

Ropes for Purse Seine

【Nylon -3 Rope】



☆ Excellent shock absorption through moderate elongation

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
6	0.81	7.94	4.43
8	1.38	13.5	7.86
10	2.09	20.5	12.3
12	2.93	28.7	17.7
14	3.90	38.2	24.0
16	4.98	48.8	31.3
18	6.20	60.8	39.7
20	7.52	73.7	48.9
22	9.00	88.3	59.2
24	10.5	103	70.4
26	12.3	121	82.6
28	14.0	137	95.8
30	16.0	157	109
32	17.7	174	125
34	20.1	197	141
36	22.4	220	158
38	24.7	242	176

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
40	27.2	267	195
42	29.7	291	215
45	33.8	331	246
50	41.0	402	304
55	49.0	481	368
60	57.5	564	438
65	66.5	652	513
70	76.5	750	596
75	87.0	853	683
80	98.0	961	777
85	110	1,079	874
90	122	1,196	980
95	135	1,324	1092
100	148	1,451	1210

Material : Nylon

Construction : 3 Strand

Specific Gravity : 1.14

Color : White

Ropes for Purse Seine

【Nylon -8 Rope】



☆ Excellent shock absorption through moderate elongation

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
6	0.81	7.94	4.5
8	1.38	13.5	7.8
10	2.09	20.5	11.7
12	2.93	28.7	18.1
14	3.90	38.2	24.6
16	4.98	48.8	31.1
18	6.20	60.8	38.9
20	7.52	73.7	48.6
22	9.00	88.3	60.3
24	10.5	103	68.0
26	12.3	121	81.0
28	14.0	137	97.0
30	16.0	157	111
32	17.7	174	125
34	20.1	197	139
36	22.4	220	152
38	24.7	242	171

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
40	27.2	267	193
42	29.7	291	212
45	33.8	331	240
50	41.0	402	306
55	49.0	481	371
60	57.5	564	448
65	66.5	652	522
70	76.5	750	604
75	87.0	853	693
80	98.0	961	790
85	110	1,079	872
90	122	1,196	981
95	135	1,324	1100
100	148	1,451	1210

Material : Nylon

Construction : 8(2 × 4)

Specific Gravity : 1.14

Color : White

Ropes for Purse Seine

【Nylon -12 Rope】



☆ Excellent shock absorption through moderate elongation

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
6	0.95	9.29	4.76
8	1.61	15.8	8.38
10	2.48	24.3	13.2
12	3.49	34.2	18.8
14	4.69	46.0	24.8
16	6.05	59.3	32.6
18	7.58	74.3	41.6
20	9.25	90.7	51.2
22	11.10	109.0	61.6
24	13.0	127	73.2
26	15.2	149	85.8
28	17.2	169	99.2

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
30	19.7	193	114
32	21.8	214	129
34	24.7	242	145
36	27.6	271	163
38	30.0	294	181
40	33.4	328	200
※42	36.5	358	222
※45	41.5	407	254
※50	50.4	494	314

※ The maximum length of the rope with the diameter of 42mm, 45mm and 50mm is 100m.

Material : Nylon

Construction : 12(2 × 6)

Specific Gravity : 1.14

Color : White

Ropes for Purse Seine

【Ultra Line –D3 Rope】



Material: Dyneema (R)
Construction : 3 Strand
Specific Gravity : 0.97
Color : White

Ultra Line Rope is a UHMWPE (Ultra High Molecular Weight Poly-ethylene) rope. Made with Dyneema®, an ultra-high-strength, high-modulus fiber, it combines **wire-rope-level strength with exceptional light weight.** *Dyneema(R) is a registered trademark of Toyobo in Japan.

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
6	1.8	17.7	3.82
8	3.0	29.4	6.80
10	4.4	43.1	10.6
12	6.0	58.8	15.3
14	7.9	77.5	20.8
16	10.0	98.1	27.1
18	12.3	121	34.4
20	14.8	145	42.4
22	17.4	171	51.3
24	20.3	199	61.1
26	23.4	229	71.7
28	26.6	261	83.1
30	30.0	294	95.4
32	33.6	330	109
34	37.3	366	123
36	41.3	405	138
38	45.4	445	153
40	49.6	486	173
42	54.0	530	187

Ropes for Purse Seine

【Ultra Line –D8 Rope】



Material: Dyneema (R)

Construction : 8(2 × 8)

Specific Gravity : 0.97

Color : White

*Dyneema(R) is a registered trademark of Toyobo in Japan.

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
8	3.13	30.7	7.20
10	4.64	45.5	11.1
12	6.37	62.5	15.9
14	8.35	81.9	21.8
16	10.5	103	28.0
18	13.1	128	35.7
20	15.6	153	43.8
22	18.6	182	53.0
24	21.5	211	63.0
26	24.9	244	74.0
28	28.2	277	86.0
30	31.9	313	99.0
32	35.7	350	112
34	39.7	389	127
36	43.8	430	142
38	48.2	473	158
40	52.7	517	175
42	57.4	563	193
45	65.0	637	221
50	78.2	767	272
55	92.4	906	329
60	108.0	1,059	392

Ropes for Purse Seine

【Ultra Line –D12 Rope】



Material: Dyneema (R)
Construction : 12(2 × 6)
Specific Gravity : 0.97
Color : White

*Dyneema(R) is a registered trademark of Toyobo in Japan.

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
6	2.25	22.1	4.06
8	3.83	37.6	7.22
10	5.78	56.7	11.3
12	8.10	79.4	16.3
14	10.8	106	22.2
16	13.8	135	29.0
18	17.1	168	36.8
20	20.8	204	45.4
22	24.8	243	55.0
24	29.2	286	64.4
26	33.8	331	76.8
28	38.7	380	89.2
30	43.9	431	102
32	49.6	486	117
34	55.4	543	132
36	61.6	604	148
38	68.0	667	165
40	74.7	733	182
42	81.8	802	200
46	96.8	949	242
48	105.0	1,027	262
50	113.0	1,107	284

Ropes for Purse Seine

【Megaton-X Rope】



Material: Dyneema®

Construction: 12-Strand Braid

Color: Silver

*Dyneema(R) is a registered trademark of Toyobo in Japan.

Megaton-X Rope is a UHMWPE (Ultra High Molecular Weight Polyethylene) rope. Made with Dyneema®, an ultra-high-strength, high-modulus fiber, it combines **wire-rope-level strength with exceptional light weight**.

Features

- Floats on water (specific gravity: 0.97)
- Wire-rope-level strength at the same diameter
- Outstanding durability among synthetic fiber ropes
- Anti-Twisting 12-strand braided construction

Comparison of Megaton-X and a wire rope

	Dia (mm)	Breaking Strength (t)	Weight (kg/200m)	Degree of Elongation (%)
Wire Rope (JIS6x24 Grade:G)	16	11.9	170	3.0~4.0%
Megaton-X	16	15.3t	31.6	3.0~4.0%

Megaton-X			Wire Rope (JIS 6x24 Grade:G)		
dia (mm)	Breaking Strength (t)	Weight (kg/200m)	dia (mm)	Breaking Strength (t)	Weight (kg/200m)
12	8.89	17.8	12	6.72	95.6
14	10.9	24.2	14	9.15	130.2
16	14.2	31.6	16	11.9	170
18	17.1	40.0	18	15.1	216
20	20.1	48.4	20	18.7	266
22	24.1	58.6	22	22.6	322

Ropes for Purse Seine

【Megaton-X Rope】

Megaton-X					
Dia	Breaking Strength (kN)	Breaking Strength (t)	Weight	Minimum Length (m)	Maximum Length (m)
(mm)			(kg/100m)		
6	22.8	2.33	2.2	100	400
8	34.0	3.47	4.0	100	400
9	49.1	5.01	5.3	50	200
10	57.3	5.84	6.2	50	200
12	87.2	8.89	8.9	50	200
14	107	10.9	12.1	50	1,000
16	139	14.2	15.8	50	1,000
18	168	17.1	20.0	50	800
20	197	20.1	24.2	50	800
22	236	24.1	29.3	50	400
24	279	28.4	34.9	50	400
26	325	33.1	41.0	50	400
28	388	39.6	47.5	50	400
30	456	46.5	55	50	200
32	508	51.8	62	50	200
34	576	57.8	70	50	200
36	628	64.0	79	50	200
38	685	69.9	88	50	200
40	744	75.9	97	50	200
42	811	82.7	107	50	100
44	881	89.8	118	50	100
46	940	95.9	128	50	100
48	1000	102	140	50	100
50	1098	112	152	50	100

Ropes for Purse Seine

【High Blend -3 Rope】



Material : Polypropylene & Polyester
Construction : 3 Strand
Specific Gravity : 1.09
Color : Blue

**Benefits of PP and PES
&
Nylon-rope-level strength**

- ☆ Low elongation
- ☆ Excellent UV resistance
- ☆ Excellent abrasion resistance
- ☆ Minimal strength loss when wet

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
3	0.2	2.0	1.1
4	0.3	3.3	1.96
5	0.5	5.1	3.07
6	0.7	7.2	4.42
7	1.0	9.5	6.01
8	1.2	12.2	7.85
9	1.5	15.1	9.94
10	1.9	18.3	12.3
12	2.6	25.8	17.7
14	3.5	34.2	24.0
16	4.5	43.8	31.4
18	5.6	54.5	39.7
20	6.8	66.2	49.1
22	8.1	79.0	59.4
24	9.5	92.8	70.7
26	11.0	108	82.9
28	12.6	124	96.2

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
30	14.3	140	110
32	16.1	158	126
34	18.0	176	142
35	19.0	186	150
36	20.6	202	159
38	23.3	228	177
40	25.1	246	196
42	27.5	270	216
45	31.2	306	248
50	38.3	375	307
55	46.7	458	371
60	53.2	522	441
65	61.9	607	518
70	72.0	706	601
75	83.4	818	690
80	93.5	917	785
85	106	1,044	886
90	117	1,148	993

Ropes for Purse Seine

【High Blend -8 Rope】



Material : Polypropylene & Polyester
Construction : 8(2 × 4)
Specific Gravity : 1.09
Color : Blue

**Benefits of PP and PES
&
Nylon-rope-level strength**

- ☆ Low elongation
- ☆ Excellent UV resistance
- ☆ Excellent abrasion resistance
- ☆ Minimal strength loss when wet

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
6	0.7	7.2	4.2
7	1.0	9.5	5.7
8	1.2	12.2	7.4
9	1.5	15.1	9.4
10	1.9	18.3	11.6
12	2.6	25.8	16.7
14	3.5	34.2	22.7
16	4.5	43.8	29.6
18	5.6	54.5	37.4
20	6.8	66.2	46.2
22	8.1	79.0	55.9
24	9.5	92.8	66.6
26	11.0	108	78.1
28	12.6	124	90.6
30	14.3	140	104
32	16.1	158	119
34	18.0	176	134

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
35	19.0	186	142
36	20.6	202	150
38	23.3	228	167
40	25.1	246	185
42	27.5	270	205
45	31.2	306	234
50	38.3	375	288
55	46.7	458	349
60	53.2	522	415
65	61.9	607	487
70	72.0	706	566
75	83.4	818	649
80	93.5	917	739
85	106	1,044	834
90	117	1,148	935
95	130	1,272	1,042
100	144	1,410	1,155

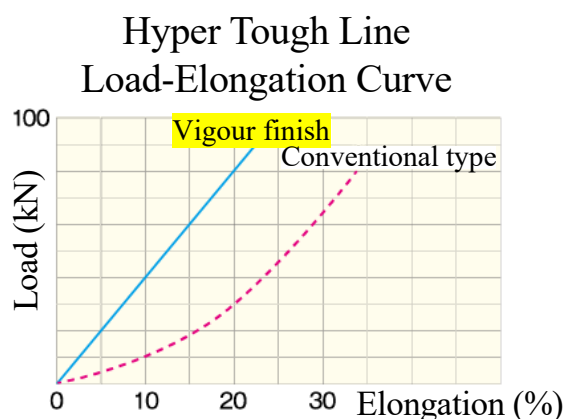
Ropes for Purse Seine

【Hyper Tough Line -3 Rope】



Material : High-tenacity Polypropylene
Construction : 3 strand
Specific Gravity : 0.91
Color : Light gray, White, Black or Blue

- ☆ 10% higher strength than conventional PP ropes
- ☆ Excellent flexibility
- ☆ Excellent resistance to abrasion and UV degradation
- ☆ **Vigour finish** improved dimensional stability.



Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
10	1.6	15.5	10.5
11	1.9	18.5	12.6
12	2.2	21.6	15.0
14	3.0	29.8	20.6
16	3.8	37.2	26.1
18	4.8	47.2	33.6
20	5.7	55.9	41.1
22	7.1	69.5	50.7
24	8.2	80.7	59.7
26	9.5	93.1	69.0
28	10.8	105.5	79.6

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
30	12.6	123	92.2
32	14.0	138	105
34	15.5	154	119
35	16.6	163	125
36	17.4	171	132
38	19.2	188	146
40	21.1	207	165
42	23.4	230	181
45	26.1	256	207
50	32.2	316	255

Ropes for Purse Seine

【Hyper Tough Line -8 Rope】



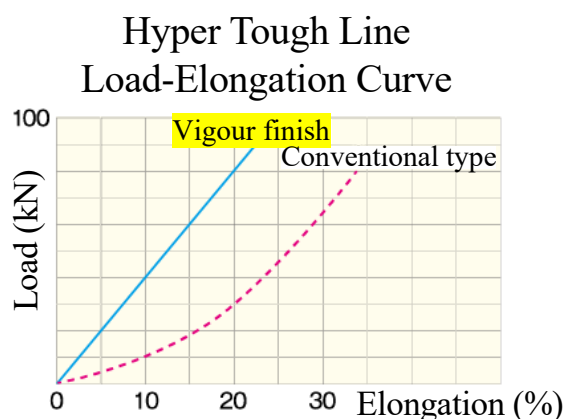
Material : **High-tenacity Polypropylene**

Construction : 8(2 × 4)

Specific Gravity : 0.91

Color : Light gray, White, Black or Blue

- ☆ 10% higher strength than conventional PP ropes
- ☆ Excellent flexibility
- ☆ Excellent resistance to abrasion and UV degradation
- ☆ **Vigour finish** improved dimensional stability.



Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
10	1.6	15.5	10.3
11	1.9	18.5	12.8
12	2.2	21.6	15.5
14	3.0	29.8	19.4
16	3.8	37.2	26.5
18	4.8	47.2	33.4
20	5.7	55.9	41.3
22	7.1	69.5	49.9
24	8.2	80.7	59.4
26	9.5	93.1	69.7
28	10.8	105.5	81.0

Dia (mm)	Breaking Strength (t)	Breaking Strength (kN)	Weight (kg/200m)
30	12.6	123	92.9
32	14.0	138	106
34	15.5	154	119
35	16.6	163	126
36	17.4	171	133
38	19.2	188	148
40	21.1	207	165
42	23.4	230	183
45	26.1	256	209
50	32.2	316	257

Twines

【Nylon Braided Twine】



Dia (mm)	Weight (g/m)	Weight (kg/pcs)	Length (m)	Package
3.0	5.71	2.0	350	Box, Coil, Spool
3.5	8.0	2.0	250	Box, Coil, Spool
4.0	10.0	2.0	200	Coil, Spool
4.5	13.5	2.7	200	Coil, Spool
5.0	16.5	3.3	200	Coil, Spool
6.0	18.0	3.6	200	Coil, Spool
7.0	23.5	4.7	200	Coil, Spool
8.0	37.0	7.4	200	Coil, Spool
9.0	45.0	9.0	200	Coil
10.0	62.5	12.5	200	Coil
11.0	75.0	15.0	200	Coil
12.0	85.0	17.0	200	Coil
14.0	110.0	22.0	200	Coil
16.0	140.0	28.0	200	Coil

Material : Nylon

Color : White, Black

Twines

【Polyester Braided Twine】



Dia	Weight	Length	Strength
(mm)	(kg/pcs)	(m)	(kN)
2	2.5	800	1.1
2.5	2.5	600	1.5
3	2.5	400	2.2
3.5	2.5	300	3
4	2.5	240	3.7
4.5	2.5	200	4.5
5	2.5	170	5.3
6	4.4	200	7.9
7	6.2	200	11.1
8	8.0	200	14.4
9	10.0	200	18.0
10	12.4	200	22.3
12	17.8	200	32.0

Weather-resistant polyester braided twine is easy to handle and provides secure knot holding.

Twines

【Polytex Twisted Twine】



Material: Polyester and polyethylene
Construction: 3 strand
Direction of twist: Z twist
Color: White and light gray

The rope shrinks when it is wet.
Knotted parts shrink and are tightened in the water.

Item No.	Dia	Breaking Strength (kg)	Breaking Strength (kN)	Weight	Shape	Size	No. of unit per package (pcs)
	(mm)			(g/m)		(kg)	
PTW25	2.19	53.2	0.52	2.5	Ball	2.5	10
PTW32	2.39	63.2	0.62	3.2	Ball	2.5	10
PTW5	2.96	96.5	0.95	5.0	Ball	2.5	10
PTW75	4.00	162	1.59	7.5	Ball	2.5	10
PTW10	4.27	183	1.79	10.0	Ball	2.5	10
PTW10-5	4.27	183	1.79	10.0	Coil	5.0	5
PTW125	4.53	226	2.22	12.5	Ball	2.5	10
PTW125-5	4.53	226	2.22	12.5	Coil	5.0	5
PTW15	4.96	274	2.69	15.0	Coil	5.0	5
PTW20	6.50	405	3.97	20.0	Coil	5.0	5
PTW25	7.50	530	5.20	25.0	Coil	5.0	5
PTW25-10	7.50	530	5.20	25.0	Coil	10.0	4
PTW375	8.70	695	6.82	37.5	Coil	10.0	4
PTW45	9.40	800	7.85	45.0	Coil	10.0	4
PTW50	9.50	815	7.99	50.0	Coil	10.0	4
PTW625	11.0	1,060	10.4	62.5	Coil	10.0	4
PTW90	14.0	1,665	16.3	90.0	Coil	10.0	4