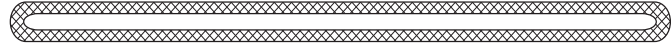


Plasma® Endless Grommet Slings



Plasma® Sling Ratings in Hitch Configurations

One splice in one leg
 Vertical, choker and basket hitches.
 Basket hitches at varying angles

Vertical	Choker	90°	60°	45°	30°
	 120° or >				

PLASMA® ENDLESS GROMMET SLINGS									
Nominal Size				Sling Ratings in Pounds					
Dia. Inches	Dia. MM	Circ. Inches	MBL lbs.	Plasma® 12 Strand – 12 x 12 Construction					
1	24	3	181,500	36,300	29,040	65,340	55,539	45,738	36,300
1 1/16	26	3 1/4	213,180	42,636	34,109	76,745	65,233	53,721	42,636
1 1/8	28	3 1/2	242,550	48,510	38,808	87,318	74,220	61,123	48,510
1 1/4	30	3 3/4	272,250	54,450	43,560	98,010	83,309	68,607	54,450
1 5/16	32	4	323,400	64,680	51,744	116,424	98,960	81,497	64,680
1 1/2	36	4 1/2	364,650	72,930	58,344	131,274	111,583	97,892	72,930
				Plasma® 12 x 12					
1 5/8	40	5	480,150	96,030	76,824	172,854	146,926	120,998	96,030
1 3/4	44	5 1/2	518,100	103,620	82,896	186,516	158,539	130,561	103,620
2	48	6	585,750	117,150	93,720	210,870	179,240	147,609	117,150
2 1/8	52	6 1/2	706,200	141,240	112,992	254,232	216,097	177,962	141,240
2 1/4	56	7	793,650	158,730	126,984	285,714	242,857	200,000	158,730
2 1/2	60	7 1/2	874,500	174,900	139,920	314,820	267,597	220,374	174,900
2 5/8	64	8	983,400	196,680	157,344	354,024	300,920	247,817	196,680
2 3/4	68	8 1/2	1,089,000	217,800	174,240	392,040	333,234	274,428	217,800
3	72	9	1,287,000	257,400	205,920	463,320	393,822	324,324	257,400
3 1/8	76	9 1/2	1,402,500	280,500	224,400	504,900	429,165	353,430	280,500
3 1/4	80	10	1,551,000	310,200	248,160	558,360	474,606	390,852	310,200
3 1/2	84	10 1/2	1,828,200	365,640	292,512	658,152	559,429	460,706	365,640
3 5/8	88	11	2,062,500	412,500	330,000	742,500	631,125	519,750	412,500
3 3/4	92	11 1/2	2,173,050	434,610	347,688	782,298	664,953	547,609	434,610
4	96	12	2,508,000	501,600	401,280	902,880	767,448	632,016	501,600
4 1/8	100	12 1/2	2,676,300	535,260	428,208	963,468	818,948	674,428	535,260
4 1/4	104	13	2,800,050	560,010	448,008	1,008,018	856,815	705,613	560,010
4 1/2	108	13 1/2	3,014,550	602,910	482,328	1,085,238	922,452	759,667	602,910
4 5/8	112	14	3,102,000	620,400	496,320	1,116,720	949,212	781,704	620,400
4 3/4	116	14 1/2	3,179,550	635,910	508,728	1,144,638	972,942	801,247	635,910
5	120	15	3,414,675	682,935	546,348	1,229,283	1,044,891	860,498	682,935
5 1/8	124	15 1/2	3,649,800	729,960	583,968	1,313,928	1,116,839	919,750	729,960
5 1/4	128	16	3,885,750	777,150	621,720	1,398,870	1,189,040	979,209	777,150
5 1/2	132	16 1/2	4,120,875	824,175	659,340	1,483,515	1,260,988	1,038,461	824,175
5 5/8	136	17	4,356,000	871,200	696,960	1,568,160	1,332,936	1,097,712	871,200
5 3/4	140	17 1/2	4,591,125	918,225	734,580	1,652,805	1,404,884	1,156,964	918,225
6	144	18	4,826,250	965,250	772,200	1,737,450	1,476,833	1,216,215	965,250
6 1/8	148	18 1/2	5,062,200	1,012,440	809,952	1,822,392	1,549,033	1,275,674	1,012,440
6 1/4	152	19	5,297,325	1,059,465	847,572	1,907,037	1,620,981	1,334,926	1,059,465
6 1/2	156	19 1/2	5,532,450	1,106,490	885,192	1,991,682	1,692,930	1,394,177	1,106,490
6 5/8	160	20	5,768,400	1,153,680	922,644	2,076,624	1,765,130	1,453,637	1,153,680
6 3/4	164	20 1/2	6,003,525	1,200,705	960,564	2,161,269	1,837,079	1,512,888	1,200,705
7	168	21	6,238,650	1,247,730	998,184	2,245,914	1,909,027	1,572,140	1,247,730
7 1/8	172	21 1/2	6,539,775	1,307,955	1,046,364	2,354,319	2,001,171	1,648,023	1,307,955
7 1/4	176	22	6,708,900	1,341,780	1,073,424	2,415,204	2,052,923	1,690,643	1,341,780
7 1/2	180	22 1/2	6,944,850	1,388,970	1,111,176	2,500,146	2,125,124	1,750,102	1,388,970
7 5/8	184	23	7,179,975	1,435,995	1,148,796	2,584,791	2,197,072	1,809,354	1,435,995
7 3/4	188	23 1/2	7,415,100	1,483,020	1,186,416	2,669,436	2,269,021	1,868,605	1,483,020
8	192	24	7,651,050	1,530,210	1,224,168	2,754,378	2,341,221	1,925,065	1,530,210
8 1/8	196	24 1/2	7,885,350	1,577,070	1,261,656	2,838,726	2,412,917	1,987,108	1,577,070
8 1/4	200	25	8,121,300	1,624,260	1,299,408	2,923,668	2,485,118	2,046,568	1,624,260

* MBL rating of a Plasma® rope in a grommet sling form, is created by using the vertical leg MBL multiplied by 1.65. The grommet ratings are conservative and follow the guidelines established by the Cordage Institute. However, higher ratings may be used after consultation with the manufacturer.

* MBL rating of Plasma® rope endless grommet slings used in a vertical basket life is 1.8 times the vertical grommet MBL rating. This conservative value is used until further testing, especially on large diameters can be performed. For lift applications or clarification, please contact Southern Wire. Corland does not recommend the use of slings in a choker hitch at a lifting angle less than 120°.