

Instruction Manual



“JAGUAR” SNATCH BLOCKS / HIGH RESISTENCE BLOCKS



NOTICE

If the equipment is not properly installed, operated and maintained it may be damaged. Before using it, all persons involved in its installation, operation and maintenance must read this manual carefully. For your care, follow all instructions and recommendations contained in this manual carefully. This manual should also be saved for future use.



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USES:

The snatch blocks are equipment used for lifting, to change the direction of loading or to drag. When working together with cable they are the connection between the load to be lifted and the lifting equipment.

MODELS:

We developed 4 different models of snatch blocks, two of them with hinge body and hook or eyebolt suspension system (model PBG-PBC) and two others with fixed body and hook or shackle suspension system (model PG and PGLT).

Each model is designed for a specific purpose, the hinge body allows easy opening of the body and quick placement of the cable, while the fixed body models are high resistance and are designed for work with heavier loads and in severe conditions.

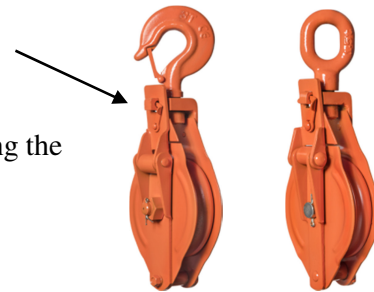
All models are marked with the following:

- Max. working load (kg)
- Manufacturer brand (Jaguar)
- Traceability code
- CE mark

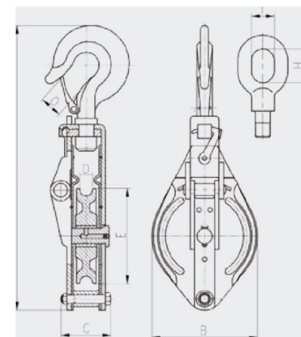
The finishes are with hot epoxy paint, RAL2009 as for the entire range of Jaguar products.

MODELS WITH HINGE PGB (HOOK) AND PBC (EYEBOLT)

The lateral opening through the hinge located in the main body allows a quick and convenient insertion of the cable simply by opening the latch on top. The hook and the eyebolt can rotate 360°.



HOOK MODEL	MAX. WORKING LOAD (KG)	A1 (MM.)	B(MM.)	C(MM.)	O(MM.)	H(MM.)	I(MM.)	WHEEL DIA. (MM)	CABLE DIA. (MM)	NET WEIGHT (KG)
PBG100	1.000	312	112	55,5	24			100	≤10	3,5
PBG125	1.500	370	140	63,5	29			125	≤13	4,5
PBG150	2.000	443	168	101	36			150	≤16	8
PBG180	3.000	498	204	107	38			180	≤19	11
PBG200	4.000	590	226	128	41			200	≤22	20
PBG250	5.000	590	276	147	48			250	≤25	34
PBC100	1.000	285	112	55,5		39	27	100	≤10	3,5
PBC125	1.500	344	140	63,5		44	30	125	≤13	4,5
PBC150	2.000	417	168	101		53	35	150	≤16	8
PBC180	3.000	478	204	107		71	42	180	≤19	11
PBC200	4.000	556	226	128		87	52	200	≤22	20
PBC250	5.000	651	276	147		90	53	250	≤25	34

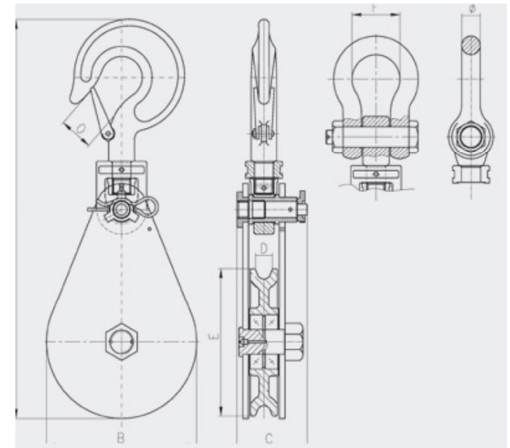


HIGH RESISTANCE MODELS PG (HOOK) AND PGLT (NUT SHACKLE)

These snatch blocks are more robust design for heavy loads, the hook and the shackle rotate 360°.



HOOK MODEL	MAX. WORKING LOAD (KG)	A1 (MM.)	B(MM.)	C(MM.)	WHEEL DIA. (MM)	O (MM.)	F(MM.)	Ø	CABLE DIA. (MM)	NET WEIGHT (KG)
PG75	2.000	292	82	70	75	30			7-9	4
PG115	4.000	358	120	70	115	41			10-12	6
PG1504	4.000	412	160	70	150	41			16-18	8,5
PG1508	8.000	498	160	93	150	45			20-22	14
PG2008	8.000	549	210	93	200	45			20-22	19
PG20015	15.000	672	230	102	200	67			22-24	34
PG25010	10.000	695	260	115	250	60			24-26	36
PG25012	12.000	701	260	115	250	67			24-26	36
PG30012	12.000	797	310	133	300	67			24-26	56
PG30015	15.000	800	310	133	300	67			24-26	58
PGLT75	2.000	286	82	70	75		43	16	7-9	4
PGLT115	4.000	345	120	70	115		58	25	10-12	6
PGLT1504	4.000	399	160	70	150		58	22	16-18	8,5
PGLT1508	8.000	475	160	93	150		68	25	20-22	14
PGLT2008	8.000	528	210	93	200		68	25	20-22	19
PGLT20015	15.000	663	230	102	200		99	38	22-24	34
PGLT25010	10.000	679	260	115	250		83	32	24-26	36
PGLT25012	12.000	679	260	115	250		83	32	24-26	36
PGLT30012	12.000	767	310	133	300		92	35	24-26	56
PGLT30015	15.000	788	310	133	300		99	38	24-26	58



USAGE INSTRUCTIONS:

The basic objective of any lifting manoeuvre is to transport the load to the desired location and deposit it safely and efficiently, without damaging the load, the equipment used and the surrounding area.

Attention must be paid to the following factors:

- Do not carry out any lifting manoeuvre if training has not been received or this instruction manual has not been read carefully.

The snatch blocks must be checked before use to ensure that:

- All markings are legible

- They are free of bumps, cuts and cracks.

- The inner sheave works correctly and rotates easily.

- The snatch block has been selected with the maximum working load and the correct cable for the load to be transported.

- Do not pull sideways on the snatch block, always manipulate it in straight lines and pull it correctly aligned.

- The maximum working load is always applied to static loads, for dynamic loads properly select the snatch block taking this into account.

-Always make sure that the hook, shackle or eyebolt is well seated on the point or load to which it will be attached.

-The snatch blocks should not be exposed to sources of heat because the maximum work load may change.

-Never modify, repair or alter the shape of the snatch block by machinery, welding or bending it as it will alter the maximum working load.

It is required that the equipment be inspected regularly and that these inspections take place based following the UNE-EN-13157 standard. They should be reviewed at least every 6 months and more frequently if they are used in harsher conditions.

WORKING LOADS:

The working load of the snatch block usually varies depending on the angle between the cable and the load. **See Figure 1.** When the cables are parallel, 1 ton. on each cable results in a load of 2 tons. On the Equipment.

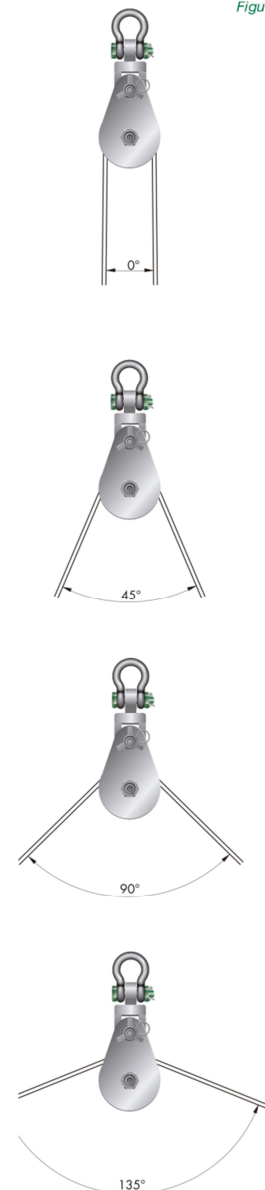
The more the angle is increased, the lower the load capacity of the equipment. The workload is reduced by the angle factor according to **table 1.**

Friction losses are not included in these values.

working angle	angle factor
0°	2
10°	1.99
20°	1.97
30°	1.93
40°	1.87
45°	1.84
50°	1.81
60°	1.73
70°	1.64
80°	1.53
90°	1.41
100°	1.29
110°	1.15
120°	1
130°	0.84
135°	0.76
140°	0.68
150°	0.52
160°	0.35
170°	0.17
180°	0

Tabla 1

Figura 1



INSPECTION AND MAINTENANCE:

It is a requirement of occupational health and safety that the lifting equipment has a maintenance schedule and that they are carried out. This task and responsibility falls on the user.

1. The program must meet the requirements of the manufacturer's maintenance instructions and consider whether there is a special requirement due to the conditions of service.
2. The maintenance program must be synchronised with the equipment with which it is used together.
3. As a daily routine, the user must visually inspect the snatch block and associated equipment with which it is being used, verify that the equipment is free of damage and notify the responsible party if there is any.
4. All lifting equipment must be checked at least every 6 months, after any repair and always before being used.
5. When the inspection of the equipment is carried out, check that the main body is free of deformations, cuts and sharp edges. Carefully check all the components of the snatch block, side plates, shafts, spring pins and bearings are free of excessive wear and tear. Check that the closing devices such as shackle, eyebolt, hook and latch have no gaps or any type of defect caused by continued use and are in perfect condition for use, otherwise they must be removed from service.

LUBRICATION:

Lubrication depends on the frequency of use and environmental conditions, provided that the equipment is used under normal conditions. As a general guide you should follow the following program:

1. **BRONZE BEARINGS (PG/PGLT SHEAVE CABLE MODELS)**
-Every 8 hours of continuous use in 14 alternate days of operation.
2. **BALL BEARINGS (PG/PGLT HOOK/SUSPENSION SHACKLE MODELS)**
-Every 20 hours of continuous use in 14 alternate days of operation.
3. **CONICAL ROLLER BEARINGS (PG/PGLT DE + DE C.M.T 4TON. MODELS)**
-Every 40 hours of continuous use in 36 alternate days of operation.
4. **LUBRICATION POINTS OF THE MAIN BODY (ALL MODELS)**
-Every 14 days.

We are not responsible for the lack of equipment maintenance.

NOTES

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LIMITATION OF GUARANTEES, REDRESS AND DAMAGES

THE WARRANTY BELOW HAS BEEN TAKEN FROM ALL OTHER EXPRESS OR MERCHANTABILITY WARRANTIES, WITH GOOD INTENTIONS, FOR A SPECIFIC PURPOSE, NO PROMISE OR STATEMENT MADE BY A SELLER, AGENT OR REPRESENTATIVE SHOULD CONSTITUTE A WARRANTY OF LIABILITY AND OBLIGATION.

The seller guarantees that the merchandise at the time of dispatch is free of manufacturing defects and also guarantees the material with which it was manufactured.

THE SELLER'S ONLY OBLIGATION IS IN THE EVENT OF CONTRACT BREACH OR NEGLIGENCE OF THE SELLER, WITH RESPECT TO WHAT IS SOLD, IN SUCH CASE THEY SHOULD REPAIR OR CHANGE THE DEFECTIVE PART.

In the event that a repair or exchange is not feasible, the seller shall reimburse the buyer the price of the sale against reimbursement thereof by the buyer.

ANY WARRANTY CLAIMS AGAINST THE SELLER FOR DEFECTS OF THE GOODS OR BECAUSE OF NEGLIGENCE THEREBY WILL NOT BE VALID UNTIL THE PURCHASER DULY NOTIFIES THEREOF IN WRITING AND IT IS RECEIVED BY THE SELLER WITHIN THE SIX-MONTH PERIOD FOLLOWING IT LEAVING THE FACTORY.

The seller is not responsible for damages, losses or injury if these are:

- 1) If the damage is done after the seller has made the delivery.
- 2) If the equipment is not maintained, inspected or used according to the instructions and recommendations of the manual.
- 3) If the equipment has been installed, repaired, altered or modified without following the manufacturer's recommendations.

INDEMNIFICATION AND SAFE OPERATION

The buyer must comply with and ensure its employees to comply with the instructions in the manual made by the manufacturer for the care and maintenance of the equipment. The buyer should not remove caution or instruction labels from the equipment. Notification must be given in writing within 48 hours after receiving the goods of any damage or defect or accident thereof. The buyer must cooperate with the seller in the investigation of any accidental damage and with any claim for this.

If the buyer fails to comply with this section and some partial or total damage is caused by the buyer's irresponsibility and breach of the established legal safety requirements by the buyer, the buyer must indemnify the seller against any demand by the latter for expenses for damages arising from the incorrect use of the merchandise.

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