

Wire Ropes for Purse Seine

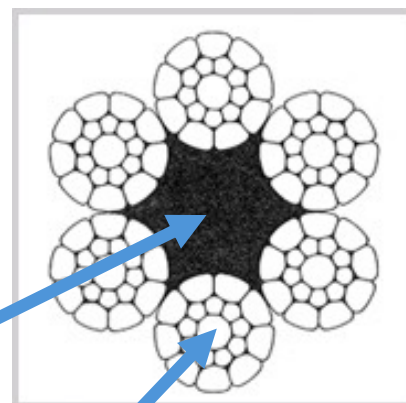
【Tough Dry Wire 6 × P · S(19)】

Construction : 6 × P · S [1 + 9 + 9]

Core : Fiber

Coating : Galvanized

Tough Dry Wire is a premium wire rope developed by Tokyo Rope MFG for purse seine fisheries.



The synthetic fiber core maintains strand stability while retaining lubricant for long-lasting internal corrosion protection.

Compared with conventional steel-core wire ropes, Tough Dry Wire offers:

- Greater flexibility
- Superior shock and vibration absorption
- Enhanced lubricant retention
- Lower weight

Its die-formed profile strands provide smooth surface contact, delivering:

- Higher breaking strength
- Enhanced fatigue resistance
- Superior abrasion resistance
- Reduced distortion
- Less wear on equipment (e.g., drums, rollers, and sheaves)

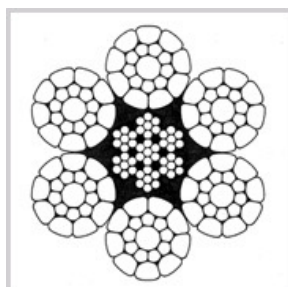
Dia	Breaking Load		Rough Calculation Unit Mass*
(mm)	(kN)	(tf)	(kg/m)
19	227	23.16	1.49
22	304	31.02	2.00
24	362	36.94	2.38
26	425	43.37	2.79
28	493	50.31	3.23
30	566	57.76	3.71

*Reference : For Wire Rope with Profile Wires on the authority of TOKYO ROPE MFG. Co.,Ltd.



Wire Ropes for Purse Seine

【Tough Dry Wire IWRC 6xP・S(19)】



Construction :
 $7 \times 7 + 6 \times P \cdot$
 $S [1 + 9 + 9]$
 Core : Wire Rope
 Coating : Galvanized

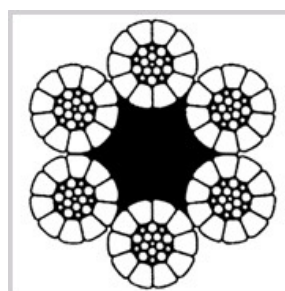
Dia (mm)	Breaking Load		Rough Calculation Unit Mass*
	(kN)	(tf)	(kg/m)
19	255	26.02	1.63
22	343	35.00	2.19
24	408	41.63	2.61
26	478	48.78	3.06
28	555	56.63	3.55
30	637	65.00	4.07
32	725	73.98	4.63

Synthetic fiber core for flexibility and grease retention. Advantages over steel-cored ropes:

- Higher breaking strength
- Greater resistance to lateral pressure
- Less elongation and diameter loss

【Tough Wire 6xP・WS(26)】

Dia (mm)	Breaking Load		Rough Calculation Unit Mass*
	(kN)	(tf)	(kg/m)
10	68.6	7.00	0.413
11.2	86.1	8.79	0.517
12	98.8	10.08	0.594
12.5	107	10.92	0.645
14	119	12.13	0.803
16	155	15.81	1.05
18	196	19.99	1.33
20	242	24.68	1.64
22	293	29.88	1.98
24	349	35.59	2.36
26	409	41.71	2.77
28	474	48.33	3.21
30	617	62.96	3.71



Construction :
 $6 \times P \cdot WS [1 + 5 + (5+5) + 10]$
 Core : Fiber
 Coating : Standard Galvanized

Made with finer steel wires than Tough Dry Wire, it provides:

- greater flexibility
- easier handling or splicing

*Reference : For Wire Rope
 with Profile Wires
 on the authority of TOKYO ROPE MFG.
 Co.,Ltd.