



Lifting Your Business to A Higher Level

USER MANUAL

SHEAVE BLOCK (PULLEY)

For Fibre Rope: 139075F, 139100F, 139125F, 139150F

For Wire Rope: 139075W, 139100W, 139125W, 139150W



1300 100 120

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD



WARNING
New operator must be trained prior to use!

Light Duty Sheave Block (Pulley)

Austlift manually operated sheave blocks are used for manual lifting equipment. All pulley blocks have been manufactured according to AS/NZS 2089.

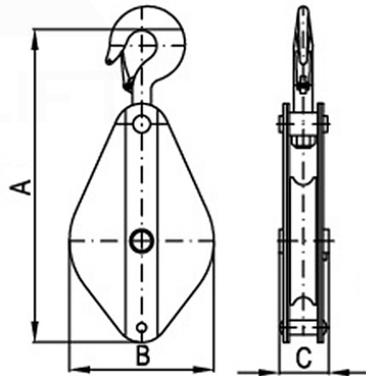
Do not use the clamps in areas containing flammable vapors, liquids, gasses or combustible dust of fibres. Do not use the clamp in highly corrosive, abrasive, wet environments or in applications.

**AS/NZS
2089**

Certified

**WLL From
250kg~1t**

Specifications



DIA. (mm)	FIBRE ROPE		WIRE ROPE		WLL (T)	Wt. (kg)	DIMENSIONS (mm)		
	CODE	ROPE	CODE	ROPE			A	B	C
75	139075F	12	139075W	6	0.25T	1.2	222.4	80	40
100	139100F	16	139100W	8	0.5T	2.2	300.5	108	48.5
125	139125F	20	139125W	10	1T	3.8	346	140	53.5
150	139150F	24	139150W	12	1T	5.2	392	168	60

Applications

- Factories and warehouse
- Mining
- Agriculture
- Building construction
- Dock ships and cargo lifting

Features

- Manufactured for ease of operation, lightweight durable and compact design.
- Available in fibre rope and wire rope sheave blocks with 75mm to 150mm sheave diameters also fitted with a bronze bush.
- Test certificate supplied.

Inspection Before Use

1. Wear on pins or axles, rope grooves, side plates, bushing or bearings, and fittings. Excessive wear may be a cause to replace parts or remove block from service.
2. Deformation or corrosion in side plates, hook, hook latch, nuts, pins and axles, fitting attachment points, trunnions, etc. Deformation can be caused by abusive service and/or overload and may be a cause to remove block from service.
3. Misalignment or wobble in sheaves. Sheave pin nuts should be checked for proper positioning.
4. Security of nuts, bolts, and other locking methods, especially after reassembly following a tear down inspection. Original securing method should be used; e.g., staking, set screw, cotter pin, cap screw.
5. Pins retained by snap rings should be checked for missing or loose rings. Pins for tapered roller bearings should be tightened to remove all end play during sheave rotation.
6. Hook or shackle to swivel case clearance. Pins for bronze bushings and straight roller bearings should have a running clearance and should be adjusted accordingly. Increased clearance can result from component wear and necessitate disassembly and further inspection.
7. Surface condition and deformation of hook (See ANSI B30.10.)
8. Welded side plates for weld corrosion or weld cracking.
9. Hook latch for deformation, proper fit and operation.



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How to Use Sheave Block

- Read and understand the operating instruction.
- Estimate the load that is to be lifted or moved and make sure it does not exceed the rated load of the block.
- 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.
- 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.
- Make sure that wire ropes shall match the pulley block recommend wire rope diameter.

Care in Use

Ensure that the loads do not exceed the working load limit of the sheave block.

Special Conditions

Unless stated otherwise Austlift sheave blocks as standard are designed in accordance with AS 2089 guidelines. They are intended for general lifting purposes.

Special conditions in use including environmental conditions, chemical exposure, explosive atmospheres, marine environments, personnel lifting, shock loading and tilt wall lifting etc. can greatly influence the life and suitability of a particular block.

Always seek advice on the suitability of your sheave blocks. Demanding applications and environments shall shorten the inspection intervals of your block and may affect the Working Load Limit.

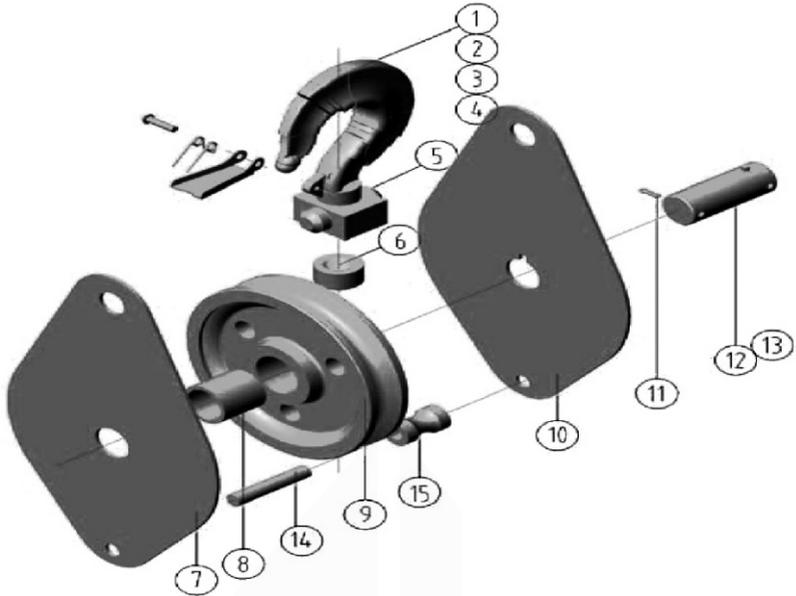
Warning

1. The head fitting nut must be checked to ensure it is properly engaged into its retaining nut to the full depth, the thread is locked and the R clip is fitted correctly.
2. 10% wear is the maximum permissible, check for wear on pins, axles, rope grooves, side plates, bushes/bearings and fittings. If excessive wear is present remove the block from service and replace necessary parts retest and certify block for reuse.
3. Check for deformation and distortion in side plates, pins and axles, fitting attachment points, trunnions etc. Deformation can be caused by misuse, overload, heat or inappropriate modification. Deformation of blocks requires further inspection and will most likely involve that the block be removed from service.
4. Check for wobble or misalignment in sheaves. This indication may mean that bearings require replacement or axles are damaged and warrant for further inspection. Also look and listen for grinding when the sheave is rotated.
5. After any disassembly for inspection check that all nuts bolts, scotch keys, cotter pins, keeper plates, R clips and other locking methods are secure and in good condition.
6. Check that the sheave axle does not turn. This may mean the axle has seized or been damaged and/or the axle locking pin is damaged or loose.
7. Check for excessive free play between the eyebolt (or hook shank) and the shackle pin. Check for radial and longitudinal free play. Excessive freeplay is a sign of wear.
8. Look for deformation or corrosion in threads and look for cracks or corrosion in welds as these may dangerously weaken the block any crack is cause to withdraw a block from service.
9. Check the hook and latch for any sign of deformation. Stretched hooks are a sign of overloading which may weaken the hook. Replacement latches are available.

Storage and Maintenance

Sheave blocks and ropes should be periodically overhauled and, when not in use, carefully stored in a satisfactory Environment.

Light Duty Sheave Block Spare Parts



KEY	NAME
1	Hook
2	Safety Latch
3	Spring
4	Rived
5	Beam
6	Hook Nut
7	Left Side Plate
8	Shaft Bushing
9	Sheave
10	Right Side Plate
11	Split Pin
12	Shaft
13	Round Pin
14	Spacer Bush Pin
15	Spacer Bush

FIBRE ROPE SHEAVE BLOCK SPARE PARTS		
DIA. (mm)	SUIT FOR	MANILA ROPE SHEAVE WHEEL
		 Manila Rope Sheaves
75	139075F	070075M
100	139100F	070100M
125	139125F	070125M
150	139150F	070150M

WIRE ROPE SHEAVE BLOCK SPARE PARTS		
DIA. (mm)	SUIT FOR	WIRE ROPE SHEAVE WHEEL
		 Wire Rope Sheaves
75	139075W	070075W
100	139100W	070100W
125	139125W	070125W
150	139150W	070150W

AUSTLIFT®

Wholesale of Lifting, Rigging, Load Restraint
& Height Safety products

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