

OCEANIC CABLE BLOCK

Safely leading data cable & towed arrays overboard



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Aligns the load for optimized cable tracking

Harken Industrial™ Oceanic Cable blocks are used on research vessels to safely lead data cables and towed objects overboard. At only 19.3 kg (42.5 lb), the 500 mm (20") sheave-diameter block is light enough to align to the load, optimizing cable tracking.



Durability

Sideplates are constructed of hard-coat-anodized 6061-T6 aluminum for strength, durability, and corrosion resistance. They are PTFE-coated for a smooth surface.



Design

The block's wide throat allows passage of data cable terminals. The sheave's durable, lightweight Nylatron® material has high mechanical stiffness, resists static electricity, and has excellent wear resistance. Helicoils add strength while plastic isolators are used to minimize corrosion between aluminum and stainless steel.



Large diameter sheave

The block's open center helps move the center of gravity toward the shackle, improving the block's ability to align with the load. The sheave's groove detailing can be designed to suit specific data cable diameters.



Bearings

Delrin® roller bearings are housed in a center cage to keep them parallel for low-friction efficiency. The large-diameter bearing cage reduces friction and spreads the load. Captive Torlon® ball bearings handle sideloads.



Options

The block is designed to work with an optional magnetic Hall Effect Sensor.

FAQS

Q: Is the Oceanic Cable block compliant with any industry bodies?

A: Yes. It is compliant with UNOLS Research Vessel Safety Standard, 10th Edition—2015.

Q: Does Harken industrial provide a Maximum Capability Document?

A: Yes. Please contact Harken Industrial.

Q: What linear speed can it handle?

A: 60 m/min (196 ft/min).

Q: What is the lifespan of the block?

A: Harken Industrial recently serviced some 10-year-old blocks. Regularly flushing the blocks with fresh water will help extend their life before service is required.

Q: Do you offer sheaves for alternative cable diameters?

A: Yes. The sheave groove detailing can be designed to suit specific cable diameters. Please email your requirements for a quote.

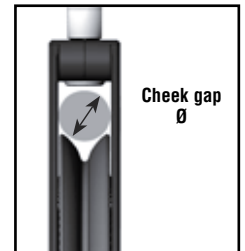
APPLICATIONS & MAINTENANCE

Oceanographic research

The Oceanic Cable block is used by Woods Hole Oceanographic Institute, University of Rhode Island (USA), and University of Alaska – Fairbanks oceanographic research departments, as well as many other research organizations.

Maintenance is easy

Flushing the block with fresh water after use will keep the dry-running bearings free rolling. If further maintenance is required, one hex wrench is all you need for disassembly. All the bearings are captive, so no need to worry about losing parts.



Part No.	Sheave Ø		Cheek gap Ø		Cable Ø		Weight		Root Ø		Max rated load	
	in	mm	in	mm	in	mm	lb	kg	in	mm	lb	kN
IN9417	29.52	750	4	101.6	0.75	19	150	68	26.5	673.1	39500	175.7
IN8355	20	500	2.25	57	0.375	9.5	42	19	17.965	456.31	19000	84.5
IN8260	20	500	2.25	57	0.25	6	42	19	17.75	450.85	19000	84.5
IN6989.590	20	500	2.25	57	0.59	15	42	19	17.662	448.62	19000	84.5
IN6989	20	500	2.25	57	0.315	8	42	19	17.662	448.62	19000	84.5
IN12771.322	20	500	2.25	57	0.315	8	42	19	17.662	448.62	19000	84.5
IN11467.500	25.5	650	2.75	70	0.5	12	137	62.16	23	584.2	65000	290
IN11467.410	25.5	650	2.75	70	0.41	10.5	137	62.16	23	584.2	65000	290
IN11118.680	30.5	775	4	101.6	0.68	17	233	105.68	28	711.2	80000	355
IN11118.563	30.5	775	4	101.6	0.563	14	233	105.68	28	711.2	80000	355

Compliant with UNOLS Research Vessel Safety Standards, Appendix B * Freeze tolerant version

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WARNINGS AND INSTRUCTIONS. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this equipment, or failure to follow these instructions, can result in serious injury or death.

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