

### **PURPOSE**

Provide a brief summary of the seven features that the M3CB Mining Hoist has over and above the standard M3CB.

### **SCOPE**

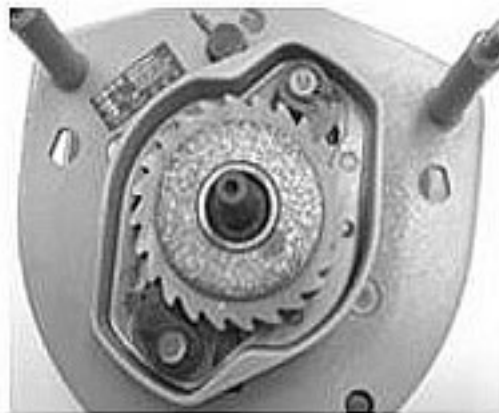
Includes the following capacities of the M3CB Mining Hoist:

- 1 Ton Single Fall
- 1½ Ton Single Fall
- 2 Ton Single Fall
- 3 Ton Single Fall
- 5 Ton Double Fall

### **FEATURES**

The M3CB Mining Hoist is the same as the standard M3CB except for the following features.

1. Double Pawl and Double Spring – The standard M3CB has a single pawl that is equipped with two springs. The M3CB Mining Hoist has two pawls, each of which is equipped with two springs. This provides increased protection against spring breakage, pawl breakage, and pawl shaft breakage.



***DOUBLE Pawl &  
DOUBLE Pawl Spring  
Mechanism***

### **GENERAL USE**

EDOC0159  
Rev. 0  
April 28,2000

2. Heavy Duty Hook Latch – The hook latch on the M3CB Mining Hoist is a different design from the hook latch on the standard M3CB. It is rugged to withstand severe working conditions. This results in a reduced “g” dimension of the hook – the table below gives the “g” dimensions for the hook on the M3CB Mining Hoist.



*Top / Bottom Hook with  
STRONG LATCH*

### HOOK DIMENSION “g”

Capacity (Tons)	g (in)	
	M3CB Mining	Std M3CB
1	0.98	1.14
1 1/2	1.26	1.34
2	1.34	1.42
3	1.54	1.67
5	1.77	1.83

### GENERAL USE

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3. Rugged Nameplate – The nameplate serves two purposes on the M3CB hoist.
- It displays important information such as the capacity and the serial number,
  - It covers an opening into the gear area of the hoist.

On the M3CB Mining Hoist the nameplate is a heavier construction to withstand severe working conditions. NOTE – the nameplate on the M3CB Mining Hoist is the Kito nameplate, it is not available with a Harrington nameplate.



4. Sealed Bearings – All bearings in the M3CB Mining Hoist are sealed to protect the bearings from contaminants and dust, thereby ensuring smooth operation in severe working conditions.

5. Acorn Nut – If the threads of the side plate studs become damaged, the entire Side Plate A must be replaced. The M3CB Mining Hoist is equipped with an acorn (or dome) nut on each of these studs protecting them from damage and preventing costly repairs.



6. CE Marking – The M3CB Mining Hoist is designed to meet strict European regulations. So it carries the CE mark on its nameplate. See the photo of the nameplate above.
7. 3 Ton Single Fall – The 3 Ton capacity M3CB Mining Hoist is a single fall hoist. The 3 Ton capacity of the standard M3CB Hoist is a double fall hoist. The single fall arrangement provides for easy handling.

END