

Marlow[®] DATASHEET

K.E.R.R/ SNATCH ROPE

The K.E.R.R was designed and developed by Marlow and British forces to provide fast and effective recovery of armoured vehicles. It allows quick and easy deployment for rapid recovery without the need for special vehicles.



APPLICATIONS

Kinetic vehicle recovery (Snatch Recovery)

MATERIAL

MANUFACTURED FROM NYLON:

High elongation (gives good energy absorption)
Good resistance to most chemicals
Good UV resistance

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

8 STRAND BRAIDED CONSTRUCTION:

Improved abrasion resistance
Optimised pitch to yarn twist - improves strength and longevity
Firmer rounder rope, aids handling
Easy to splice
Flexible product and easily handled
Torque balanced

PROPERTIES

RELATIVE DENSITY:

1.14 Exact figure varies with diameter

CHEMICAL RESISTANCE:

Good resistance to most chemicals, except acids (additional information available on request)

UV RESISTANCE:

UV stabilised

MELTING POINT:

220°C

TERMINATIONS

SPLICED EYE TERMINATION:

Supplied terminated with protected spliced eyes each end

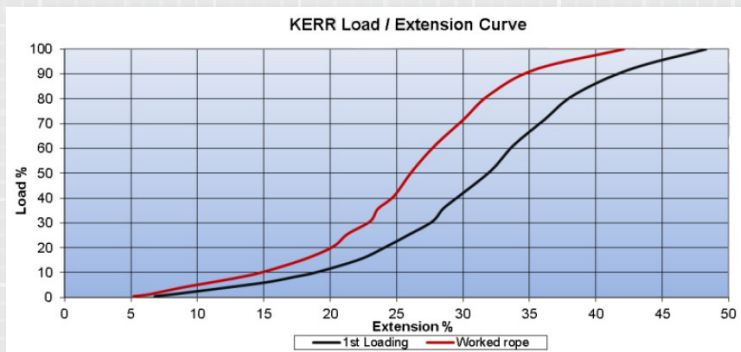
ELONGATION

Typical working elongation (for a bedded in a rope):

@ 10% of break load: 15-19%%

@ 20% of break load: 20-24%

To break: 42-48%



PERFORMANCE

PROPERTY	KERR
Diameter (mm)	24mm
Length (m)	8m
Mass (kg)	4kg
Minimum Static Strength (tonnes)	11.4 tonnes
Minimum Static Strength with spliced eye (tonnes)	10.3 tonnes
Material	Nylon
Max vehicle mass (recovering vehicle)	3 tonnes
Rope standard	BS EN ISO 1140:2012
Test standard	BS EN ISO 2307

DIAMETER		LENGTH		MASS		MIN SPLICED STRENGTH	
mm	Inch	m	ft	kg	lb	kg	lb
24	15/16	4.5	15'	2.84	6.3	12030	26500
24	15/16	8	26'	4.26	9.4	12030	26500
28	1 3/32	10	33'	7.28	16	15800	34800
32	1 1/4	12.2	40'	11.31	25	20000	44100
36	1 13/32	12.2	40'	14.4	32	24800	54700
40	1 9/16	13.7	45'	19.8	42	30000	66100
48	1 7/8	13.7	45'	28.4	63	42000	92600
52	2 1/6	13.7	45'	33.2	73	48800	108000
56	2 7/32	13.7	45'	36	78	56000	123000
64	2 17/32	15	49'	50.4	111	72000	159000
68	2 11/32	19	62'	65	143	79000	175000
72	2 27/32	21	69'	89	197	90000	198000
80	3 5/32	21	69'	110	243	110000	243000

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Certification Number 315

ISO 9001