



# Execution M6

On floating oil platforms, active heave compensation systems (MRT – Marine-riser-tensioner) are essential installations that compensate the wave motion of the ocean and ensure the smooth and profitable operation of the platform. On such systems, the ropes run around sheaves in adverse conditions and under continuous load in order to retain the platform in its position. SUPERFILL® and PLASTFILL® make this 6-strand marine riser tensioner rope your perfect choice for safe and profitable operations on offshore platforms.

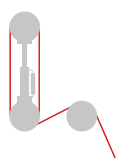
## Specifications

- Lang's lay, right or left-handed
- 38.1-47.63 mm: 6xK36WS-EPIWRC, RCN 09, n=216
- 50.8-63.5 mm: 6xK41WS-EPIWRC, RCN 11, n=246
- 66.68-73 mm: 6xK46WS-EPIWRC, RCN 12, n=276
- Filling factor f=0.65
- Use without swivel
- ✓ PLASTFILL®
- ✓ SUPERFILL®

## Segments



## Applications



Marine-riser-tensioner

## Advantages

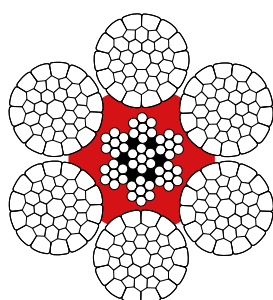
- ✓ Excellent performance under reverse bending cycles and very high flexibility due to outer strands with a greater number of wires
- ✓ Resistant to corrosion thanks to high-quality raw materials and the permanent lubrication of the core provided by the PLASTFILL® insert
- ✓ Longer service life due to the low-wear construction and permanent lubrication of the core provided by the PLASTFILL® insert
- ✓ Operational safety thanks to the high breaking forces achieved by the rope-friendly SUPERFILL® compaction process

## Technical specifications

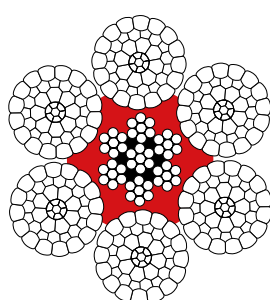
Construction	Nominal Ø		Rope length mass		MBF at rope grade					
	mm	inch	kg/m	lbs/ft	1770		1960		2160	
					kN	lbf	kN	lbf	kN	lbf
6xK36WS- EPIWRC RCN 09, n=216	38.1	1 1/2	6.35	4.27	990	101	1,053	107	1,116	114
	41.28	1 5/8	7.43	4.99	1,162	118	1,236	126	1,310	134
	44.45	1 3/4	8.63	5.80	1,347	137	1,433	146	1,519	155
	47.63	1 7/8	9.91	6.66	1,547	158	1,645	168	1,744	178
6xK41WS-EPIWRC RCN 11, n=246	50.8	2	11.25	7.56	1,760	179	1,872	191	1,984	202
	54	2 1/8	12.73	8.55	1,988	203	2,115	216	2,242	229
	57.15	2 1/4	14.23	9.56	2,227	227	2,369	242	2,511	256
	60.33	2 3/8	15.88	10.67	2,482	253	2,640	269	2,798	285
	63.5	2 1/2	17.59	11.82	2,750	280	2,925	298	3,100	316
6xK46WS- EPIWRC RCN 12, n=276	66.68	2 5/8	19.46	13.08	3,032	309	3,225	329	3,418	349
	69.85	2 3/4	21.35	14.35	3,327	339	3,539	361	3,751	382
	73	2 7/8	23.31	15.66	3,634	371	3,865	394	4,097	418

Standard tolerance: 0 % to +4 %, other tolerance ranges and rope diameters are available upon request.

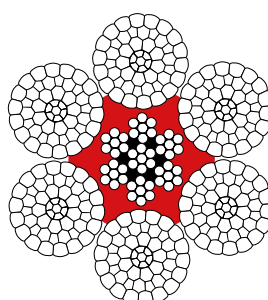
The values are provided for guidance only. The metric figures shall prevail. The rope cross-section depicts a typical design and may vary within the product line. Subject to further developments which may lead to changes in technical specifications. Subject to changes and errors.



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66.68-73 mm