



河北雄安盛蕴科技有限公司
HEBEI XIONGAN SHARE TECHNOLOGY CO., LTD

Series Geared/Plain Trolleys

OPERATING INSTRUCTIONS



The company has passed ISO9001 system certification

This product has passed CE certification system



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APPLICATION

The geared trolley is hand operated by pulling the hand-chain and the plain trolley by pushing the load lifted, running on the bottom flange of monorail. Attach the chain block under the trolley to form a trolley type chain block, they may be mounted on monorail overhead conveying system with straight trolley type chain block, they may be mounted on monorail overhead conveying system with straight wharves, docks, warehouse and engine room for installation of requirements as well as for conveyance of goods. It is especially advantageous for use at the places where no power supply is available and for maintenance and repair of equipments.

FEATURES

1. Safe in operation, minimum in maintenance.
2. Compact in construction and minimum dimension for installation. To meet the requirements in use, wheel distance between flanges can be easily adjusted according to the width of monorail.
3. As bearings are mounted on the wheel axle, the trolley are high efficiency in operation with small hand push/pull force.
4. 20 ton geared trolley consists of two sets of 10 ton geared trolleys connected by a special hanger pin.
5. Geared trolley is driven by pulling hand-chain (5) to actuate shaft (4), gear (2) and driving wheels (1), and run on I-beam. Plain trolley is driven by pushing a load lifted with it.
6. In order to meet the needs of fitting different widths of I-beams, wheel distance between flanges can be adjusted by placing the adjusting washers (11) on the inside or outside of the plates.

INSTALLATION

1. While installing, in the general, the number of the adjusting washers in each the inside of left and right plates should be equal. In order to meet the clearance F' between wheel flange and I-beam outside, the number of the washers in any the inside of the plates can allowed to increase or decrease one piece if necessary (see Fig.1 and Fig.2).
2. After the trolley is mounted on the I-beam, tighten up the nuts(12) in hanger pin (6), and suspend a light load to trial run. When wheels are perfect contact with I-beam configuration, then tighten up the lock nuts. Great attention should be given to tightening up the nuts each other.
3. After installing the geared trolley on-beam,(see Fig.1)the clearance "F" between rolling sleeve(9) and the bottom of I-beam should be adjusted by loosening the nut (14) and moving the axle (13) to reach the requirements listed in specifications, and then tighten up the nut (14).
4. 20 ton geared trolley is equipped with two sets of hand-wheel constructions which is usually installed in the different sides, if necessary, and installed in the same side.
5. After installing. Put the trolleys into trial operating under light load and 125% rated load to travel reciprocally in the full length of monorail. It can only be used when it is found perfect in testing.

FRECAUTION

1. Over-loading is strictly for bidden.
2. While lifting the load, passing or working under a lifting load is strictly for bidden.
3. Stop operating immediately in case the hand chain can not be pulled or the chain pull force exceeds that of normal operation. And inspection should be made to see if there is anything entangled with the load.
4. Do not pull the hand chain in the position oblique to the plane of the hand wheel as to prevent the chain from tangling.
5. Bearing,gear, and I-beam surface should be greased regularly and examine the bolts and nuts to make sure that they are tightened.

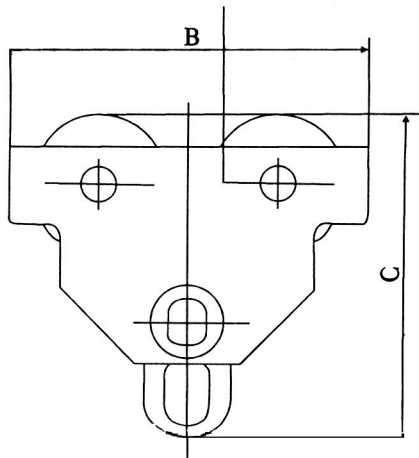
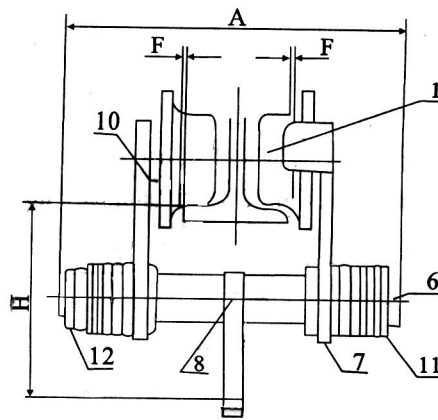


Fig1



PLAIN TROLLEY

Model		GCT1/2	GCT1	GCT2	GCT3	GCT5	GCT10	
Rated capacity Ton		1/2	1	2	3	5	10	
Test Load KN		7.4	14.7	29.4	44.1	61.25	122.5	
Min radius of curve M		0.9	1	1.1	1.3	1.4	1.7	
Dimension mm	A	172	218	244	250	294	343	
	B	186	220	254	293	322	389	
	C	176	226	235	320	376	460	
	H	104	138	160	194	238	237	
	F	3						
I beam recommended GB706-88	M	mm	64-102	74-130	88-146	94-154	100-180	122-203