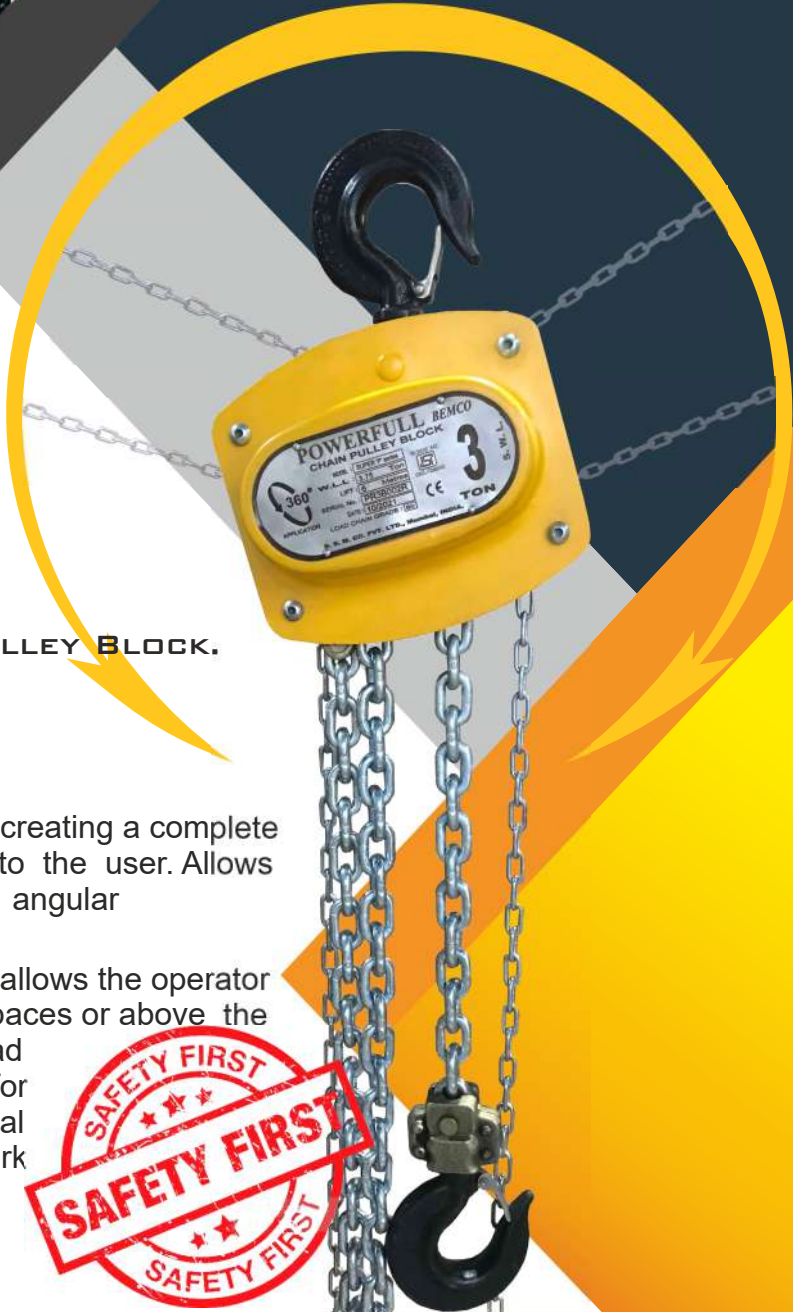




# 360° OLP



## POWERFULL BEMCO

SUPER 'P' SERIES 360° OLP CHAIN PULLEY BLOCK.  
(OVERLOAD PROTECTION)

### Safety First, Safety Always

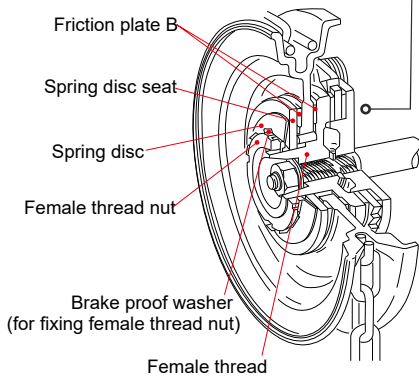
With more than 40 years of experience engineer creating a complete solution to lifting equipments with 100% safety to the user. Allows accident free operation. Gives a flexibility to use angular and horizontal pulling too.

The revolutionary 360 degree rotating hand guide allows the operator to work from virtually any position, in confined spaces or above the load. It can be operated from the side of the load which also makes it possible to use the hoist for horizontal pulling or tensioning. Due to the additional flexibility, the operator is no longer forced to work in the danger zone near the load.



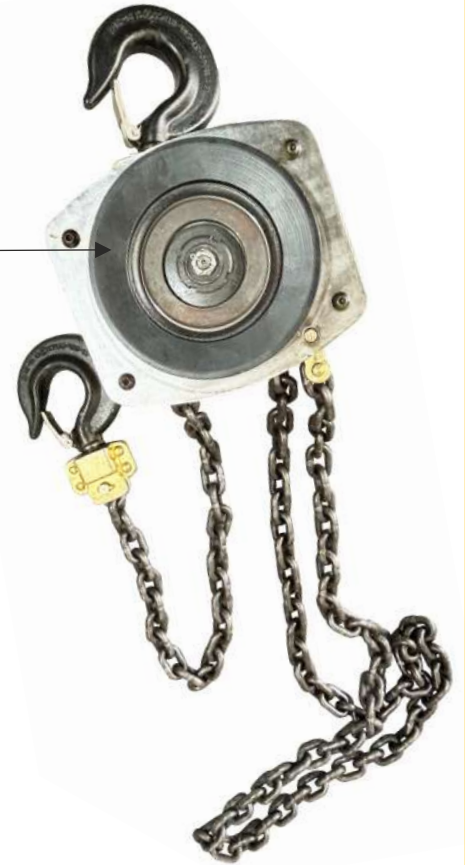
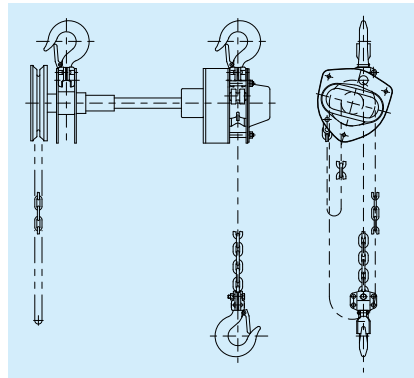
### Overload Protection Device (OLP)

The hoist overload protection feature protects the hoist from damage due to overloading. When an overload is applied to the hoist, the overload protection clutch device actuates to stop lifting.



### Hand Chain Wheel Shaft

When the work site condition necessitate operating a hoist at a distance, the extended hand chain wheel shaft provides added convenience. The standard length of the extended shaft is 1mm.



# POWERFULL BEMCO

## SUPER 'P' SERIES 360° OLP CHAIN PULLEY BLOCK. (OVERLOAD PROTECTION)

**POWERFULL BEMCO** Model 'P' series has been designed to perform in heavy duty industrial conditions. The range of product includes Manual Hoists, I-beam Trolleys, Mono-block chain pulley blocks, Low-headroom / ultra-low headroom chain pulley blocks (available in standard, spark proof, stainless-steel quality variants).

\*Capacity range is from 0.5 ton to 50 ton.

\*The CPB's design is compact and light weight and higher efficiency.

\*The model has optimum yet very strong Link chains and hooks are specially designed with large dimensions.

\*Powder Coated, strong & safe IS:15560 Hooks are drop forged, heat treated steel with Stainless Steel safety Latches.


\*Overload tested to 150% of safe working load (Working load limit) certificate with every block.


\*Anti-Corrosive, Powder Coated protective steel cover can easily be removed for inspection and maintenance. Wheel cover protects the chain pulley block from dust and rain.

\*Load Chain: Electric welded G80 alloy steel chain is heat treated for wear resistance and strength. Accurately and uniformly sized to sit properly in load sheaves.

\*Mono-blocks i.e. Chain Pulley Block Coupled Directly on I-Beam Travelling Trolley as Single Equipment.

\*Overload Protection / Load limiter and Kink free Hand chain feature option Chain pulley Block also available.

\*With  Mark and as per I.S : 3832 specifications.

\*With  Mark and as per BS EN: 13157:2004 + A1: 2009

\*Additional test certificate as per Factory Act in form 11 or IDLR T/C, available on request.



### RELIABLE and ROBUST Model-

Gears are designed for Heavy duty workload. Dry type brake mechanism provides excellent performance.

# POWERFULL BEMCO

Chain Pulley Blocks are manufactured in India and rests on the theory of highest efficiency and reliability.

The design has a duty cycle

of **M2 class**- as per

**IS: 3832**, which is far superior to all other chain pulley Blocks manufactured or imported in the country.

# Special features

# M2 class

## Double Pawl / Double spring for extra safety

\* Each Pawl has double springs in SS304 grade and there are 2 pawls instead of single pawl. It gives extra safety to the Chain Pulley Block, hence makes it extra reliable.

## Thick Steel Cover for Gears and Hand Chain wheel

Anti-Corrosive/ Powder Coated protective Thick steel cover can easily be removed for inspection and maintenance. Wheel cover protects the chain pulley block from dust and rain. Hand Chain guide attached to the wheel cover provides durability and smooth operation of a Hand Chain on a Hand Chain Wheel.

## Big size antifriction ball bearings ensures smooth function

\* Encapsulated / Big size antifriction ball bearings for smooth and increased mechanical efficiency and reduces manual effort.



## Big Size Load Sheaves reduces hand effort and faster lift of load

\* Deep cast load sheave pockets precisely fit the load chain. Load shafts are supported by pre-lubricated bearings for smooth operation.

## SS 304 grade Safety Latch on Hooks for durability

\*SS 304 grade material adds strength and durability of the safety latch, hence makes the CPB more secured

## Mechanical Brake system for better performance

\* Asbestos free Dry type brake mechanism provides excellent performance.



## Guide Mechanism allows smooth operation

\* Chain Guider shroud type allows smooth operation of load chain.

## Wear resistant and calibrated Load lifting Chains

\* Load Chain are Electric welded G80 alloy steel chain are heat treated for wear resistance and strength. Accurately and uniformly sized chains to sit properly in load sheaves.

## Corrosion free White zinc plated Hand Chains

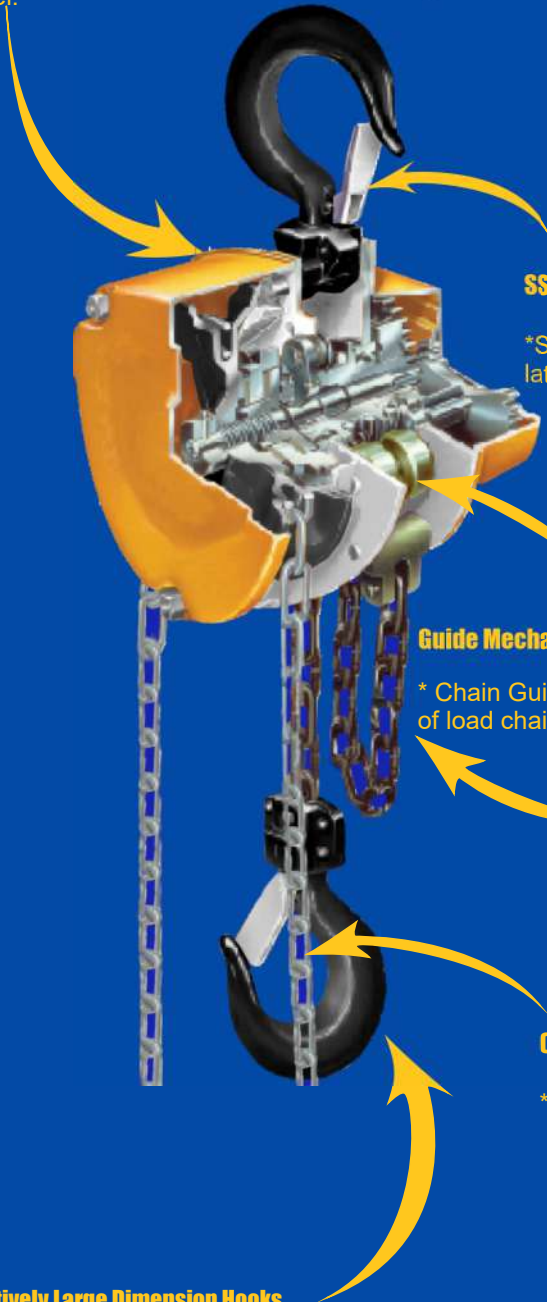
\*All hand chains are zinc plated to avoid any corrosion.

## Durable and Accurate Gears

\* The gears are made of Hardened alloy steel and these are highly accurate and durable gears

## Relatively Large Dimension Hooks

\*Drop forged load and suspension hooks that yield under overload instead of breaking, are made of high tensile steel as per IS:15560. These hooks are of relatively larger dimensions for easier and wider industrial applications.



variation

MODEL  
**360° OLP**



0.5 t - 3 t single fall



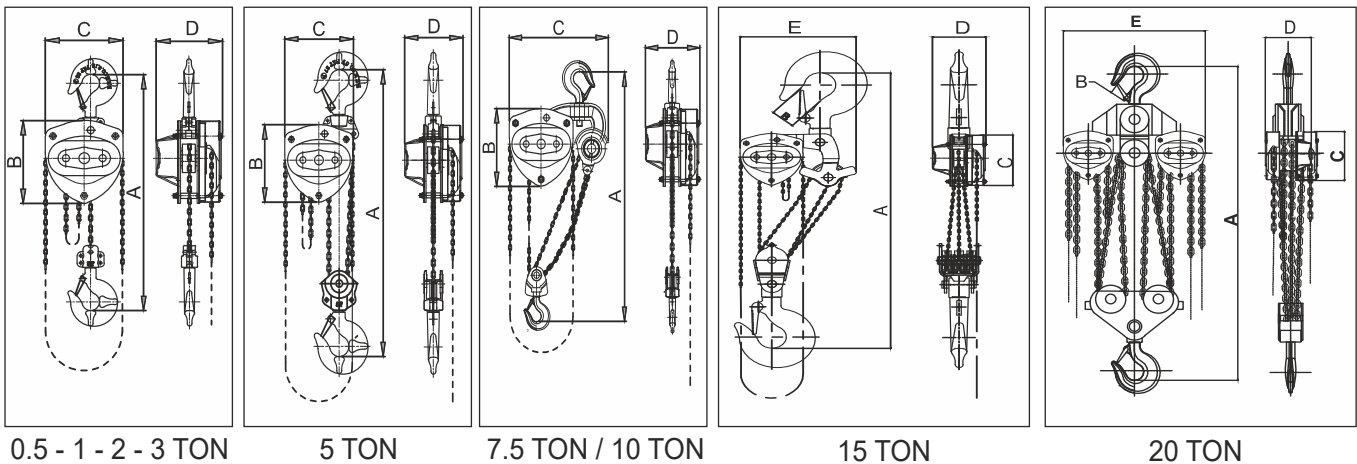
5 t 2 fall



10t 4 fall

### Specifications for POWERFULL<sup>®</sup> BEMCO<sup>®</sup> Super 'P' Series Chain Pulley Block

CAPACITY IN TONS	0.5	1	2	3	5	7.5	10	15	20
STANDARD LIFT IN METRES	3	3	3	3	3	3	3	3	3
HAND POWER REQUIRED IN Kgs +/- 10%	25	25	28	41	42	43	43	50	50
SHORTEST DISTANCE BETWEEN HOOK IN mm	410	410	507	550	710	920	930	1050	1200
LOAD CHAIN DIA IN mm	6	6	8	10	10	10	10	10	10
NO OF FALLS	1	1	1	1	2	3	4	6	8
VELOCITY RATIO +/- 10%	60	60	108	110	220	330	440	600	850
NET WEIGHT WITH 3 MTS LIFT Kgs	13.5	13.5	19.5	35.0	45.0	87.5	108.0	125.8	179
GROSS WEIGHT WITH 3 MTS LIFT Kgs	14.0	14.0	20.5	38.0	57.0	110.0	140.0	169.8	236.0



PRINCIPAL DIMENSIONS (mm)								
CAPACITY IN TONS	DIMENSION A		DIMENSION B		DIMENSION C		DIMENSION D	
0.5	410		175		165		151	
1	410		175		165		151	
2	507		215		201		178	
3	550		255		240		205	
5	710		255		240		205	
7.5	920		255		440		205	
10	930		255		440		205	
	DIMENSION A		DIMENSION B		DIMENSION C		DIMENSION D	
15	1050		72.7		255		205	
10	1200		74		255		205	

