

LIBRA[®] LINE

PRODUCT DESCRIPTION

Libra[®] Line is a double braided rope construction, composed of two equal elements, a braided sheath over a braided core. Our new state of the art production-equipment is fully computer-controlled, which guarantees a second to none quality and thus safety in mooring-systems.

Our newly built 1.200 square metres rigging-shop has been specially designed and is a centre of excellence, where all our rope terminations and assembly-fabrication takes place, including fitting of floats and Polyurethane coating of ropes, using our automatic coating machine, which guarantees a smooth and abrasion-resistant rope-protection. Libra[®] Line has also excellent characteristics for successful application in fishing operations, a lot used in purse seining.

MAIN CHARACTERISTICS

Material:	Polypropylene multifilament
Specific gravity:	0.91
Melting Point:	165 °C
Breaking strength:	equal dry and wet
Chemical resistance:	high resistance against oil and acids
Snap-back:	low
Ultraviolet resistance:	good

Material:	Polyester
Specific gravity:	1.38
Melting Point:	260 °C
Abrasion resistance:	very high
Elongation:	limited
Snap-back:	low
Ultraviolet resistance:	excellent

Material:	Nylon
Specific gravity:	1.14
Melting Point:	250 °C
Breaking strength:	higher than polyester
Flexibility:	very flexible dry and wet
Ultraviolet resistance:	excellent

Production and Construction:	Polyester and Nylon based on ISO 10554
Testing method:	Based ISO 10554

APPLICATIONS

- Winch lines
- Mooring lines
- Fishing lines
- Fish cage lines
- Buoy mooring
- Towing springs
- Deep sea cable as recovery ropes



Courtesy Smit International



Libra[®] Line Nylon

LIBRA[®] LINE

Polypropylene	Polyester	Nylon
PP	PET	PA

Size Nr.	Diameter mm	Weight kg/ 100m	MBF kN	MBF Tonf	Weight kg/ 100m	MBF kN	MBF Tonf	Weight kg/ 100m	MBF kN	MBF Tonf
2	16							15,9	53,9	5,5
2,25	18	17,1	38,2	3,9	24,7	62,8	6,4	21,4	68,6	7
2,625	21	22,8	51,0	5,2	34,5	85,3	8,7	28,5	93,2	9,5
3	24	28,5	66,7	6,8	44	112	11,4	35,7	125	12,7
3,5	28	38,8	91,6	9,34	59,7	149	15,2	48,6	177	18
4	32	50,7	120	12,2	77,9	194	19,8	63,5	216	22
4,5	36	64,2	151	15,4	98,8	257	26,2	80,4	265	27
5	40	78,9	186	19	122	318	32,4	98,8	353	36
5,5	44	95,8	226	23	147	371	37,8	120	412	42
6	48	114	269	27,4	176	441	45	143	490	50
6,5	52	134	316	32,2	205	525	53,5	168	588	60
7	56	156	343	35	238	609	62,1	195	677	69
7,5	60	178	422	43	274	698	71,2	223	765	78
8	64	203	481	49	312	794	81	254	883	90
9	72	256	608	62	395	961	98	321	1069	109
10	80	317	647	66	487	1216	124	397	1353	138
11	88	384	981	100	591	1471	150	481	1638	167
12	96	457	1079	110	702	1716	175	572	1912	195
13	104	536	1226	125	825	2050	209	671	2275	232
14	112	622	1373	140	956	2354	240	779	2618	267
15	120	713	1569	160	1100	2697	275	893	2991	305
16	128	814	1736	177	1250	2932	299	1020	3334	340
18	144	1020	2206	225	1580	3707	378	1280	4119	420
21	168	1390	2942	300	2150	5031	513	1740	5590	570
24	192	1820	3834	391	2810	6570	670	2280	7453	760
27	216	2300	4854	495	3560	8316	848	2880	9611	980
30	240	2840	6002	612	4390	10268	1047	3560	12739	1299

Others sizes available upon request.
MBL values are on unspliced condition according to ISO 2307

MINIMUM BREAKING LOAD

