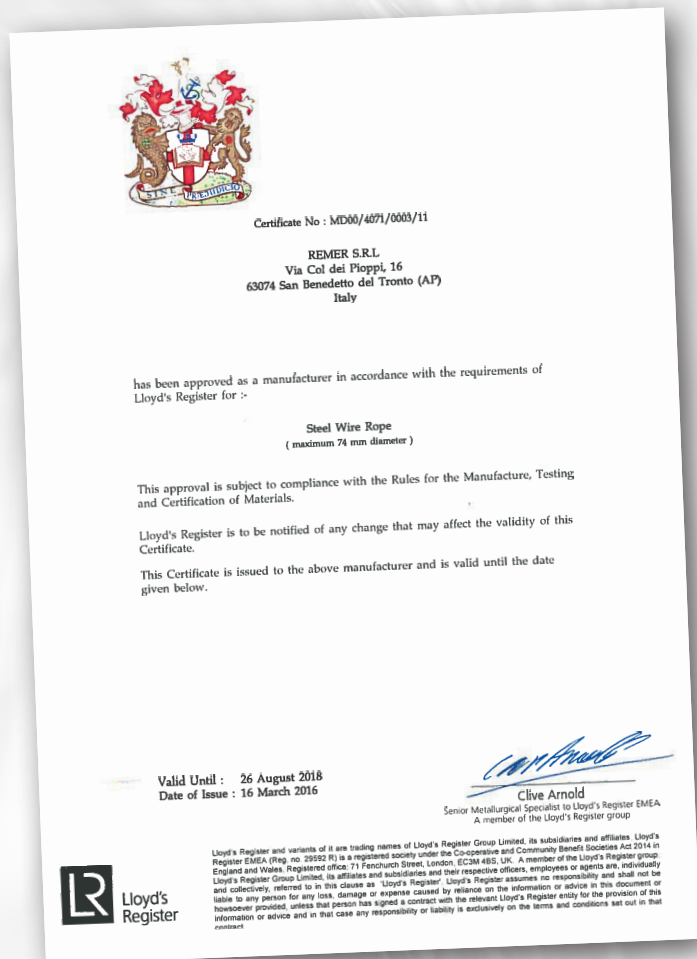
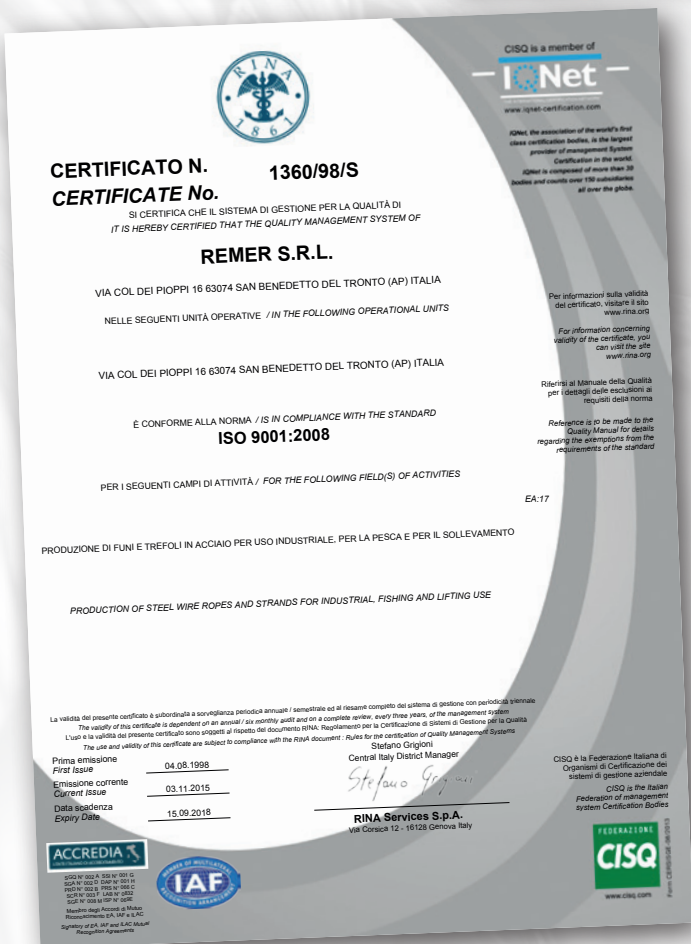
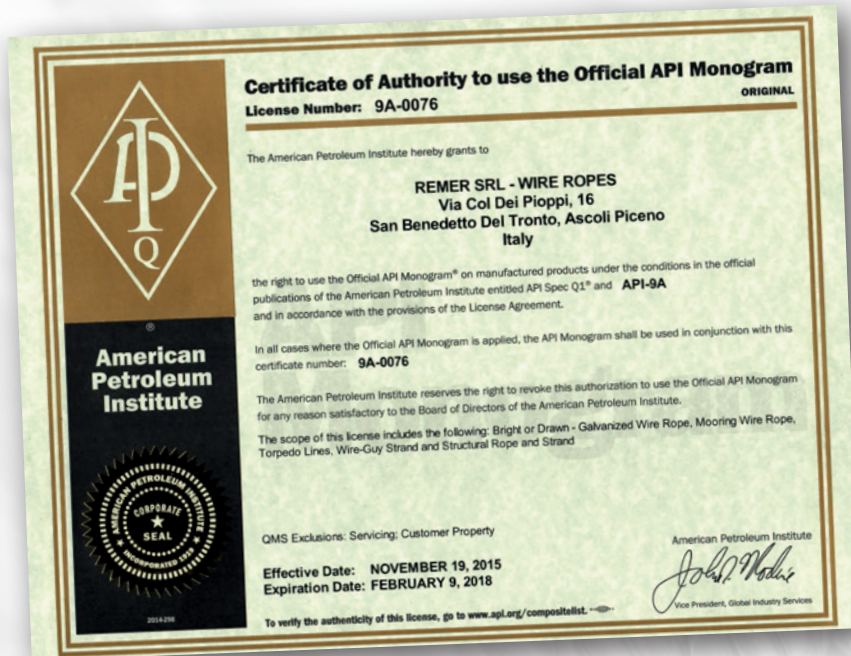




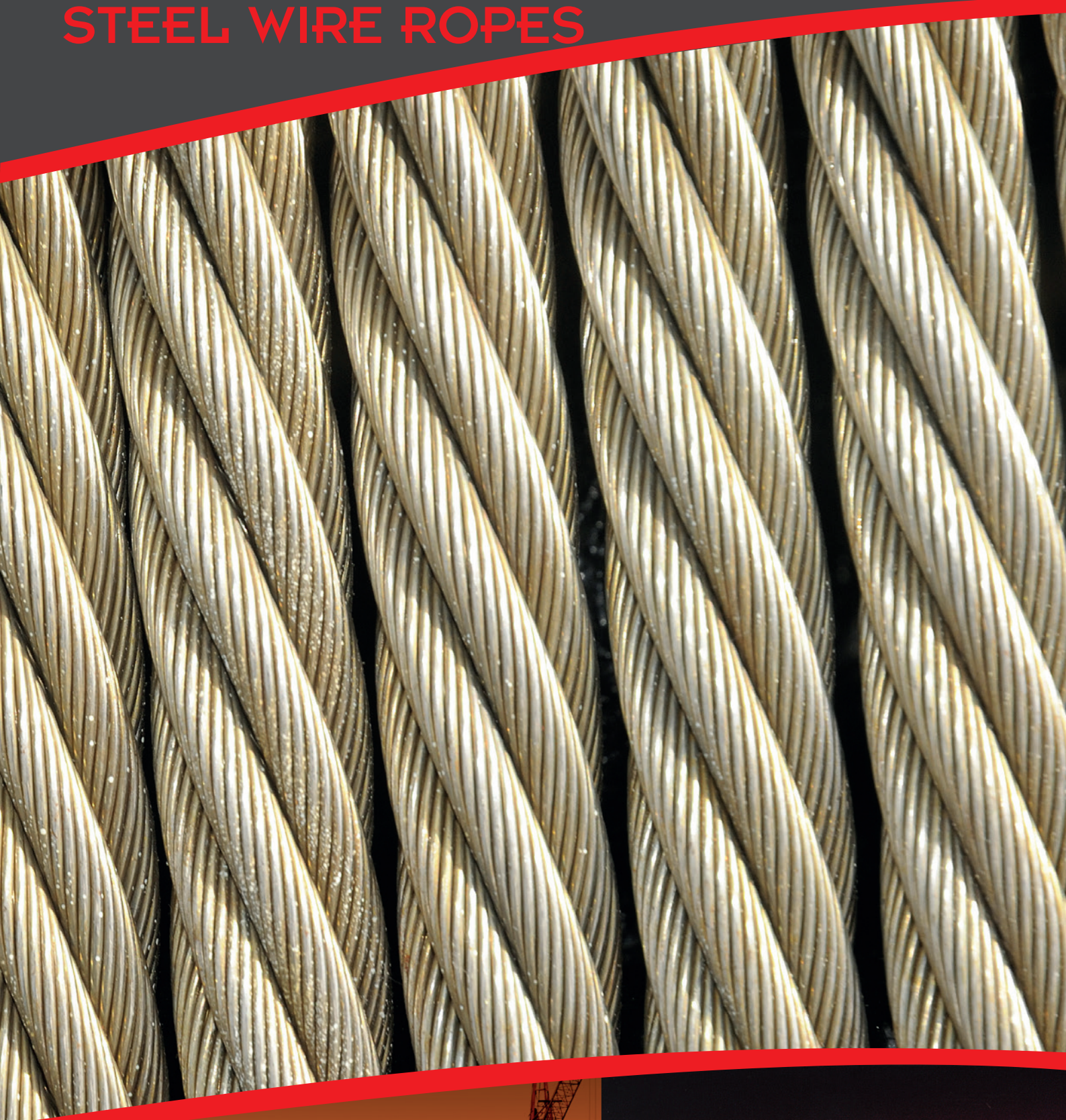
Catalogo Generale General Catalogue

 MADE IN ITALY 

EDIZIONE / EDITION APRIL 2016



FUNI D'ACCIAIO STEEL WIRE ROPES



1 Kg/F = 9,81 N

6+1



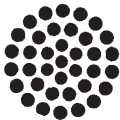
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm²	160 kg/mm²	180 kg/mm²	
1,50	0,50	1,37	173	198	223	0,011
1,80	0,60	1,98	249	285	321	0,016
2,00	0,65	2,32	293	334	376	0,019
2,40	0,80	3,52	443	507	570	0,028
2,70	0,90	4,45	561	641	721	0,036
3,00	1,00	5,50	693	792	891	0,044
3,30	1,10	6,65	838	958	1.078	0,053
4,00	1,30	9,29	1.171	1.338	1.505	0,076
4,50	1,50	12,37	1.559	1.781	2.004	0,100
5,00	1,65	14,97	1.886	2.155	2.425	0,122
5,40	1,80	17,81	2.244	2.565	2.886	0,143
6,00	2,00	21,99	2.771	3.167	3.563	0,177
6,60	2,20	26,61	3.353	3.832	4.311	0,214
7,00	2,30	29,08	3.664	4.188	4.711	0,236
7,50	2,50	34,36	4.330	4.948	5.567	0,276
8,00	2,65	38,61	4.865	5.560	6.255	0,312
9,00	3,00	49,48	6.234	7.125	8.016	0,400
10,00	3,30	59,87	7.544	8.621	9.699	0,483
12,00	4,00	87,96	11.084	12.667	14.250	0,707
13,50	4,50	111,33	14.028	16.032	18.035	0,894
15,00	5,00	137,44	17.318	19.792	22.266	1,104

12+6+1



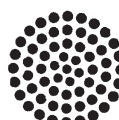
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm²	160 kg/mm²	180 kg/mm²	
2,00	0,40	2,39	294	336	378	0,019
2,25	0,45	3,02	372	425	479	0,024
2,50	0,50	3,73	460	525	591	0,030
3,00	0,60	5,37	662	756	851	0,043
3,50	0,70	7,31	901	1.030	1.158	0,060
4,00	0,80	9,55	1.177	1.345	1.513	0,080
4,50	0,90	12,09	1.489	1.702	1.915	0,097
5,00	1,00	14,92	1.838	2.101	2.364	0,120
5,50	1,10	18,06	2.225	2.542	2.860	0,145
6,00	1,20	21,49	2.647	3.026	3.404	0,176
6,50	1,30	25,22	3.107	3.551	3.995	0,203
7,00	1,40	29,25	3.603	4.118	4.633	0,235
7,50	1,50	33,58	4.137	4.727	5.318	0,270
8,00	1,60	38,20	4.706	5.379	6.051	0,307
9,00	1,80	48,35	5.957	6.808	7.658	0,388
9,50	1,90	53,87	6.637	7.585	8.533	0,433
10,00	2,00	59,69	7.354	8.404	9.455	0,480
10,50	2,10	65,81	8.108	9.266	10.424	0,529
11,00	2,20	72,23	8.898	10.169	11.440	0,580
11,50	2,30	78,94	9.725	11.115	12.504	0,634
12,00	2,40	85,95	10.590	12.102	13.615	0,691
12,50	2,50	93,27	11.490	13.132	14.773	0,749
13,00	2,60	100,88	12.428	14.203	15.979	0,810
13,50	2,70	108,79	13.402	15.317	17.232	0,874
14,00	2,80	116,99	14.414	16.473	18.532	0,940
15,00	3,00	134,30	16.546	18.910	21.274	1,079
16,00	3,20	152,81	18.826	21.515	24.205	1,228
17,00	3,40	172,50	21.253	24.289	27.325	1,386
18,00	3,60	193,40	23.826	27.230	30.634	1,554
19,00	3,80	215,48	26.547	30.340	34.132	1,731
20,00	4,00	238,76	29.415	33.618	37.820	1,918
22,00	4,40	288,90	35.593	40.677	45.762	2,321
24,00	4,80	343,82	42.358	48.409	54.460	2,762
26,00	5,20	403,51	49.712	56.814	63.915	3,242

18+12+6+1



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm²	160 kg/mm²	180 kg/mm²	
4,00	0,55	8,79	1.071	1.224	1.377	0,071
4,50	0,65	12,28	1.495	1.709	1.923	0,099
5,00	0,70	14,24	1.734	1.982	2.230	0,114
5,50	0,80	18,60	2.265	2.589	2.912	0,149
6,00	0,85	21,00	2.557	2.923	3.288	0,169
6,50	0,90	23,54	2.867	3.277	3.686	0,189
7,00	1,00	29,06	3.539	4.045	4.551	0,233
8,00	1,15	38,43	4.681	5.350	6.018	0,309
9,00	1,30	49,11	5.982	6.836	7.691	0,395
10,00	1,40	56,96	6.937	7.928	8.919	0,458
11,00	1,55	69,82	8.504	9.718	10.933	0,561
12,00	1,70	83,98	10.229	11.690	13.152	0,675
13,00	1,85	99,46	12.114	13.844	15.575	0,799
14,00	2,00	116,24	14.158	16.180	18.203	0,934
15,00	2,10	128,15	15.609	17.839	20.069	1,030
16,00	2,30	153,73	18.724	21.399	24.073	1,235
18,00	2,55	188,96	23.015	26.303	29.591	1,518
20,00	2,85	236,04	28.749	32.856	36.963	1,896
22,00	3,15	288,35	35.120	40.138	45.155	2,317
24,00	3,40	335,93	40.916	46.762	52.607	2,699
26,00	3,70	397,83	48.455	55.378	62.300	3,196
28,00	4,00	464,96	56.632	64.722	72.812	3,735
29,00	4,15	500,48	60.959	69.667	78.375	4,021
30,00	4,30	537,31	65.445	74.794	84.143	4,317
32,00	4,50	588,46	71.674	81.914	92.153	4,728
36,00	5,15	770,74	93.876	107.287	120.697	6,192

24+18+12+6+1



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm²	160 kg/mm²	180 kg/mm²	
6,00	0,67	21,51	2.619	2.994	3.368	0,173
6,50	0,72	24,84	3.025	3.457	3.889	0,200
7,00	0,78	29,15	3.550	4.057	4.565	0,234
8,00	0,90	38,81	4.727	5.402	6.077	0,312
9,00	1,00	47,91	5.835	6.669	7.503	0,385
10,00	1,10	57,97	7.061	8.069	9.078	0,466
11,00	1,20	68,99	8.403	9.603	10.804	0,554
12,00	1,30	80,97	9.862	11.271	12.679	0,650
12,50	1,40	93,90	11.437	13.071	14.705	0,754
13,00	1,45	100,73	12.269	14.022	15.774	0,809
14,00	1,55	115,10	14.019	16.022	18.025	0,925
15,00	1,65	130,43	15.887	18.156	20.426	1,048
16,00	1,80	155,23	18.907	21.607	24.308	1,247
18,00	2,00	191,64	23.341	26.676	30.010	1,540

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

6+1



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140	160	180	
			kg/mm ²	kg/mm ²	kg/mm ²	
1,60	0,53	1,56	195	223	251	0,013
1,80	0,60	1,98	247	282	317	0,016
2,00	0,65	2,32	305	348	392	0,019
2,40	0,80	3,52	439	501	564	0,028
2,70	0,90	4,45	555	635	714	0,036
3,00	1,00	5,50	685	783	881	0,044
3,30	1,10	6,65	829	948	1.066	0,053
3,60	1,20	7,92	987	1.128	1.269	0,064
4,00	1,30	9,29	1.219	1.393	1.567	0,076
4,20	1,40	10,78	1.343	1.535	1.727	0,087
4,50	1,50	12,37	1.542	1.763	1.983	0,100
5,00	1,65	14,97	1.904	2.176	2.448	0,122
6,00	2,00	21,99	2.742	3.133	3.525	0,177
7,00	2,30	29,08	3.732	4.265	4.798	0,236
8,00	2,65	38,61	4.874	5.571	6.267	0,312

6+1 plastificato



Int. fune Int. Rope Ø mm	Est. fune Out. Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
				140	160	180	
				kg/mm ²	kg/mm ²	kg/mm ²	
1,60	3,10	0,53	1,56	732	836	941	0,018
1,80	3,30	0,60	1,98	829	948	1.066	0,022
2,00	3,50	0,65	2,32	933	1.066	1.200	0,025
2,40	3,90	0,80	3,52	1.158	1.324	1.489	0,035
2,70	4,20	0,90	4,45	1.343	1.535	1.727	0,044
3,00	4,50	1,00	5,50	1.542	1.763	1.983	0,053
3,30	4,80	1,10	6,65	1.755	2.005	2.256	0,063
3,60	5,10	1,20	7,92	1.981	2.264	2.547	0,074
4,00	5,50	1,30	9,29	2.304	2.633	2.962	0,087
4,20	5,70	1,40	10,78	2.474	2.828	3.181	0,098
4,50	6,00	1,50	12,37	2.742	3.133	3.525	0,112
5,00	6,50	1,65	14,97	3.218	3.677	4.137	0,136
6,00	7,50	2,00	21,99	4.284	4.896	5.508	0,193

6 x 7 + WSC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			180	200	
			kg/mm ²	kg/mm ²	
3,00	0,32	4,07	581	646	0,036
4,00	0,45	6,95	1.033	1.148	0,065
5,00	0,55	11,64	1.614	1.793	0,100
6,00	0,65	16,26	2.324	2.582	0,142
7,00	0,75	22,82	3.163	3.514	0,196
8,00	0,85	27,81	4.131	4.590	0,260
9,00	1,00	38,48	5.228	5.809	0,330
10,00	1,10	46,57	6.455	7.172	0,400

6 x 7 + WSC PLASTIFICATO



Int. fune Int. Rope Ø mm	Est. fune Out. Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
				180	200	
				kg/mm ²	kg/mm ²	
3,00	4,50	0,32	4,07	581	646	0,045
4,00	5,50	0,45	6,95	1.033	1.148	0,078
5,00	6,50	0,55	11,64	1.614	1.793	0,115
6,00	7,50	0,65	16,26	2.324	2.582	0,160
7,00	8,50	0,75	22,82	3.163	3.514	0,220
8,00	9,50	0,85	27,81	4.131	4.590	0,285
9,00	10,50	1,00	38,48	5.228	5.809	0,360
10,00	11,50	1,10	46,57	6.455	7.172	0,430

12+6+1



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140	160	180	
			kg/mm ²	kg/mm ²	kg/mm ²	
3,00	0,60	5,37	662	756	851	0,043
4,00	0,80	9,55	1.176	1.344	1.512	0,080
5,00	1,00	14,92	1.838	2.100	2.363	0,120
6,00	1,20	21,49	2.646	3.024	3.402	0,176
7,00	1,40	29,25	3.602	4.116	4.631	0,235
8,00	1,60	38,20	4.704	5.376	6.048	0,307
9,00	1,80	48,35	5.954	6.804	7.655	0,388
10,00	2,00	59,69	7.350	8.400	9.450	0,480
11,00	2,20	72,23	8.894	10.164	11.435	0,580

12+6+1 PLASTIFICATO



Int. fune Int. Rope Ø mm	Est. fune Out. Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
				140	160	180	
				kg/mm ²	kg/mm ²	kg/mm ²	
4,00	5,50	0,80	9,55	1.176	1.344	1.512	0,095
5,00	6,50	1,00	14,92	1.838	2.100	2.363	0,135
6,00	7,50	1,20	21,49	2.646	3.024	3.402	0,195
7,00	8,50	1,40	29,25	3.602	4.116	4.631	0,255
8,00	9,50	1,60	38,20	4.704	5.376	6.048	0,330
9,00	10,50	1,80	48,35	5.954	6.804	7.655	0,415
10,00	11,50	2,00	59,69	7.350	8.400	9.450	0,510
11,00	12,50	2,20	72,23	8.894	10.164	11.435	0,615

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

6 x 7 - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm ²	160 kg/mm ²	180 kg/mm ²	
8,00	0,85	23,83	2.976	3.401	3.826	0,240
9,00	1,00	32,99	3.766	4.304	4.842	0,310
10,00	1,10	39,91	4.649	5.314	5.978	0,370
11,00	1,22	49,10	5.626	6.429	7.233	0,450
12,00	1,30	55,75	6.695	7.652	8.608	0,520
13,00	1,40	64,65	7.857	8.980	10.102	0,620
14,00	1,50	74,22	9.113	10.415	11.716	0,715
15,00	1,65	89,81	10.461	11.956	13.450	0,830
16,00	1,80	106,88	11.902	13.603	15.303	0,930
18,00	2,00	131,95	15.064	17.216	19.368	1,180
20,00	2,20	159,66	18.598	21.254	23.911	1,440

EN 12385-4

6 x 7 - WSC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm ²	160 kg/mm ²	180 kg/mm ²	
8,00	0,85	27,81	3.213	3.672	4.131	0,260
9,00	1,00	38,48	4.067	4.647	5.228	0,330
10,00	1,10	46,57	5.020	5.738	6.455	0,400
11,00	1,22	57,28	6.075	6.942	7.810	0,480
12,00	1,30	65,04	7.229	8.262	9.295	0,580
13,00	1,40	75,43	8.484	9.697	10.909	0,680
14,00	1,50	86,59	9.840	11.246	12.651	0,800
15,00	1,65	104,77	11.296	12.910	14.523	0,900
16,00	1,80	124,69	12.852	14.688	16.524	1,020
18,00	2,00	153,94	16.266	18.590	20.914	1,296
20,00	2,20	186,27	20.082	22.950	25.819	1,600

6 x K7 - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm ²	160 kg/mm ²	180 kg/mm ²	
8,00	0,91	27,03	3.273	3.741	4.208	0,264
9,00	1,07	37,41	4.143	4.734	5.326	0,341
10,00	1,17	45,27	5.114	5.845	6.576	0,407
11,00	1,30	55,69	6.188	7.072	7.956	0,495
12,00	1,38	63,23	7.365	8.417	9.469	0,572
13,00	1,49	73,33	8.643	9.878	11.113	0,682
14,00	1,60	84,18	10.024	11.456	12.888	0,787
15,00	1,76	101,86	11.507	13.151	14.795	0,913
16,00	1,92	121,22	13.093	14.963	16.833	1,023
18,00	2,13	149,66	16.570	18.938	21.305	1,298
20,00	2,34	181,09	20.457	23.380	26.302	1,584

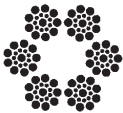
EN 12385-4

6 x K7 - WSC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm ²	160 kg/mm ²	180 kg/mm ²	
8,00	0,91	31,54	3.534	4.039	4.544	0,286
9,00	1,07	43,65	4.473	5.112	5.751	0,363
10,00	1,17	52,82	5.522	6.311	7.100	0,440
11,00	1,30	64,97	6.682	7.637	8.591	0,528
12,00	1,38	73,77	7.952	9.088	10.224	0,638
13,00	1,49	85,55	9.333	10.666	11.999	0,748
14,00	1,60	98,21	10.824	12.370	13.917	0,880
15,00	1,76	118,84	12.425	14.201	15.976	0,990
16,00	1,92	141,43	14.137	16.157	18.177	1,122
18,00	2,13	174,60	17.893	20.449	23.005	1,426
20,00	2,34	211,27	22.090	25.245	28.401	1,760

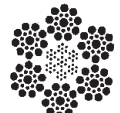
6 x 19S - SFC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			140	160	
12,00	0,96	57,05	7.610		0,520
13,00	1,04	66,95	9.005		0,610
14,00	1,12	77,65	10.400		0,710
15,00	1,20	89,14	11.950		0,820
16,00	1,28	101,42	13.500		0,930
17,00	1,36	114,50	15.300		1,040
18,00	1,44	128,36	17.100		1,200
19,00	1,52	143,02	19.105		1,280
20,00	1,60	158,47	21.100		1,450
21,00	1,68	174,72	23.350		1,550
22,00	1,76	191,75	25.600		1,750

EN 12385-4

6 x 19S - IWRC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



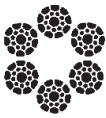
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			140	160	
12,00	0,96	66,43	10.150		0,590
14,00	1,12	90,41	13.900		0,810
16,00	1,28	118,09	18.300		1,060
18,00	1,44	149,46	23.000		1,330
20,00	1,60	184,52	28.400		1,640
22,00	1,76	223,27	34.400		1,990
24,00	1,92	265,71	40.700		2,350
26,00	2,08	311,84	47.900		2,770
28,00	2,24	361,66	54.800		3,220
30,00	2,40	415,17	62.600		3,680
32,00	2,56	472,37	71.400		4,190

EN 12385-4

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

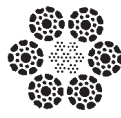
1 Kg/F = 9,81 N

6 x K19S - SFC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



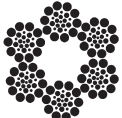
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
12,00	1,02	62,76	8.371	0,572
13,00	1,11	73,65	9.906	0,671
14,00	1,19	85,42	11.440	0,781
15,00	1,28	98,05	13.145	0,902
16,00	1,36	111,56	14.850	1,023
17,00	1,45	125,95	16.830	1,144
18,00	1,53	141,20	18.810	1,320
19,00	1,62	157,32	21.016	1,408
20,00	1,70	174,32	23.210	1,595
21,00	1,79	192,19	25.685	1,705
22,00	1,87	210,93	28.160	1,925

6 x K19S - IWRC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
12,00	1,02	73,07	11.165	0,649
14,00	1,19	99,45	15.290	0,891
16,00	1,36	129,90	20.130	1,166
18,00	1,53	164,41	25.300	1,463
20,00	1,70	202,97	31.240	1,804
22,00	1,87	245,60	37.840	2,189
24,00	2,04	292,28	44.770	2,585
26,00	2,22	343,02	52.690	3,047
28,00	2,39	397,83	60.280	3,542
30,00	2,56	456,69	68.860	4,048
32,00	2,73	519,61	78.540	4,609

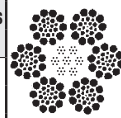
6 x 26WS - SFC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
16,00	1,17	100,10	15.202	0,900
18,00	1,32	126,68	19.240	1,130
20,00	1,46	156,40	23.753	1,410
22,00	1,61	189,24	28.741	1,590
24,00	1,75	225,22	34.204	2,000
26,00	1,90	264,32	40.142	2,360
28,00	2,05	306,54	46.555	2,740

EN 12385-4

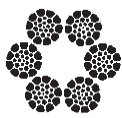
6 x 26WS - IWRC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
16,00	1,25	119,00	16.494	1,030
18,00	1,32	150,61	20.870	1,300
20,00	1,46	186,00	25.720	1,605
22,00	1,61	225,00	31.170	1,950
24,00	1,75	267,70	37.120	2,320
26,00	1,90	314,25	43.560	2,720
28,00	2,05	364,30	50.500	3,150

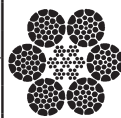
EN 12385-4

6 x K26WS - SFC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
16,00	1,25	117,10	18.300	1,050
18,00	1,40	148,20	23.000	1,328
20,00	1,56	182,97	28.400	1,640
22,00	1,71	221,39	34.400	1,984
24,00	1,87	263,48	40.700	2,362
26,00	2,02	309,22	47.900	2,772
28,00	2,18	358,62	54.800	3,214

6 x K26WS - IWRC (1.570 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
16,00	1,25	128,81	19.223	1,155
18,00	1,40	163,03	24.599	1,461
20,00	1,56	201,27	31.526	1,804
22,00	1,71	243,53	35.816	2,183
24,00	1,87	289,82	40.391	2,598
26,00	2,02	340,14	47.801	3,049
28,00	2,18	394,48	51.800	3,536

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

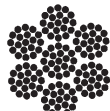
6 x 7 - WSC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	
6,00	0,65	16,26	2.324	2.582	0,142
8,00	0,85	27,81	4.131	4.590	0,260
9,00	1,00	38,48	5.228	5.809	0,330
10,00	1,10	46,57	6.455	7.172	0,400
11,00	1,22	57,28	7.810	8.678	0,480
12,00	1,30	65,04	9.295	10.328	0,580

EN 12385-4

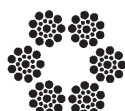
6 x 19N - WSC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	
8,00	0,53	29,71	3.821	4.246	0,256
9,00	0,60	37,60	4.836	5.374	0,324
10,00	0,67	46,43	5.971	6.634	0,400
11,00	0,73	56,18	7.224	8.027	0,484
12,00	0,80	66,85	8.598	9.553	0,576
13,00	0,87	78,46	10.090	11.211	0,676
14,00	0,93	90,99	11.702	13.003	0,784
16,00	1,07	118,85	15.285	16.983	1,024
18,00	1,20	150,42	19.345	21.494	1,296
20,00	1,33	185,70	23.882	26.536	1,600
22,00	1,47	224,70	28.898	32.109	1,936
24,00	1,60	267,41	34.391	38.212	2,304
26,00	1,73	313,84	40.361	44.846	2,704

EN 12385-4

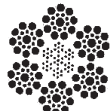
6 x 19S - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	
12,00	0,96	57,05	8.574	9.527	0,520
13,00	1,04	66,95	10.063	11.181	0,610
14,00	1,12	77,65	11.671	12.967	0,710
15,00	1,20	89,14	13.397	14.886	0,820
16,00	1,28	101,42	15.243	16.937	0,930
17,00	1,36	114,50	17.208	19.120	1,040
18,00	1,44	128,36	19.292	21.436	1,200
19,00	1,52	143,02	21.495	23.884	1,280
20,00	1,60	158,47	23.818	26.464	1,450
21,00	1,68	174,72	26.259	29.177	1,550
22,00	1,76	191,75	28.819	32.021	1,750

EN 12385-4

6 x 19S - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	
10,00	0,80	46,13	6.431	7.146	0,420
12,00	0,96	66,43	9.261	10.290	0,590
14,00	1,12	90,41	12.606	14.006	0,810
16,00	1,28	118,09	16.464	18.294	1,060
18,00	1,44	149,46	20.838	23.153	1,330
20,00	1,60	184,52	25.726	28.584	1,640
22,00	1,76	223,27	31.128	34.587	1,990
24,00	1,92	265,71	37.045	41.161	2,350
26,00	2,08	311,84	43.476	48.307	2,770

EN 12385-4

12+6+1



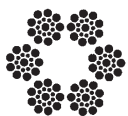
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			140 kg/mm ²	160 kg/mm ²	180 kg/mm ²	
8,00	1,60	38,20	4.706	5.379	6.051	0,307
9,00	1,80	48,35	5.957	6.808	7.658	0,388
10,00	2,00	59,69	7.354	8.404	9.455	0,480
10,50	2,10	65,81	8.108	9.266	10.424	0,529
11,00	2,20	72,23	8.898	10.169	11.440	0,580
11,50	2,30	78,94	9.725	11.115	12.504	0,634
12,00	2,40	85,95	10.590	12.102	13.615	0,691
13,50	2,70	108,79	13.402	15.317	17.232	0,874
14,00	2,80	116,99	14.414	16.473	18.532	0,940
15,00	3,00	134,30	16.546	18.910	21.274	1,079
17,00	3,40	172,50	21.253	24.289	27.325	1,386
18,00	3,60	193,40	23.826	27.230	30.634	1,554
20,00	4,00	238,76	29.415	33.618	37.820	1,918
22,00	4,40	288,90	35.593	40.677	45.762	2,321
24,00	4,80	343,82	42.358	48.409	54.460	2,762
26,00	5,20	403,51	49.712	56.814	63.915	3,242



REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

6 x 19S - SFC (1.370 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
5,00	0,40	9,90	1.260	0,091
6,00	0,48	14,26	1.814	0,131
7,00	0,56	19,41	2.469	0,178
8,00	0,64	25,36	3.231	0,232
9,00	0,72	32,09	4.088	0,294
10,00	0,80	39,62	5.046	0,363
11,00	0,88	47,94	6.106	0,439
12,00	0,96	57,05	7.268	0,520
13,00	1,04	66,95	8.532	0,610
14,00	1,12	77,65	9.888	0,710
15,00	1,20	89,14	11.315	0,820
16,00	1,28	101,42	12.946	0,930
18,00	1,44	128,36	16.310	1,200
19,00	1,52	143,02	18.247	1,280
20,00	1,60	158,47	20.183	1,450

EN 12385-5

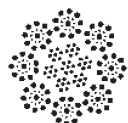


8 x 19S - SFC (1.370 N/mm² outside wires and 1.770 N/mm² inside wires)

Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
5,00	0,33	8,70	1.137	0,083
6,00	0,39	12,53	1.624	0,119
7,00	0,46	17,06	2.206	0,162
8,00	0,52	22,28	2.867	0,212
9,00	0,59	28,20	3.694	0,268
9,50	0,62	31,42	4.105	0,298
10,00	0,65	34,81	4.461	0,331
11,00	0,72	42,12	5.479	0,400
12,00	0,78	50,13	6.602	0,476
12,70	0,83	56,15	7.276	0,533
13,00	0,85	58,83	7.615	0,559
14,00	0,91	68,23	8.930	0,648
15,00	0,98	78,32	10.218	0,744
16,00	1,04	89,11	11.608	0,846
18,00	1,17	112,78	14.638	1,071
19,00	1,24	125,66	16.274	1,193
20,00	1,30	139,24	18.171	1,322
21,00	1,37	153,51	19.829	1,458
22,00	1,43	168,48	21.917	1,600
23,00	1,50	184,14	24.110	1,749
24,00	1,56	200,51	26.014	1,904

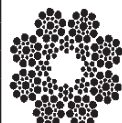
EN 12385-5

8 x 19S - IWRC (1.370 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
5,00	0,33	11,48	1.404	0,100
6,00	0,39	16,53	2.001	0,144
7,00	0,46	22,50	2.714	0,196
8,00	0,52	29,38	3.649	0,256
9,00	0,59	37,19	4.618	0,324
9,50	0,62	41,43	5.046	0,361
10,00	0,65	45,91	5.698	0,400
11,00	0,72	55,55	6.891	0,484
12,00	0,78	66,11	8.206	0,576
12,70	0,83	74,05	8.936	0,645
13,00	0,85	77,59	9.633	0,676
14,00	0,91	89,98	11.213	0,784
15,00	0,98	103,30	12.844	0,900
16,00	1,04	117,53	14.577	1,024
18,00	1,17	148,75	18.451	1,296
19,00	1,24	165,74	20.591	1,444
20,00	1,30	183,64	22.834	1,600
21,00	1,37	202,46	24.341	1,764
22,00	1,43	222,20	27.625	1,936
23,00	1,50	242,86	29.565	2,116
24,00	1,56	264,44	31.951	2,304

EN 12385-5



8 x 19S - PWRC (1.370 N/mm² outside wires and 1.770 N/mm² inside wires)

Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
5,00	0,33	11,46	1.389	0,106
6,00	0,39	16,50	1.988	0,153
7,00	0,46	22,45	2.701	0,208
8,00	0,52	29,32	3.516	0,272
9,00	0,59	37,11	4.508	0,344
9,50	0,62	41,35	5.042	0,384
10,00	0,65	45,82	5.477	0,425
11,00	0,72	55,44	6.700	0,514
12,00	0,78	65,98	8.046	0,612
12,70	0,83	73,90	8.944	0,685
13,00	0,85	77,44	9.324	0,718
14,00	0,91	89,81	10.901	0,833
15,00	0,98	103,10	12.484	0,956
16,00	1,04	117,30	14.189	1,088
18,00	1,17	148,46	17.909	1,377
19,00	1,24	165,41	19.923	1,534
20,00	1,30	183,28	22.200	1,700
21,00	1,37	202,07	24.292	1,874
22,00	1,43	221,77	26.799	2,057
23,00	1,50	242,39	29.429	2,248
24,00	1,56	263,92	31.831	2,448

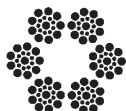
EN 12385-5

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

SPEED LIMITING WIRE ROPES

6 x 19S - SFC (1.370 N/mm² outside wires and 1.770 N/mm² inside wires)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
5,00	0,40	9,90	1.260	0,091
6,00	0,48	14,26	1.814	0,131
7,00	0,56	19,41	2.469	0,178
8,00	0,64	25,36	3.231	0,232
9,00	0,72	32,09	4.088	0,294
10,00	0,80	39,62	5.046	0,363

EN 12385-5

COUNTERWEIGHT WIRE ROPES
12+6+1

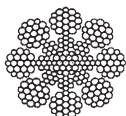


Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
3,00	0,60	5,37	378	0,043
3,50	0,70	7,31	515	0,060
4,00	0,80	9,55	672	0,080
4,50	0,90	12,09	851	0,097
5,00	1,00	14,92	1.051	0,120
5,50	1,10	18,06	1.271	0,145
6,00	1,20	21,49	1.513	0,176
6,50	1,30	25,22	1.775	0,203
7,00	1,40	29,25	2.059	0,235
7,50	1,50	33,58	2.364	0,270
8,00	1,60	38,20	2.689	0,307
9,00	1,80	48,35	3.404	0,388
10,00	2,00	59,69	4.202	0,480

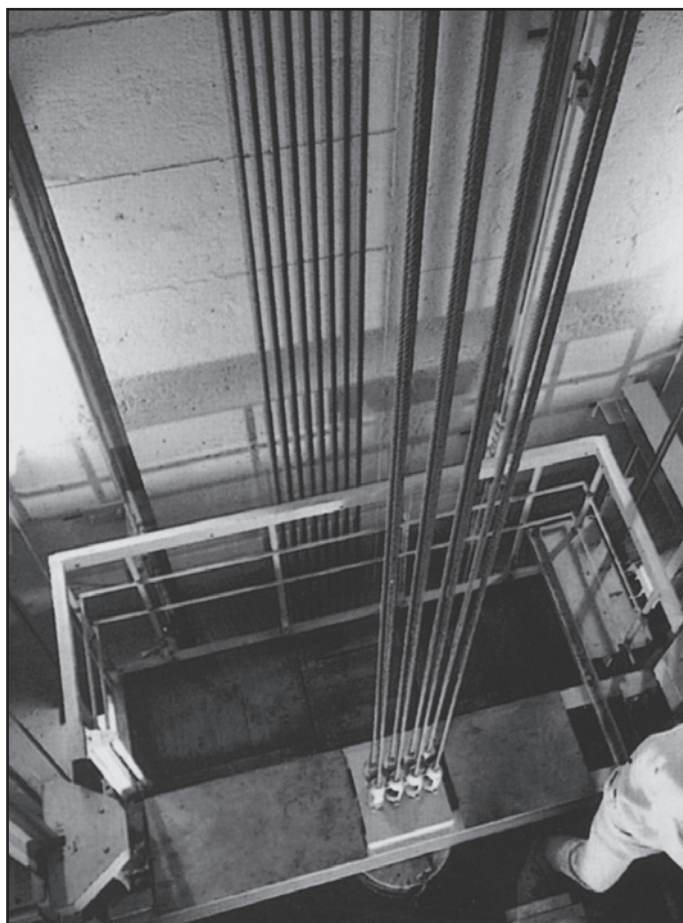
EN 12385-10

GEARLESS ELEVATORS

8 x 19W - IWRC



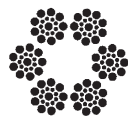
Fune Rope Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf) 180 kg/mm ²	Peso lin. Lenght mass kg/m
6,00	16,79	2.736	0,142
6,50	19,70	3.211	0,167
8,00	29,84	4.863	0,253
9,00	37,77	6.156	0,320
10,00	46,63	7.599	0,400
11,00	56,42	9.196	0,480
12,00	67,14	10.944	0,570
13,00	78,80	12.844	0,668
14,00	81,39	14.896	0,775
15,00	104,91	17.100	0,889
16,00	119,37	19.456	1,011
18,00	151,07	24.624	1,280
19,00	168,32	27.435	1,427
20,00	186,51	30.400	1,581



REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

6 x 19S - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
6,00	0,48	14,26	2.144	2.382	2.620	0,131
7,00	0,56	19,41	2.918	3.242	3.566	0,178
8,00	0,64	25,36	3.811	4.234	4.658	0,232
9,00	0,72	32,09	4.823	5.359	5.895	0,294
10,00	0,80	39,62	5.954	6.616	7.278	0,363
11,00	0,88	47,94	7.205	8.005	8.806	0,439
12,00	0,96	57,05	8.574	9.527	10.480	0,520
13,00	1,04	66,95	10.063	11.181	12.299	0,610
14,00	1,12	77,65	11.671	12.967	14.264	0,710
15,00	1,20	89,14	13.397	14.886	16.375	0,820
16,00	1,28	101,42	15.243	16.937	18.631	0,930
17,00	1,36	114,50	17.208	19.120	21.032	1,040
18,00	1,44	128,36	19.292	21.436	23.579	1,200
19,00	1,52	143,02	21.495	23.884	26.272	1,280
20,00	1,60	158,47	23.818	26.464	29.110	1,450
21,00	1,68	174,72	26.259	29.177	32.094	1,550
22,00	1,76	191,75	28.819	32.021	35.224	1,750

EN 12385-4

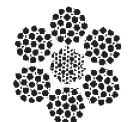
6 x 25F - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
7,00	0,45	20,25	2.978	3.308	3.639	0,181
8,00	0,51	26,45	3.811	4.234	4.658	0,237
9,00	0,58	33,48	4.823	5.359	5.895	0,300
10,00	0,64	41,33	5.954	6.616	7.278	0,370
11,00	0,70	50,01	7.205	8.005	8.806	0,448
12,00	0,77	59,52	8.574	9.527	10.480	0,533
13,00	0,83	69,85	10.063	11.181	12.299	0,625
14,00	0,90	81,01	11.671	12.967	14.264	0,725
15,00	0,96	92,99	13.397	14.886	16.375	0,833
16,00	1,02	105,80	15.243	16.937	18.631	0,947
17,00	1,09	119,44	17.208	19.120	21.032	1,069
18,00	1,15	133,91	19.292	21.436	23.579	1,199
19,00	1,22	149,20	21.495	23.884	26.272	1,336
20,00	1,28	165,32	23.818	26.464	29.110	1,480
21,00	1,34	182,27	26.259	29.177	32.094	1,632
22,00	1,41	200,04	28.819	32.021	35.224	1,791

EN 12385-4

6 x 25F - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
7,00	0,45	23,44	3.216	3.573	3.930	0,206
8,00	0,51	30,62	4.200	4.667	5.134	0,269
9,00	0,58	38,75	5.316	5.907	6.497	0,340
10,00	0,64	47,84	6.563	7.292	8.021	0,420
11,00	0,70	57,89	7.941	8.823	9.706	0,508
12,00	0,77	68,89	9.450	10.500	11.551	0,605
13,00	0,83	80,85	11.091	12.323	13.556	0,710
14,00	0,90	93,77	12.863	14.292	15.722	0,823
15,00	0,96	107,65	14.766	16.407	18.048	0,945
16,00	1,02	122,48	16.801	18.668	20.534	1,075
17,00	1,09	138,26	18.966	21.074	23.181	1,214
18,00	1,15	155,01	21.263	23.626	25.989	1,361
19,00	1,22	172,71	23.692	26.324	28.957	1,516
20,00	1,28	191,37	26.251	29.168	32.085	1,680
21,00	1,34	210,99	28.942	32.158	35.373	1,852
22,00	1,41	231,56	31.764	35.293	38.823	2,033

EN 12385-4

6 x K25F - IWRC

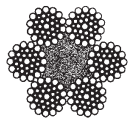


Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
7,00	0,48	25,79	3.537	3.930	4.323	0,226
8,00	0,55	33,68	4.620	5.134	5.647	0,296
9,00	0,61	42,63	5.847	6.497	7.147	0,374
10,00	0,68	52,63	7.219	8.021	8.823	0,462
11,00	0,75	63,68	8.735	9.706	10.676	0,559
12,00	0,82	75,78	10.395	11.551	12.706	0,665
13,00	0,89	88,94	12.200	13.556	14.911	0,781
14,00	0,95	103,15	14.149	15.722	17.294	0,906
15,00	1,02	118,41	16.243	18.048	19.852	1,040
16,00	1,09	134,72	18.481	20.534	22.588	1,183
17,00	1,16	152,09	20.863	23.181	25.499	1,335
18,00	1,23	170,51	23.390	25.989	28.588	1,497
19,00	1,30	189,98	26.061	28.957	31.852	1,668
20,00	1,36	210,51	28.876	32.085	35.293	1,848
21,00	1,43	232,08	31.836	35.373	38.911	2,037
22,00	1,50	254,71	34.940	38.823	42.705	2,236

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

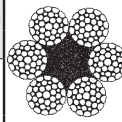
6 x 36WS - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,45	26,18	3.798	4.220	4.642	0,232
10,00	0,57	40,90	5.935	6.594	7.253	0,363
12,00	0,68	58,90	8.546	9.495	10.445	0,522
14,00	0,79	80,16	11.632	12.924	14.217	0,711
16,00	0,90	104,70	15.193	16.881	18.569	0,928
18,00	1,02	132,52	19.228	21.365	23.501	1,175
20,00	1,13	163,60	23.738	26.376	29.014	1,450
22,00	1,24	197,96	28.723	31.915	35.106	1,755
24,00	1,36	235,58	34.183	37.981	41.780	2,088
26,00	1,47	276,48	40.118	44.575	49.033	2,451
28,00	1,58	320,66	46.527	51.697	56.867	2,842
30,00	1,70	368,10	53.411	59.346	65.281	3,263
32,00	1,81	418,82	60.770	67.523	74.275	3,712
34,00	1,92	472,80	68.604	76.227	83.849	4,191
36,00	2,03	530,06	76.912	85.458	94.004	4,698
38,00	2,15	590,60	85.696	95.217	104.739	5,235
40,00	2,26	654,40	94.954	105.504	116.054	5,800
42,00	2,37	721,48	104.686	116.318	127.950	6,395
44,00	2,49	791,82	114.894	127.660	140.426	7,018

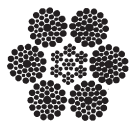
EN 12385-4

6 x K36WS - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,48	28,79	4.178	4.642	5.106	0,255
10,00	0,60	44,99	6.528	7.253	7.979	0,399
12,00	0,72	64,79	9.400	10.445	11.489	0,574
14,00	0,84	88,18	12.795	14.217	15.638	0,782
16,00	0,96	115,17	16.712	18.569	20.426	1,021
18,00	1,08	145,77	21.151	23.501	25.851	1,292
20,00	1,20	179,96	26.112	29.014	31.915	1,595
22,00	1,32	217,75	31.596	35.106	38.617	1,930
24,00	1,44	259,14	37.602	41.780	45.958	2,297
26,00	1,56	304,13	44.130	49.033	53.936	2,696
28,00	1,68	352,72	51.180	56.867	62.553	3,126
30,00	1,81	404,91	58.753	65.281	71.809	3,589
32,00	1,93	460,70	66.847	74.275	81.702	4,083
34,00	2,05	520,08	75.464	83.849	92.234	4,610
36,00	2,17	583,07	84.604	94.004	103.404	5,168
38,00	2,29	649,66	94.265	104.739	115.213	5,758
40,00	2,41	719,84	104.449	116.054	127.660	6,380
42,00	2,53	793,62	115.155	127.950	140.745	7,034
44,00	2,65	871,01	126.383	140.426	154.468	7,720

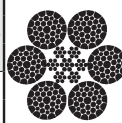
6 x 36WS - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,45	30,34	4.102	4.558	5.014	0,264
10,00	0,57	47,41	6.410	7.122	7.834	0,413
12,00	0,68	68,27	9.230	10.256	11.281	0,594
14,00	0,79	92,93	12.563	13.959	15.355	0,809
16,00	0,90	121,38	16.409	18.232	20.056	1,056
18,00	1,02	153,62	20.768	23.075	25.383	1,337
20,00	1,13	189,65	25.639	28.488	31.337	1,650
22,00	1,24	229,48	31.023	34.470	37.918	1,997
24,00	1,36	273,10	36.920	41.023	45.125	2,376
26,00	1,47	320,51	43.330	48.145	52.959	2,789
28,00	1,58	371,71	50.253	55.836	61.420	3,234
30,00	1,70	426,71	57.688	64.098	70.508	3,713
32,00	1,81	485,50	65.636	72.929	80.222	4,224
34,00	1,92	548,09	74.097	82.330	90.563	4,769
36,00	2,03	614,47	83.071	92.301	101.531	5,346
38,00	2,15	684,64	92.558	102.842	113.126	5,957
40,00	2,26	758,60	102.557	113.952	125.347	6,600
42,00	2,37	836,36	113.069	125.632	138.195	7,277
44,00	2,49	917,91	124.094	137.882	151.670	7,986

EN 12385-4

6 x K36WS - IWRC

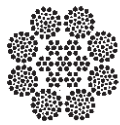


Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,48	33,38	4.512	5.014	5.515	0,290
10,00	0,60	52,15	7.051	7.834	8.618	0,454
12,00	0,72	75,10	10.153	11.281	12.409	0,653
14,00	0,84	102,22	13.820	15.355	16.891	0,889
16,00	0,96	133,51	18.050	20.056	22.061	1,162
18,00	1,08	168,98	22.845	25.383	27.921	1,470
20,00	1,20	208,62	28.203	31.337	34.470	1,815
22,00	1,32	252,42	34.126	37.918	41.709	2,196
24,00	1,44	300,41	40.612	45.125	49.637	2,614
26,00	1,56	352,56	47.663	52.959	58.255	3,067
28,00	1,68	408,89	55.278	61.420	67.562	3,557
30,00	1,81	469,38	63.457	70.508	77.559	4,084
32,00	1,93	534,05	72.200	80.222	88.244	4,646
34,00	2,05	602,90	81.507	90.563	99.620	5,245
36,00	2,17	675,91	91.378	101.531	111.684	5,881
38,00	2,29	753,10	101.813	113.126	124.438	6,552
40,00	2,41	834,46	112.812	125.347	137.882	7,260
42,00	2,53	919,99	124.376	138.195	152.015	8,004
44,00	2,65	1009,70	136.503	151.670	166.837	8,785

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

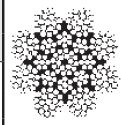
8 x 36WS - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,37	30,10	4.111	4.552	5.017	0,256
10,00	0,47	47,03	6.423	7.113	7.839	0,400
12,00	0,56	67,72	9.249	10.242	11.287	0,576
14,00	0,65	92,17	12.590	13.941	15.363	0,784
16,00	0,74	120,39	16.444	18.209	20.067	1,024
18,00	0,84	152,37	20.811	23.045	25.397	1,296
20,00	0,93	188,11	25.693	28.451	31.354	1,600
22,00	1,02	227,61	31.089	34.426	37.938	1,936
24,00	1,12	270,88	36.998	40.969	45.150	2,304
26,00	1,21	317,91	43.421	48.082	52.988	2,704
28,00	1,30	368,70	50.358	55.764	61.454	3,136
30,00	1,40	423,25	57.809	64.015	70.547	3,600
32,00	1,49	481,56	65.774	72.835	80.266	4,096
34,00	1,58	543,64	74.253	82.223	90.613	4,624
36,00	1,67	609,48	83.245	92.181	101.587	5,184
38,00	1,77	679,08	92.752	102.708	113.188	5,776
40,00	1,86	752,44	102.772	113.804	125.416	6,400
42,00	1,95	829,57	113.306	125.469	138.271	7,056
44,00	2,05	910,45	124.354	137.703	151.753	7,744
46,00	2,14	995,10	135.916	150.506	165.863	8,464
48,00	2,23	1083,51	147.992	163.878	180.599	9,216

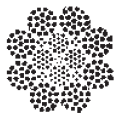
EN 12385-4

8 x 25F - PWRC "HICRO"



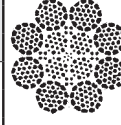
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,42	33,47	5.472	6.080	6.688	0,280
8,50	0,45	37,79	6.177	6.864	7.550	0,316
9,00	0,47	42,36	6.926	7.695	8.465	0,354
10,00	0,53	52,30	8.550	9.500	10.450	0,438
11,00	0,58	63,28	10.346	11.495	12.645	0,529
12,00	0,63	75,31	12.312	13.680	15.048	0,630
13,00	0,68	88,39	14.450	16.055	17.661	0,739
14,00	0,74	102,51	16.758	18.620	20.482	0,858
15,00	0,79	117,68	19.238	21.375	23.513	0,984
16,00	0,84	133,89	21.888	24.320	26.752	1,120
18,00	0,95	169,45	27.702	30.780	33.858	1,418
20,00	1,05	209,20	34.200	38.000	41.800	1,750
22,00	1,16	253,13	41.382	45.980	50.578	2,118
24,00	1,26	301,25	49.248	54.720	60.192	2,520
26,00	1,37	353,55	57.798	64.220	70.642	2,958
28,00	1,47	410,03	67.032	74.480	81.928	3,430

8 x 25F - PWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
12,00	0,63	77,40	12.002	13.324	14.656	0,648
14,00	0,74	105,35	16.337	18.135	19.948	0,882
16,00	0,84	137,60	21.338	23.686	26.055	1,152
18,00	0,95	174,15	27.005	29.978	32.976	1,458
20,00	1,05	215,00	33.340	37.010	40.711	1,800
22,00	1,16	260,15	40.341	44.782	49.260	2,178
24,00	1,26	309,60	48.010	53.294	58.624	2,592
26,00	1,37	363,35	56.345	62.547	68.802	3,042
28,00	1,47	421,40	65.346	72.540	79.794	3,528
30,00	1,58	483,75	75.015	83.273	91.600	4,050
32,00	1,68	550,40	85.350	94.746	104.220	4,608
34,00	1,79	621,35	96.353	106.959	117.655	5,202
36,00	1,89	696,60	108.022	119.912	131.904	5,832
38,00	2,00	776,15	120.357	132.270	144.027	6,498
40,00	2,10	860,00	133.360	146.560	159.587	7,200
42,00	2,21	948,15	147.029	161.582	175.945	7,938
44,00	2,31	1040,60	161.366	177.337	193.100	8,712
46,00	2,42	1137,35	176.369	193.825	211.054	9,522

8 x K25F - PWRC

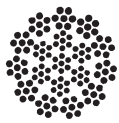


Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
12,00	0,67	85,32	13.203	14.656	16.122	0,684
14,00	0,78	116,13	17.970	19.948	21.943	0,931
16,00	0,89	151,68	23.471	26.055	28.660	1,216
18,00	1,00	191,97	29.706	32.976	36.273	1,539
20,00	1,11	237,00	36.674	40.711	44.782	1,900
22,00	1,22	286,77	44.376	49.260	54.186	2,299
24,00	1,33	341,28	52.811	58.624	64.486	2,736
26,00	1,44	400,53	61.979	68.802	75.682	3,211
28,00	1,55	464,52	71.881	79.794	87.773	3,724
30,00	1,67	533,25	82.517	91.600	100.760	4,275
32,00	1,78	606,72	93.885	103.178	112.349	4,864
34,00	1,89	684,93	105.988	116.478	126.832	5,491
36,00	2,00	767,88	118.824	130.585	142.192	6,156
38,00	2,11	855,57	132.393	145.497	158.430	6,859
40,00	2,22	948,00	146.696	161.216	175.545	7,600
42,00	2,33	1045,17	161.732	177.740	193.539	8,379
44,00	2,44	1147,08	177.502	195.071	212.410	9,196
46,00	2,55	1253,73	194.005	213.208	232.159	10,051

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

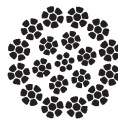
19 x 7



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
3,00	0,20	4,18	531	590	649	0,036
4,00	0,26	7,06	944	1.049	1.154	0,064
5,00	0,32	10,70	1.476	1.640	1.803	0,100
6,00	0,40	16,71	2.125	2.361	2.597	0,145
7,00	0,45	21,15	2.892	3.213	3.535	0,200
8,00	0,50	26,11	3.777	4.197	4.617	0,250
9,00	0,58	35,14	4.781	5.312	5.843	0,324
10,00	0,65	44,13	5.902	6.558	7.214	0,400
11,00	0,70	51,18	7.142	7.935	8.729	0,484
12,00	0,80	66,85	8.499	9.444	10.388	0,576
13,00	0,85	75,47	9.975	11.083	12.191	0,676
14,00	0,90	84,61	11.568	12.854	14.139	0,784
15,00	0,98	100,32	13.280	14.756	16.231	0,900
16,00	1,05	115,16	15.110	16.788	18.467	1,024
18,00	1,15	138,15	19.123	21.248	23.373	1,296
20,00	1,30	176,53	23.609	26.232	28.855	1,600
22,00	1,45	219,62	28.567	31.741	34.915	1,936
24,00	1,55	250,96	33.997	37.774	41.551	2,304
26,00	1,70	301,88	39.899	44.332	48.765	2,704
28,00	1,80	338,44	46.273	51.415	56.556	3,136
30,00	1,93	389,10	53.120	59.022	64.924	3,600

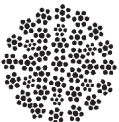
EN 12385-4

19 x K7



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
3,00	0,21	4,74	584	649	714	0,040
4,00	0,28	8,01	1.039	1.154	1.270	0,070
5,00	0,34	12,13	1.623	1.803	1.984	0,110
6,00	0,43	18,96	2.337	2.597	2.857	0,160
7,00	0,48	23,99	3.181	3.535	3.888	0,220
8,00	0,53	29,62	4.155	4.617	5.079	0,275
9,00	0,62	39,86	5.259	5.843	6.427	0,356
10,00	0,69	50,06	6.492	7.214	7.935	0,440
11,00	0,75	58,05	7.856	8.729	9.602	0,532
12,00	0,85	75,83	9.349	10.388	11.427	0,634
13,00	0,91	85,60	10.972	12.191	13.410	0,744
14,00	0,96	95,97	12.725	14.139	15.553	0,862
15,00	1,04	113,79	14.608	16.231	17.854	0,990
16,00	1,12	130,62	16.621	18.467	20.314	1,126
18,00	1,22	156,69	21.035	23.373	25.710	1,426
20,00	1,38	200,23	25.970	28.855	31.741	1,760
22,00	1,54	249,10	31.423	34.915	38.406	2,130
24,00	1,65	284,65	37.396	41.551	45.707	2,534
26,00	1,81	342,40	43.889	48.765	53.642	2,974
28,00	1,92	383,87	50.901	56.556	62.212	3,450
30,00	2,06	441,32	58.432	64.924	71.417	3,960

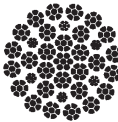
35(W) x 7



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,40	30,21	4.147	4.608	4.928	0,269
9,00	0,45	38,23	5.249	5.832	6.237	0,340
10,00	0,50	47,20	6.480	7.200	7.700	0,420
11,00	0,55	57,11	7.841	8.712	9.317	0,508
12,00	0,60	67,97	9.331	10.368	11.088	0,605
13,00	0,65	79,77	10.951	12.168	13.013	0,710
14,00	0,70	92,51	12.701	14.112	15.092	0,823
15,00	0,75	106,20	14.580	16.200	17.325	0,945
16,00	0,80	120,83	16.589	18.432	19.712	1,075
17,00	0,85	136,41	18.727	20.808	22.253	1,214
18,00	0,90	152,93	20.995	23.328	24.948	1,361
19,00	0,95	170,39	23.393	25.992	27.797	1,516
20,00	1,00	188,80	25.920	28.800	30.800	1,680
22,00	1,10	228,45	31.363	34.848	37.268	2,033
24,00	1,20	271,87	37.325	41.472	44.352	2,420
25,00	1,25	295,00	40.500	45.000	48.125	2,625
26,00	1,30	319,07	43.805	48.672	52.052	2,840
28,00	1,40	370,05	50.803	56.448	60.368	3,292
30,00	1,50	424,80	58.320	64.800	69.300	3,780
32,00	1,60	483,33	66.355	73.728	78.848	4,301
34,00	1,70	545,63	74.909	83.232	89.012	4,855
36,00	1,80	611,71	83.981	93.312	99.792	5,443
38,00	1,90	681,57	93.571	103.968	111.188	6,065
40,00	2,00	755,20	103.680	115.200	123.200	6,721

EN 12385-4

35(W) x K7

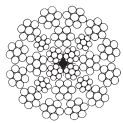


Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
8,00	0,43	34,20	5.200	5.761	6.348	0,310
9,00	0,48	43,28	6.626	7.340	8.053	0,393
10,00	0,53	53,43	8.124	9.001	9.918	0,485
11,00	0,59	64,65	9.830	10.891	12.001	0,587
12,00	0,64	76,94	11.699	12.961	14.283	0,698
13,00	0,69	90,30	13.730	15.212	16.762	0,820
14,00	0,75	104,72	15.924	17.642	19.440	0,951
15,00	0,80	120,22	18.280	20.252	22.317	1,091
16,00	0,85	136,78	20.798	23.043	25.391	1,242
17,00	0,91	154,41	23.479	26.013	28.664	1,402
18,00	0,96	173,11	26.323	29.163	32.163	1,571
19,00	1,01	192,88	29.329	32.494	35.806	1,751
20,00	1,07	213,72	32.497	36.004	39.634	1,940
22,00	1,17	258,60	39.322	43.565	47.861	2,347
24,00	1,28	307,76	46.796	51.846	56.787	2,794
25,00	1,33	333,94	50.777	56.256	61.556	3,031
26,00	1,38	361,19	54.921	60.847	66.445	3,279
28,00	1,49	418,89	63.695	70.568	76.983	3,802
30,00	1,60	480,87	73.119	81.009	88.195	4,365
32,00	1,70	547,12	83.193	92.170	100.143	4,966
34,00	1,81	617,65	93.918	104.052	112.708	5,607
36,00	1,92	692,45	105.292	116.653	126.358	6,286
38,00	2,02	771,53	117.316	129.975	140.644	7,003
40,00	2,14	854,88	129.970	144.037	155.555	7,760

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

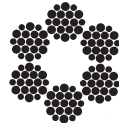
1 Kg/F = 9,81 N

24(W) x 7



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
7,20	0,47	24,66	3.502	3.891	4.280	0,210
8,00	0,52	30,44	4.672	5.191	5.710	0,270
9,00	0,59	38,53	5.727	6.364	7.000	0,330
10,00	0,65	47,57	7.175	7.973	8.770	0,420
11,00	0,72	57,56	8.673	9.636	10.600	0,510
12,00	0,78	68,50	10.391	11.545	12.700	0,605
12,70	0,83	76,72	10.849	12.055	13.260	0,667
13,00	0,85	80,39	12.101	13.445	14.790	0,710
14,00	0,91	93,24	14.605	16.227	17.850	0,855
15,00	0,98	107,03	15.856	17.618	19.380	0,940
16,00	1,04	121,78	18.360	20.400	22.440	1,080
17,00	1,11	137,48	20.737	23.041	25.345	1,248
18,00	1,17	154,13	22.909	25.455	28.000	1,360
19,00	1,24	171,73	25.855	28.727	31.600	1,535
20,00	1,30	190,28	27.900	31.000	34.100	1,670
22,00	1,43	230,24	34.200	38.000	41.800	2,030

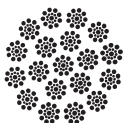
6 x 19W - SFC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
6,00	0,46	13,78	2.144	2.382	2.620	0,132
7,00	0,54	18,75	2.918	3.242	3.566	0,180
8,00	0,61	24,49	3.811	4.234	4.658	0,235
8,50	0,65	27,65	4.302	4.780	5.258	0,266
9,00	0,69	31,00	4.823	5.359	5.895	0,298
10,00	0,77	38,27	5.954	6.616	7.278	0,368
11,00	0,84	46,31	7.205	8.005	8.806	0,445
12,00	0,92	55,11	8.574	9.527	10.480	0,529
13,00	1,00	64,68	10.063	11.181	12.299	0,621

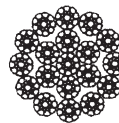
*(Ø of wire indicated is the biggest of outer wires)
EN 12385-4

19 x 19S



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
10,00	0,46	44,61	6.725	7.473	8.220	0,440
11,00	0,51	53,98	8.182	9.091	10.000	0,532
12,00	0,55	64,24	9.818	10.909	12.000	0,634
12,70	0,58	71,95	10.950	11.850	13.000	0,695
13,00	0,60	75,39	11.373	12.636	13.900	0,744
14,00	0,64	87,44	13.500	15.000	16.500	0,862
15,00	0,69	100,37	15.136	16.818	18.500	0,990
16,00	0,74	114,20	17.345	19.273	21.200	1,126
17,00	0,78	128,92	19.636	21.818	24.000	1,272
18,00	0,83	144,54	21.845	24.273	26.700	1,426
19,00	0,87	161,04	24.545	27.273	30.000	1,588
20,00	0,92	178,44	27.000	30.000	33.000	1,760
22,00	1,01	215,91	32.727	36.364	40.000	2,130
24,00	1,10	256,95	39.273	43.636	48.000	2,534
25,40	1,17	287,81	41.800	46.400	51.000	2,839
26,00	1,20	301,56	44.182	49.091	54.000	2,974
28,00	1,29	349,74	51.545	57.273	63.000	3,450
30,00	1,38	401,49	58.909	65.455	72.000	3,960
32,00	1,47	456,81	67.091	74.545	82.000	4,506
34,00	1,56	515,69	76.091	84.545	93.000	5,086
36,00	1,66	578,15	85.091	94.545	104.000	5,702

19 x K19S

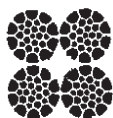


Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm ²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm ²	200 kg/mm ²	220 kg/mm ²	
10,00	0,49	56,50	7.241	8.045	8.850	0,484
12,00	0,59	81,36	10.427	11.585	12.744	0,697
12,70	0,62	91,13	11.679	12.977	14.274	0,781
13,00	0,64	95,49	12.237	13.597	14.957	0,818
14,00	0,69	110,74	14.192	15.769	17.346	0,949
15,00	0,74	127,13	16.292	18.102	19.913	1,089
15,88	0,78	142,48	18.260	20.289	22.317	1,221
16,00	0,78	144,64	18.537	20.596	22.656	1,239
18,00	0,88	183,06	23.461	26.067	28.674	1,568
19,00	0,93	203,97	26.140	29.044	31.949	1,747
19,05	0,93	205,04	26.277	29.197	32.117	1,756
20,00	0,98	226,00	28.964	32.182	35.400	1,936
22,00	1,08	273,46	35.046	38.940	42.834	2,343
22,23	1,09	279,21	35.783	39.758	43.734	2,392
24,00	1,18	325,44	41.708	46.342	50.976	2,788
26,00	1,27	381,94	48.949	54.387	59.826	3,272
28,00	1,37	442,96	56.769	63.076	69.384	3,795
28,58	1,40	461,50	59.145	65.717	72.288	3,953
30,00	1,47	508,50	65.168	72.409	79.650	4,356
31,75	1,56	569,56	72.993	81.103	89.214	4,879
32,00	1,57	578,56	74.147	82.385	90.624	4,956

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

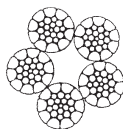
4 x K26WS - SFC (1960 N/mm²)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
8,40	0,63	4.587	0,260
11,50	1,02	9.174	0,530
16,30*	1,05	17.329	1,040

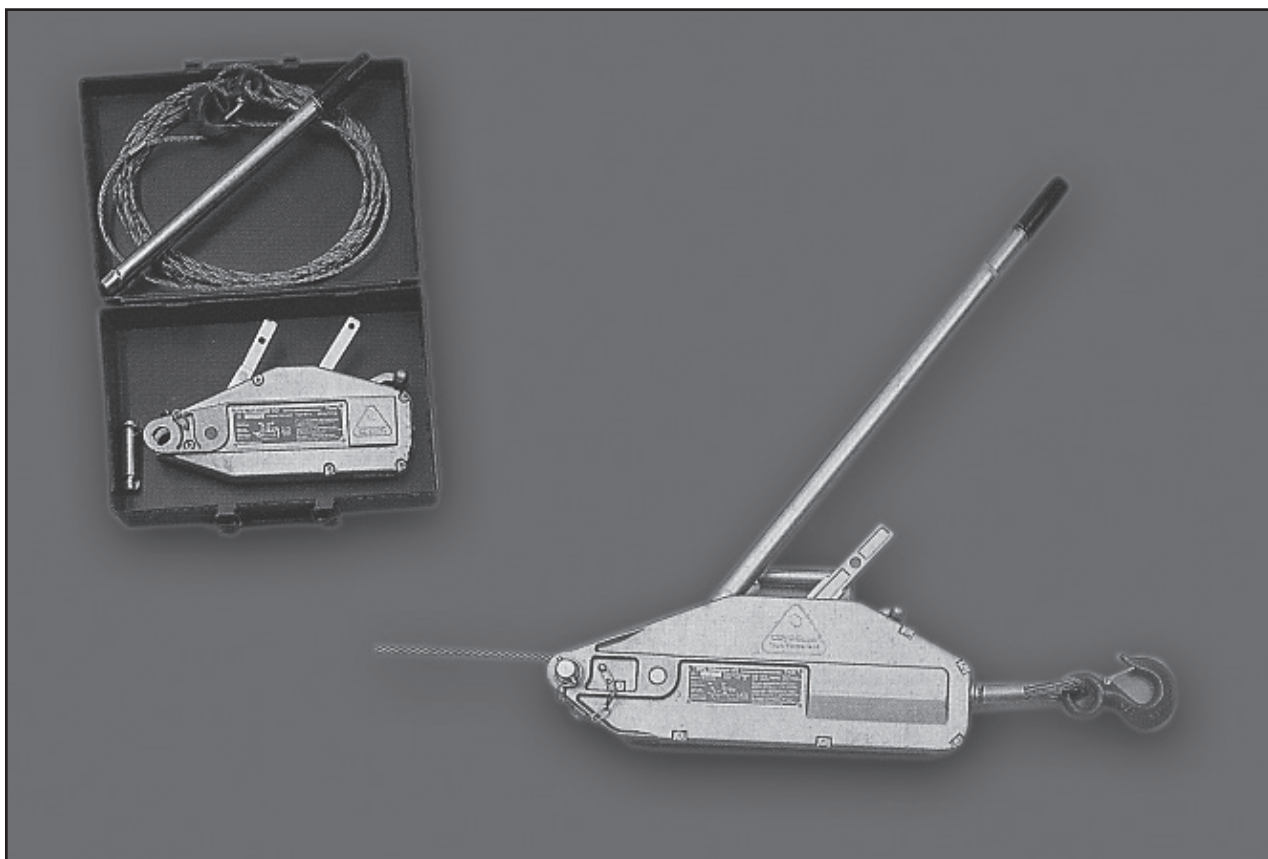
*4 x K36WS - SFC

5 x K26WS - SFC (1960 N/mm²)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Resistenza Min. Break. Force (kgf)	Peso lin. Lenght mass kg/m
8,40	0,67	5.250	0,250
9,50	0,75	6.809	0,340
10,20	0,83	8.461	0,390
11,50	0,93	9.531	0,480
14,00	1,15	16.004	0,740
16,30*	1,15	19.776	1,010

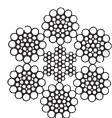
* 5 x K31WS - SFC



REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

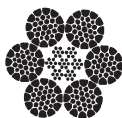
6 x 31WS - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			1960 N/mm²		
18,00	1,15	151,63	23.088		1,330
20,00	1,28	187,20	28.504		1,640
22,00	1,40	226,51	34.490		1,990
24,00	1,53	269,57	41.046		2,350
26,00	1,66	316,37	48.172		2,770

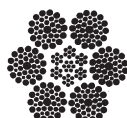
EN 12385-4

6 x K31WS - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			1960 N/mm²		
18,00	1,22	166,80	25.397		1,463
20,00	1,36	205,92	31.354		1,804
22,00	1,49	249,16	37.939		2,189
24,00	1,63	296,52	45.150		2,585
26,00	1,77	348,00	52.989		3,047

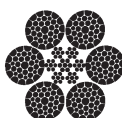
6 x 36WS - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
18,00	1,02	153,62	20.768	23.075	25.383	1,337
20,00	1,13	189,65	25.639	28.488	31.337	1,650
22,00	1,24	229,48	31.023	34.470	37.918	1,997
24,00	1,36	273,10	36.920	41.023	45.125	2,376
26,00	1,47	320,51	43.330	48.145	52.959	2,789
28,00	1,58	371,71	50.253	55.836	61.420	3,234
30,00	1,70	426,71	57.688	64.098	70.508	3,713
32,00	1,81	485,50	65.636	72.929	80.222	4,224

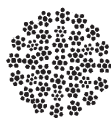
EN 12385-4

6 x K36WS - IWRC



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)		Peso lin. Lenght mass kg/m
			200 kg/mm²	220 kg/mm²	
18,00	1,08	168,98	25.383	27.921	1,470
20,00	1,20	208,62	31.337	34.470	1,815
22,00	1,32	252,42	37.918	41.709	2,196
24,00	1,44	300,41	45.125	49.637	2,614
26,00	1,56	352,56	52.959	58.255	3,067
28,00	1,68	408,89	61.420	67.562	3,557
30,00	1,81	469,38	70.508	77.559	4,084
32,00	1,93	534,05	80.222	88.244	4,646

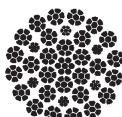
35(W) x 7



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
16,00	0,80	120,83	16.589	18.432	19.712	1,075
17,00	0,85	136,41	18.727	20.808	22.253	1,214
18,00	0,90	152,93	20.995	23.328	24.948	1,361
19,00	0,95	170,39	23.393	25.992	27.797	1,516
20,00	1,00	188,80	25.920	28.800	30.800	1,680
22,00	1,10	228,45	31.363	34.848	37.268	2,033
24,00	1,20	271,87	37.325	41.472	44.352	2,420
25,00	1,25	295,00	40.500	45.000	48.125	2,625
26,00	1,30	319,07	43.805	48.672	52.052	2,840
28,00	1,40	370,05	50.803	56.448	60.368	3,292
30,00	1,50	424,80	58.320	64.800	69.300	3,780
32,00	1,60	483,33	66.355	73.728	78.848	4,301
34,00	1,70	545,63	74.909	83.232	89.012	4,855
36,00	1,80	611,71	83.981	93.312	99.792	5,443
38,00	1,90	681,57	93.571	103.968	111.188	6,065
40,00	2,00	755,20	103.680	115.200	123.200	6,721

EN 12385-4

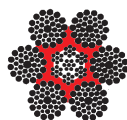
35(W) x K7



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
16,00	0,85	136,78	20.798	23.043	25.391	1,242
17,00	0,91	154,41	23.479	26.013	28.664	1,402
18,00	0,96	173,11	26.323	29.163	32.163	1,571
19,00	1,01	192,88	29.329	32.494	35.806	1,751
20,00	1,07	213,72	32.497	36.004	39.634	1,940
22,00	1,17	258,60	39.322	43.565	47.861	2,347
24,00	1,28	307,76	46.796	51.846	56.787	2,794
25,00	1,33	333,94	50.777	56.256	61.556	3,031
26,00	1,38	361,19	54.921	60.847	66.445	3,279
28,00	1,49	418,89	63.695	70.568	76.983	3,802
30,00	1,60	480,87	73.119	81.009	88.195	4,365
32,00	1,70	547,12	83.193	92.170	100.143	4,966

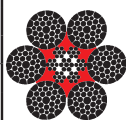
1 Kg/F = 9,81 N

6 x 36WS - EPIWRC (Polyurethane)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Length mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,57	47,41	6.410	7.122	7.834	0,429
12,00	0,68	68,27	9.230	10.256	11.281	0,618
14,00	0,79	92,93	12.563	13.959	15.355	0,841
16,00	0,90	121,38	16.409	18.232	20.056	1,098
18,00	1,02	153,62	20.768	23.075	25.383	1,390
20,00	1,13	189,65	25.639	28.488	31.337	1,716
22,00	1,24	229,48	31.023	34.470	37.918	2,076
24,00	1,36	273,10	36.920	41.023	45.125	2,471
26,00	1,47	320,51	43.330	48.145	52.959	2,900
28,00	1,58	371,71	50.253	55.836	61.420	3,363
30,00	1,70	426,71	57.688	64.098	70.508	3,861
32,00	1,81	485,50	65.636	72.929	80.222	4,393
34,00	1,92	548,09	74.097	82.330	90.563	4,959
36,00	2,03	614,47	83.071	92.301	101.531	5,560
38,00	2,15	684,64	92.558	102.842	113.126	6,195
40,00	2,26	758,60	102.557	113.952	125.347	6,864
42,00	2,37	836,36	113.069	125.632	138.195	7,568
44,00	2,49	917,91	124.094	137.882	151.670	8,305

6 x K36WS - EPIWRC (Polyurethane)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Length mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,60	52,15	7.051	7.834	8.618	0,472
12,00	0,72	75,10	10.153	11.281	12.409	0,680
14,00	0,84	102,22	13.820	15.355	16.891	0,925
16,00	0,96	133,51	18.050	20.056	22.061	1,208
18,00	1,08	168,98	22.845	25.383	27.921	1,529
20,00	1,20	208,62	28.203	31.337	34.470	1,888
22,00	1,32	252,42	34.126	37.918	41.709	2,284
24,00	1,44	300,41	40.612	45.125	49.637	2,718
26,00	1,56	352,56	47.663	52.959	58.255	3,190
28,00	1,68	408,89	55.278	61.420	67.562	3,700
30,00	1,81	469,38	63.457	70.508	77.559	4,247
32,00	1,93	534,05	72.200	80.222	88.244	4,832
34,00	2,05	602,90	81.507	90.563	99.620	5,455
36,00	2,17	675,91	91.378	101.531	111.684	6,116
38,00	2,29	753,10	101.813	113.126	124.438	6,814
40,00	2,41	834,46	112.812	125.347	137.882	7,550
42,00	2,53	919,99	124.376	138.195	152.015	8,324
44,00	2,65	1009,70	136.503	151.670	166.837	9,136

8 x 36WS - EPIWRC (Polyurethane)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Length mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,47	47,03	6.423	7.113	7.839	0,417
12,00	0,56	67,72	9.249	10.242	11.287	0,601
14,00	0,65	92,17	12.590	13.941	15.363	0,818
16,00	0,74	120,39	16.444	18.209	20.067	1,068
18,00	0,84	152,37	20.811	23.045	25.397	1,352
20,00	0,93	188,11	25.693	28.451	31.354	1,669
22,00	1,02	227,61	31.089	34.426	37.938	2,019
24,00	1,12	270,88	36.998	40.969	45.150	2,403
26,00	1,21	317,91	43.421	48.082	52.988	2,820
28,00	1,30	368,70	50.358	55.764	61.454	3,271
30,00	1,40	423,25	57.809	64.015	70.547	3,755
32,00	1,49	481,56	65.774	72.835	80.266	4,272
34,00	1,58	543,64	74.253	82.223	90.613	4,823
36,00	1,67	609,48	83.245	92.181	101.587	5,407
38,00	1,77	679,08	92.752	102.708	113.188	6,024
40,00	1,86	752,44	102.772	113.804	125.416	6,675
42,00	1,95	829,57	113.306	125.469	138.271	7,359
44,00	2,05	910,45	124.354	137.703	151.753	8,077
46,00	2,14	995,10	135.916	150.506	165.863	8,828
48,00	2,23	1083,51	147.992	163.878	180.599	9,612

8 x K26WS - EPIWRC (Polyurethane)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Length mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,64	53,00	8.012	8.869	9.774	0,461
11,00	0,71	64,13	9.695	10.731	11.826	0,558
12,00	0,77	76,32	11.537	12.771	14.074	0,664
13,00	0,83	89,57	13.540	14.988	16.518	0,779
14,00	0,90	103,88	15.704	17.382	19.156	0,904
15,00	0,96	119,25	18.028	19.954	21.991	1,037
16,00	1,03	135,68	20.512	22.703	25.020	1,180
18,00	1,15	171,72	25.959	28.734	31.667	1,494
19,00	1,22	191,33	28.925	32.015	35.283	1,664
20,00	1,28	212,00	32.008	35.474	39.095	1,844
22,00	1,41	256,52	38.779	42.924	47.305	2,231
24,00	1,54	305,28	46.151	51.083	56.297	2,655
25,00	1,60	331,25	50.077	55.428	61.086	2,881
26,00	1,67	358,28	54.163	59.951	66.070	3,116
28,00	1,79	415,52	62.815	69.529	76.626	3,614
30,00	1,92	477,00	72.110	79.817	87.963	4,149
32,00	2,05	542,72	82.045	90.813	100.083	4,721
34,00	2,18	612,68	92.622	102.520	112.984	5,329
36,00	2,31	686,88	103.839	114.936	126.667	5,975
38,00	2,44	765,32	115.696	128.061	141.133	6,657
40,00	2,56	848,00	128.196	141.896	156.379	7,376

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.

1 Kg/F = 9,81 N

19 x 7 Plastic covered core (Polyurethane)



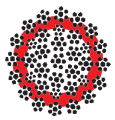
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,65	44,13	5.902	6.558	7.214	0,420
11,00	0,70	51,18	7.142	7.935	8.729	0,508
12,00	0,80	66,85	8.499	9.444	10.388	0,605
13,00	0,85	75,47	9.975	11.083	12.191	0,710
14,00	0,90	84,61	11.568	12.854	14.139	0,823
15,00	0,98	100,32	13.280	14.756	16.231	0,945
16,00	1,05	115,16	15.110	16.788	18.467	1,075
18,00	1,15	138,15	19.123	21.248	23.373	1,361
20,00	1,30	176,53	23.609	26.232	28.855	1,680
22,00	1,45	219,62	28.567	31.741	34.915	2,033
24,00	1,55	250,96	33.997	37.774	41.551	2,419
26,00	1,70	301,88	39.899	44.332	48.765	2,839
28,00	1,80	338,44	46.273	51.415	56.556	3,293
30,00	1,93	389,10	53.120	59.022	64.924	3,780

19 x K7 Plastic covered core (Polyurethane)



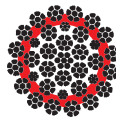
Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,69	50,06	6.492	7.214	7.935	0,460
11,00	0,75	58,05	7.856	8.729	9.602	0,556
12,00	0,85	75,83	9.349	10.388	11.427	0,662
13,00	0,91	85,60	10.972	12.191	13.410	0,777
14,00	0,96	95,97	12.725	14.139	15.553	0,901
15,00	1,04	113,79	14.608	16.231	17.854	1,035
16,00	1,12	130,62	16.621	18.467	20.314	1,177
18,00	1,22	156,69	21.035	23.373	25.710	1,490
20,00	1,38	200,23	25.970	28.855	31.741	1,839
22,00	1,54	249,10	31.423	34.915	38.406	2,225
24,00	1,65	284,65	37.396	41.551	45.707	2,648
26,00	1,81	342,40	43.889	48.765	53.642	3,108
28,00	1,92	383,87	50.901	56.556	62.212	3,605
30,00	2,06	441,32	58.432	64.924	71.417	4,138

35(W) x 7 Plastic covered core (Polyurethane)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,50	47,20	6.480	7.200	7.700	0,438
11,00	0,55	57,11	7.841	8.712	9.317	0,530
12,00	0,60	67,97	9.331	10.368	11.088	0,631
13,00	0,65	79,77	10.951	12.168	13.013	0,740
14,00	0,70	92,51	12.701	14.112	15.092	0,859
15,00	0,75	106,20	14.580	16.200	17.325	0,986
16,00	0,80	120,83	16.589	18.432	19.712	1,121
17,00	0,85	136,41	18.727	20.808	22.253	1,266
18,00	0,90	152,93	20.995	23.328	24.948	1,419
19,00	0,95	170,39	23.393	25.992	27.797	1,581
20,00	1,00	188,80	25.920	28.800	30.800	1,752
22,00	1,10	228,45	31.363	34.848	37.268	2,120
24,00	1,20	271,87	37.325	41.472	44.352	2,523
25,00	1,25	295,00	40.500	45.000	48.125	2,738
26,00	1,30	319,07	43.805	48.672	52.052	2,961
28,00	1,40	370,05	50.803	56.448	60.368	3,434
30,00	1,50	424,80	58.320	64.800	69.300	3,942
32,00	1,60	483,33	66.355	73.728	78.848	4,485
34,00	1,70	545,63	74.909	83.232	89.012	5,063
36,00	1,80	611,71	83.981	93.312	99.792	5,676
38,00	1,90	681,57	93.571	103.968	111.188	6,325
40,00	2,00	755,20	103.680	115.200	123.200	7,008

35(W) x K7 Plastic covered core (Polyurethane)



Fune Rope Ø mm	Filo est. Out. Wire Ø mm	Sez. met. Met. area mm²	Resistenza / Min. Break. Force (kgf)			Peso lin. Lenght mass kg/m
			180 kg/mm²	200 kg/mm²	220 kg/mm²	
10,00	0,53	53,43	8.124	9.001	9.918	0,504
11,00	0,59	64,65	9.830	10.891	12.001	0,610
12,00	0,64	76,94	11.699	12.961	14.283	0,726
13,00	0,69	90,30	13.730	15.212	16.762	0,853
14,00	0,75	104,72	15.924	17.642	19.440	0,989
15,00	0,80	120,22	18.280	20.252	22.317	1,135
16,00	0,85	136,78	20.798	23.043	25.391	1,292
17,00	0,91	154,41	23.479	26.013	28.664	1,458
18,00	0,96	173,11	26.323	29.163	32.163	1,634
19,00	1,01	192,88	29.329	32.494	35.806	1,821
20,00	1,07	213,72	32.497	36.004	39.634	2,018
22,00	1,17	258,60	39.322	43.565	47.861	2,441
24,00	1,28	307,76	46.796	51.846	56.787	2,906
25,00	1,33	333,94	50.777	56.256	61.556	3,152
26,00	1,38	361,19	54.921	60.847	66.445	3,410
28,00	1,49	418,89	63.695	70.568	76.983	3,954
30,00	1,60	480,87	73.119	81.009	88.195	4,540
32,00	1,70	547,12	83.193	92.170	100.143	5,165
34,00	1,81	617,65	93.918	104.052	112.708	6,064
36,00	1,92	692,45	105.292	116.653	126.358	6,537
38,00	2,02	771,53	117.316	129.975	140.644	7,283

REMER PRODUCES ROPES FROM 3MM TO 3 INCHES (76,2 MM). PLEASE CONTACT US FOR FURTHER INFORMATIONS.



OIL & GAS

REMER637

» See pag. 22



REMER637 ensures the best strenght to weight ratio for steel anchor lines against moves of ultra-deep waters.

REMER637K

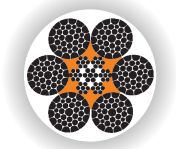
» See pag. 23



REMER637K ensures the best strenght to diameter ratio and is excellent if used in winch arrangements of limited volume. Compacted strands surface offers a better stress distribution, optimum crush and abrasion resistance.

REMER637KP

» See pag. 24



REMER637KP offers high fatigue performance, big cross stability and a good core protection thanks to steel core plastic impregnated.

REMER826KP

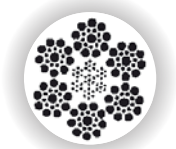
» See pag. 25



REMER 826KP offers internal protection thanks to plastic impregnation, thus improves rope's fatigue life, keeping high strenght, crush resistance and low stretching.

REMER619

» See pag. 26



REMER619 is a conventional tried and tested rope. Tested lines in regular sizes and tensile strenghts.

REMER619KP

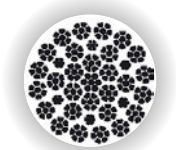
» See pag. 27



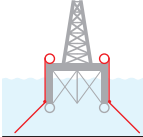
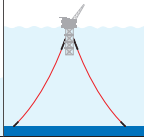
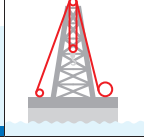
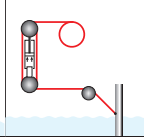


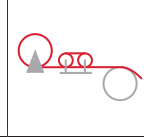
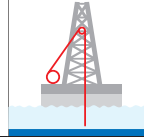
REMER619KP protects the core and improves abrasion resistance on draw works, bigger cross sectional stability and better fatigue capabilities; offers excellent fatigue performance and better resistance to wear on sheaves and drums.

REMER357K

» See pag. 28

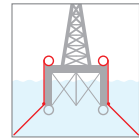


REMER 357K offers high strength, crush resistance, improved fatigue performance and low stretching thanks to excellent low rotational properties and high steel fill factor.

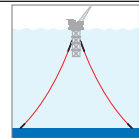
								
	1	2	3	4	5	6	7	8
REMER637	■	■		■				
REMER637K	■	■			■		■	
REMER637KP				■	■			
REMER826KP					■			
REMER619			■					
REMER619KP			■					
REMER357K						■		

Legend

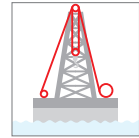
1. ANCHOR LINES FOR EXPLORATION DRILLING LINES



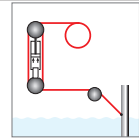
2. MOORING LINES FOR FLOATING PRODUCTION FACILITIES



3. DRILLING & CASING LINES



4. RISER TENSIONER LINES



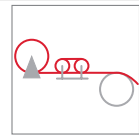
5. OFFSHORE PEDESTAL ROPES



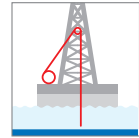
6. OFFSHORE PEDESTAL ROPES



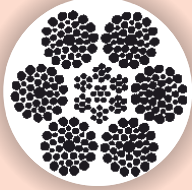
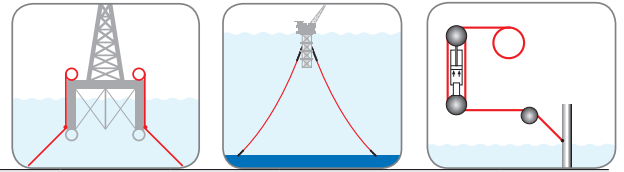
7. OFFSHORE WINCH ROPES



8. WELL SERVICES STRANDS (WIRE LINES)



REMER637



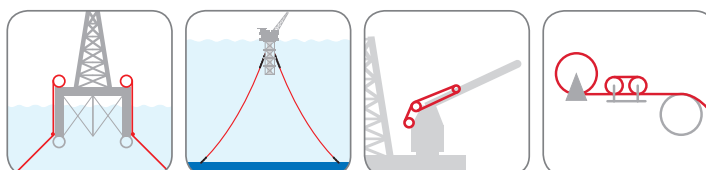
6x36WS - IWRC
(API 9A ED.26
TABLE C.10
Class 6x36 Steel Core)

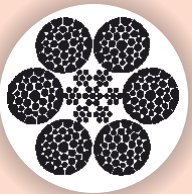
6x41SF - IWRC
(API 9A ED.26
TABLE E.1 - Class
Large Diameter,
Six-stranded Rope)

	Nominal Ø		Metallic area	Lenght Mass	Minimum Breaking Force					
					Grade 1.770	Grade 1.960	Grade 2.160	Grade IPS	Grade EIP	Grade EEIP
	mm	inch			mm ²	kg/m	kN	kN	kN	kN
	18,00		153,76	1,330	204	226	249			
	19,00		171,31	1,480	227	252	278			
	19,05	3/4	172,22	1,484				228	262	288
	20,00		189,82	1,640	252	279	308			
	22,00		229,68	1,980	305	338	372			
	22,23	7/8	234,41	2,020				308	354	390
	24,00		273,34	2,360	363	402	443			
	25,00		296,60	2,560	395	436	481			
	25,40	1	306,16	2,639				399	460	506
	26,00		320,80	2,760	426	472	520			
	28,00		372,05	3,210	494	547	603			
	28,58	1 1/8	387,49	3,340				503	578	636
	30,00		427,10	3,681	567	628	692			
	31,75	1 1/4	478,38	4,123				617	711	782
	32,00		485,94	4,190	645	715	787			
	34,93	1 3/8	578,84	4,989				743	854	943
	35,00		581,33	5,010	772	855	942			
	36,00		615,02	5,300	817	904	997			
	38,00		685,26	5,910	910	1.010	1.110			
	38,10	1 1/2	688,87	5,937				880	1.010	1.110
	40,00		759,29	6,540	1.010	1.120	1.230			
	41,28	1 5/8	808,47	6,968				1.020	1.170	1.300
	44,00		918,74	7,920	1.220	1.350	1.490			
	44,45	1 3/4	937,63	8,081				1.180	1.360	1.500
	45,00		960,98	8,280	1.280	1.410	1.560			
	46,00		1004,16	8,654	1.333	1.476	1.627			
	47,63	1 7/8	1076,36	9,277				1.350	1.550	1.710
	48,00		1093,38	9,420	1.450	1.610	1.770			
	50,80	2	1224,66	10,555				1.530	1.760	1.930
	51,00		1234,32	10,600	1.640	1.810	2.000			
	52,00		1283,20	11,100	1.700	1.890	2.080			
	53,98	2 1/8	1382,52	11,915				1.710	1.970	2.160
	56,00		1488,21	12,800	1.980	2.190	2.410			
	57,15	2 1/4	1598,47	13,358				1.910	2.200	2.420
	60,00		1761,87	14,700	2.270	2.510	2.770			
	62,00		1881,29	16,400	2.422	2.682	2.956			
	63,50	2 1/2	1973,42	17,300					2.950	
	64,00		2004,62	17,400	2.581	2.858	3.150			
	66,00		2131,86	18,500	2.745	3.039	3.350			
	66,68	2 5/8	2175,69	19,100					3.240	
	68,00		2263,02	19,700	2.914	3.226	3.556			
	69,85	2 3/4	2387,83	20,800					3.530	
	70,00		2398,10	20,850	3.088	3.419	3.768			
	72,00		2537,09	22,050	3.267	3.617	3.986			
	73,03	2 7/8	2609,84	22,800					3.840	
	74,00		2680,00	23,300	3.451	3.821	4.211			
	76,00		2826,82	24,500	3.640	4.030	4.442			
	76,20	3	2841,72	24,700					4.160	

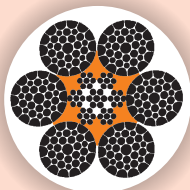
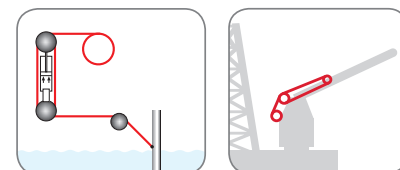
Diameters in are not included in API 9A Ed. 26

REMER637K



	Nominal Ø		Metallic area mm ²	Lenght Mass kg/m	Minimum Breaking Force		
	mm	inch			Grade 1.770 kN	Grade 1.960 kN	Grade 2.160 kN
 6xK36WS - IWRC	6,00		18,81	0,163	25	28	30
	6,35	1/4	21,07	0,183	28	31	34
	7,00		25,60	0,222	34	38	41
	7,94	5/16	32,92	0,286	44	48	53
	8,00		33,44	0,290	44	49	54
	9,00		42,32	0,368	56	62	69
	9,53	3/8	47,40	0,412	63	70	77
	10,00		52,25	0,454	69	77	85
	11,00		63,22	0,549	84	93	102
	11,10		64,38	0,559	85	95	104
	12,00		75,24	0,653	100	111	122
	12,70	1/2	84,27	0,732	112	124	137
	13,00		88,30	0,767	117	130	143
	14,00		102,41	0,889	136	151	166
	14,29	9/16	106,66	0,926	142	157	173
	15,00		117,56	1,021	156	173	190
	15,88	5/8	131,68	1,144	175	194	213
	16,00		133,76	1,162	178	197	217
	18,00		169,29	1,470	225	249	274
	19,00		188,62	1,638	250	277	306
	19,05	3/4	189,62	1,647	252	279	307
	20,00		209,00	1,815	277	307	339
	22,00		252,89	2,196	336	372	410
	22,23		258,21	2,242	343	380	418
	24,00		300,96	2,614	400	442	488
	25,00		326,56	2,836	434	480	529
	25,40	1	337,10	2,927	448	496	546
	26,00		353,21	3,067	469	519	572
	28,00		409,64	3,557	544	602	664
	28,58	1 1/8	426,64	3,705	566	627	691
	30,00		470,25	4,084	624	691	762
	31,75	1 1/4	526,71	4,574	699	774	853
	32,00		535,04	4,646	710	787	867
	34,93	1 3/8	637,32	5,535	846	937	1.033
35,00		640,06	5,558	850	941	1.037	
36,00		677,16	5,881	899	996	1.097	
38,00		754,49	6,552	1.002	1.109	1.222	
38,10	1 1/2	758,47	6,587	1.007	1.115	1.229	
40,00		836,00	7,260	1.110	1.229	1.355	
41,28	1 5/8	890,14	7,730	1.182	1.309	1.442	
44,00		1011,56	8,785	1.343	1.487	1.639	
44,45	1 3/4	1032,36	8,965	1.371	1.518	1.673	
45,00		1058,06	9,188	1.405	1.556	1.714	
46,00		1105,61	9,601	1.468	1.625	1.791	
47,63	1 7/8	1185,10	10,292	1.573	1.742	1.920	
48,00		1203,84	10,454	1.598	1.770	1.950	
50,80	2	1348,38	11,710	1.790	1.982	2.185	
51,00		1359,02	11,802	1.804	1.998	2.202	
52,00		1412,84	12,269	1.876	2.077	2.289	
53,98	2 1/8	1522,20	13,219	2.021	2.238	2.466	
54,00		1523,61	13,231	2.023	2.240	2.469	

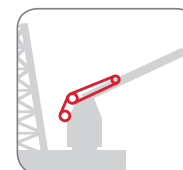
REMER637KP



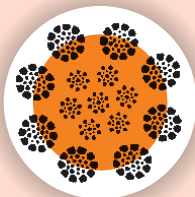
6xK36WS - EPIWRC
(Polyurethane)

	Nominal Ø		Metallic area	Lenght Mass	Minimum Breaking Force		
	mm	inch			Grade 1.770	Grade 1.960	Grade 2.160
			mm ²	kg/m	kN	kN	kN
	10,00		52,25	0,472	69	77	85
	11,00		63,22	0,571	84	93	102
	11,10		64,38	0,581	85	95	104
	12,00		75,24	0,680	100	111	122
	12,70	1/2	84,27	0,761	112	124	137
	13,00		88,30	0,798	117	130	143
	14,00		102,41	0,925	136	151	166
	14,29	9/16	106,66	0,963	142	157	173
	15,00		117,56	1,062	156	173	190
	15,88	5/8	131,68	1,189	175	194	213
	16,00		133,76	1,208	178	197	217
	18,00		169,29	1,529	225	249	274
	19,00		188,62	1,704	250	277	306
	19,05	3/4	189,62	1,713	252	279	307
	20,00		209,00	1,888	277	307	339
	22,00		252,89	2,284	336	372	410
	22,23		258,21	2,332	343	380	418
	24,00		300,96	2,718	400	442	488
	25,00		326,56	2,949	434	480	529
	25,40	1	337,10	3,045	448	496	546
	26,00		353,21	3,190	469	519	572
	28,00		409,64	3,700	544	602	664
	28,58	1 1/8	426,64	3,853	566	627	691
	30,00		470,25	4,247	624	691	762
	31,75	1 1/4	526,71	4,757	699	774	853
	32,00		535,04	4,832	710	787	867
	34,93	1 3/8	637,32	5,756	846	937	1.033
	35,00		640,06	5,781	850	941	1.037
	36,00		677,16	6,116	899	996	1.097
	38,00		754,49	6,814	1.002	1.109	1.222
	38,10	1 1/2	758,47	6,850	1.007	1.115	1.229
	40,00		836,00	7,550	1.110	1.229	1.355
	41,28	1 5/8	890,14	8,039	1.182	1.309	1.442
	44,00		1011,56	9,136	1.343	1.487	1.639
	44,45	1 3/4	1032,36	9,324	1.371	1.518	1.673
	45,00		1058,06	9,556	1.405	1.556	1.714
	46,00		1105,61	9,985	1.468	1.625	1.791
	47,63	1 7/8	1185,10	10,703	1.573	1.742	1.920
	48,00		1203,84	10,873	1.598	1.770	1.950
	50,80	2	1348,38	12,178	1.790	1.982	2.185
	51,00		1359,02	12,274	1.804	1.998	2.202
	52,00		1412,84	12,760	1.876	2.077	2.289
	53,98	2 1/8	1522,20	13,748	2.021	2.238	2.466
	54,00		1523,61	13,761	2.023	2.240	2.469

REMER826KP

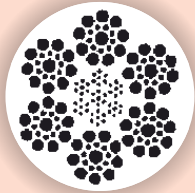
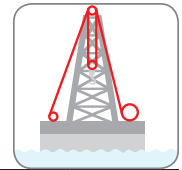


	Nominal Ø		Metallic area	Lenght Mass	Minimum Breaking Force		
					Grade 1.770	Grade 1.960	Grade 2.160
	mm	inch	mm ²	kg/m	kN	kN	kN
	10,00		53,00	0,461	79	87	96
	11,00		64,13	0,558	95	105	116
	11,11	7/16	65,45	0,569	97	107	118
	12,00		76,32	0,664	113	125	138
	12,70	1/2	85,48	0,744	127	140	155
	13,00		89,57	0,779	133	147	162
	14,00		103,88	0,904	154	171	188
	14,29	9/16	108,19	0,941	160	178	196
	15,00		119,25	1,037	177	196	216
	15,88	5/8	133,57	1,162	198	219	242
	16,00		135,68	1,180	201	223	245
	17,00		153,17	1,332	227	251	277
	18,00		171,72	1,494	255	282	311
	19,00		191,33	1,664	284	314	346
	19,05	3/4	192,34	1,673	285	316	348
	20,00		212,00	1,844	314	348	384
	21,00		233,73	2,033	347	384	423
	22,00		256,52	2,231	380	421	464
	22,23	7/8	261,79	2,277	388	430	474
	24,00		305,28	2,655	453	501	552
	25,00		331,25	2,881	491	544	599
	25,40	1	341,93	2,974	507	561	619
	26,00		358,28	3,116	531	588	648
	27,00		386,37	3,361	573	634	699
	28,00		415,52	3,614	616	682	752
	28,58	1 1/8	432,76	3,764	642	710	783
	29,00		445,73	3,877	661	732	806
	30,00		477,00	4,149	707	783	863
	31,75	1 1/4	534,27	4,647	792	877	967
	32,00		542,72	4,721	805	891	982
	33,00		577,17	5,020	856	947	1.044
	34,00		612,68	5,329	909	1.006	1.108
	34,93	1 3/8	646,47	5,623	959	1.061	1.170
	35,00		649,25	5,647	963	1.066	1.175
	36,00		686,88	5,975	1.019	1.128	1.243
	38,00		765,32	6,657	1.135	1.256	1.385
	38,10	1 1/2	769,35	6,692	1.141	1.263	1.392
	39,00		806,13	7,012	1.196	1.323	1.458
	40,00		848,00	7,376	1.258	1.392	1.534
	41,28	1 5/8	903,14	7,856	1.339	1.483	1.634
	42,00		934,92	8,132	1.387	1.535	1.691
	44,00		1026,08	8,925	1.522	1.684	1.856
	44,45	1 3/4	1047,18	9,108	1.553	1.719	1.894
	46,00		1121,48	9,755	1.663	1.841	2.029
	47,63	1 7/8	1202,11	10,456	1.783	1.973	2.175
	48,00		1221,12	10,621	1.811	2.004	2.209
	50,00		1325,00	11,525	1.965	2.175	2.397
	50,80	2	1367,74	11,897	2.028	2.245	2.474
	52,00		1433,12	12,465	2.125	2.352	2.593
	53,98	2 1/8	1544,05	13,430	2.290	2.535	2.793
	54,00		1545,48	13,443	2.292	2.537	2.796
	56,00		1662,08	14,457	2.465	2.728	3.007



8xK26WS - EPIWRC
(Polyurethane)

REMER619

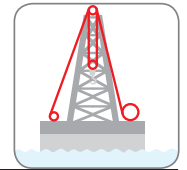


6x19S - IWRC
(API9A Ed.26 Table C.8
Class 6x19 Steel Core)

	Nominal Ø		Metallic area	Lenght Mass	Minimum Breaking Force					
					Grade 1.770	Grade 1.960	Grade 2.160	Grade IPS	Grade EIP	Grade EEIP
	mm	inch	mm ²	kg/m	kN	kN	kN	kN	kN	kN
	9,53	3/ 8	37,35	0,363				58,4	67,2	73,8
	10,00		46,11	0,400	63,0	69,8	76,9			
	11,00		55,79	0,484	76,2	84,4	93,0			
	11,11	7/16	56,94	0,494				79,1	90,7	99,6
	12,00		66,40	0,576	90,7	100	111			
	12,70	1/ 2	74,37	0,645				102	118	130
	13,00		77,93	0,676	106	118	130			
	14,00		90,38	0,784	124	137	151			
	14,29	9/16	94,13	0,817				129	149	165
	15,00		103,75	0,900	142	157	173			
	15,88	5/ 8	116,20	1,008				157	183	202
	16,00		118,04	1,024	161	179	197			
	17,00		133,26	1,156	182	202	222			
	18,00		149,40	1,296	204	226	249			
	19,00		166,46	1,444	227	252	278			
	19,05	3/ 4	167,33	1,452				228	262	288
	20,00		184,44	1,600	252	279	308			
	21,00		203,35	1,764	278	308	339			
	22,00		223,17	1,936	305	338	372			
	22,23	7/ 8	227,76	1,976				308	354	390
	23,00		243,92	2,116	333	369	407			
	24,00		265,59	2,304	363	402	443			
	25,00		288,19	2,500	394	436	481			
	25,40	1	297,48	2,581				399	460	506
	26,00		311,70	2,704	426	472	520			
	28,00		361,50	3,136	494	547	603			
	28,58	1 1/ 8	376,50	3,266				503	578	636
	30,00		414,99	3,600	567	628	692			
	31,75	1 1/ 4	464,82	4,032				617	711	782
	32,00		472,17	4,096	645	715	787			
	34,93	1 3/ 8	562,43	4,879				743	854	943
	35,00		564,85	4,900	772	855	942			
	36,00		597,59	5,184	817	904	997			
	38,00		665,83	5,776	910	1.010	1.110			
	38,10	1 1/ 2	669,34	5,806				880	1.010	1.110
	40,00		737,76	6,400	1.010	1.120	1.230			
	41,28	1 5/ 8	785,54	6,815				1.020	1.170	1.300
	44,00		892,69	7,744	1.220	1.350	1.490			
	44,45	1 3/ 4	911,04	7,903				1.180	1.360	1.500
	45,00		933,73	8,100	1.280	1.410	1.560			
	46,00		975,69	8,464	1.333	1.476	1.627			
	47,63	1 7/ 8	1045,84	9,073				1.350	1.550	1.710
	48,00		1062,37	9,216	1.450	1.610	1.770			
	50,80	2	1189,93	10,323				1.530	1.760	1.930

Diameters in are not included in API 9A Ed. 26

REMER619KP

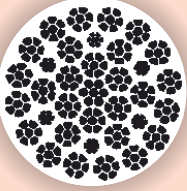


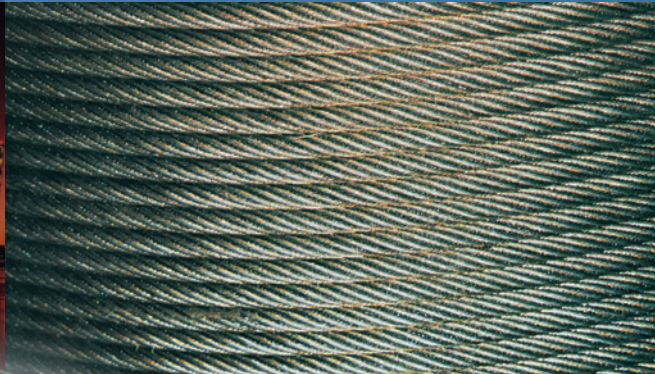
6xK19S - EPIWRC
(Polyurethane)

	Nominal Ø		Metallic area mm ²	Lenght Mass kg/m	Minimum Breaking Force		
	mm	inch			Grade 1.770	Grade 1.960	Grade 2.160
					kN	kN	kN
	10,00		51,37	0,449	70	77	84
	11,00		62,16	0,543	84	93	102
	11,11	7/16	63,44	0,554	86	95	104
	12,00		73,97	0,646	100	111	121
	12,70	1/2	82,85	0,724	112	124	136
	13,00		86,82	0,758	118	130	142
	14,00		100,69	0,880	136	151	165
	14,29	9/16	104,86	0,916	142	157	172
	15,00		115,58	1,010	157	173	189
	15,88	5/8	129,46	1,131	175	194	212
	16,00		131,51	1,149	178	197	215
	17,00		148,46	1,297	201	223	243
	18,00		166,44	1,454	226	249	272
	19,00		185,45	1,620	251	278	304
	19,05	3/4	186,42	1,629	253	279	305
	20,00		205,48	1,795	278	308	336
	21,00		226,54	1,979	307	340	371
	22,00		248,63	2,172	337	373	407
	22,23	7/8	253,74	2,217	344	380	415
	23,00		271,75	2,374	368	407	445
	24,00		295,89	2,585	401	444	484
	25,00		321,06	2,805	435	481	526
	25,40	1	331,42	2,895	449	497	543
	26,00		347,26	3,034	470	521	569
	28,00		402,74	3,519	546	604	659
	28,58	1 1/8	419,45	3,665	568	629	687
	30,00		462,33	4,039	626	693	757
	31,75	1 1/4	517,84	4,524	702	776	848
	32,00		526,03	4,596	713	788	861
	34,93	1 3/8	626,59	5,474	849	939	1.026
	35,00		629,28	5,498	853	943	1.030
	36,00		665,76	5,816	902	998	1.090
	38,00		741,78	6,481	1.005	1.112	1.214
	38,10	1 1/2	745,69	6,515	1.010	1.118	1.221
	40,00		821,92	7,181	1.114	1.232	1.346
	41,28	1 5/8	875,15	7,646	1.186	1.312	1.433
	44,00		994,52	8,689	1.347	1.491	1.628
	44,45	1 3/4	1014,97	8,867	1.375	1.521	1.662
	45,00		1040,24	9,088	1.409	1.559	1.703
	46,00		1086,99	9,497	1.473	1.629	1.780
	47,63	1 7/8	1165,14	10,179	1.579	1.746	1.908
	48,00		1183,56	10,340	1.604	1.774	1.938
	50,80	2	1325,67	11,582	1.796	1.987	2.170

REMER357K



	Nominal Ø		Metallic area	Lenght Mass	Minimum Breaking Force		
					Grade 1.770	Grade 1.960	Grade 2.160
	mm	inch	mm ²	kg/m	kN	kN	kN
 35(W)xK7	5,00		13,36	0,121	20	22	24
	6,00		19,23	0,175	29	32	35
	6,35	1/ 4	21,54	0,196	32	36	39
	7,00		26,18	0,238	39	43	48
	7,94	5/16	33,66	0,306	50	56	61
	8,00		34,20	0,310	51	57	62
	9,00		43,28	0,393	65	72	79
	9,53	3/ 8	48,47	0,440	72	80	88
	10,00		53,43	0,485	80	88	97
	11,00		64,65	0,587	96	107	118
	11,11	7/16	65,98	0,599	98	109	120
	12,00		76,94	0,698	115	127	140
	12,70	1/ 2	86,18	0,782	129	142	157
	13,00		90,30	0,820	135	149	164
	14,00		104,72	0,951	156	173	191
	14,29	9/16	109,07	0,990	163	180	199
	15,00		120,22	1,091	179	199	219
	15,88	5/ 8	134,65	1,222	201	223	245
	16,00		136,78	1,242	204	226	249
	17,00		154,41	1,402	230	255	281
	18,00		173,11	1,571	258	286	315
	19,00		192,88	1,751	288	319	351
	19,05	3/ 4	193,90	1,760	289	320	353
	20,00		213,72	1,940	319	353	389
	21,00		235,63	2,139	351	389	428
	22,00		258,60	2,347	386	427	470
	22,23	7/ 8	263,92	2,396	394	436	479
	23,00		282,64	2,566	422	467	512
	24,00		307,76	2,794	459	509	557
	25,00		333,94	3,031	498	552	604
	25,40	1	344,71	3,129	514	570	623
	26,00		361,19	3,279	539	597	652
	28,00		418,89	3,802	625	692	755
	28,58	1 1/ 8	436,27	3,960	651	721	786
	30,00		480,87	4,365	717	795	865
31,75	1 1/ 4	538,61	4,889	803	890	968	
32,00		547,12	4,966	816	904	982	
34,93	1 3/ 8	651,72	5,916	972	1.077	1.169	
35,00		654,52	5,941	976	1.082	1.173	
36,00		692,45	6,286	1.033	1.144	1.240	
38,00		771,53	7,003	1.151	1.275	1.380	
38,10	1 1/ 2	775,60	7,040	1.157	1.282	1.386	
40,00		854,88	7,760	1.275	1.413	1.526	
35(W)xK19S	41,28	1 5/ 8	910,25	8,263	1.358	1.504	1.623
	44,00		1034,40	9,390	1.543	1.709	1.842
	44,45	1 3/ 4	1055,67	9,583	1.575	1.745	1.878
	45,00		1081,96	9,821	1.614	1.788	1.923
	46,00		1130,58	10,263	1.686	1.868	2.007
	47,63	1 7/ 8	1211,87	11,000	1.808	2.003	2.150
	48,00		1231,03	11,174	1.836	2.034	2.181
	50,80	2	1378,84	12,516	2.057	2.279	2.441
	52,00		1444,75	13,114	2.155	2.388	2.555
	53,98	2 1/ 8	1556,58	14,130	2.322	2.572	2.750
	54,00		1558,02	14,143	2.324	2.575	2.749
	55,00		1616,26	14,671	2.411	2.671	2.849
	56,00		1675,56	15,210	2.499	2.769	2.951



REMER

**ANELLO CONTINUO
ENDLESS GROMMET**

EN13414-3
IMCA M179

7 (6 x 7 + AT/FC), DIN 3055 - 1770 N/mm²



Ø in mm	Peso Weight kg/m	CRM MBL in kN	Carico di lavoro in verticale WLL straight SF 5:1 in ton.*
6	0,11	23,97	0,50
7,5	0,16	37,54	0,80
9	0,24	53,96	1,10
10,5	0,31	73,44	1,50
12	0,43	95,98	2,00
13	0,51	121,38	2,50
15	0,67	150,00	3,05
16,5	0,76	181,30	3,70
18	0,97	215,20	4,40
19,5	1,14	253,20	5,20
21	1,31	293,70	6,00
24	1,72	383,50	7,85
27	2,17	485,50	10,00
30	2,68	599,70	12,20
33	3,24	725,20	14,80

7 (6 x 19 + AT/FC) DIN 3060 - 1770 N/mm²



Ø in mm	Peso Weight kg/m	CRM MBL in kN	Carico di lavoro in verticale WLL straight SF 5:1 in ton.*
9	0,23	49,98	1,00
12	0,42	88,74	2,00
15	0,65	138,70	3,20
18	0,94	199,90	4,60
19,5	1,10	233,50	4,80
21	1,28	272,30	6,30
24	1,66	354,90	8,25
27	2,10	449,80	10,50
30	2,60	554,80	11,50
33	3,14	671,10	13,75
36	3,74	798,60	16,00
39	4,39	937,30	19,50
42	5,09	1091,40	22,50

7 (6 x 36 + 7 AT/FC) DIN 3064 - 1770 N/mm²



Ø in mm	Peso Weight kg/m	CRM MBL in kN	Carico di lavoro in verticale WLL straight SF 5:1 in ton.*
24	1,82	380,40	7,75
27	2,31	481,40	9,82
30	2,85	593,60	12,11
33	3,45	718,00	14,65
36	4,10	856,80	17,47
39	4,82	1002,60	20,45
42	5,59	1162,80	23,71
48	7,30	1519,80	31,00
54	9,23	1927,80	39,32
60	11,40	2386,80	48,68
66	13,80	2876,80	58,67
72	16,43	3427,20	69,90
78	19,28	4029,00	82,17
84	22,35	4671,60	95,27
90	25,65	5344,80	109,00
96	29,18	6099,60	124,40
102	32,93	6864,60	140,00
108	36,98	7721,40	157,47
114	41,18	8578,20	175,00
120	45,60	9526,80	194,30
126	50,35	10495,80	214,05
132	55,20	11526,00	235,06

7 (6 x 37 + 7 AT/FC) DIN 3066 - 1770 N/mm²



Ø in mm	Peso Weight kg/m	CRM MBL in kN	Carico di lavoro in verticale WLL straight SF 5:1 in ton.*
18	0,94	191,70	3,90
21	1,28	261,10	6,25
24	1,66	340,60	8,25
27	2,10	431,40	10,50
30	2,60	532,40	11,50
33	3,14	643,60	14,00
36	3,74	766,00	16,50
39	4,39	899,60	19,50
42	5,09	1040,40	22,50
48	6,65	1366,80	30,00
54	8,40	1723,80	37,50
60	10,35	2131,80	46,00
66	12,53	2580,60	60,00
72	14,93	3070,20	72,50
78	17,55	3600,60	76,00
84	20,23	4171,80	85,00
90	23,33	4773,60	97,35
96	26,33	5446,80	111,00
102	30,00	6130,20	125,00
108	33,60	6895,20	140,60
114	37,43	7660,20	156,20
120	41,55	8517,00	173,60
126	45,75	9363,60	190,90
132	50,25	10302,00	210,00

7 (6 x 36 + 7 AM/IWRC) DIN 3064 - 1960 N/mm²



Ø in mm	Peso Weight kg/m	CRM MBL in kN	Carico di lavoro in verticale WLL straight SF 5:1 in ton.*
24	2,01	455,94	9,50
27	2,54	577,32	12,50
30	3,14	711,96	15,00
33	4,34	861,90	18,50
36	4,52	1030,20	21,50
39	5,30	1203,60	25,50
42	6,15	1397,40	29,60
48	8,03	1825,80	39,00
54	10,13	2305,20	49,00
60	12,53	2845,80	60,00
66	15,15	3447,60	75,00
72	18,08	4100,40	92,00
78	21,23	4814,40	112,00
84	24,60	5579,40	116,00
90	28,20	6405,60	133,70
96	32,10	7293,00	152,00
102	36,23	8231,40	172,00
108	40,65	9231,00	192,70
114	45,30	10281,60	215,00
120	50,18	11393,40	237,80
126	55,30	12566,40	262,00
132	60,75	13790,40	287,00

7 (6 x 36 + 7 AM/IWRC) DIN 3064 - 1770 N/mm²

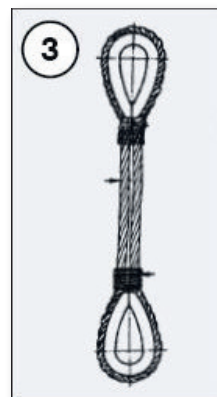
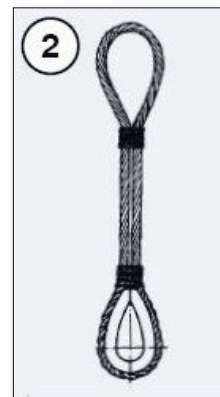
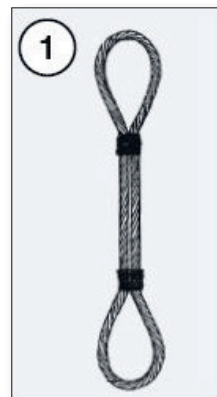


Ø in mm	Peso Weight kg/m	CRM MBL in kN	Carico di lavoro in verticale WLL straight SF 5:1 in ton.*
24	2,01	411,00	9,00
27	2,54	519,10	11,50
30	3,14	641,50	14,00
33	4,34	776,20	17,00
36	4,52	916,90	20,00
39	5,30	1081,20	23,50
42	6,15	1264,80	27,00
48	8,03	1642,20	35,50
54	10,13	2080,80	45,00
60	12,53	2570,40	55,50
66	15,15	3100,80	69,00
72	18,08	3702,60	84,00
78	21,23	4335,00	102,00
84	24,60	5028,60	121,00
90	28,20	5773,20	126,00
96	32,10	6568,80	134,00
102	36,23	7415,40	151,00
108	40,65	8323,20	169,00
114	45,30	9261,60	188,00
120	50,18	10026,60	204,00
126	55,30	11307,00	230,50
132	60,75	12444,00	253,70

7 (6 x 19 + SE) DIN 3060 - 1770 N/mm²



Ø in mm	Peso Weight kg/m	CRM MBL in kN	Carico di lavoro in verticale WLL straight SF 5:1 in ton.*
9	0,35	55,20	1,13
12	0,47	98,10	2,00
15	0,71	153,50	3,13
18	1,00	220,30	4,50
19,5	1,16	261,00	5,32
21	1,32	300,70	6,13
24	1,75	392,50	8,05
27	2,22	496,90	10,13
30	2,76	612,80	12,50
33	3,29	742,28	15,14
36	3,98	883,20	18,01
39	4,46	1034,00	21,09
42	5,40	1200,10	24,48



* I carichi di lavoro fanno riferimento alla norma EN 13414-3.

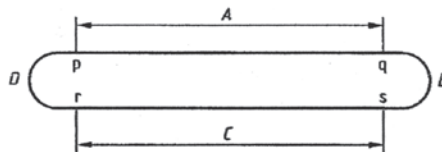
* WLL refer to EN 13414-3.

Annex B
(normative)

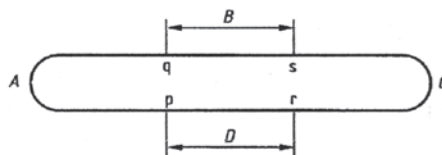
Determination of the length of a grommet

B.1 Method of measuring the actual length (circumference) of a grommet

Arrange the grommet as shown in figure B.1(a) and mark four spots on the centreline as at p, q, r and s. Measure portions A and C and then re-arrange the grommet so that portions B and D may be measured as in figure B.1(b). The length of the grommet will be the summation of A, B, C and D.



Ⓜ a) Ⓜ



Ⓜ b) Ⓜ

Figure B.1 — Method of measuring length (circumference) of a grommet .

B.2 Method of calculating the required length

The length of a grommet (see figure B.2) can be specified in the following ways depending on the required accuracy:

If the bending radii are known the following calculation can be done:

The length of the centreline around the bending radius is:

$$\pi \left(R_2 + \frac{d}{2} \right) \text{ and } \pi \left(R_3 + \frac{d}{2} \right)$$

where:

d is the nominal diameter of the sling

The total length of the centreline (Ⓜ L Ⓜ) will be:

$$\pi(R_2 + R_3 + d) + 2L_1$$

given that : $L_2 = L_1 + R_2 + R_3$

where L_2 is the bearing length;

the length of the centreline (Ⓜ L Ⓜ) can be defined as:

$$\pi(R_2 + R_3 + d) + 2(L_2 - R_2 - R_3)$$

NOTE 1

$$L_3 = L_2 + d$$

$$L_1 = L_2 - (R_2 + R_3)$$

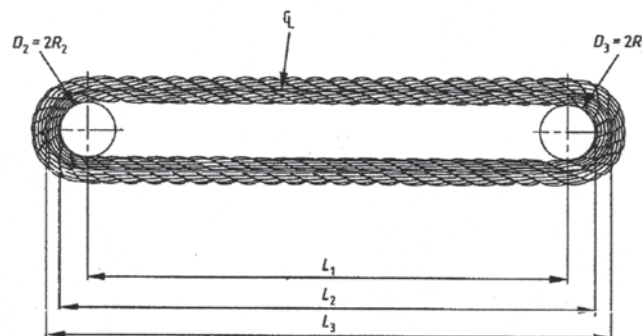


Figure B.2 — Length of a grommet.



REWER

CALZE TIRACAVO
CABLE GRIPS

Calza con asola
Cable grip with single eye



Ø min-max funi Ø min-max ropes	carico di rottura MBL	codice colore colour code	totale lungh. mm total length mm
07÷10	2000	verde/green	1100
11÷14	4500	bianco/white	1200
15÷17	5000	rosso/red	1300
18÷23	5000	rosso/red	1380
24÷29	8000	azzurro/light blue	1580
30÷38	12000	blu/blue	1900
39÷50	15000	blu/blue	2000

Calza doppia
Double cable grip



Ø min-max funi Ø min-max ropes	carico di rottura MBL	codice colore colour code	totale lungh. mm total length mm
07÷10	2000	verde/green	2700
11÷14	4500	bianco/white	2800
15÷17	5000	rosso/red	2230
18÷23	5000	rosso/red	2230
24÷29	8000	azzurro/light blue	3000
30÷38	12000	blu/blue	3600
39÷50	15000	blu/blue	4000

Calza con asola tipo lungo o speciale
Cable grip with long or special eye



Ø min-max funi Ø min-max ropes	carico di rottura MBL	codice colore colour code	totale lungh. mm total length mm
07÷10	2000	verde/green	1500
07÷10-R	4500	bianco/white	1600
11÷14	2500	nero/black	1600
11÷14-R	4500	bianco/white	1600
15÷17	3000	giallo/yellow	1700
15÷17-R	5000	rosso/red	1700
18÷23	5000	rosso/red	1800
24÷29	8000	azzurro/light blue	2200
30÷38	12000	blu/blue	2400
39÷50	18000	blu/blue	2800

Calza doppia tipo lungo o speciale
Long or special double cable grip



Ø min-max funi Ø min-max ropes	carico di rottura MBL	codice colore colour code	lunghezza mm length mm	
			utile working length	totale total length
07÷10	2000	verde/green	1800	2500
07÷10-R	4500	bianco/white	2000	2600
11÷14	2500	nero/black	2000	2600
11÷14-R	4500	bianco/white	2000	2600
15÷17	3000	giallo/yellow	2100	2800
15÷17-R	5000	rosso/red	2100	2800
18÷23	5000	rosso/red	2300	3000
24÷29	8000	azzurro/light blue	2600	3500
30÷38	12000	blu/blue	3100	4100
39÷50	18000	blu/blue	3300	4300

- Le calze tiracavo si usano per afferrare in modo provvisorio i capi delle funi metalliche senza deformarli e mantenendone la flessibilità.
Cable grips are used to grip steel wire ropes by the edges without deforming them and keeping their flexibility.
- Il trefolo utilizzato per tutti i prodotti è in acciaio zincato con diametro da 1,20 mm a 2,5 mm secondo il tipo di calza. I tallurit impiegati sono in alluminio.
All products are made by galvanised steel strands from diam. 1,20 mm till 2,5 mm according to the kind of cable grip. Tallurit are made in aluminium.
- Il carico di rottura è stampigliato sul manico della calza. Nelle calze dotate di codice colore, anche tramite tubetti colorati inseriti nella trama.
MBL is imprinted on cable grip's handle. Cable grips with colour code have got also little tubes inserted in the weft.
- I carichi di rottura alla trazione indicati nelle tabelle si riferiscono calze montate in modo regolare, con cavo completamente introdotto con testa fasciata senza spigoli vivi e fissato in maniera salda all'estremità della calza con band-it o legatura, e in assenza di qualsiasi piegamento a torsione; non si rife-

Calza con asola o redancia
Cable grip with eye or thimble



Ø min-max funi Ø min-max ropes	carico di rottura MBL	lunghezza utile mm working length mm
07÷10	2000	600
11÷14	2000	600
15÷20	2000	600
21÷25	2500	600
26÷30	3000	600
31÷40	4500	700
26÷45	5000	700
41÷50	5000	800
46÷60	5000	800
61÷80	8000	800
81÷100	10000	1000
101÷140	10000	1200
141÷170	10000	1200
171÷200	10000	1200

Calza di giunzione saldata o manicottata
Cable grip open ended or with connecting sleeve



Ø min-max funi Ø min-max ropes	carico di rottura MBL	lunghezza utile mm working length mm
07÷10	2000	1200
11÷14	2000	1200
15÷20	2000	1200
21÷25	2500	1200
26÷30	3000	1200
31÷40	4500	1400
26÷45	5000	1400
41÷50	5000	1600
46÷60	5000	1600
61÷80	8000	1600
81÷100	10000	2000
101÷140	10000	2400
141÷170	10000	2400
171÷200	10000	2400

Calza con asola o redancia tipo lungo
Cable grip with eye or thimble type long



Ø min-max funi Ø min-max ropes	carico di rottura MBL	lunghezza utile mm working length mm
10÷14	2000	900
15÷20	2000	900
21÷25	2500	1000
26÷30	3000	1200
31÷40	4500	1500
26÷45	5000	1500
41÷50	5000	1500
46÷60	5000	1600
61÷80	8000	1800
81÷100	10000	2000
101÷140	10000	2000
141÷170	10000	2000
171÷200	10000	2000

Calza con due redance passante o aperta
Cable grip with double eye end pulls



Ø min-max funi Ø min-max ropes	carico di rottura MBL	lunghezza utile mm working length mm
10÷14	2000	800
15÷20	2000	800
21÷25	2500	800
26÷30	3000	800
31÷40	4500	1000
26÷45	5000	1000
41÷50	5000	1000
46÷60	5000	1000
61÷80	8000	1000
81÷100	10000	1200
101÷140	10000	1400
141÷170	10000	1400
171÷200	10000	1400

riscono a calze già usate o utilizzate in modo non appropriato. Pertanto l'eventuale riutilizzo o uso improprio avvengono sotto la personale ed esclusiva responsabilità dell'utilizzatore.

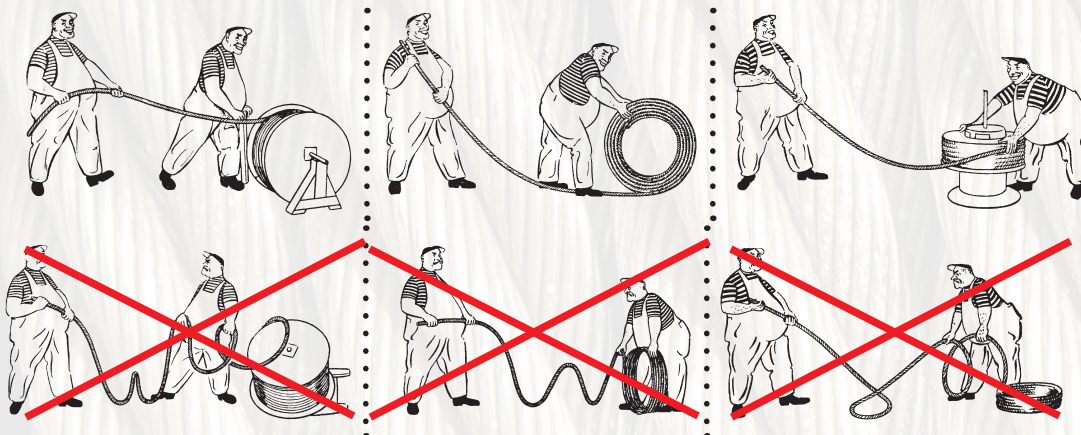
MBL reported on this leaflet referred to cable grips assembled in regularly way, with completely introduced rope with the edge covered and without any sharp edges. The rope must be fixed in a strong way by band-it or binding to cable grip's extremity and there must be no torsion bends. These data cannot be referred to cable grips already used or used in a wrong way. The wrong use or reuse of the cable grips is under the personal and exclusive responsibility of the user.

5. Le lunghezze indicate possono variare in un intervallo di 5-6 cm senza compromettere le caratteristiche del prodotto.

Lengths reported on this leaflet may vary in a range of 5-6 cm without changing the characteristics of the product.

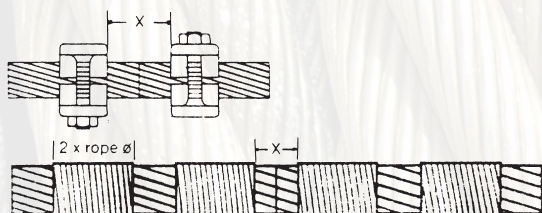
1

MANUTENZIONE HANDLING



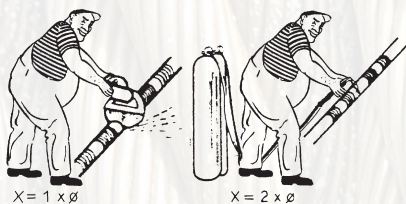
2

PREPARAZIONE AL TAGLIO PREPARATION FOR CUTTING



3

TAGLIO CUTTING



4

SALDATURA DELLE ESTREMITÀ (da usare se il cavo viene tagliato)
END FUSING (to be adopted if abrasive wheel is used)



PRIMA/DOPO SALDATURA: LIBERARE IL CAVO DALLE LEGATURE SOLO DOPO AVER EFFETTUATO UN'EFFICACE SALDATURA DI TUTTI I FILI E I LIGNOLI DELLE ESTREMITÀ.
 BE AWARE: REMOVE SERVINGS AFTER GOOD WELDING OF WIRES AND STRANDS ONLY.

Instructions & Warnings on the use of steel wire rope

STORAGE

After delivery check immediately its identification, condition and verify that it is in accordance with the details on its Certificate. Check the rope diameter and rope terminations to be sure that they match with the equipment where it will be used.

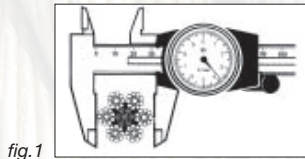


fig. 1

Choose a clean, dry, ventilated, covered place to store the ropes. If it isn't possible, cover the rope with waterproof packaging material. If the rope is stored for longtime, rotate it periodically, so that the lubrication of the rope well distributed.

Support the reel with a simple A- frame, located on ground so that the rope is not in direct contact with the floor and a flow of air is under the reel.

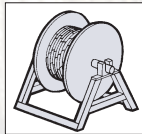


fig. 2

Examine ropes in storage periodically and apply a suitable dressing which is compatible with the manufacturing lubricant.

Ask Remer for suitable lubricant. Wrong lubricant dressing can make ineffective the original one and affected rope performance.

⚠ WARNING

Be careful not to store the ropes in areas with too high temperatures, affected with chemical fumes, steam or corrosive agents. These conditions can significantly affect the rope and could cause a loss of strength and /or a reduction in performance.

CERTIFICATION AND MARKING

Check that Certificate is in your hand before using the rope for lifting operation. Verify that the marking on the rope corresponds to Certificate. Keep the Certificate in a safe place for identification of the rope during its periodic statutory examination.

HANDLING AND INSTALLATION

Handling and installation of a rope must be carried out by competent person and following a detailed plan.

People handling ropes should wear suitable protective clothing, industrial gloves, helmet, eye protectors and safety footwear.

Check that the supplied rope match the characteristics on the Certificate, in accordance with specifications of purchasing order.

Measure nominal diameter using a suitable rope fitted with jaws broad enough to cover not less than two adjacent strands. Take two sets of measurements spaced at least 1 metre apart, ensuring that they are taken at the largest cross-sectional dimension of the rope. At each point take measurements at right angles to each other. The average of these four measurements should be within the tolerances specified in the appropriate Standard.

Examine the rope visually to check that no damage or deterioration have occurred during storage or transportation.

Check the general condition of the drum: radius and pitch, and ensure that the grooves will satisfactorily accommodate the size of the new rope. Check the position of kicker plates or wear plates to be sure that the new rope will spool correctly on the drum.

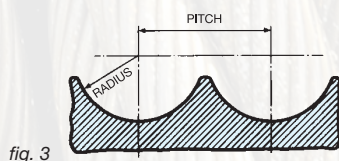


fig. 3

Check that the grooving of the sheaves is of the correct shape and size of the rope. All sheaves must be free to rotate and in good condition. Check that any rope guards are well fitted and in good condition.

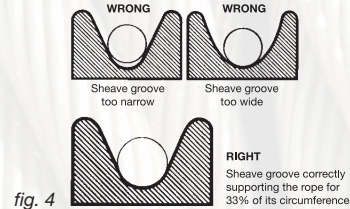


fig. 4

The coil must be placed on the ground and roll it out straight ensuring that it does not become contaminated with harmful material.

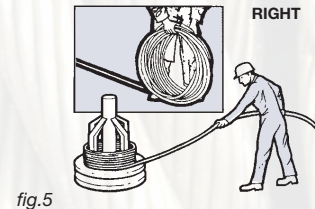


fig. 5

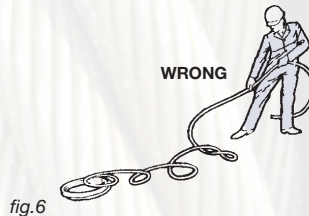
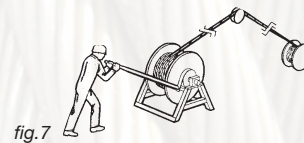


fig. 6

Pass a shaft through the reel and place the reel in a stand that allows it to rotate and be braked in order to avoid overrun during installation. In case of multilayer coiling, it could be necessary to place the reel in equipment that provides a back tension in the rope, as it is being transferred from reel to drum. This ensures underlying laps are wound tightly on the drum.



Verify that the fleet angle during installation of the reel is limited to 1.5 degrees.

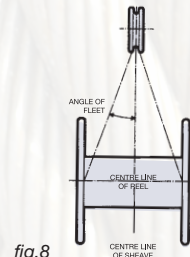


fig. 8

Monitor the rope carefully as it is being pulled into the system and make sure that it is not obstructed by any part of the structure or mechanism which may cause the rope to come free.

Follow the manufacturer's instructions when the rope has to be cut. Apply secure servings on both sides of the cut mark, and ensure that the length of serving is at least equal to two rope diameter.

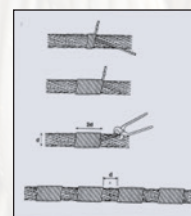
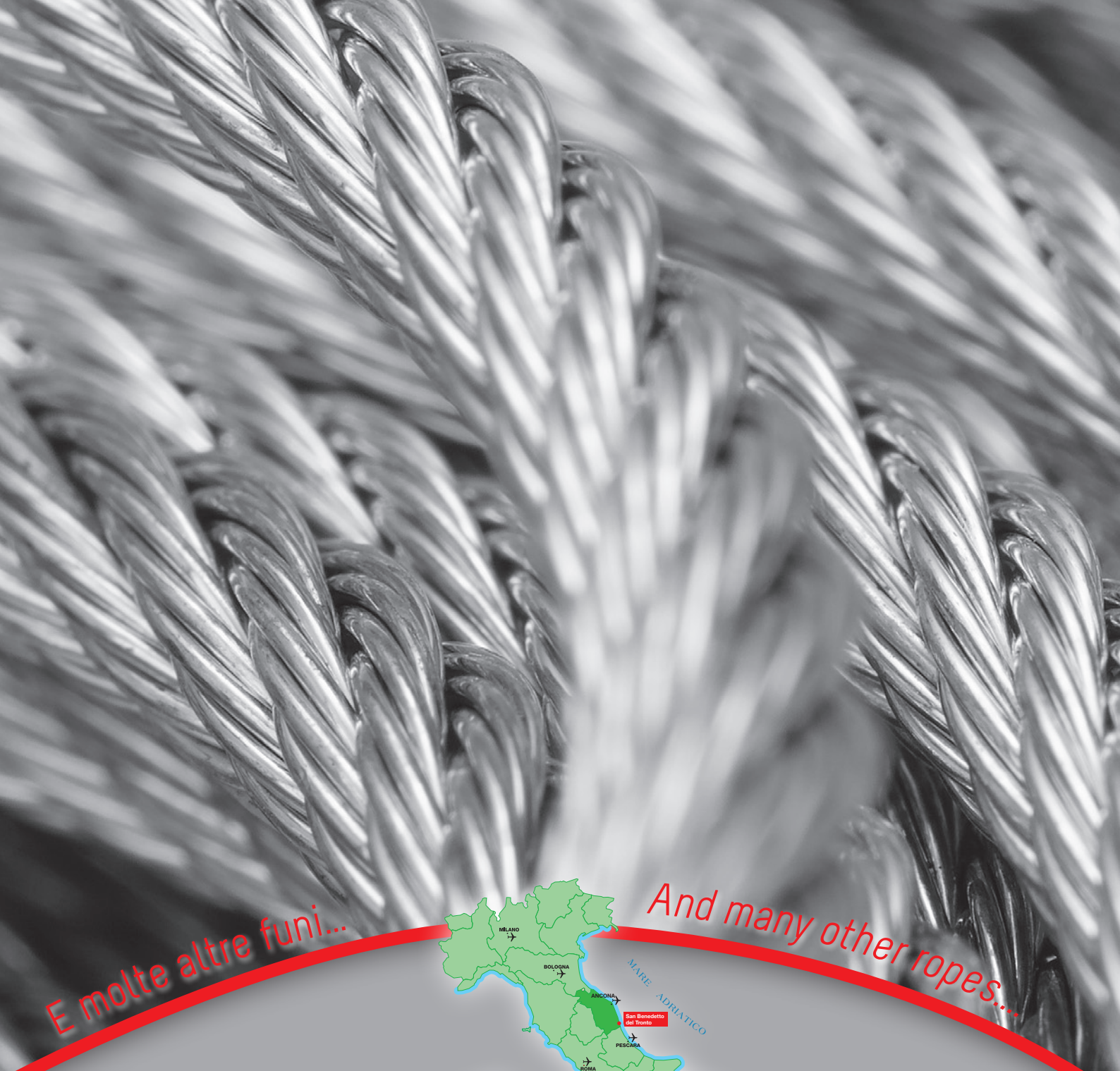


fig. 9



E molte altre funi...

And many other ropes...



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