

Marlow

SUPERLINE HS

Marlow Superline HS is a high strength, low elongation “jacketed” rope that is a lightweight alternative to steel wire. Firm and round in profile, Superline HS has excellent drum spooling properties and is available with a polyester jacket, or an HMPE jacket offering outstanding cut and abrasion resistance. Other cover and coating options are also available which can improve abrasion and cut resistance, protect the load bearing core and improve the rope’s coefficient of friction.

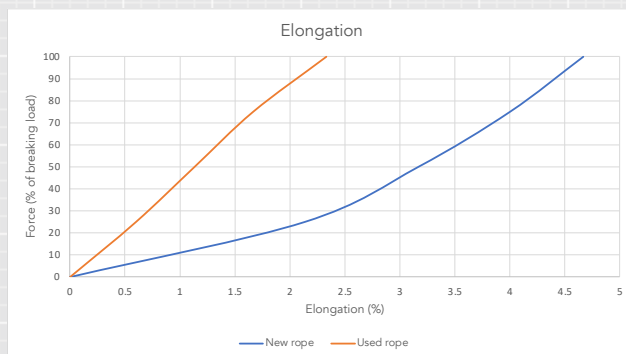


Available with an SK75, SK78 or SK99 Dyneema® core, which offers class leading quality and consistency and comes with decades of proven project success and lifetime reliability. In addition, the technical and data support from the experts at Dyneema® and Bio-Dyneema sustainability ensures a product of superior quality & performance.

Nominal Diameter		Mass		Dyneema® SK75 / SK78			Dyneema® SK75 / SK78			Dyneema® SK99			Dyneema® SK99		
				Minimum Linear Strength ISO 2307			Minimum Spliced Strength			Minimum Linear Strength ISO 2307			Minimum Spliced Strength		
mm	Inch	kg/m	lb/100 ft	kg	lb	kN	kg	lb	kN	kg	lb	kN	kg	lb	kN
22	7/8	0.35	23	29,547	65,138	290	26,861	59,216	264	35,161	77,514	345	31,964	70,468	314
24	1	0.39	25	36,933	81,423	362	33,576	74,021	329	43,951	96,893	431	39,955	88,084	392
26	1 1/16	0.49	32	44,320	97,707	435	40,291	88,825	395	52,741	116,272	517	47,946	105,701	470
28	1 1/8	0.53	35	51,707	113,992	507	47,006	103,629	461	61,531	135,650	604	55,937	123,318	549
30	1 1/4	0.61	40	66,480	146,561	652	60,436	133,237	593	79,111	174,407	776	71,919	158,552	706
32	1 5/16	0.69	45	68,942	151,989	676	62,675	138,172	615	82,041	180,867	805	74,583	164,424	732
34	1 3/8	0.94	61	81,253	179,130	797	73,867	162,845	725	96,691	213,164	949	87,901	193,786	862
36	1 1/2	0.94	61	81,253	179,130	797	73,867	162,845	725	96,691	213,164	949	87,901	193,786	862
38	1 9/16	1.02	67	96,027	211,699	942	87,297	192,453	856	114,272	251,922	1,121	103,883	229,020	1,019
40	1 5/8	1.10	72	110,800	244,268	1,087	100,727	222,062	988	131,852	290,679	1,293	119,865	264,253	1,176
42	1 11/16	1.23	80	132,960	293,121	1,304	120,873	266,474	1,186	158,222	348,815	1,552	143,838	317,104	1,411
44	1 3/4	1.31	85	147,733	325,691	1,449	134,303	296,082	1,318	175,803	387,572	1,725	159,820	352,338	1,568
46	1 7/8	1.35	88	155,120	341,975	1,522	141,018	310,886	1,383	184,593	406,950	1,811	167,812	369,955	1,646
48	2	1.55	101	162,507	358,260	1,594	147,733	325,691	1,449	193,383	426,329	1,897	175,803	387,572	1,725
50	2 1/16	1.80	117	177,280	390,829	1,739	161,164	355,299	1,581	210,963	465,086	2,070	191,785	422,806	1,881
52	2 1/8	1.96	128	206,827	455,967	2,029	188,024	414,515	1,845	246,124	542,600	2,414	223,749	493,273	2,152
54	2 3/16	2.04	133	221,600	488,536	2,174	201,454	444,123	1,976	263,704	581,358	2,587	239,731	528,507	2,352
56	2 1/4	2.12	138	236,373	521,105	2,319	214,885	473,732	2,108	281,284	620,115	2,759	255,713	563,741	2,509
58	2 3/8	2.21	143	251,146	553,674	2,464	228,315	503,340	2,240	298,864	658,872	2,932	271,695	598,974	2,665
60	2 1/2	2.37	154	280,693	618,812	2,754	255,176	562,556	2,503	334,025	736,386	3,277	303,659	669,442	2,979
62	2 9/16	2.45	159	295,466	651,381	2,899	268,606	592,165	2,635	351,605	775,143	3,449	319,641	704,676	3,136
64	2 5/8	2.70	175	310,240	683,950	3,043	282,036	621,773	2,767	369,185	813,901	3,622	335,623	739,910	3,292
66	2 21/32	2.86	186	339,786	749,088	3,333	308,897	680,989	3,030	404,346	891,415	3,967	367,587	810,377	3,606
68	2 11/16	3.02	196	369,333	814,226	3,623	335,757	740,206	3,294	439,506	968,929	4,312	399,551	880,845	3,920
70	2 3/4	3.18	207	398,880	879,364	3,913	362,618	799,422	3,557	474,667	1,046,444	4,656	431,515	951,312	4,233
72	2 13/16	3.34	217	428,426	944,502	4,203	389,478	858,639	3,821	509,827	1,123,958	5,001	463,479	1,021,780	4,547
74	2 31/32	3.51	228	457,973	1,009,641	4,493	416,339	917,855	4,084	544,988	1,201,472	5,346	495,443	1,092,248	4,860
76	3 1/8	3.67	238	487,520	1,074,779	4,783	443,200	977,072	4,348	580,148	1,278,987	5,691	527,408	1,162,715	5,174
78	3 5/32	3.83	249	517,066	1,139,917	5,072	470,060	1,036,288	4,611	615,309	1,356,501	6,036	559,372	1,233,183	5,487
80	3 3/16	3.99	260	546,613	1,095,504	5,362	496,921	1,095,504	4,875	650,469	1,434,015	6,381	591,336	1,303,650	5,801

Ropes designed in accordance with ISO 10325:2018

Linear MBL refers to unspliced ropes determined in accordance with ISO 2307:2019



Dyneema®	Load	Temp.	Creep Rate	Creep Lifetime
SK75	20%	16 Deg. C	2.3% / yr	7 Years
SK78	20%	16 Deg. C	0.5% / yr	15 Years
SK99	20%	16 Deg. C	1.1% / yr	10 Years

Key Specifications:

- Material:** Dyneema SK75/ 78/99
- Construction:** 12 strand core / 24 plait cover
- Cover:** HMPE or Polyester
- Relative Density:** 0.97 (HMPE cover), ~1.0 (PES Cover)
- Chemical Resistance:** Excellent resistance to most chemicals
- UV Resistance:** Very good
- Melting Point:** 140°C
- Critical Temperature:** 80°C (exposure to temperatures over this will result in permanent strength loss)
- Creep:** Creep is a factor of load, temperature and time. Increasing any of these factors



Certification Number 315
ISO 9001

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