

# DeepCool™ ASB

Product Code: 884

Class II

New technology resists the buildup of heat from CBOS applications for longer service life in deepwater lowering/lifting operations.

**FEATURES:**

- > Uses Dyneema® SK-75
- > A size-for-size strength replacement for wire rope at only 1/7th the weight
- > Significantly increased CBOS fatigue life
- > Torque-free, very flexible, easy to handle
- > Similar elastic elongation to wire rope
- > Easily inspected or spliced in the field
- > Floats

**APPLICATIONS:**

- > Deepwater and ultra-deepwater lowering/lifting lines
- > Heave-compensated winch lines

DeepCool™ ASB has been designed to dramatically increase the fatigue resistance of our standard AmSteel®Blue construction when used in applications that are subjected to cyclic bending over sheave (CBOS). The engineered combination of fiber and coating technology result in a rope with significantly improved CBOS fatigue life for use in lifting/lowering operations that require the use of active heave compensation.

Lighter in weight, stronger, and more resistant to CBOS fatigue than the wire it replaces, DeepCool™ ASB is virtually weightless in seawater. Breaking length is no longer a limiting factor. Equipment can be engineered to handle the payload, not the rope when delivering subsea hardware to deepwater and ultra-deepwater sites. That means you can design with a smaller equipment footprint on crowded decks, have lighter overall equipment loads, and a reduced draw on precious power in operation.

DeepCool™ Technology reduces internal buildup of heat from cyclic bend over sheave operations, resulting in a rope that is stronger, lighter, and lasts longer than either wire ropes or untreated synthetic ropes.

**DEEP  
COOL™**



Size Diameter INCHES	Size Circumference INCHES	Size Diameter MILLIMETERS	Weight Per 100 feet POUNDS	Weight Per 100 meters KILOGRAMS	SRT MBS (spliced strength) POUNDS	SRT MBS (spliced strength) METRIC TONS	ISO/BS EN919 MBS METRIC TONS
2 in.	6 in.	48 mm	95.7 lb	142.0 kg	319,000 lb	145.0 t	161.0 t
2-1/8 in.	6-1/2 in.	52 mm	120.0 lb	178.0 kg	383,000 lb	174.0 t	193.0 t
2-1/4 in.	7 in.	56 mm	128.0 lb	190.0 kg	449,000 lb	204.0 t	226.0 t
2-1/2 in.	7-1/2 in.	60 mm	163.0 lb	242.0 kg	492,000 lb	223.0 t	248.0 t
2-5/8 in.	8 in.	64 mm	184.0 lb	273.0 kg	554,000 lb	251.0 t	279.0 t
3 in.	9 in.	72 mm	227.0 lb	337.0 kg	697,000 lb	316.0 t	351.0 t
3-1/4 in.	10 in.	80 mm	251.0 lb	373.0 kg	843,000 lb	382.0 t	425.0 t
3-5/8 in.	11 in.	88 mm	305.0 lb	453.0 kg	1,005,000 lb	456.0 t	507.0 t
4 in.	12 in.	96 mm	385.0 lb	573.0 kg	1,203,000 lb	546.0 t	606.0 t
4-1/4 in.	13 in.	104 mm	396.0 lb	589.0 kg	1,345,000 lb	610.0 t	678.0 t
4-3/4 in.	14 in.	112 mm	496.0 lb	738.0 kg	1,647,000 lb	747.0 t	830.0 t
5 in.	15 in.	120 mm	553.0 lb	823.0 kg	1,810,000 lb	821.0 t	912.0 t
5-1/4 in.	16 in.	128 mm	606.0 lb	902.0 kg	1,979,000 lb	898.0 t	997.0 t
5-3/4 in.	17 in.	136 mm	733.0 lb	1,090.0 kg	2,336,000 lb	1,060.0 t	1,178.0 t
6 in.	18 in.	144 mm	802.0 lb	1,193.0 kg	2,525,000 lb	1,145.0 t	1,273.0 t
6-1/4 in.	19 in.	158 mm	868.0 lb	1,292.0 kg	2,721,000 lb	1,234.0 t	1,371.0 t
6-3/4 in.	20 in.	168 mm	1,012.0 lb	1,506.0 kg	3,132,000 lb	1,421.0 t	1,579.0 t
7 in.	21 in.	178 mm	1,096.0 lb	1,630.0 kg	3,347,000 lb	1,518.0 t	1,687.0 t
7-1/4 in.	22 in.	184 mm	1,170.0 lb	1,742.0 kg	3,569,000 lb	1,619.0 t	1,799.0 t
7-3/4 in.	23 in.	194 mm	1,350.0 lb	2,009.0 kg	3,607,000 lb	1,636.0 t	1,818.0 t
8 in.	24 in.	203 mm	1,434.0 lb	2,135.0 kg	3,831,000 lb	1,738.0 t	1,931.0 t

**SPECIFICATIONS:**

**Specific Gravity:**  
1.00 (floats)

**Elastic Elongation Percentage:**

At % of break strength  
10% ..... 0.46%  
20% ..... 0.70%  
30% ..... 0.96%



Dyneema® is a registered trademark of Royal DSM N.V. Dyneema is DSM's high-performance polyethylene product.



**samson**  
THE STRONGEST NAME IN ROPE