

# Choosing suitable MOORING ROPES

Example:

If a vessel's SDMBL is 75 tonnes:

$$75 \times 1.05 = 78.75$$

MBLSD (t) x 1.05 = right LDBF for your rope

The LDBF of a line shall be 100%–105% of the SDMBL.  
So, in this case rope's LDBF should be between 75 to 78.75

**Based on our calculations, correct diameter for this vessel (SDMBL 75t) is 68 mm, see the table:**

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF MEG4 (t)
40	5	165	33.2	29.88
44	5-1/2	195	40.2	36.18
48	6	226	47.3	42.57
50	6-1/4	247	51.5	46.35
52	6-1/2	269	55.6	50.04
56	7	309	63.8	57.42
60	7-1/2	350	72.6	63.27
64	8	401	79	71.1
68	8-1/2	454	86.7	78.03
72	9	506	97	87.3
80	10	640	117.9	106.11