

Guy and Messenger Strand

Zinc coated guy or messenger strand is produced to comply with applicable ASTM specifications A-475 & A-363 in class A, B & C coating weight.

7- Wire Galvanized Steel Strand Class A and B Coating

Strand size Inches	Wire Size Inches	Net Weight Lbs. per 1,000 ft.	Minimum Strength in Pounds
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SIEMENS-MARTIN

1 / 4	.080	121	3,150
5/16	.104	205	5,350
3/8	.120	273	6,950
7/16	.145	399	9,350
1 / 2	.165	517	12,100

HIGH STRENGTH

3/16	.062	72.9	2,850
1 / 4	.080	121	4,750
5/16	.104	205	8,000
3/8	.120	273	10,800
7/16	.145	399	14,500
1 / 2	.165	517	18,800
9/16	.188	671	24,500

EXTRA HIGH STRENGTH

3/16	.062	72.9	3,990
1 / 4	.080	121	6,650
5/16	.104	205	11,200
3/8	.120	273	15,400
7/16	.145	399	20,800
1 / 2	.165	517	26,900
9/16	.188	671	35,000

UTILITIES

5/16	.109	225	6,000
3/8	.120	273	11,500
7/16	.145	399	18,000
1/2	.165	517	25,000

ELONGATION REQUIREMENTS FOR GRADES OF STRAND

GRADES OF STRAND	ELONGATION IN 24 IN. (610 MM) MIN, PERCENT
Utilities Grade (1) and Common Strand	10
Utilities Grade (2) and Siemens-Martin	8
Utilities Grade (3) and High Strength	5
Utilities Grade (4) and E- High Strength	4

Guy Strand Substitution Chart

Size & Grade	Min Breaking Strength ASTM A475	Potential Substitution	Min Breaking Strength ASTM A475	Potential Savings
1/2 Util	25,000	1 / 2 EHS	26,900	2%
1 / 2 HS	18,800	7/16 EHS	20,800	22%
1 / 2 SM	12,100	3/8 EHS	15,400	43%
7/16 Util	18,000	7/16 EHS	20,800	3%
7/16 HS	14,500	3/8 EHS	15,400	27%
7/16 SM	9,350	5/16 EHS	11,200	39%
3/8 Util	11,500	5/16 EHS	11,200	21%
3/8 HS	10,800	5/16 EHS	11,200	17%
3/8 SM	6,950	5/16 HS	8,000	20%
5/16 Util	6,000	1 / 4 EHS	6,650	19%
5/16 SM	5,350	1 / 4 EHS	6,650	37%

*Note: 5/16 EHS has 300 lbs. less breaking strength than 3/8 UTIL. This chart is not an engineering document. It is designed to show what substitutions might be made and an estimate of the potential cost savings. Specifications should be checked carefully to ensure that the size and grade chosen meets all requirements of the design Prior to a substitution being made.





Galvanized Strand

250' Coils

Product	Prod. Number
1/4 Siemens-Martin 250'	14sm250
1/4 High Strength 250'	14hs250
1/4 Extra High Strength 250'	14ehs250
1/4 Utility 250'	14util250
5/16 Siemens-Martin 250'	516sm250
5/16 High Strength 250'	516hs250
5/16 Extra High Strength 250'	516ehs250
5/16 Utility 250'	516util250
3/8 Siemens-Martin 250'	38sm250
3/8 High Strength 250'	38hs250
3/8 Extra High Strength 250'	38ehs250
3/8 Utility 250'	38util250
7/16 Siemens-Martin 250'	716sm250
7/16 High Strength 250'	716hs250
7/16 Extra High Strength 250'	716ehs250
7/16 Utility 250'	716util250
1/2 Siemens-Martin 250'	12sm250
Y2 High Strength 250'	12hs250
Y2 Extra High Strength 250'	12ehs250
Y2 Utility 250'	12util250
9/16 High Strength 250'	916hs250
9/16 Extra High Strength 250'	916ehs250

500' Coils

Product	Prod. Number
1/4 Siemens-Martin 500'	14sm500
1/4 High Strength 500'	14hs500
1/4 Extra High Strength 500'	14ehs500
1/4 Utility 500'	14util500
5/16 Siemens-Martin 500'	516sm500
5/16 High Strength 500'	516hs500
5/16 Extra High Strength 500'	516ehs500
5/16 Utility 500'	516util500
3/8 Siemens-Martin 500'	38sm500
3/8 High Strength 500'	38hs500
3/8 Extra High Strength 500'	38ehs500
3/8 Utility 500'	38util500
7/16 Siemens-Martin 500'	716sm500
7/16 High Strength 500'	716hs500
7/16 Extra High Strength 500'	716ehs500
7/16 Utility 500'	716util500
1/2 Siemens-Martin 500'	12sm500
1/2 High Strength 500'	12hs500
1/2 Extra High Strength 500'	12ehs500
1/2 Utility 500'	12util500
9/16 High Strength 500'	916hs500
9/16 Extra High Strength 500'	916ehs500