

CREEP DRIVES



Creep Drives

Cyclo Transmissions Ltd., a leading manufacture of Power Transmissions Products has great pleasure to introduct Planetary Creep Drives for over-head Cranes. This range of Creep Drives has been designed to give an optimum creep speed requirement of crane manufacturers in our country .

Technical Features

Creep Drives work on the Planetary principle. Creep Drive consists of Planetary Speed Reducer mounted on the two bearings for achieving creep speed, by clamping the body of the drive with shoe brake or by any means which application demands. Creep Drive can be mounted on the single base frame to avoid alignment problems.

Advantages

- Positive Creep Speed
- Accurate Creep Speed with full load and also light load or even no load.
- The Creep Speed is one hour continuous rated against the shorter time ratings of other method.

Creep Drives are free input and free output type as per dimensions given, we can supply braking system with the drive on customer's request.

Features

- Easy Installation
- Totally enclosed construction
- Speed reduction with Planetary drives
- Gears are made with high alloy steel
- Bearings are proportional
- Considerably higher efficiency
- Robust design
- Long working life
- Very high factor of safety
- Can be supplied with braking system

Maufacturing

Creep Drive is based on Planetary system. For creep speed requirement housing would be connected to base frame with the help of shoe brake and during regular operations of the crane shoe remains in open condition and Creep Drive acts as differential and Input Shaft remains stationary. This design consists of :

- Cast Iron Housing
- Deep Groove Ball Bearings
- High Carbon forged Output Shaft

- High Alloy Steel Transmission Parts
- Manufactured with Sophisticated Machinery

All above factors offer a quality product to the market with optimum torque rating with minimum weight

General

- Clean all surfaces adjacent to removable end covers to prevent any dirt entering the housing.
- During disassembly keep all related components in due sequence with the respective sub-assemblies for later reference.
- Remove any components that will interfere with disassembly or could be damaged during handling.

Commissioning

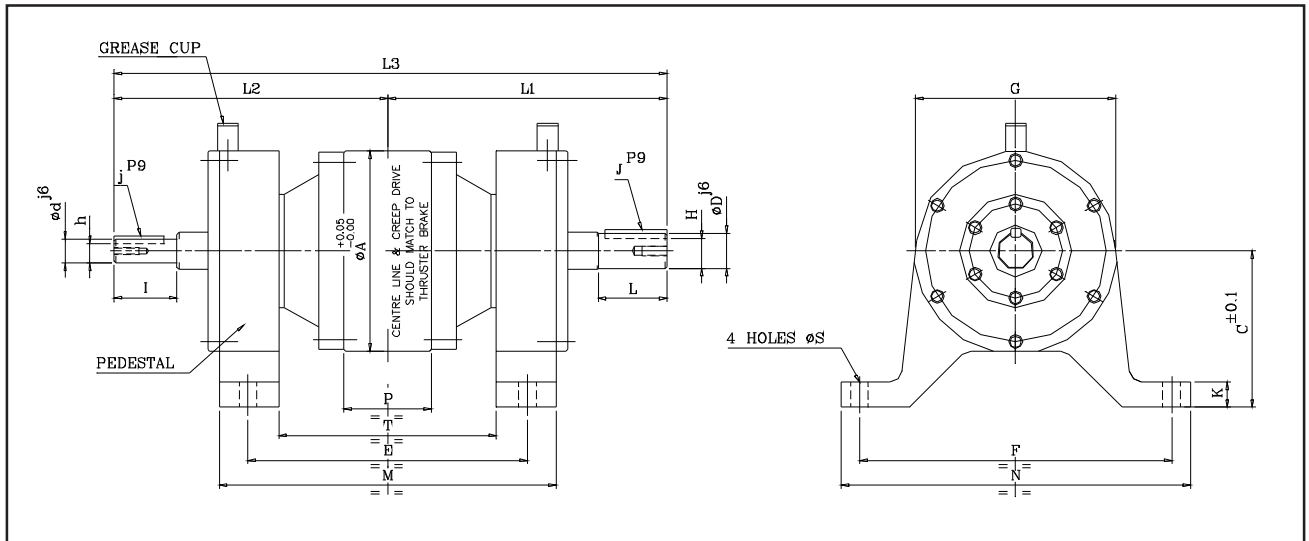
Before starting the Creep Drive unit check whether above instructions are observed, in particular that the Creep Drive unit is properly filled with the correct oil.

Dismantling

If it becomes necessary , for any reason, to dismantle the Creep Drive, you can follow the procedures outlined in these instructions. Only the careful adherence to correct setting aJignment and precautional procedures will ensure continued reliability and long service life. Before attempting the service of Creep Drive please refer to cross-section-assembly drawing contained in the manual. The following operations may be completed before any disassembly.

- Drain the oil .Disconnect couplings and remove motor.
- Remove Creep Drive from it's mounting and move to suitable work area preferably a workbench that allows access from all sides.
- Remove couplings half from slow speed shaft.

Dimension Sheet



Model	Output					Input					Mounting							Overall				
	j6 øD	H	P9 J	L	L1	j6 ød	h	P9 j	I	L2	C	E	F	M	N	G	K	øS	T	øA	P	L3
160CR	28	24	8	55	223	25	21	8	55	223	125	245	250	286	280	160	20	14	186	160	70	446
200CR	38	33	10	55	235	35	30	10	55	235	200	270	250	310	280	175	20	14	210	200	95	470
250CR	50	44.5	14	75	270	40	35	12	55	250	225	280	320	340	360	210	25	14	240	250	105	520
300CR	60	53	18	85	300	45	39.5	14	55	270	275	320	320	380	360	230	25	14	280	300	145	570

Technical Data

* Standard Reduciton Ratio 9.92

Input Power H.P.	Model	Rated Output Torque in KgM	Rated Input Torque in KgM	Reqd. Braking Torque in KgM
2.0	160CR	10	1.2	11
5.0	200CR	25	3.0	30
10	250CR	50	6.0	55
15	300CR	90	9.0	100

Lubrication

Creep Drives are shipped without lubricants and in packed condition, before switching on please fill the recommended lubricants through the filler hole up to shown level.

Recommended Lubricants

Brand	Oil
Indian Oil	SERVO MESH 150
Hindustan Petroleum	GERVIL EP 150

Oil Filling

Before starting up, the Creep Drive unit must be checked up for oil level. Oil used must be of recommended specifications. The lubricant selection table, lists a brand name gear oils recommended by oil companies. They are typical products and equivalent, non foaming oils of other manufacturers can be used. However we can not guarantee the suitability of any selected grade of oil. The selection of oils is governed by oil viscosity of the gear unit and applicable in ambient temp. from 00 to 50°C. Fill the oil through the filler hole. The static oil level must be checked from time to time, when the oil has cooled down, Specifications / Dimensions subject to change without prior notice.

Installation

The Creep Drive must be fitted with Ring Gear axis as horizontal, do not install at inclined or vertical axis position. The surfaces on which both the feet of Creep Drive are to be mounted should be flat and aligned. This is necessary to avoid distortion to housing and avoid damage to bearing.

Storage Precautions

If the Creep Drive is to be stored for a long time at the site where weather conditions are severe it is necessary that certain precautions are to be taken to safeguard Creep Drive. We recommend following storage precautions

1. Creep Drives must be stored in packed condition with polythene covers and silica gel intact on a raised flooring in a covered shed/ warehouse.
2. The Creep Drive should be stored in place where there is no excessive vibration, this would otherwise damage the bearings.
3. Creep Drive should not be kept near a kiln, furnace etc. where the atmospheric temperature is high.
4. The packed cases should be covered with tarpaulin to avoid entry of dust and water.
5. Fill the recommended oil in to the Creep Drive which is to be stored for a long time.

Product Range

- Track Drives
- Worm Drives
- Wheel Drives
- Planetary Drives
- Cycloidal Drives
- Slew Drives
- Torque Limiter
- Centrifuge Drives
- Differential Drives
- SMP / SMR Drives
- Pump Drives
- Elevator Drives
- Conveyor Drives
- Custom Built Drives
- Helical Geared Motor

For technical clarifications please contact us at



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