

# HARKEN®

## INSTRUCTIONS

### Zircon Blocks

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### Description and Features



Low-friction, ceramic bearing blocks deliver increased sensitivity in high-performance applications.

#### Features:

- Composite sheaves insert-molded with low friction ceramic bearings
- Sheave and sideplates are strong and reliable fiber reinforced composite construction
- Structural head for soft attachment

#### Single



2190, 2195



2191, 2196

#### Double



2192, 2197



2193, 2198

### Specifications

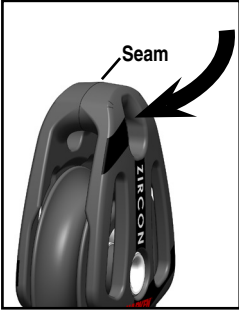
Part No.		Sheave Ø		Length		Weight		Optimal line Ø		Maximum working load		Breaking load	
		in	mm	in	mm	oz	g	in	mm	lb	kg	lb	kg
2190	40 mm Single	1 9/16	40	2 3/8	60	0.81	22.9	1/4	6	250	115	750	340
2191	40 mm Single w/becket	1 9/16	40	2 7/8	73	0.93	26.5	1/4	6	250	115	750	340
2192	40 mm Double	1 9/16	40	2 3/8	60	1.58	44.7	1/4	6	500	230	1500	680
2193	40 mm Double w/becket	1 9/16	40	2 7/8	73	1.68	47.6	1/4	6	500	230	1500	680
2195	57 mm Single	2 1/4	57	3 1/8	79	1.58	44.8	5/16	8	330	150	990	450
2196	57 mm Single w/becket	2 1/4	57	3 3/4	95	1.81	51.4	5/16	8	330	150	990	450
2197	57 mm Double	2 1/4	57	3 1/8	79	3.05	86.4	5/16	8	660	300	1980	900
2198	57 mm Double w/becket	2 1/4	57	3 3/4	95	3.27	92.7	5/16	8	660	300	1980	900

## Attachment

Use lashing or loops secured to the head of the block.



**IMPORTANT!** Lash only through both cheeks so the lashing is holding the block together, not split apart. If the lashing or soft attachment is in line with the seam, it can split the block apart, causing it to fail.

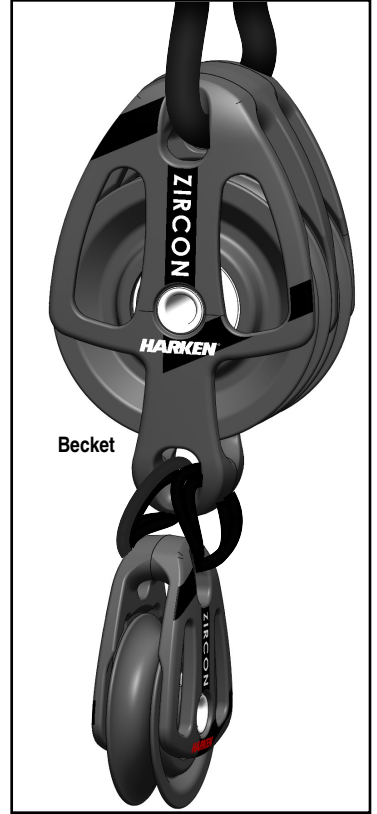


CORRECT



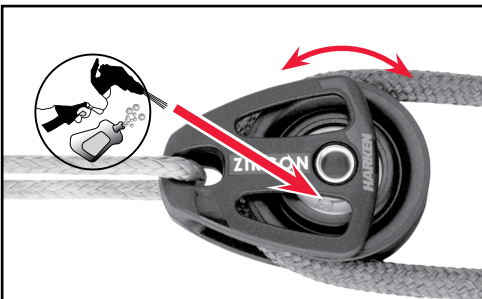
INCORRECT

**IMPORTANT!** If adding a block to the becket, be sure the load on the block used to increase the mechanical advantage is no more than 1/3 the load of the upper block. Do not add a full loaded separate system.



## Maintenance & Warranty

Clean block and attachments frequently with detergent and fresh water applied into sheave, ceramic bearings and sideplate areas. Rotate sheave to distribute. Flush with fresh water while rotating parts. Inspect and replace worn, UV damaged, or compromised splices on lashings and attachment loops.



For additional safety, maintenance, and warranty information go to:

[www.harken.com/manuals](http://www.harken.com/manuals) or the Harken catalog.