performance, also according to the application needs we can design a completely new gearbox and supply. We can develop one to one high performance gear boxes at competitive prices ensuring reduced cost of ownership.

Re-Engineering for modernization and improving power density.

- ⊙ Our design and service experts can study the condition of gearbox at customer end and suggest improvements and Re-Engineer the gear box for improved power density without changing basic mounting dimensions,. Help in getting better productivity.

Onsite health checks, AMC and condition monitoring

- ⊙ Our team of service engineers can conduct onsite health checks and condition-monitoring and implement the systems to avoid un-expected break downs.
- ⊙ We also undertake Annual Maintenance Contract which includes periodic condition monitoring, recording, reporting as well as giving solutions to avoid expensive, unexpected and forced shutdown due to gearbox failure.

Advantage of Reggiana Planetary Gearbox

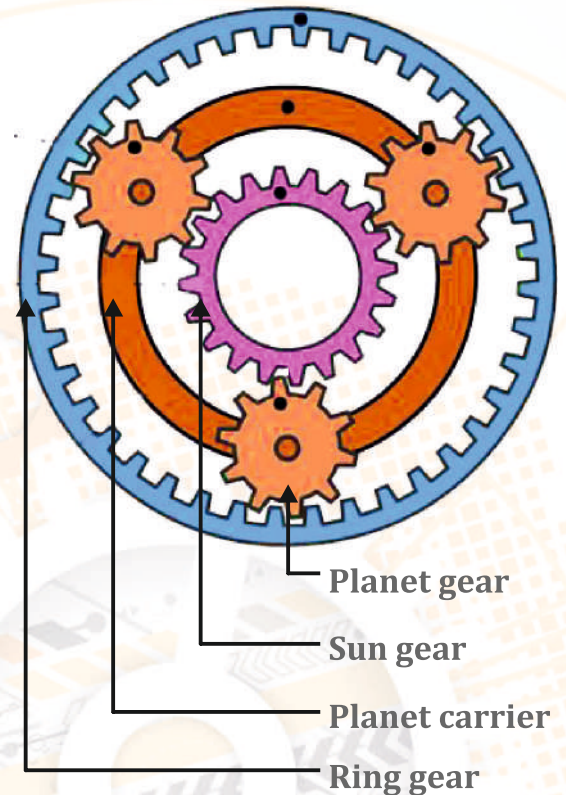
- High reduction ratio in small size (Compact)
- High torque transmission in small size
- High radial loads on output shaft
- Changing of ratio in same gearbox
- 100% European product with European gear steel
- Stock available in India

Planetary Gears - Movement Examples

By clamping or releasing some of these revolving gears, a combination of different gear ratios may be produced on the output shaft.

Typical examples:

- ⊙ **Ring gear clamped** - sun gear and planet carrier both rotate in the same direction (e.g. clockwise).
- ⊙ **Sun gear clamped** - planet carrier and ring gear both rotate in the same direction (e.g. clockwise).
- ⊙ **Planet carrier clamped** - sun gear rotates in one direction (e.g. clockwise), the ring gear rotates in the other direction (e.g. counter-clockwise).



The sun pinion transmits its motion to the satellites. The Satellites then turn inside the ring gear which is static. As consequence the satellite carrier rotates. The motion of the carrier is transmitted to an output shaft or to another reduction group

High Reduction Ratios

Given the same number of teeth Z_1 and Z_2 the planetary gear offers a higher ratio than the parallel shaft gear.

The reduction obtained is determined by the relation between the number of teeth on the sun pinion (Z_1) and the number of teeth on the ring gear (Z_2). The Ratio can be calculated using the shown formula.

$$i = \frac{Z_2}{Z_1} + 1$$

$$i = 6$$

PLANETARY

If For
Example

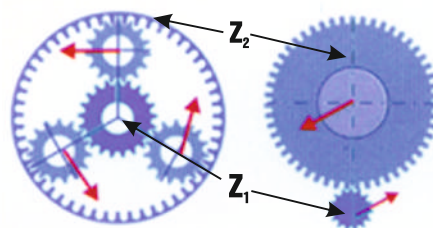
$$Z_1 = 12$$

$$Z_2 = 60$$

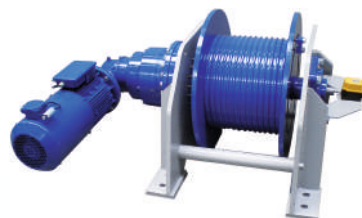
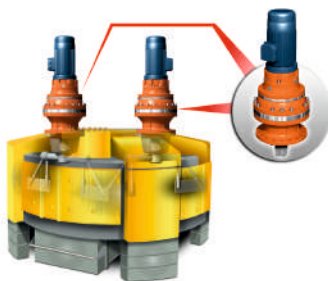
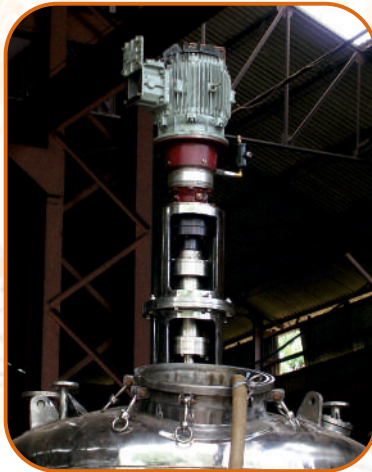
$$I = \frac{Z_2}{Z_1}$$

$$i = 5$$

HELICAL



Gearbox



Standard & Catalogue Product

Worm Plus Gear Box :

Centre Distance : 1.125" to 17"
Ratio : 5 : 1 to 4900 : 1
Type : Adaptable, Underdriven,
Overdriven, Vertical Hollow
Shaft & Double Reduction

Helical Geared Motor :

Range : 12 Sizes
Power : Upto 90 KW
Mounting : Foot & Flange
Input Shaft : Hollow and Solid
Output Shaft : Hollow and Solid

Elite Bevel Helical Gear Box:

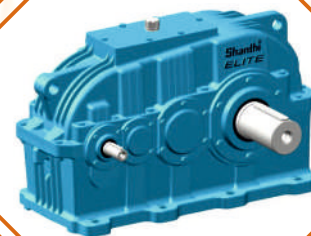
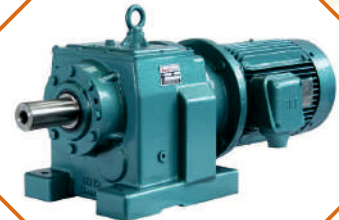
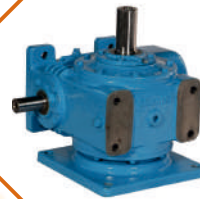
Ratio : 5:1 to 630:1
Range : Centre Distance 2, 3, 4 Stage
upto 800 mm at Final Stage
Type : Solid / Hollow Output Shaft
Colling : Self, Fan or Forced

Elite Parellel Helical Gear Box :

Ratio : 1.125 to 630:1
Range : Centre Distance 2, 3, 4 Stage
Upto 800 mm at Final Stage
Ratio : Upto 630:1
Colling : Self, Fan or Forced

Extruder Gear Box:

Range : Upto 360 mm final Stage Center
Distance
Ratio : Upto 22.4:1
Thrust Bearing : Upto 29452 E
Type : Helical with built in Thrust
Bearing
Mounting : Horizontal / Vertical



Custom Built Gears



Pharma Company

Chemical Company

Steel Company

Textile Company

Sugar Company

Cement Company

Paper Company

Oil Company



Excellence in Every Experience

Office : 42, Brushellz Industrial Park Opp-GSFC LTD., Nr.
Toyota showroom, Dashrath, Vadodara-391740

Email : vidhyatrad@rediffmail.com, kunal@steco.in

Website : www.vidhyatrading.in

Contact for

Sales : +91 9512-023-454

Service : +91 9512-023-453

Tech. : +91 9662-534-563

Authorised Channel Partner

Shanthi Gears

Shanthi REBUILD

AA REGGIANA
RIDUTTORI

radicon
POWERBUILD

HAVELLS