

SHARPSHOOTER

TOOLS FOR SUCCESS

CM[®] SERIES 653[™] MODEL 653-A

The new CM 653A ratchet lever hoist is a relaunch of the 653 to fit in our new CM puller product portfolio alongside the CM Tornado 360. This redesign simplifies the complexity and amount of components and spare parts, simplifying customer maintenance needs. The same chain is used for both the CM 653-A and the CM Tornado 360.

DIFFERENCES AT A GLANCE:

- Shorter lever at the 1-1/2T
- More compact body / Less weight for all capacities
- New hand wheel for better ergonomics and tighter fit
- Chain guide made of stamped steel instead of rollers
- Hook and chain identical to Bandit and Tornado
- Designed by CM – Assembled by CM

MAIN DIFFERENCES:

- Hand wheel: Made of impact resistant polymer instead of machined casting. Reduced Weight, tight fit
- Brake Gap Limiter: Axial stop nut instead of rotational dog. Reduced complexity, easier setting of brake
- Break layout stays the same
- Loose break disc, flat ratchet disc w/o bushing, two pawls
- Position of free chaining spring stays
- Dimensions are different
- Chain guide stamped steel
- Stripper is similar
- Side plates are basic powder coated, not plated
- Lift wheel has plain bearings instead of roller bearings

3/4 TON	OLD	NEW	CHANGE
HAND FORCE	20KG / 45LBF	20,4KG / 45LBF	+2%
LEVER LENGTH	235MM / 9,25IN	260MM / 10,23 IN	-10%
MINIMUM HOOK DISTANCE	340MM / 13,4IN	325MM / 12,8IN	-5%
WEIGHT AT STANDARD LIFT (1,5M/5FT.)	7,2KG / 15LBS	6,2KG / 13,6LBS	-14%
CHAIN DIM	6X18MM	5,6X17,1MM	-
1-1/2 TON	OLD	NEW	CHANGE
HAND FORCE	35KG / 79LBF	29,3KG / 64LBF	-16%
LEVER LENGTH	330MM / 13 IN	260MM / 10,23 IN	-21%
MINIMUM HOOK DISTANCE	410MM / 14,8 IN	361MM/ 14,2IN	-12%
WEIGHT AT STANDARD LIFT (1,5M/5FT.)	12,5KG/27LBS	9,4KG/20,7LBS	-25%
CHAIN DIM	8X24MM	7,1X21MM	-
3 TON	OLD	NEW	CHANGE
HAND FORCE	40KG / 90LBF	41KG / 90,4LBF	+2%
LEVER LENGTH	381MM / 15 IN	370MM / 14,6 IN	-3%
MINIMUM HOOK DISTANCE	510MM / 18,7 IN	445MM/ 17,5IN	-13%
WEIGHT AT STANDARD LIFT (1,5M/5FT.)	21,5KG/45LBS	17,4KG/ 38,3LBS	-20%
CHAIN DIM	10X30MM	10X28MM	-



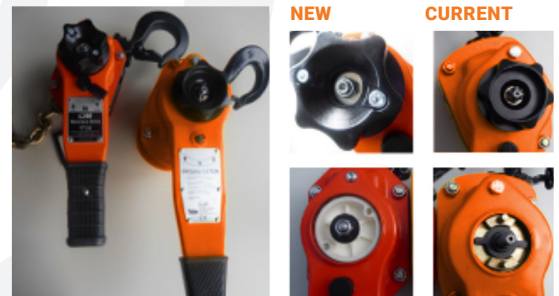
WHEN COMPARED TO CURRENT PRODUCT PORTFOLIO, THE CM 653-A BOASTS THE FOLLOWING ADVANTAGES:

The newly designed handle provides a safer, more comfortable grip. The industrial-grade plastic handle is secured from sliding.

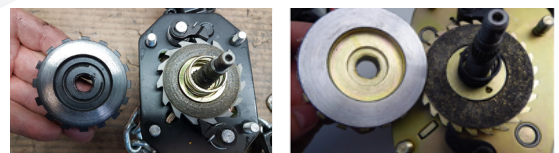
The chain guide is partially closed to protect the unit from environmental factors, ensuring smooth movement and preventing the load chain from twisting.

Designed for easy maintenance, bearing brushes are used in the side panels for 0.75 and 1.5 ton capacities with closed needle bearings for the 3 ton capacity.

New unit design is lightweight and compact featuring an impact resistant stamped steel frame.



New 653A compared to older model (right)



In the images to the below, you can see the hand wheel differences (top right) and simplified brake gap limiter (bottom). The new 653A is featured on the top right.