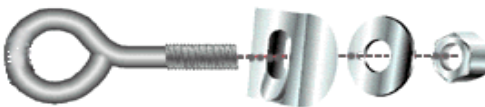


AISC #19-96 APPROVED BRACING AND STRAND



BRACING ASSEMBLIES - KITS

INCLUDES FORGED EYE BOLT, NUT AND WASHER
ZINC PLTD. AND DUCTILE STEEL HILLSIDE WASHER

SIZE	DB PART #	PCS/CTN	LBS/C	MIN STRENGTH	PRICE/C	
					BRKN CTN	FULL CTN
1/2"	BRACE-KIT-F-1/2"	50	110	12,320	386.75	309.40
5/8"	BRACE-KIT-F-5/8"	35	175	16,940	533.75	427.00
3/4"	BRACE-KIT-F-3/4"	20	320	22,880	666.75	533.40
7/8"	BRACE-KIT-F-7/8"	15	520	29,590	1083.25	866.60

GALVANIZED STEEL STRAND

CLASS A COATING - EXTRA HIGH STRENGTH

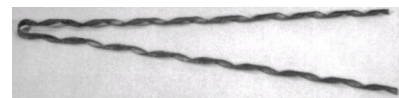


STRAND SIZE	DB PART #	NET WEIGHT LB/1,000'	MIN STRENGTH	PRICE / ROLL			
				250'	500'	2500'	5000'
1/4"	STRAND-1/4	121	6,650				
5/16"	STRAND-5/16	205	11,200				
3/8"	STRAND-3/8	273	15,400				
7/16"	STRAND-7/16	399	20,800				
1/2"	STRAND-1/2	517	26,900				

CALL FOR PRICING

EASY LOC GRIPS

CLASS A



SIZE	DB PART #	PCS / CTN	LBS / C	COLOR CODE	MIN STRENGTH	PRICE / EA	
						BRKN CTN	FULL CTN
1/4"	BRG-2580	50	38	YL	7,315	2.40	2.19
5/16"	BRG-2582	50	54	BLK	12,320	3.05	2.77
3/8"	BRG-2583	50	86	OR	16,940	5.04	4.58
7/16"	BRG-2584	25	144	GR	22,880	6.83	6.21
1/2"	BRG-2585	25	196	BL	29,590	8.26	7.51

EYE BOLTS - FORGED

9" LONG SHANK WITH 6" OF THREAD W/ HEX NUT AND FLAT WASHER ZINC PLTD.



SIZE	DB PART #	PCS / CTN	LBS / C	GRIP SIZE	MIN STRENGTH	PRICE / C	
						BRKN CTN	FULL CTN
1/2"	EYEBOLT-KIT-F-1/2"	50	75	1/4"	12,320	290.70	232.56
5/8"	EYEBOLT-KIT-F-5/8"	40	124	5/16"	16,940	384.20	307.36
3/4"	EYEBOLT-KIT-F-3/4"	25	210	3/8" - 7/16"	22,880	469.20	375.36
7/8"	EYEBOLT-KIT-F-7/8"	15	290	1/2"	29,590	637.50	510.00

HILLSIDE WASHERS

DUCTILE



SIZE	DB PART #	PCS / CTN	LBS / C	MIN STRENGTH	PRICE / C	
					BRKN CTN	FULL CTN
1/2"	50RWHS	200	35	12,320	85.00	68.00
5/8"	62RWHS	100	50	16,940	115.60	92.48
3/4"	75RWHS	75	110	22,880	299.20	239.36
7/8"	87RWHS	50	230	29,590	394.40	315.52

COMPARE THE STRENGTH

Published Rated Breaking Strength (Lbs.) of EHS Strand

Size	Strength
1/4"	6,650
5/16"	11,200
3/8"	15,400
7/16"	20,800
1/2"	26,900

Diameter for diameter, a stranded steel cable provides greater tensile strength than a solid steel rod. Referring to the table at right for EHS (Extra High Strength) galvanized steel strand and the table below for PSI yield, PSI design work stress and design work load (in pounds) of steel bar would find, for example, that a 1/2" diameter steel rod of 36,000 PSI yield strength has a design work load of 3,070 pounds. A 1/2" diameter EHS stranded cable has a published rated breaking strength (RBS) of 26,900 pounds and a design work load of 13,450 pounds (based on a two times safety factory) Over four times as strong.

Eyebolts designed for the Easy Loc dead end strand size provide 110% or more of the tensile strength of the cable

Solid Steel Rods VS EHS Strand Cable

36,000 PSI Yield
21,600 PSI Design
*Work Stress

42,000 PSI Yield
25,200 PSI Design
*Work Stress

50,000 PSI Yield
30,000 PSI Design
*Work Stress

Rod Size	Design Work Load Lbs **	Strand Size ***	Design Work Load Lbs **	Strand Size ***	Design Work Load Lbs **	Strand Size ***
3/8"	1,680	1/4"	1,970	1/4"	2,340	1/4"
7/16"	2,290	1/4"	2,670	1/4"	3,180	1/4"
1/2"	3,070	1/4"	3,580	5/16"	4,260	5/16"
9/16"	3,930	5/16"	4,590	5/16"	5,460	5/16"
5/8"	4,880	5/16"	5,690	3/8"	6,780	3/8"
11/16"	6,240	3/8"	7,280	3/8"	8,670	7/16"
3/4"	7,210	3/8"	8,420	7/16"	10,020	7/16"
13/16"	9,070	7/16"	10,580	1/2"	12,600	1/2"
7/8"	9,980	7/16"	11,640	1/2"	13,860	1/2"
15/16"	12,440	1/2"	14,510	9/16"	17,280	9/16"
1"	13,090	1/2"	15,270	9/16"	18,180	5/8"

Notes:

* Based on 60% of PSI yield.

** Derived by multiplying the design work stress by the tensile stress area of the threaded rod

*** Based on a two times safety factor of the design work load.

Easy Loc cross member bracing should not be used for temporary bracing

Disclaimer: Test results and specifications are based on laboratory conditions and should not be used as a guide. Appropriate safety factors should be used by the user or specifier. Determining the proper fastener is the responsibility of the user or specifier. Because actual job site conditions vary, we assume no liability for the use of this information.

COMPONENT COMBINATIONS

NON CERTIFIED

EYEBOLT STRENGTH AND COMBINATIONS

DB CERTIFIED AISC #19-96

EYEBOLT STRENGTH AND COMBINATIONS

Strand Size	Component Strength	NON CERTIFIED			Wire Strand Strength	DB CERTIFIED AISC #19-96				
		Easy Loc Grip	Eye Bolt	Hillside Washer		Strand Size	DB Component Strength*	Easy Loc Grip	Forged Eye Bolt	Hillside Washer
1/4"	Non Tested	1/4"	1/2"	1/2"	6,650	1/4"	12,320	1/4"	1/2"	1/2"
5/16"	Non Tested	5/16"	5/8"	5/8"	11,200	5/16"	12,320	5/16"	1/2"	1/2"
3/8"	Non Tested	3/8"	3/4"	3/4"	15,400	3/8"	16,940	3/8"	5/8"	5/8"
7/16"	Non Tested	7/16"	3/4"	3/4"	20,800	7/16"	22,880	7/16"	3/4"	3/4"
1/2"	Non Tested	1/2"	7/8"	7/8"	26,900	1/2"	29,590	1/2"	7/8"	7/8"

*SURPASSES ASCE #19-96 REQUIREMENT OF 110% OF WIRE STRAND STRENGTH.