HARKEN®
INDUSTRIAL

INDUSTRIAL PULLEY SYSTEMS

Cable-Laying Pulleys (Blocks)

Harken Cable-Laying Pulleys are being used by oceanographic research vessels to safely lead cable overboard and to deploy instruments. Because fiber-optic cable has a large bend radius, Harken Cable-Laying Pulleys have diameters to suit. The aluminum sideplates and Nylatron® self-lubricating sheave materials are very lightweight and strong, optimizing cable tracking.

USES

Harken C6989, C8355, and C9417 pulleys are used for oceanographic cable, including fiber-optic; designed to withstand corrosive marine environments.

FEATURES

Delrin® roller bearings are housed in a center cage to keep them parallel for low-friction efficiency. Captive Torlon® ball bearings handle side loads.

The pulley's large center hole moves the center of gravity toward the shackle, improving the pulley's ability to align with the cable under tow.

The pulley's wide throat allows passage of wire terminals.

Pulleys accommodate line counter instrumentation.

MATERIALS

UV-stabilized 6061 aluminum sideplates are deep-saturation, Hardkote-anodized for maximum protection; Teflon®-impregnated for a smooth, slippery surface.

The use of Helicoils® and isolating materials between aluminum and stainless steel components minimizes corrosion.

The sheave's durable, lightweight Nylatron® material has high mechanical strength and stiffness, resists static electricity, and has excellent wear resistance.

The sheave's wide diameter and Nylatron's® exceptional self-lubricating and wear characteristics deliver cable without damage.

OPTIONS

Available in 500 mm and 750 mm sheave diameters. Can be designed to suit your specific requirements.

MAINTENANCE

Flushing with fresh water after each use will keep the self-lubricating bearings free rolling.

One Allen wrench is the only tool needed to disassemble the pulley.

All bearings are captive so there is no worry about losing parts.

Caged roller bearings

Part No.	Description	Sheave Ø in	Sheave Ø mm	Cable Ø in	Cable Ø mm	Weight lb	Weight kg	Maximum working load lb	Maximum working load kg	Breaking load lb	Breaking load kg
C6989	Cable-laying pulley	20.00	508	5/16	8	42.5	19.3	5000	2268	20000	9091
C8355	Cable-laying pulley	20.00	508	3/8	10	42.5	19.3	5000	2268	20000	9091
C9417	Cable-laying pulley	29.53	750	3/4	19	143.3	65.1	10000	4535	40000	18182

Maximum working loads are 4:1 coefficient ratio of the breaking load. Human suspension applications require 10:1 ratio.

WARNINGS AND INSTRUCTIONS. You must carefully read, understand, and follow all of the warnings and instructions in the User Manual provided by Harken in order to avoid an accident. Never, under any circumstances, exceed the maximum rated load.

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