

Catalogue 2020

armare[®]
ropes



PERFORMANCE

HEAT PRESTRETCH PROCESS TECHNOLOGY

Our Dyneema® cores are heat pre-stretched to minimize elongation (both the elongation that occurs after first use and over extended periods of time). The process involves applying heat to the rope while it's stretched: a method which "stabilizes" the ropes fibers and balances internal tensions. The end result is a much stiffer (elongation-wise), stronger rope compared to the alternative non-treated ropes of the same diameter.

The new **HYPER** cores undergo a second treatment to further increase this qualities, as well as the **LONG-LASTING** coating.

HYPER	HEAT PRESTRETCH PROCESS	(HYPER 99)	
SUPER	HEAT PRESTRETCH PROCESS	(SUPER GP 99, SUPER GP 78, SUPER GP 20)	

LONG-LASTING POLYURETHANE COATING TREATMENT

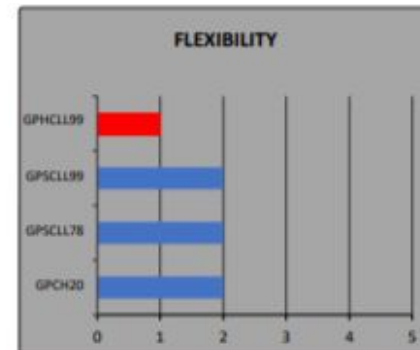
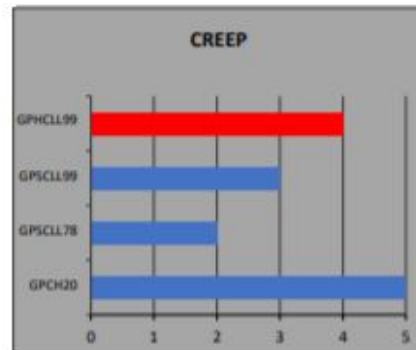
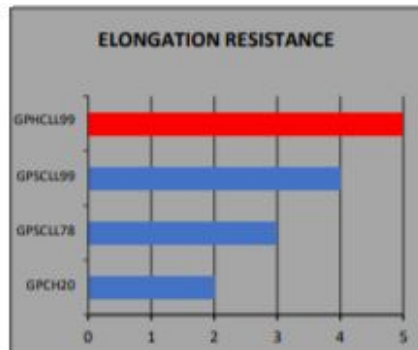
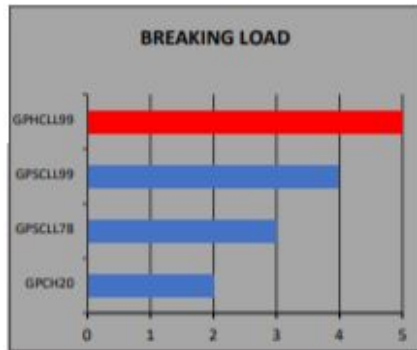
This treatment increases abrasion-resistance, tightens the braid and enables the rope to be easily spliced and used without a cover.

The coating is applied on the single yarn, a process which extends rope-life and guarantees color-holding.

BLACK LONG-LASTING POLYURETHANE COATING	(HYPER 99, SUPER GP 99, SUPER GP 78)	
GREY POLYURETHANE COATING	(SUPER GP 99, SUPER GP 78, SUPER GP 20)	



Catalogue 2020 - Performance



Dyneema® Cores

HYPER 99

DYNEEMA®SK99 **HYPER** HEAT PRESTRETCHED

FEATURES

MATERIAL:	DYNEEMA® SK99	
CONSTRUCTION:	12 STRAND	EXTRA LONG PITCH STRAND
TREATMENTS:	HYPER HEAT PRESTRETCH PROCESS	BLACK LONG-LASTING POLYURETHANE COATING
FEATURES:	HYPER STRENGTH	HYPER ELONGATION RESISTANCE
APPLICATIONS	BEST STATIC FEATURE	SOFT STAYS, HALYARDS, GUYS, STROPS

ø	BREAKING LOAD	WEIGHT	Code
(mm)	[kg]	[g/m]	[-]
2,5	1.444	6,02	HY99-25
3,0	2.200	9,63	HY99-30
3,5	3.000	11,20	HY99-35
4,5	4.365	18,05	HY99-45
5,5	6.320	22,86	HY99-55
6,5	8.236	27,50	HY99-65
7,5	10.027	38,80	HY99-75
8,5	12.687	48,13	HY99-85
9,5	14.964	58,80	HY99-95
10,5	16.814	62,00	HY99-105
11,5	18.573	77,00	HY99-115

HYPER 99

BREAKING LOAD	★★★★★
ELONGATION RESISTANCE	★★★★★
CREEP RESISTANCE	★★★★★
FLEXIBILITY	★★★★★



SUPER GP 99

DYNEEMA®SK99 **SUPER** HEAT PRESTRETCHED

FEATURES

MATERIAL:	DYNEEMA® SK99	
CONSTRUCTION:	12 STRAND	LONG PITCH STRAND
TREATMENTS:	SUPER HEAT PRESTRETCH PROCESS	LONG-LASTING POLYURETHANE COATING
FEATURES:	SUPER STRENGTH	SUPER ELONGATION RESISTANCE
APPLICATIONS	STATIC & DYNAMIC FEATURES	HALYARDS, SHEETS, GUYS, STROPS

SUPER GP 99


BREAKING LOAD	★★★★★
ELONGATION RESISTANCE	★★★★★
CREEP RESISTANCE	★★★★★
FLEXIBILITY	★★★★★



ø	BREAKING LOAD	WEIGHT	Code
(mm)	[kg]	[g/m]	[-]
3	1.472	6,02	GP99-30
3,5	2.243	9,63	GP99-35
4	3.058	11,20	GP99-40
5	4.365	18,05	GP99-50
6	6.320	22,86	GP99-60
7	8.236	27,50	GP99-70
8	10.027	38,80	GP99-80
9	12.687	48,13	GP99-90
10	14.964	58,80	GP99-100
11	16.814	62,00	GP99-110
12	18.573	77,00	GP99-120

SUPER GP 78		<i>DYNEEMA®SK78 SUPER HEAT PRESTRETCHED</i>			
FEATURES		Ø	BREAKING LOAD	WEIGHT	Code
MATERIAL:	DYNEEMA® SK78	(mm)	[kg]	[g/m]	[-]
CONSTRUCTION:	12 STRAND	3	1.413	6,80	GP78-30
TREATMENTS:	SUPER HEAT PRESTRETCH PROCESS	3,5	1.674	8,20	GP78-35
FEATURES:	HIGH STRENGTH	4	2.294	10,10	GP78-40
APPLICATIONS	HALYARDS, SHEETS, CASCADES	5	3.147	15,30	GP78-50
		6	5.092	24,00	GP78-60
		7	6.524	31,10	GP78-70
		8	7.543	38,20	GP78-80
		9	9.684	51,10	GP78-90
		10	11.825	60,00	GP78-100
		11	13.354	77,00	GP78-110
		12	16.310	94,00	GP78-120


SUPER GP 78	
BREAKING LOAD	★★★★☆
ELONGATION RESISTANCE	★★★★☆
CREEP RESISTANCE	★★★★☆
FLEXIBILITY	★★★★☆



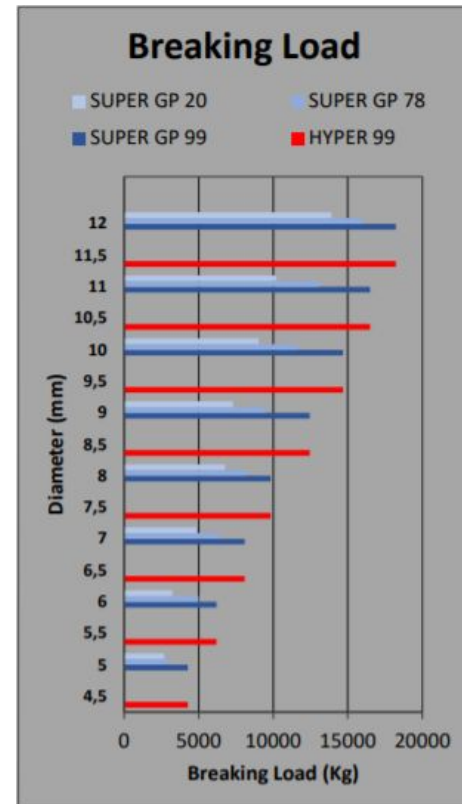
LONG PITCH

SUPER GP 20		<i>DYNEEMA®DM20 SUPER HEAT PRESTRETCHED</i>			
FEATURES		Ø	BREAKING LOAD	WEIGHT	Code
MATERIAL:	DYNEEMA® DM20	(mm)	[kg]	[g/m]	[-]
CONSTRUCTION:	12 STRAND	4	1.916	9,28	GP20-40
TREATMENTS:	SUPER HEAT PRESTRETCH PROCESS	5	2.701	14,06	GP20-50
FEATURES:	NO CREEP, GOOD RESISTANCE	6	3.231	19,76	GP20-60
APPLICATIONS	STATIC APPLICATIONS WITH LOW CREEP	7	4.842	27,60	GP20-70
	STAYS, SMALL SHROUDS, STATIC CABLES	8	6.765	35,86	GP20-80
		9	7.288	42,95	GP20-90
		10	9.021	50,00	GP20-100
		11	10.194	62,50	GP20-110
		12	13.904	75,80	GP20-120

SUPER GP 20	
BREAKING LOAD	★★★★☆
ELONGATION RESISTANCE	★★★★☆
CREEP RESISTANCE	★★★★☆
FLEXIBILITY	★★★★☆



LONG PITCH



Other Core

SPECTRA® + PU

FEATURES			CORE		CORE + ALL COVERS	PET	PET/CRD
MATERIAL:	SPECTRA®		Ø	BREAKING LOAD	WEIGHT	WEIGHT	
CONSTRUCTION:	12 STRAND BEAR CORE	8 STRAND COVERED	(mm)	[kg]	[g/m]	[kg]	[g/m]
PROCESSING:	POLYURETHANE COATING		3	510	6,20	-	-
			4	1,407	12,00	-	-
			5	2,141	19,00	-	-
FEATURES:	GOOD RESISTANCE		6	2,956	26,00	1,121	25,74
APPLICATIONS:	TACKLE SYSTEM	HALYARD, SHEET, GUYS	7	4,495	35,00	-	-
			8	5,596	45,00	1,886	46,53
			9	6,667	51,00	-	-
			10	9,225	73,00	2,956	72,27
			12			4,893	94,05
			14			6,218	132,66
			16			8,563	170,28
			18			10,703	219,78
			20			12,334	275,22

SPECTRA®









BREAKING LOAD	★★★★☆
ELONGATION RESISTANCE	★★★★☆
CREEP	★★★★☆
FLEXIBILITY	★★★★☆



PROROPE

FEATURES			Ø	BREAKING LOAD	WEIGHT
MATERIAL:	CORE POLYESTER	COVER POLYESTER	(mm)	[kg]	[g/m]
CONSTRUCTION:	TWISTED POLYESTER YARN		4	204	13,75
			5	357	23,33
APPLICATIONS:	MOUSE LINE, ANCHOR SMALL BOAT, GENERAL PURPOSE		6	469	28,33
			7	683	39,27
			8	897	56,75
			10	1,223	86,67
			12	1,733	120,00
			14	2,273	160,00
			16	3,058	210,00
			18	3,874	240,00

Covers Materials

PBO-ZYLON® + DYNEEMA	
PBO, one of the strongest rope-making materials available, increases abrasion resistance while Dyneema ensure a rope's fluidity when eased, under load, on a winch. The best you can ask for ropes that take on high loads and temperatures with aggressive ease and trim. They are great as runners tails, genoa and gennaker sheets.	
BLACK TECHNORA® + DYNEEMA®	
Technora and Dyneema are two of the strongest fibres in terms of durability and performance. The combination of the two fibres makes for ropes that are hard-wearing, easy to handle and possess an excellent abrasion resistance. They are ideal for high-friction areas like performance winches and are well suited for situations in which the cover is constantly "under load".	
KEVLAR® + DYNEEMA®	
The combination of Kevlar and Dyneema, in appropriate proportions, makes for a top-quality cover. It's also a good alternative to a PBO/DYN cover if loads are lower but tight/ease cycles high in frequency. Tested while match-racing on high-caliber race boats our Kevlar+Dyneema ropes have proven that the fibre's characteristics compensate each other flawlessly.	
BLACK TECHNORA® + DYNEEMA® + POLYESTER HT	
This blend is highly versatile as the polyester makes this cover easy to customize. Slightly less stronger compared to a BTEC+DYN cover when used heavily, but has an excellent resistance to abrasion and minimizes bending cycles. Improved grip on stoppers and performance winches, so great as halyards, sheets and furling lines.	
KEVLAR® + DYNEEMA® + POLYESTER HT	
Although similar to TEC+DYN+PET, the Kevlar+Dyneema+Polyester mix is better suited for HIGH load and high-speed maneuvers where a lot of heat is generated. It has a higher heat resistance due to the high melting point of Kevlar and possesses a powerful grip. However, UV resistance is lower compared to BTEC+DYN+PET-made covers.	
FULL DYNEEMA®	
Dyneema, lightweight and hard-wearing, is ideal for areas with high static friction, such as the tip of a halyard, sheet, core of a loop or stop. Covers can be coated with a Polyurethane-based resin, and customized in a variety of colors. Alternatively an epoxy resin can be applied for special applications like guys, bobstays or deflector strops.	
TECHNORA®	
Usually used as a surgaine to increase the grip on clutch or Jammer action.	
PBO-ZYLON®	
Provides the best available grip on clutches, stoppers or jammers and possesses the highest abrasion and heat resistance properties of the fibers actually in commerce.	



MOORING

Mooring Line

STORM LINE

FEATURES		STORM LINE		
MATERIAL:	CORE Polyester	COVER Polyester		
CONSTRUCTION :	Balanced Twist Polyester		Ø (mm)	BREAKING LOAD (kg)
APPLICATIONS	Ideal for maxi yachts and as an emergency or long mooring line for small and medium-sized yachts.			WEIGHT (g/m)
Standard Color	White, Black, Navy Blue		14	4,281
Special Color	Silver Grey, Hemp, Red, Old English Green, Burgundy		16	4,995
			18	5,505
			20	8,665
			22	11,825
			24	13,761
			26	14,883
			28	18,858
			30	20,387
			32	24,057
			36	25,994
			40	31,600
			44	36,697
			48	41,590
			52	50,866



SEA KING

FEATURES		SEA KING		
MATERIAL:	CORE Polyester			
CONSTRUCTION :	3 Strand braid Polyester		Ø (mm)	BREAKING LOAD (kg)
APPLICATIONS	The best choice for permanent moorings. Suitable for all yacht sizes.			WEIGHT (g/m)
Standard Color	White, Black, Navy Blue		8	1,295
Special Color	Silver Grey, Hemp, Red, Old English Green, Burgundy		10	1,713
			12	2,854
			14	3,670
			16	4,383
			18	5,505
			20	6,830
			22	8,461
			24	9,888
			26	11,315
			28	12,283
			30	13,660
			32	15,698
			36	19,369
			40	23,955



STORM LINE PLUS

FEATURES		STORM LINE PLUS		
MATERIAL:	CORE Dyneema® SK78	COVER Polyester		
CONSTRUCTION :	Balanced Twist Dyneema® SK78		Ø (mm)	BREAKING LOAD (kg)
APPLICATIONS	The rope's Dyneema® core significantly enhances strength			WEIGHT (g/m)
Standard Color	White, Black, Navy Blue		20	18,552
Special Color	Silver Grey, Hemp, Red, Old English Green, Burgundy		22	24,873
			24	30,581
			26	37,717
			28	45,872
			30	53,007
			32	62,181
			36	80,530
			38	89,704
			40	101,427



SECURE LINE

FEATURES		SECURE LINE		
MATERIAL:	CORE 100 % Dyneema® SK78			
CONSTRUCTION :	8 Strand braid Dyneema® SK78		Ø (mm)	BREAKING LOAD (kg)
FEATURES:	High breaking load, light, able to float, low elongation, almost zero water absorption, high visibility, high resistance to abrasion			WEIGHT (g/m)
APPLICATIONS	Emergency anchoring and mooring, long mooring from boat to land, towing line.		10	10,194
			12	12,742
			14	15,291
			16	18,349
			20	23,445
			24	28,542
			28	34,659
			32	39,755
			36	45,872
			40	50,968
			44	56,065
			48	61,162

