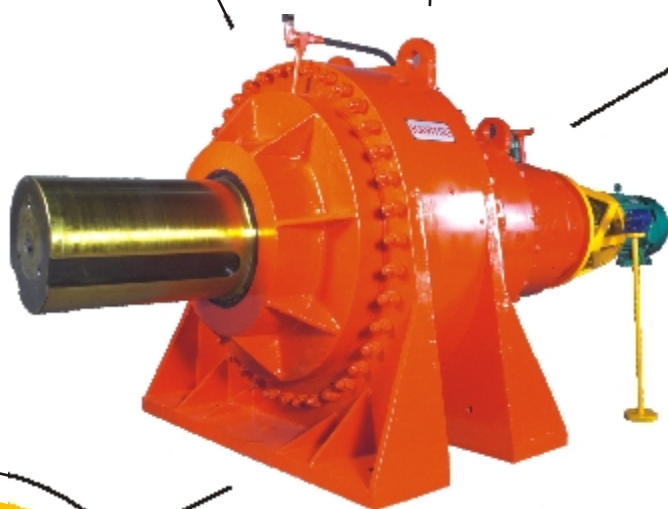
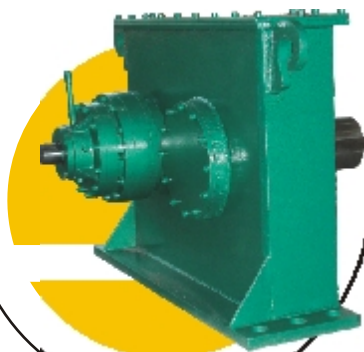


KAVITSU PRODUCTS



KAVITSU GROUP OF
INDUSTRIES



KAVITSU
Excellence in Gear Technology



KAVITSU PLANETARY GEARBOXES

PLANETARY GEAR BOXES are now globally appreciated. We are proud to say that we are one of the leading manufacturers of this product. Wherever speed reduction is required, gearboxes are the end solution. Planetary gear boxes are compact and efficient and can be used with much versatility. We have manufactured over 1 lac gearboxes upto capacity of 2,50,000 Nm in last 15 years. A long list of satisfied customers proves our quality and capability. The list is endless and you will be one of it.

APPLICATIONS

- STEEL PLANTS
- HOIST DRIVES
- CONVEYORS
- PAPER INDUSTRIES
- MACHINE TOOLS
- CEMENT PLANTS
- FOOD INDUSTRIES
- SUGAR INDUSTRIES
- CHEMICAL MACHINERIES
- TEXTILE MACHINERIES
- PRINTING MACHINERIES
- WATER TREATMENT PLANTS
- LPG BOTTLING PLANTS
- WIND MILLS
- MATERIAL HANDLING EQUIPMENTS



CAPACITY (TARQUE RATINGS) 5 Nm to 2500000 Nm

RATIO			
SINGLE STAGE	3	to	6
DOUBLE STAGE	10	to	45
TRIPLE STAGE	50	to	290
QUADRUPLE STAGE	290	to	1700
MULTI STAGE	48000 MAXIMUM ACHIEVED IN 7 STAGES		

INPUT CAPACITY IN POWER FRACTIONAL KW TO 1250 KW



KAVITSU PLANETARY GEARED MOTORS

PLANETARY GEARED MOTOR is a new concept much appreciated for industrial applications. A vast range of 0.18 KW to 15 KW super imposes the presently available Helical Geared Motor concept. A totally new concept gives an advantage of isolating electric and mechanical problem which proved Planetary Design to be most reliable. Manufactured in a state of art facility offers you a quality product.

APPLICATIONS

- STEEL PLANTS
- CONVEYORS
- PAPER INDUSTRIES
- MACHINE TOOLS
- CEMENT PLANTS
- FOOD INDUSTRIES
- SUGAR INDUSTRIES
- CHEMICAL MACHINERIES
- TEXTILE MACHINERIES
- STONE PROCESSING PLANTS
- MATERIAL HANDLING EQUIPMENTS

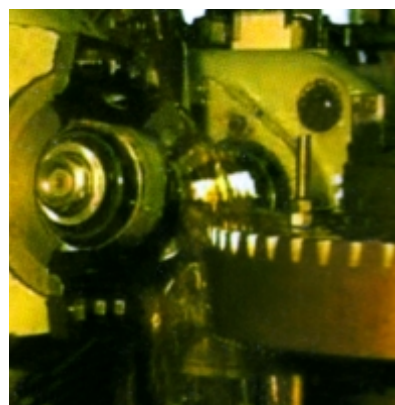


CAPACITY (TARQUE RATINGS) 5 Nm to 250000 Nm

RATIO

SINGLE STAGE	3	to	6
DOUBLE STAGE	10	to	45
TRIPLE STAGE	50	to	290
QUADRUPLE STAGE	290	to	1700
MULTI STAGE	48000 MAXIMUM ACHIEVED IN 7 STAGES		

INPUT CAPACITY IN POWER 0.18 KW TO 15 KW



KAVITSU PLANETARY WINCHES

KAVITSU TRANSMISSIONS PVT. LIMITED the leading manufacturer of PLANETARY SPEED REDUCTION GEARBOXES in India, introduces total range of hydraulically powered and motorized WINCHES for lifting applications. These WINCHES are manufactured with sophisticated plant and machinery. The Company assures trouble free operations. We have already supplied around 500 winches in the Indian market as per specifications required by the customers.

APPLICATIONS

- MOBILE CRANES
- TOWER CRANES
- SHIPBOARD CRANES
- CONSTRUCTION CRANES
- CONTAINER HANDLING CRANES
- LOADING AND CARGO HANDLING



- ◆ Easy to mount & maintain.
- ◆ Rope pressure roller (optional).
- ◆ Follower type rope guide (optional).
- ◆ Hydraulically operated brake (optional).
- ◆ Provision for limit switch mounting (optional).
- ◆ Hollow input to suit hydraulic or electric motor mounting.

LINE PUL	250 Kg	TO	1500 Kg
SPEED	CUSTOMER'S REQUIREMENTS		
INPUT TYPE	ELECTRIC BRAKE MOTOR OR HYDRAULIC BRAKE		
MOUNTING	FOOT (TOTAL INTACT SET)		

KAVITSU TORQUE LIMITER

KAVITSU TORQUE LIMITER (an overload spl. Safety device) represents a significant technical success in mechanical power transmission system.

KAVITSU has been manufacturing and supplying Torque Limiters for last 15 years. More than 5000 torque limiters are working with different applications.

KAVITSU TORQUE LIMITER provides accurate reliable overload protection for all types of machineries and equipments with thousands of different applications. KAVITSU Torque Limiters have automatic re-engagement and an unique method for setting the overload torque which makes adjustment both accurate and easy.

KAVITSU Torque Limiters having torque capacity upto maximum 5,500 Nm with the widest variety of mounting arrangements.

ADVANTAGES

- ◆ Helps to prevent damage to person, machinery & equipment, making equipments safer and more reliable.
- ◆ Repairs and down times are minimized. Utility and productivity are therefore increased.
- ◆ Disengages immediately in case of an temporary overload and disconnects input and output. After removing the load, clutch automatically returns to its initial state & again ready for use.
- ◆ Even under extreme conditions a high disengaging torque is provided (+5%).

APPLICATIONS

- ◆ KAVITSU Torque Limiters can be used as flanged coupling with or without mounting to accommodate chain sprockets, gears, toothed or V-belt pulleys.
- ◆ These also connect co-axially arranged shafts to a flange, torsionally rigid or torsionally flexible coupling.
- ◆ KAVITSU Torque Limiters are used in almost all fields of mechanical engineering e. g. Machine Tools, Agitators, Conveyors, Foundries, Rolling Mills, Mining Industries, SPM Machines, Crushers, Construction Machinery, Industrial Furnaces etc.
- ◆ It is advantageous to fit the Torque Limiter as close as to the trouble shoot or directly to the drive component which required protection.

KAVITSU MINI-PLANETARY GEAR BOX

Kavitsu – manufacturers of medium and heavy duty Planetary Gear Box for last 20 years, now offers a range of Mini-Planetary Gear Box and Geared Motor. Kavitsu offers these gearboxes with diameters of 25, 32, 45 mms, giving output torque up to 15 Nm. A variety of reduction ratios from 3.2 in single stage up to 625 in quadruplet stages are offered. With a proper R & D, the design is made to transfer required power and motion.

Kavitsu is having its well established set up with proper facility of manufacturing activity, supported by well trained force of quality control. It is having an automatic conveyORIZED assembly line to cope up the requirements of bulk quantity. Correct selection of material and surface treatment gives a long durable life. The geared motors are offered to suit 12V & 24V DC input.



KAVITSU SHAFT MOUNTED GEARBOXES

KAVITSU Transmissions Pvt. Limited, introduces new series in Shaft Mounted Gearboxes to serve the various applications in industrial use. We supply trouble free & good quality product equivalent to import substitute to Indian market. We have developed shaft Mounted Gearboxes in round shape bodies for universal mounting to suit the requirement of application.

We supply the Shaft Mounted Gearboxes with hollow output shaft to avoid output couplings. Optionally, on request we supply the gearboxes with solid shaft also. Input shaft will be solid male shaft or hollow shaft to suit ISI standard B-5 flange mounting motors. Torque arm will be provided for mounting of gearbox. Hold back system can also be provided as an optional accessory.

All gears are helical ground gear to overcome the frictional losses & get the high efficiency.



KAVITSU SLEW RING BEARINGS

KAVITSU Transmissions Private Limited, offers a high performance SLEWING BEARINGS in a various designs of ball and roller types. In case of ball type design, we offer single row ball bearing slewing ring with four point contact and double row ball bearing slewing rings with double axis system. In case of roller bearing design, we offer three roller bearing slewing rings with axial & radial roller type. The variety range up to 3500 mms external diameter can be offered with either internal teeth or external teeth cut or without any teeth. The complete bearing is offered in pre-lubricated condition with grease nipples, high quality dust seals and standardized clamping bolt pattern. These bearings give a normal life of 30000 revolutions on load. The selection of type of rolling elements either ball or roller and the number of rows, is entirely based on an application and method of use, such as slewing over angle, operating cycle, oscillatory motion etc. Normally these bearings are used where a rotary motion is required without transmission of high radial load, rotation at slow speed and little rough application.

The major fields in which these slewing bearing rings are used are Wind Turntable, Mobile Crane, Excavator, Port Crane, Turn Dish Rotation in Steel Industry, Work platform and so on. Along with the slewing ring bearings we offer slewing gearboxes also. These are with pinion suitable to drive the slewing ring bearing. We can manufacture the custom built slewing bearing rings also.



KAVITSU TRANSMISSIONS PVT. LTD.

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KAVITSU

Excellence in Gear Technology