

DESCRIPTION

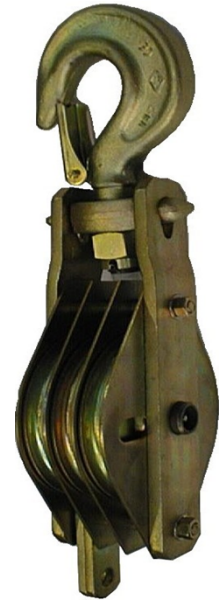
The FM range hook blocks are non-opening blocks with 2 or 3 sheaves for wire rope

The blocks are provided with a bronze bushed steel sheave and a hook with safety latch.

Often used for horizontal block assemblies and for pulling applications when the winding ratio can be smaller than 22.

The flanges are re-inforced by fitting sheaves; these are separated by intermediate flanges and fitted on a tempered and quenched axle.

This is the essential tool for tirsors and other pulling equipments. Other models and dimensions on request.

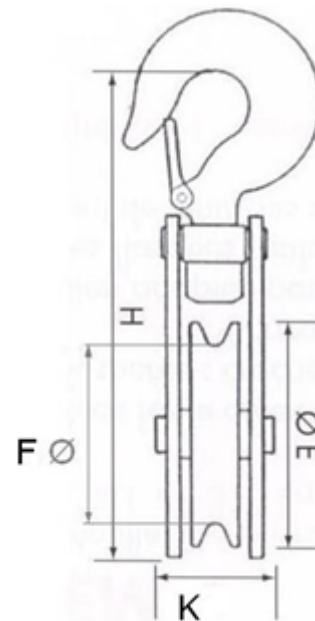
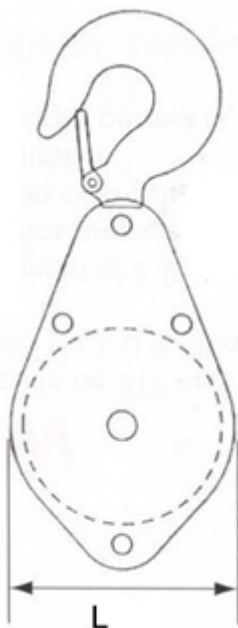


DIMENSIONAL CHARACTERISTICS

Reference	Group code	WLL* in t	wire-rope Ø min/max	sheave	ext Ø sheave E	Flange width L	Hook bowl to top H	Overall thickness K	weight in kg
F003M	82289	1,25	7/8	2	100	106	317	80	5
F013M	82329	3,2	10/11,5	2	160	170	468	125	12,5
F023M	82369	5	13/15	2	200	210	532	135	18
F073M	82449	5	10/11,5	3	160	170	471	135	16

* Work Load Limit

dimensions in mm



TECHNICAL CHARACTERISTICS

- Ultimate load is 4 times the working load limit (WLL).
- Zinc bichromated coating.

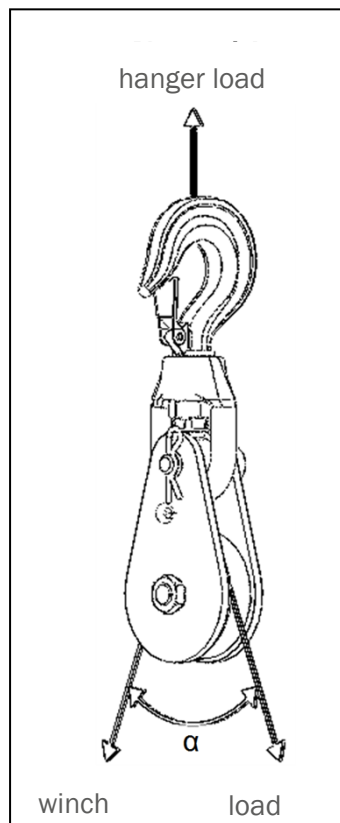
NON-CONFORM USES

- **NEVER USE FOR PERSONNEL LIFTING.**
- Always use suitable rope (size, length and capacity)
- Strictly forbidden to either be under or to walk under the load.
- The block should be regularly inspected (priority checking: parts correctly assembled, no excessive movement, no excessive wearing or corrosion, no deformation, no weld corrosion or cracking, free rotating sheave).
- Prior to using the block, check for proper position and locking of the snatch block.
- Never use a block with a hook as top anchor point without ensuring that the safety latch is correctly operated and free from deformation.
- For lifting operations, the user must refer to the safety rules and regulations applicable to this issue.
- The operator should never release the rope when a load is suspended or leave a suspended load unsupervised.
- Never install a Charlet return pulley as a hook block on lifting equipments (crane, hoist, ...).

Calculation of loading of a snatch blocks

The maximum Working Load Limit (WLL) written on the side of the block is the maximum load that should be exerted on the block and its connecting fitting.

This total load value F varies with the angle (α) between the incoming and departing lines to the block. The following table indicates the factor to be multiplied by the line pull to obtain the total load F on the block.



Angle α	Effort applied on suspension "F"
0°	winch WLL x 2
15°	winch WLL x 1,98
30°	winch WLL x 1,95
45°	winch WLL x 1,85
60°	winch WLL x 1,73
90°	winch WLL x 1,41
120°	winch WLL x 1
150°	winch WLL x 0,52
180°	winch WLL x 0

Always ensure :
F < pulley WLL
F < anchoring point resistance.