

Characteristics of shackle U type of 50 mm type A

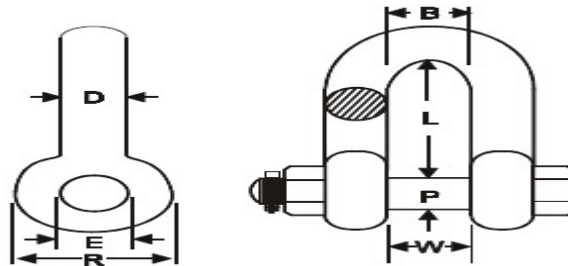


Table D-9. Mechanical Properties of Shackles (FED SPEC RR-C-271D).

Size (D)	Working Load Limit		Proof Load (Minimum)		Breaking Load (Minimum)	
	Pounds		Pounds		Pounds	
Inches	Grade A	Grade B	Grade A	Grade B	Grade A	Grade B
2	70,000	100,000	154,000	220,000	350,000	500,000

Given 350,000 lbs or 175 t of rupture point which is more than 140t or (5 x 28 bp) as required by tow.

Note:

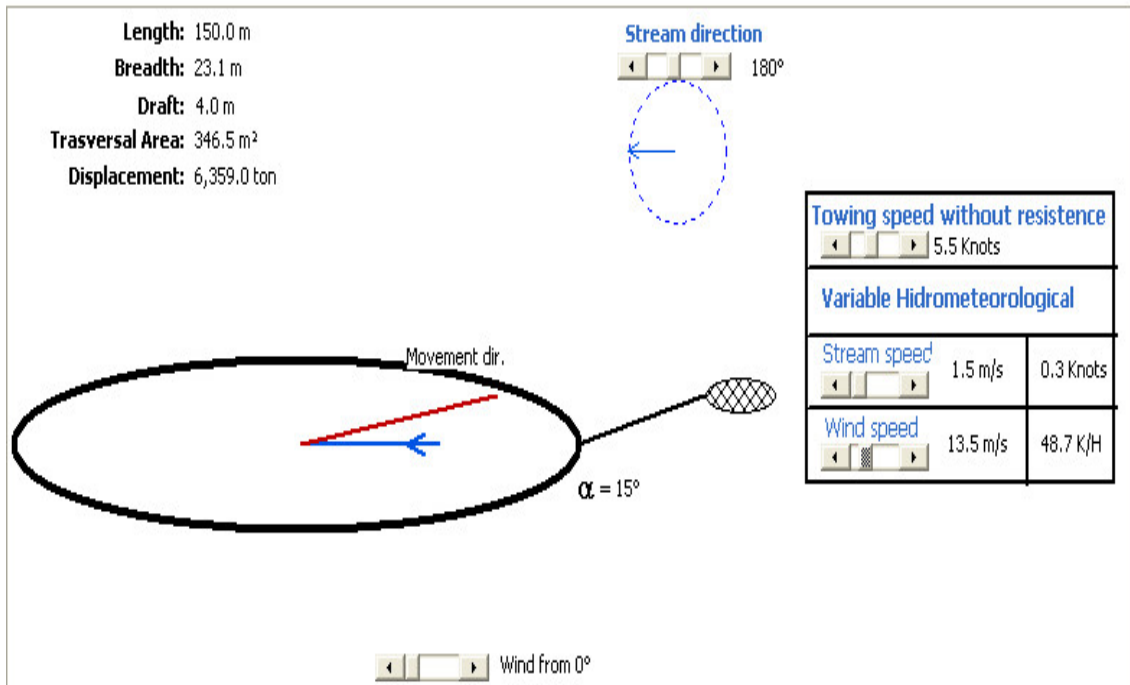
We use a factor of 5 for this tow safety factor.

Result of the calculations

BP /In Port: 11.1 ton

BP /Open sea: 24.8 ton

Aprox. Speed: 5.2 Knots



CDC 1 AND M/T FAITH

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