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www.kord.com.tr



Technical Ropes for Sailing



ABOUT US

Since its establishment in 1986, Kord Endüstriyel improves its product quality and product range in order to answer changing customer needs and expectations. As the sector leader in Turkey for technical cords, Kord Endüstriyel is spread out in 7,500 m² indoor area including head-office, production area and warehouse, currently serving its products to customers and distributors all around Turkey as well as over 45 countries around the world.

With one of the largest braiding capacity in the region, Kord Endüstriyel highly invests on improving its know-how, machine park quality on finishing applications for yarn, cord and ropes.

As a result of these investments Kord Endüstriyel proved itself as a reliable partner in industries such as performance sailing, industrial solutions, outdoor sports, textile and shoe.

Production Plant
Cumhuriyet Mah.
Vize Cad. Çakıllı,
Kırklareli / Turkey



Production Capabilities

- With over 1,200 braiding heads and a capacity of over 40,000,000 mt/month for 0.6 – 30 mm cords,
- Kord has one of the largest braiding capacities in Europe and produces braided ropes and cords enough to encircle the world every month.
- The large variety of braiding machines enables Kord to produce customized products for its customers.
- Special Finishing machines for specific applications

Human Resources

- +150 employees with an average of 8+ years of experience in the field
- +15 years average experience in managerial positions.

Capabilities

Kord believes a good production facility does not only consists of high-tech machines but also from individuals with experience and desire to improve and expand their capabilities. With this understanding Kord invests on qualified human resource as well as improvement of it's machine park.

Head Office

İstanbul, Eyüp Bulvarı
No: 29 Topçular
Kord Building, Turkey

KORD
Kord Endüstriyel İp ve İplik San. Tic. A.Ş.



R&D

- Lighter, safer, more durable products
- Together with R&D, Kord highly invests in improving its know-how, machine park quality in finishing applications for threads, cords and ropes.
- Kord continuously works on applying innovative production technologies and advanced technical textile products to its product range.
- With the use of technical fibers such as HMPE, LCP, Aramids and Carbon, Kord can develop lighter, safer and more durable braids and composites.

INDEX

RACING

9

PERFORMANCE

17

DINGHIES

20

MOORING & DOCKING

23

WATER SPORTS

26

SAILMAKERS

29

ACCESSORIES

33

MATERIALS FOR ULTIMATE PERFORMANCE

Honeywell
Spectra® fiber

Dyneema®

Vectran®

HT
Polyamide

HT
Polyester

Twaron® Technora®

	TENACITY (gr / den)	ELONGATION AT BREAK (%)	SPECIFIC GRAVITY (gr / cm ³)	UV RESISTANCE	FRICTION COEFFICIENT	ABRASION RESISTANCE	MELTING POINT (C •)
HIGH TENACITY POLYAMIDE	9,0	25,0	1,14	VERY GOOD	0,14	GOOD	235
HIGH TENACITY POLYESTER	9,0	15,0	1,38	EXCELLENT	0,14	EXCELLENT	250
DYNEEMA, SPECTRA 900 - UHMWPE (ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE)	32,0	4,0	0,98	EXCELLENT	0,06	VERY GOOD	140
DYNEEMA, SPECTRA 1000 - UHMWPE	36,0	3,5	0,98	EXCELLENT	0,06	VERY GOOD	140
DYNEEMA, SPECTRA 2000 - UHMWPE	40,0	3,0	0,98	EXCELLENT	0,06	VERY GOOD	140
VECTRAN - LIQUID CRYSTAL POLYMER	26,0	3,0	1,40	FAIR	0,14	VERY GOOD	330
TECHNORA, TWARON, KEVLAR - ARAMID	28,0	5,0	1,44	FAIR	0,14	FAIR	500

TREATMENTS FOR ULTIMATE PERFORMANCE

HEAT TREATMENT PROCESS

Heat Stretching Spectra® fibers at high temperatures to improve elongation and tensile strength properties.

MARINE CHEMICAL FINISH

Marine Finish application on polyester cover to reduce yarn on yarn abrasion and to gain softness.

PRE-STRECHING TECHNOLOGY

Pre-Stretching, to reduce initial elongation of the ropes.

POLYURETHANE COATING TECHNOLOGY

Polyurethane coating for Spectra® Core, to improve abrasion resistance of Spectra® Core.

Rope Size (mm) with Respect to Boat Length

	<25ft (<8 m)	25-30 ft (8-9 m)	30-35 ft (9-10.5 m)	35-40 ft (10.5-12 m)	40-45ft (12-13.5 m)	45-50 ft (13.5-15 m)	>50 ft (>15 m)
Genoa / Jib Halyard	8	10/8	10	12/10	12	14/12	16/14
Genoa / Jib Sheet	10/8	10/8	12/10	12/10	12	14/12	16/14
Main Halyard	8	10/8	10	10	12	14/12	14
Main Sheet	10/8	10/8	10/8	12/10	12/10	14/12	16/14
Spinnaker Halyard	8	8	10/8	10	10	12	14
Spinnaker Sheet	8	8	10/8	10	12/10	12	14/12
Spinnaker Guy	8	8	10	10	12	14	14

*The information provided is for reference purposes and may vary for different boat models.

Rope Length with Respect to boat / mast / boom length

Sheets

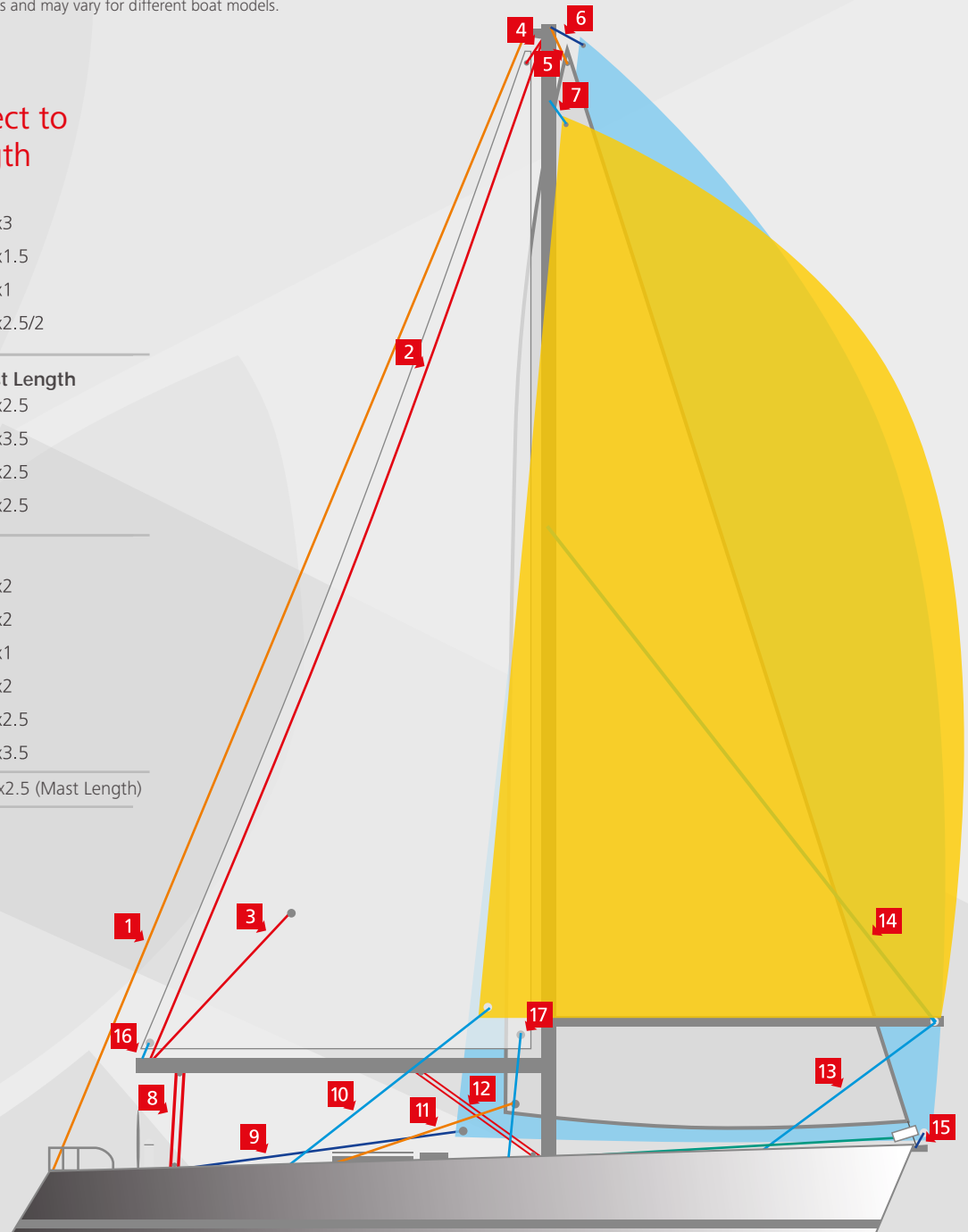
Main Sheet	x3
Genoa Sheet	x1.5
Jib Sheet	x1
Spinnaker sheet / Guy	x2.5/2

Halyards

	Mast Length
Main Halyard	x2.5
Main Halyard Double	x3.5
Spinnaker / Gennaker	x2.5
Genoa / Jib Halyard	x2.5

Control Lines

Main Outhaul	x2
Kicking Strap	x2
Cunningham	x1
Boom Vang	x2
Reefing Lines - Reef 1	x2.5
Reefing Lines - Reef 2	x3.5
Top Lift	x2.5 (Mast Length)



- | | | | | |
|----------------------------|---|---------------------------------------|-----------------------------|----------------------|
| 1 Backstay | 5 Genoa Halyard | 9 Asymmetrical Spinnaker Sheet | 13 Foreguy | 17 Cunningham |
| 2 Boom Topping Lift | 6 Asymmetrical Spinnaker Halyard | 10 Symmetrical Spinnaker Guy | 14 Pole Topping Lift | |
| 3 Reefing Line | 7 Symmetrical Spinnaker Halyard | 11 Genoa Sheet | 15 Furling Line | |
| 4 Main Halyard | 8 Main Sheet | 12 Boom Vang | 16 Main Outhaul | |

TECHNICAL INFORMATION

Average Breaking Loads (kg)

Ø (mm)	HERON	ULTRAGUARD - BLEND	SPECGUARD - RACE	SPECGUARD - EXTREME	VECTGUARD	KORDSPEC - EXTREME	KORDVECT
4							
5						3200	
6	1050		2200			4200	2800
8	1350	2750	3900	4950	3400	6300	6500
10	2400	3800	5200	7400	6800	8900	8800
11						11200	
12	3200	5250	7800	9900	9100	12800	10800
13							
14	4500	6550	10200	12450	11000	15900	
16	6300		13500			19600	
18	7400		19250			21000	25000
20	9500		23000				
22	10500						



YARIŞ

PERFORMANS

GEZİNTİ

HALYARDS

MAIN, GENOA, SPINNAKER HALYARDS & BACKSTAYS

VECTGUARD
KORDVECT

SPECGUARD EXTREME
SPECGUARD RACE
KORDSPEC EXTREME

ULTRAGUARD BLEND
HERON

SHEETS

MAIN, GENOA, SPINNAKER SHEET

KORDSPEC EXTREME
SPECGUARD EXTREME
SPECGUARD RACE

SPECGUARD RACE
ULTRAGUARD BLEND
HERON

HERON

CONTROL LINES

CUNNINGHAM, FOREGUY, REEFING, BOOM VANG, TOPPING LIFT, MAIN OUTHHAUL

KORDSPEC EXTREME
SPECGUARD EXTREME
SPECGUARD RACE

SPECGUARD RACE
ULTRAGUARD BLEND
HERON

HERON

Colour codes consists of four components

1 Digit	2 Digit	2 Digit	2 Digit
Cover Material	Pattern Code	Base Color	Second Color (If exists)

EXAMPLE

P	11	03	08
Polyester	Half / Half	Blue	White

Rope Pattern

Flat

00



1 Fleck

01



2 Fleck

02



3 Fleck

03



4 Fleck

04



5 Fleck

Half / Half

Half / 3 Renk

Mottled

05



11



12



13



Polyester (P)

Red	01	
Green	02	
Blue	03	
Navy Blue	04	
Beige	05	
Grey	06	
Pink	07	
White	08	
Yellow	09	
Orange	10	
Black	11	
Dark Green	12	

Poliamide (N)

White	60	
Black	61	
Golden	62	
Grey	63	
Blue	64	
Light Red	65	
Green	66	

Spectra (S)

White	40	
Grey	41	
Dark Grey	42	
Orange	43	
Green	44	

Vectran & Twaron (V)

Raw	90	
Red	92	



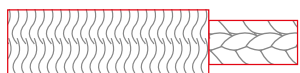




RACING

RACING

■ SpecGuard - Extreme / Halyards - Sheets - Control Lines



Honeywell
Spectra® fiber



Cover: High Tenacity Polyester 24/32 Braid (Depending on size)
Core: 100% Spectra® 1000 Fibers with 12 braid construction

Properties:

- Requires very good splice knowledge
- Very good abrasion resistance
- Highest Spectra / Polyester ratio on Spec Guard series
- Highly recommended for sheets, control lines and halyards
- Low stretch, high tensile strength and lightweight
- Highly UV resistant



P0001



P0002



P0003



P0005



P130802



P130801

SpecGuard Extreme

Ø (mm)	8	10	12	14
Average Breaking Load (kg)	4950	7400	9900	12450
kg / 100 m	4.4	5.7	8.4	12.4

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:



■ SpecGuard - Race / Halyards - Sheets - Control Lines



Honeywell
Spectra® fiber



Cover: High Tenacity Polyester 16/24/32
Core: 100% Spectra 1000 Fibers with 12 braid construction

Properties:

- Requires moderate splice knowledge
- Highly recommended for sheets and control lines
- Recommended for halyards
- Low stretch, high tensile strength and light weight
- Highly UV resistant
- Very good abrasion resistance



P030108



P030208



P030308



P030608



P130802



P130801



P130803



P130806

SpecGuard Race

Ø (mm)	6	8	10	12	14	16	18	20
Average Breaking Load (kg)	2200	3900	5200	7800	10200	12500	15500	19200
kg / 100 m	2.6	4.3	6.3	9.1	12.3	14.7	21.0	24.0

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:

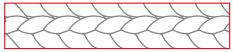




RACING

RACING

KordSpec - Extreme / Halyards - Sheets - Backstays - Control Lines



Honeywell
Spectra® fiber

Core: %100 Spectra 1000 Fibers with 12 braid construction



Properties:

- Requires basic splice knowledge
- Highly recommended for sheets, backstays and halyards
- Highest tensile strength / weight ratio
- Very low stretch, very high tensile strength and very light weight



S0044



S0040



S0041

KordSpec Extreme

Ø (mm)	5	6	8	10	11	12	14	16	18
Average Breaking Load (kg)	3200	4200	6300	8900	11200	12800	15900	19600	21000
kg / 100 m	1.5	2.1	3.3	4.7	6.0	7.8	10.5	14.0	15.9

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:



VectGuard / Halyards



Vectran

Cover: High tenacity polyester 16/24 braid (Depending on size)
Core: %100 Vectran Fibers with 12 braid construction



Properties:

- Requires good splice knowledge
- Highly recommended for halyard
- Zero creep (No elongation under constant weight)
- Very low stretch, very high tensile strength



P050502



P050501

VectGuard

Ø (mm)	8	10	12	14
Average Breaking Load (kg)	3400	6800	9100	11000
kg / 100 m	5.2	7.8	10.9	13.6

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:





RACING



Vectran®



V0090



V0092

Core: %100 Vectran® Fibers with 12 braid construction

Properties:

- Requires basic splice knowledge
- Highly recommended for halyards
- Zero creep
- Very low stretch, very high tensile strength
- Should be kept away from direct sunlight

KordVect

Ø (mm)	6	8	10
Average Breaking Load (kg)	2800	6500	8800
kg / 100 m	2.2	5.0	6.3

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:

POLYURETHANE
COATING
TECHNOLOGY





RACING

RACING

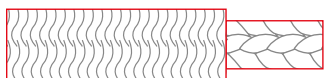




PERFORMANCE

PERFORMANCE

UltraGuard Blend / Sheets - Control Lines



P110801



P110803



P110802



P110806



P110810



P110811



P0001



P0002

Cover: High Tenacity Polyester 16/24 braid (depending on size)
Core: UHMWPE - HT Polyester blend with 12 braid construction

Properties:

- Requires moderate splice knowledge
- Highly recommended for sheets and control lines
- Low stretch, high tensile strength and light weight
- Highly UV resistant

UltraGuard Blend

Ø (mm)	6	8	10	12	14
Average Breaking Load (kg)	1900	2750	3800	5250	6550
kg / 100 m	2.8	4.5	7.2	9.5	14.0

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:

POLYURETHANE
COATING
TECHNOLOGY

PRE-STRECHING
TECHNOLOGY

MARINE
CHEMICAL
FINISH

Heron / Sheets - Halyards - Control Lines



P040108



P040308



P040908



P040208



P041008



P130802



P130801



P130803

Cover: High tenacity polyester 16/24 braid (depending on size)
Core: High tenacity polyester with 12 braid construction

Properties:

- Requires moderate splice knowledge
- Highly recommended for sheets, control lines and halyards
- Low stretch, tensile strength
- Highly UV resistant

Heron

Ø (mm)	6	8	10	12	14	16	18	20	22
Average Breaking Load (kg)	1050	1350	2400	3200	4500	6300	7400	9500	10500
kg / 100 m	3.2	4.6	7.4	8.9	12.8	18.2	21	27.1	30.3

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:

PRE-STRECHING
TECHNOLOGY

MARINE
CHEMICAL
FINISH



TUR
2028

TUR
2500
TUR
2500

TUR
2028

Kordtech
Performance Ropes

Keyif
Bodrum

Keyif



FineSpec / Halyards - Sheets - Backstays - Control Lines



Honeywell
Spectra® fiber



S0040



S0041

Core: 100% Spectra® 1000 Fibers with 12 braid construction

Properties:

- Requires basic splice knowledge
- Highly recommended for sheets, backstays and halyards
- Highest tensile strength / weight ratio
- Very low stretch, very high tensile strength and very light weight

FineSpec

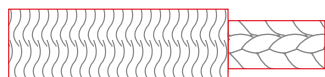
Ø (mm)	1	1.5	2	2.5	3	4
Average Breaking Load (kg)	170	250	475	950	1200	1600
kg / 100 m	0.06	0.09	0.18	0.37	0.56	0.74

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:



FineGuard / Halyards - Sheets - Control Lines



Honeywell
Spectra® fiber



P0008



P0001



P0010

Cover: High tenacity polyester 16/24 braid (Depending on size)
Core: 100% Spectra® 1000 fibers with 12 braid construction

Properties:

- Requires good splice knowledge
- Highly recommended for sheets, control lines and halyards
- Low stretch, high tensile strength and light weight
- Highly UV resistant

FineGuard

Ø (mm)	2	2.5	3	3.5	4	4.5	5
Average Breaking Load (kg)	170	530	600	1000	1350	1550	1900
kg / 100 m	0.29	0.41	0.64	0.87	1.08	1.34	1.58

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:







MOORING & DOCKING

KordDock / Mooring Lines - Docking Lines



**High Tenacity
PA Fibers**



N0062



N0061



N0060

Core: 100% HT Polyamide with 12 braid construction

Properties:

- Absorbs shock loads due to high elongation of the rope
- Soft braiding structure for easier use
- High tensile strength
- Requires good splicing knowledge

KordDock

Ø (mm)	10	13	18	22	24
Average Breaking Load (kg)	2500	3450	6250	8200	11500
kg / 100 m	6.3	9.6	19.8	26.9	37.6

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

DockSoft / Mooring Lines - Docking Lines



**High Tenacity
PA Fibers**



N12606364



N116062



N026365



N0060



N0061

Cover: 100% HT Polyamide with 16/24 braid construction
Core: 100% HT Polyamide with 12 braid construction

Properties:

- Absorbs shock loads due to high elongation of the rope
- Soft braiding structure for easier use
- High abrasion resistance due to double braid construction and twisted cover
- High tensile strength
- Requires good splicing knowledge

DockSoft

Ø (mm)	8	12	14	16	18	20	22	24
Average Breaking Load (kg)	1250	2800	3500	4500	5500	6500	9500	12500
kg / 100 m	4.6	10.2	12.2	15	17	22.4	26.7	31.9

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Tern-PES Mooring Lines / Mooring Lines - Docking Lines



High Tenacity
PES Fibers



P0008



P0011

Core: 100% HT Polyester with 12 braid construction

Properties:

- Soft braiding structure for easier use
- High tensile strength
- Requires good splicing knowledge

Tern-PES Mooring Lines

Ø (mm)	16	22	26	32
Average Breaking Load (kg)	6200	11200	14500	20150
kg / 100 m	18.6	34.8	48.5	68

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request





Kite Kord / Kite Surf



Honeywell
Spectra® fiber



S0040



S0041



Core: 100% Spectra® 1000 fibers with 12 braid construction

Properties:

- Requires basic splice knowledge
- Highest tensile strength / weight ratio
- Very low stretch, very high tensile strength and very light weight

Kite Kord

Ø (mm)	1.5	1.8
Average Breaking Load (kg)	190	220
gr / m	1.1	2.1

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

Treatments:



Wind Kord / Wind Surf



Honeywell
Spectra® fiber



S0040



Core: 100% Spectra® 1000 fibers with 12 braid construction

Properties:

- Highest tensile strength/weight ratio
- Very low stretch, very high tensile strength and very light weight
- Very high abrasion resistance

Wind Kord

Ø (mm)	4
Average Breaking Load (kg)	750
gr / m	7.9

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request

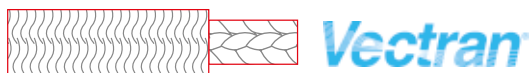




SAILMAKERS

SAILMAKERS

Kord Trim



V0090

Cover: High tenacity polyester 16/24 braid (Depending on size)
Core: 100% Vectran® 12 braid construction

Properties:

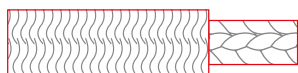
- Zero creep (No elongation under constant load)
- Low elongation

Kord Trim

Ø (mm)	1.7	2.5	3	4	4.5	5.0
Average Breaking Load (kg)	225	275	425	750	950	990
kg / 100 m	0.29	0.38	0.7	0.9	1.36	1.45

* Other diameters are available on request
 * Other colors are available on request

Bolt Lines



P0008

Cover: High tenacity polyester 16/24 braid (Depending on size)
Core: High tenacity polyester

Properties:

- Very stiff and dense
- Low elongation

Bolt Lines

Ø (mm)	1	2	4	4.5	5	6	7
kg / 100 m	0.06	0.32	1.29	1.52	1.92	2.9	4.1

* Other diameters are available on request
 * Other colors are available on request

Antitorsion Ropes



Cover: High tenacity polyester
Core: %100 Vectran® Fibers, High tenacity polyester

Properties:

- Multilayer braided
- Very stiff and dense
- Low elongation and high tenacity

Antitorsion

Ø (mm)	10	14
kg / 100 m	81.7	159.2

Sewing Threads



Core: High tenacity polyester 12 braid (Depending on size)

Properties:

- Easy sewing by hand
- High tenacity

Sewing Threads

Ø (mm)	1	1.2
Average Breaking Load (kg)	30	42

* Other diameters are available on request
* Other colors are available on request



235

236

202



230

204

201



221

233

206



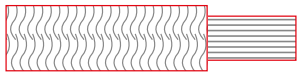




ACCESSORIES

ACCESSORIES

Elastic Cords



P010801



P010108

Cover: High tenacity polyester 16 braid
Core: Parallel elastic core

Properties:

- High abrasion resistance
- Premium quality core
- Long life span

Elastic Cords

Ø (mm)	3	4	5	6	8	10
Average Breaking Load (kg)	40	70	80	160	190	240
kg / 100 m	0.72	1.3	2.1	3	4.3	8.2

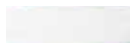
* All tests are in accordance with ISO 2307 Standards

* Larger diameters are available on request * Other colors are available on request

Whipping Twine



235



202



Core: High tenacity polyester 12 braid

Properties:

- High abrasion resistance
- High tenacity

Whipping Twine

Ø (mm)	1	1.2
Reels (m)	50	50

* Other diameters are available on request

* Other colors are available on request

General use Polyester Cords



P0008



Cover: High tenacity polyester 16 braid
Core: High tenacity polyester 12 braid

Properties:

- High abrasion resistance
- High tenacity
- Long life span

General use Polyester Cords

Ø (mm)	2	4	5
Average Breaking Load (kg)	195	300	625
Linear Density (kg / 100 m)	0.27	0.93	1.78
Reels (m)	300	250	150

* All tests are in accordance with ISO 2307 Standards

* Other colors are available on request

Shuckle



Honeywell
Spectra® fiber



S0043



S0042



S0040



Core: 100% Spectra® 1000 Fibers with 12 braid construction

Properties:

- Very light
- Easy to use
- Each shuckle is loaded to 1/2 of its breaking strength

Shuckle

Ø (mm)	4	6
Average Breaking Load (kg)	3600	4600

* All tests are in accordance with ISO 2307 Standards* Please contact us about reel quantities * Other colors are available on request





