

Instruction Manual

Pulley Block



Note: The Owner/Operator must read carefully and understand all the information presented here before operation.

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THANK YOU FOR USING THIS PULLEY BLOCK. FOR YOUR SAFETY AND CORRECT OPERATION, PLEASE CAREFULLY READ THIS INSTRUCTION BEFORE USING IT.

NOTE: All of the information reported herein is based on data available at the moment of printing. The factory reserves the right to modify its own products at any moment without notice and incurring in any sanction. So it is suggested to always verify possible updates.

1.GENERAL

The pulley blocks can be used to change the direction of the wire rope with a sheave freely rotating on an axle. One side of the pulley blocks is hinged and can be opened for easy and quick positioning of the wire rope on the sheave. Swinging the hook in the direction of pull securely locks the pulley block. The high quality cast steel sheaves have machined grooves and are fitted with maintenance-free bushes.

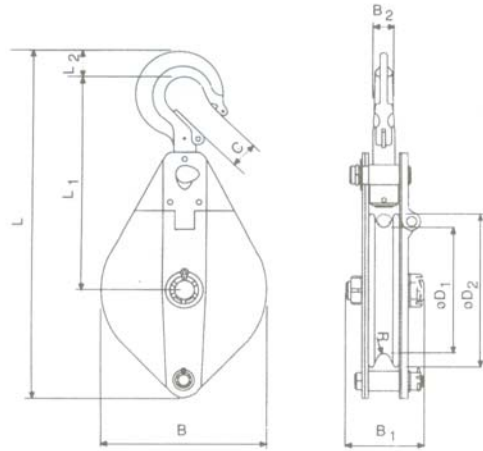
All pulley blocks have been manufactured according to EN13157:2003, in accordance with the Machinery Directive 98/37/EC. They are type-tested with the load of 4 times the rated capacity. Each unit is proof-tested with the load of 1.5 times the rated capacity.

Do not use the clamps in areas containing flammable vapors, liquids, gasses or combustible dust of fibres. Do not use the clamp in highly corrosive, abrasive, wet environments or in applications involving exposure to temperatures below 10°C or above 60°C

2.SPECIFICATIONS

Working Load kg	Hook hatch mm	Rope Dia. mm	Net weight kg	B	B1	B2	C	φ D1	φ D2	L	L1	L2	R
1000	23	φ 7	3.3	118	76	17	23	85	105	305	200	23	4
2000	27	φ 13	8.9	199	92	24	27	150	190	425	263	30	7

3200	31	Φ 15	15.5	230	108	28	31	180	220	496	295	40	9
6400	42	Φ 18	26.5	270	116	35	42	210	260	655	375	47	110



3. OPERATION

- 3.1 Read and understand the operating instruction.
- 3.2 Estimate the load that is to be lifted or moved and make sure it does not exceed the rated load of the block.
- 3.3 Make sure that the support to which the hook is attached is strong enough to hold several times the load. Be sure the block is solidly held in the uppermost part of the hook, the latch is closed and the latch does not contact the support.
- 3.4 Make sure that the block is rigged so that the wire rope will form a straight line when the block is operated and the block is free to move and will not come in contact with any object.
- 3.5 Make sure that the utilization coefficient of the wire ropes used with the pulley block shall be at least equal to 5.



WARNING

To avoid damage and/or personal injury:

1. Do not exceed maximum load of the block.
2. Do not use the block to lift or transport people.
3. Do not use damaged block or block that is not working properly.
4. Do not lift or transport loads over people and make sure all personnel remain clear of supported load.
5. Do not lift the load that is not fully engaged with the hook.
6. Do not leave load supported by the pulley block unattended unless specific precaution have been taken
7. Do not lift or transport loads that are not balanced, and the holding action is not secure.

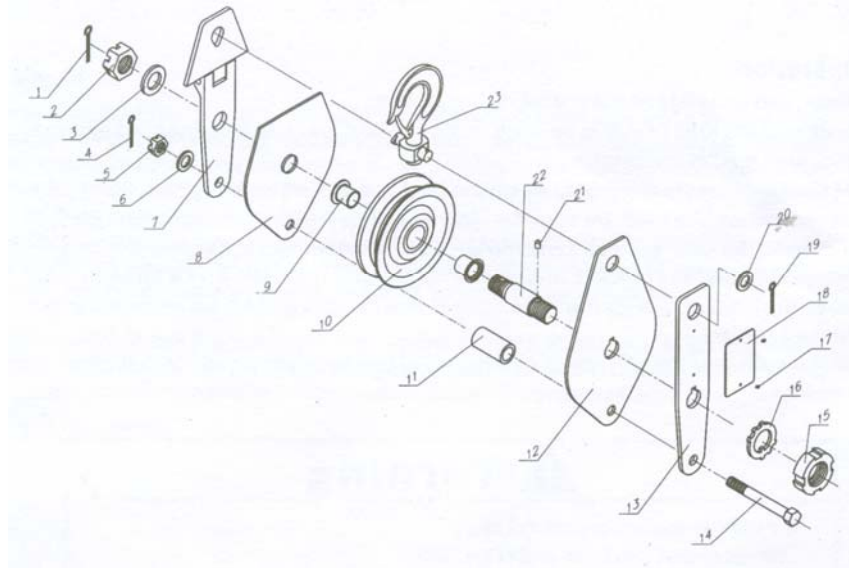
4.MAINTENANCE / INSPECTION

To maintain continuous and satisfactory operation, a regular inspection procedure must be initiated so that worn or damaged parts can be replaced before they become unsafe.

If faults are detected the pulley block must be put out of service immediately. The intervals of inspection must be determined by the individual application and are based up on the type of service to which the block is subjected.

The unit should be inspected for faultless operation and at least annually investigated by an expert. The wire rope to be inspected to national standard. Inspect sheave for wear. Inspect hook for flaws, cracks, distortion, wear and freedom of rotation. Repairs may only be carried out by a specialist work shop that uses original spare parts.

5. EXPLODED VIEW & PART LIST



No.	Description	Qty	No.	Description	Qty
1.	Split pin A	1	13.	Reinforcement plate	1
2.	Hex castle nut A	1	14.	Screw	1
3.	Spacer washer A	1	15.	Slotted nut	1
4.	Split pin B	1	16.	Locking washer	1
5.	Hex castle nut B	1	17.	Rivet	2
6.	Spacer washer B	1	18.	Name plate	1
7.	Hinge plate	1	19.	Split pin C	1
8.	Side plate A	1	20.	Spacer washer V	1
9.	Bush	2	21.	Axle bolt	1
10.	Sheave with a groove	1	22.	Sheave axle	1
11.	Spacer tube	1	23.	Assembly hook	1
12.	Side plate B	1			