DATASHE EFENDER

Specifically designed for use in the harshest working environments. The Defender is manufactured with a D12 Max 99 or D12 Max 78 core and a thin protective Dyneema cover that ensures optimum strength is maintained without significant diameter increase.

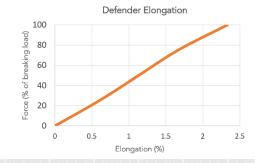
Manufactured using a 12x1 12-strand construction and colour coated with Marlow's propriatory ArmourCoat, the Defender's core undergoes our "Max" special heating and pre-stretching process which takes the Dyneema material to it's limits, but delivers class leading strength and low stretch.



The Dyneema cover is tough and cut resistant, but the contrasting core & cover colour provides clear retirement criteria if the cover is compromised. All Defender Ropes are factory terminated and machine finished and can be supplied with a choice of hook depending on the application.

Minimum Lines County ICO 2207													
Material	Nominal Diameter		Mass (Weight)		Minimum Linear Strength ISO 2307			Minimum Spliced Strength			Average Spliced Strength		
Dyneema®	mm	Inch	g/m	lb/100ft	kg	lb	kN	kg	lb	kN	kg	lb	kN
SK78	7	1/4	30.8	2.07	4,722	10,422	46.3	4,250	9,380	41.7	4,570	10,100	44.8
SK78	8	5/16	48.4	3.25	7,756	17,111	76.1	6,980	15,400	68.5	7,510	16,600	73.7
SK78	9	3/8	57.3	3.84	9,700	21,333	95.1	8,730	19,200	85.6	9,390	20,700	92.1
SK78	10	13/32	71.1	4.77	11,111	24,556	109	10,000	22,100	98.1	10,800	23,800	106
SK78	12	15/32	88.6	5.94	13,000	28,667	128	11,700	25,800	115	12,600	27,800	124
SK78	14	9/16	110	7.35	15,667	34,444	153	14,100	31,000	138	15,100	33,300	148
SK78	15	19/32	124	8.32	18,556	41,000	182	16,700	36,900	164	18,000	39,700	177
SK78	16	5/8	141	9.46	21,889	48,222	214	19,700	43,400	193	21,100	46,600	207
SK78	18	11/16	185	12.4	27,333	60,222	268	24,600	54,200	241	26,400	58,300	259
SK78	20	25/32	235	15.8	34,000	74,889	333	30,600	67,400	300	32,900	72,400	323

iviateriai	Nominal Diameter		iviass (weight)		minimum Emedi Strength 186 2867			minimum spileda strengtir			rivorago opilicoa otroligar			
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Ropes designed in accordance with ISO 10325:2018							Linear MBL refers to unspliced ropes determined in accordance with ISO2307:2019							



Temperature Creep Rate
16 Deg. C 0.5% / yr Dyneema® SK78 Load Creep Lifetime 20% 15 Years SK99 10 Years 20% 16 Deg. C 1.1% / yr

Key Specifications:

Material: Construction: Coating: Relative Density: Chemical Resistance: **UV Resistance: Melting Point: Critical Temperature:**

Creep:

Dyneema SK99 /SK78 12 x 1 single braid construction Marlow ArmourCoat Polyurathane 0.97 (floats) Excellent resistance to most chemicals Very good 140°C

80°C (exposure to temperatures over this will result in permanent strength loss) Creep is a factor of load, temperature and time.

Increasing any of these factors will increase creep

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