

MONORAIL TRAVELLING TROLLEY *"CLASSIC GOLD"*



OPERATING INSTRUCTION & MAINTENANCE MANUAL

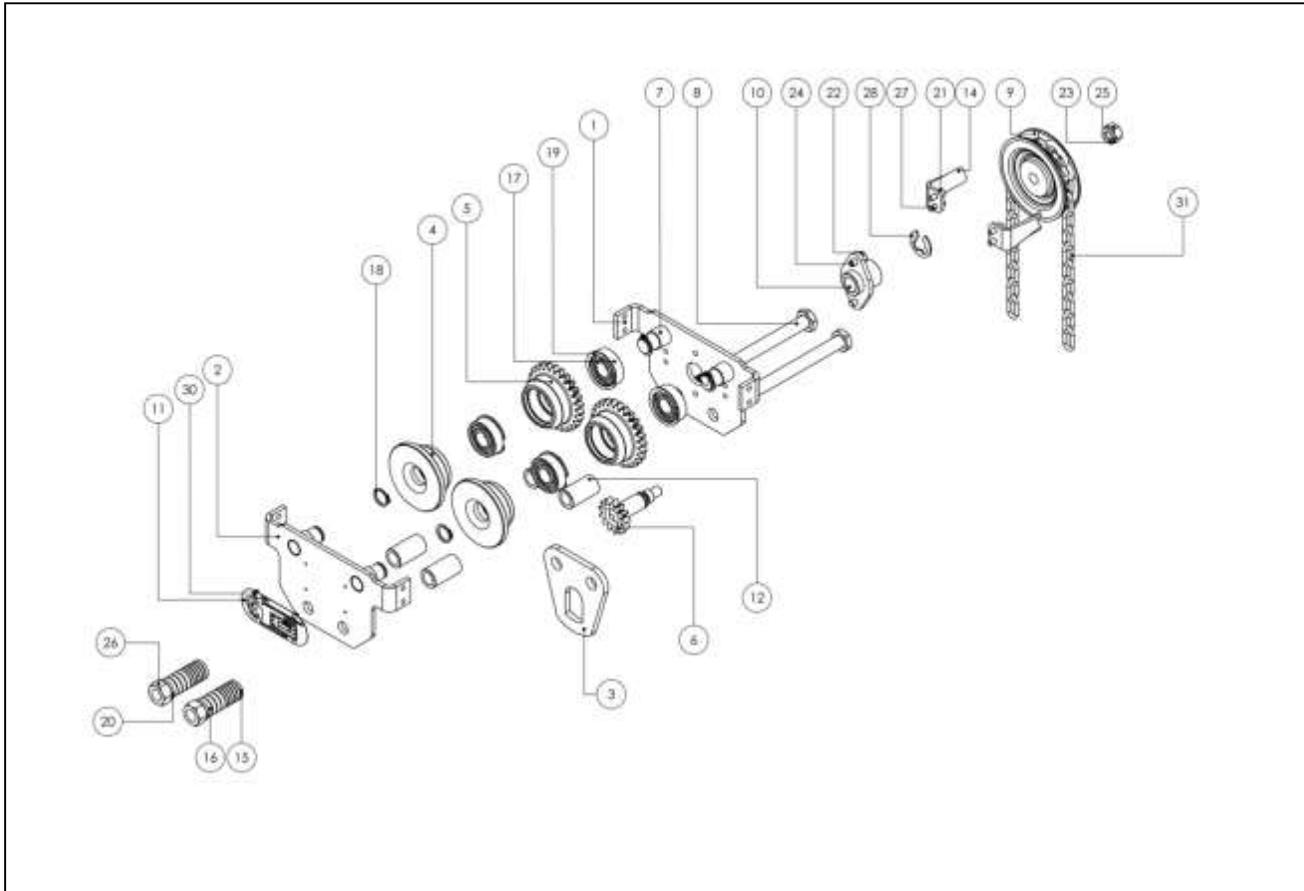
Registered Office : B-9, DSIIIDC Engineering Complex, Mangolpuri Industrial Area, Phase -1, New Delhi – 110083 Ph :- 011-46802215 / 8595649738 | Email id :- gopseas@gmail.com | CIN No. U74899DL1995PTC068694

Works 1 : F-76, Sector – 2, DSIIIDC Industrial Area, Bawana, New Delhi – 110041

Works 2 : Khewat No. 646 Khasra No.178, Beri Kultana Road, Sampla, Distt. Rohtak, Haryana – 124501

Let's make lifting smarter

PRODUCT STRUCTURE



BALLOON NO.	DESCRIPTION	BALLOON NO.	DESCRIPTION
1	Drive Plate	17	Ball Bearing
2	Idler Plate	18	External Circlip
3	Hook Mounting Plate	19	Internal Circlip
4	Plane Wheel	20	Spring Washer
5	Geared Wheel (G1)	21	Spring Washer
6	Pinion Shaft & Gear Assembly	22	Spring Washer
7	Wheel Pin	23	Spring Washer
8	Crank Stud & Nut Assembly	24	Hex Bolt
9	Hand Chain Wheel	25	Hex Nut
10	Pinion Gear Bush	26	Hex Nut
11	Name Plate	27	Allen Bolt
12	Crank Bush	28	E Type Circlip
14	Chain Guide Support	30	Rivet
15	Spacer 1	31	Hand Chain
16	Spacer 2		

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1.INTRODUCTION.

General information.

This manual provides information for the installation & maintenance of GBT & PPT series Manual Trolleys. Normally furnished with industrial Chain Pulley Block/Electric hoists.

Safety Codes.

Refer to hoist Operating & Maintenance instructions for guidelines and applicable standards for safe trolley and hoists operation.

Warranty.

Every trolley is thoroughly inspected and tested prior to shipment. This warranty does not apply where deterioration is caused by normal wear, abused, eccentric or side loading, overloading.

2.INSTALLATION.

Safety Notes.

Inspect trolley for any evidence for shipping damage or loose parts. Be sure that beam end stops are in place. Hand trolley was designed to travel on a beam and carry a load up to its rated capacity, The capacity indicated on the trolley (see nameplate) is the maximum safe working load which must not be exceeded.

Installation instruction.

All model, to 5 Tons GBT & PPT type. Measure the flange width of the beam, evenly distribute the two spacer sleeves and spacer washers on both sides of the load bar equal to the beam flange width plus 4mm. The clearance between the trolley wheel flange and the beam edge must be 2mm on each side when finally assembled. Secure both side plate and tighten both hex nuts tightly. Check operation of the trolley by rolling it along the beam with load. Make sure the trolley is properly adjusted to the beam, each wheel rolls freely and makes good contact with the flange of the beam and that the side plates are parallel.

3.OPERATION.

This section offers guidelines for the proper operation of the trolley with hand of electric hoist it is not intended to save as a rigging hand hook.

Safety Notes

- ❖ Inspect trolley for any sign of loose, broken or malfunction parts,
- ❖ Any malfunction trolley should be tagged as "out of order"
- ❖ Before operation, operator should be certain that all personnel are clear.
- ❖ Do not carry more than the rated load of the trolley.
- ❖ Do not leave a suspended load unattended.
- ❖ The operator should have a clear view of the load anytime is moving and should be sure that the load does not contact obstructions.
- ❖ Apart from the operating instructions and safety Act of each respective country. General accepted regulations for safe and professional work must be adhered to.

Handing the load.

- ❖ Align directly over the load, Avoid side pull or any action which causes trolley wheels to lift off one side of beam.
- ❖ Bring the hoist hook into engagement with the load and make sure it is well seated before proceeding to move the load.
- ❖ Proceed to lift the load to the height necessary to clear any objects over which the load must pass.
- ❖ Avoid letting load swing excessively while moving the trolley.
- ❖ Let the trolley coast to a stop instead.

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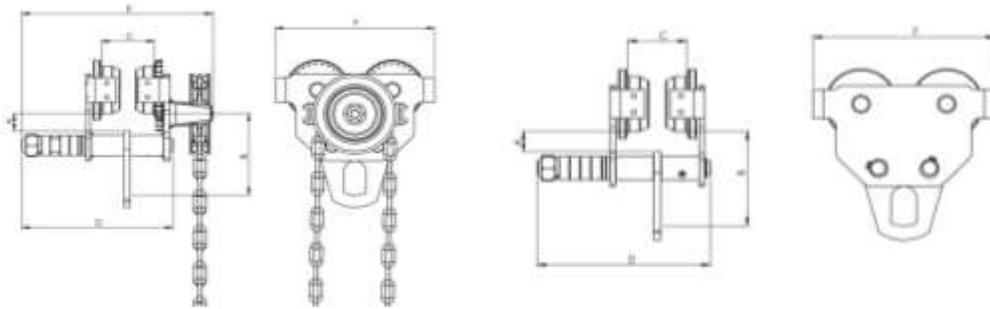
- ❖ Do not run the trolley into beam end stops of other trolleys on the beam.

4. Inspection / Maintenance.

The trolley should be inspected for damage, loose parts and excessive wheel wear at the same time as hoist inspection.

OPERATIONAL INSTRUCTION

- Measure the actual width of the runway beam.
- Assemble the required number of spacer washers equally to the inside of the trolley side plates so that the dimension between trolley wheel flanges is 6mm of 1/4 (Max) greater than the Runway Beam width. Assemble the remaining washers outside the Trolley.
- Side plate & fit Nuts to hanger pin. THERE MUST ALWAYS BE AT LEAST ONE WASHER ON THE INSIDE- THE OUTSIDE OF EACH TROLLEY SIDE PLATE. Slacken off the Hanger Pin Nuts & spread the Side Plates so that the wheels can be slip peed up over the Runway Beam. Screw the Nuts firmly against the Washers, than suspend a light load from the trolley to ensure that all four Wheels contact the Runway Beam. Screw the Nuts tightly against the Washers then secure with lockouts.



MONORAIL TRAVELLING TROLLEY								
	GEARED TYPE				PUSH PULL TYPE			
Model	GBT1	GBT2	GBT3	GBT5	PPT1	PPT2	PPT3	PPT5
Capacity (Ton)	1	2	3	5	1	2	3	5
I-Beam recommended (mm)	65-125	75-140	100-150	100-180	65-125	75-140	100-150	100-180
Dimension A (mm)	24	26	32	30	24	26	32	30
Dimension B (mm)	115	132	166	192	115	132	166	192
Dimension C (mm)	70	81	104	130	70	81	104	130
Dimension D (mm)	200	227	252	295	200	227	252	295
Dimension E (mm)	254	281	307	349	-	-	-	-
Dimension F (mm)	220	250	292	321	212	256	300	360
Net Weight (Kg)	11	16	26	38	9	13	20	38
Hand Chain (φ X Pitch) (mm)	5X25	5X25	5X25	5X25	5X25	5X25	5X25	5X25

Note :- Due To Continuous development and improvement specification listed above may change without notice.

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