Where we are



Sicame North America

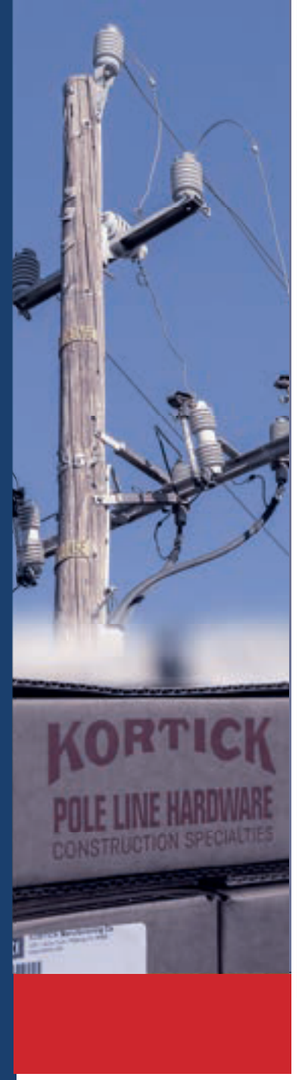
+1-866-457-4830
sales@sicamena.com
www.sicame-north-america.com

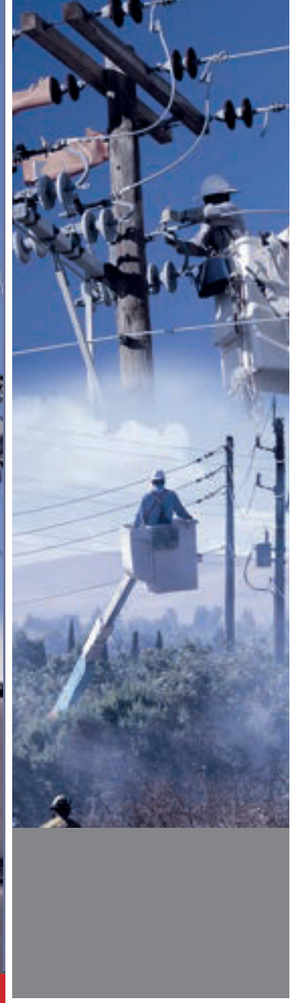
1674 Frontenac Road, Naperville, IL 60563,
United States of America

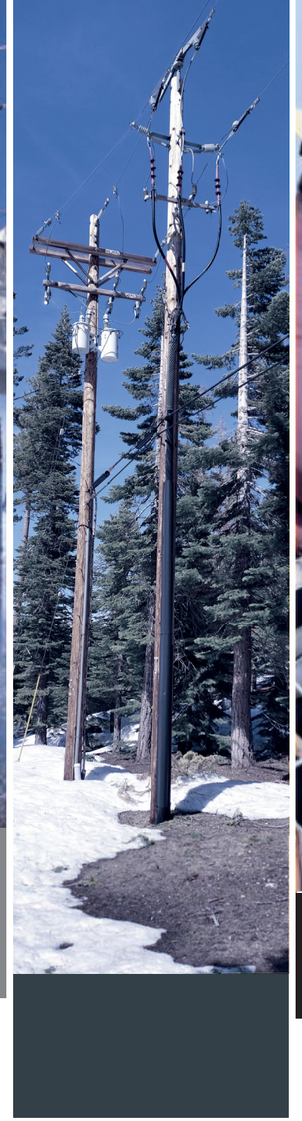
sicame
NORTH AMERICA

Distribution Primary Overhead Lines • 2024

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Pole Line Hardware

Distribution Overhead Lines

sicame
NORTH AMERICA

About us

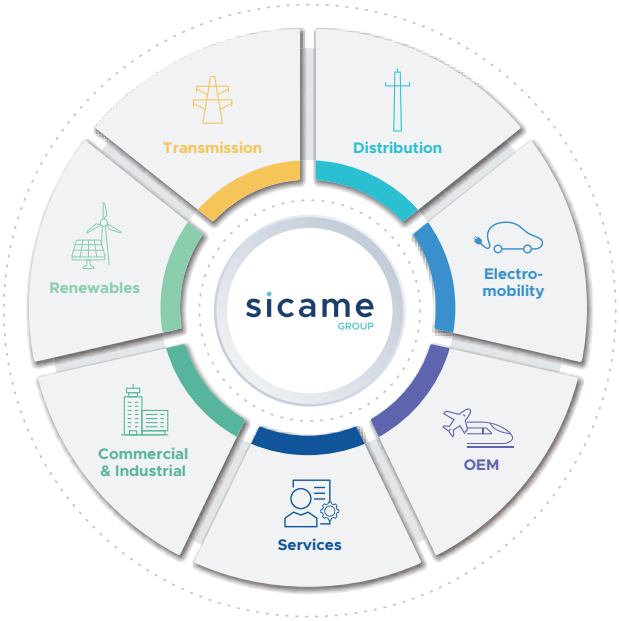
Sicame Group is one of the key players in the electrical equipment business worldwide. It has been able to adapt and develop to support the continuous evolution of electricity infrastructure in France and around the world, and become the largest independent entity in its sector.

A true player in the energy transition, it offers its customers new products and services to improve energy efficiency, deal with environmental risks and support the development of electric vehicle and solar power plant markets.

+65
years of worldwide success

$565M
2022 turnover

3,600
employees



Our fields of activity

Sicame Group is specialised in **products and services** related to transmission and distribution of **electrical energy**, renewables, electro-mobility, safety equipment and industrial applications.

5 continents

26 countries

50 companies around the world

Products distributed in **157** countries



Our history

KORTICK
Sicame Group

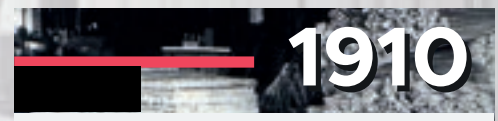


Mr. J.C.Kortick creates the Kortick Manufacturing Company. First approached by Pacifi Tel. & Tel. Co., now known as Pacific States Telephone and Telegraph Co. First braces and bolts for pole line construction are born.



Needs from the Pacific States telephone and Telegraph Co. grows, so as Kortick production lines.

1906
A terrible series of earthquakes shakes and disfigures San Francisco. Kortick's plant is destroyed. Meanwhile, the telephone operating company is putting all efforts to restore telecommunication lines. Within 2 weeks, Kortick settles in a shed with the machinery that could be salvaged and starts the production again.



1912
Kortick receives first "huge" order from the North Electric Co. of Canada, fabricates and ships more than 100 tons of pole line hardware.

1919
Kortick extends its activities to power companies.



1924
General Purchasing department of the Western Electric Co of New York establish an office on the Pacific coast. That is when, Kortick becomes first contract supplier for pole line hardware on the Pacific Coast for the telephone companies.

1925
Call for tender is issued by Southern California Edison Co. for special designed equipment for the first 220 kV line of the Pacific Cost. Kortick successfully win the tender against all eastern competition.



Kortick proudly contributes to local architecture and landscape by manufacturing special rivets for the Golden Gate Bridge and Bay Bridge. Same time, Kortick worked on developing its lines to qualify for R.E.A. and P.U.D. approval. In October 1940, Kortick obtains approval and is officially added to the approved lists of materials.



First plant expansion project is launched - 4 times larger than the current one.

1941
In December, 91% of the plant is built, and put on hold during WW2 period. Part of the building was requisitioned by the US Navy and Maritime War Commission until 1950. Kortick actively participates in the war effort by producing thousands of tons of pole line material for government projects in the Pacific and the East.

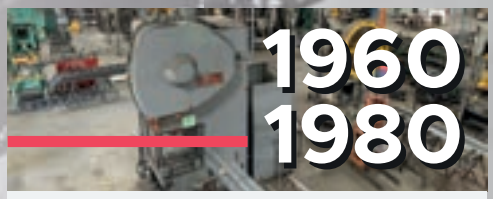


Kortick is selected to represent pole line hardware manufacturers at the EEI Committee on Standard Packaging. Kortick uses wire bound boxes since 1945 and has made considerable progress in standard packaging and packaging in their own plant. The results of this experience and research were used extensively in the final adoption of the present industry Standard Packaging Program.



Early 1950
Kortick finally moves in the new factory, triples its production facilities, and doubles the capacity of its San Francisco warehouse.

Mid 1950
Until the beginning of the 1960s, numerous investments were made for new plant machinery and new buildings as the activities grow and expand. The objective is to have by 1959 a galvanization plant operating for all inside production needs.



Kortick launches California General Order 95 Product line. Kortick supplies the bulk of the hardware as the exclusive hardware supplier to western electric who supplied AT&T. Kortick expands its OEM Hot Dip Galvanizing offerings for the electrical industry.



2002
Kortick moves to Hayward.

2006
Kortick ships truckloads of material overnight on the weekend to assist SDG&E in fire rebuild. Kortick wins the "SMUD 2009 Power Player Award" for exceptional support during California Wind Storms.



2013
Kortick launches Armorgalv® technology in the utility industry.

2018
Kortick moves to Pittsburg facility.

2019
Kortick plays integral role in rapid deployment of California electrical utility fire hardening mandates.

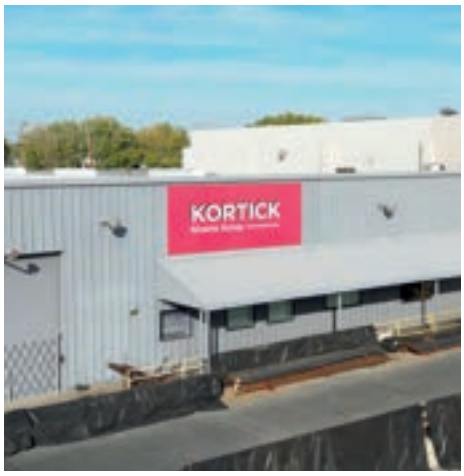
2020

Along with its now sister companies from Sicame Group - Sicame, Dervaux Distribution, Dervasil, Skelt, Nortroll, etc. – Kortick provides a comprehensive range of cable and pole accessories for Overhead Power Lines.

- Mechanical network reliability solutions
- Traditional and advanced conductor fittings and connectors
- Arresters, cutouts and reclosers
- Wildlife protection
- Fault detection, smart sensing, remote operation and IoT
- Line design tools, services, training and asset management solutions

As a complimentary fit into the Sicame Group's offering, Kortick now provides agile, comprehensive engineered solutions across a broader range of applications further developing and deepening its already close connection with its customers.

Our factories in North America



KORTICK
Sicame Group

Kortick Manufacturing, USA

The Kortick Manufacturing company is the West Coast Pioneer for Pole Line Hardware.

With its century of know-how heritage, exceptional product quality and durability Kortick has long been recognized as THE Pole Line Hardware specialist in the market, spreading from the Western shore throughout the United States of America. With local roots and an extensive Buy America Certified range of product, Kortick is close to its customers when they need it.

Kortick offers a wide array of best in class solutions for electrical Transmission and Distribution hardware as well as heavy duty specialty applications in telecom, marine & construction hardware.

Production site of 65,000 sq ft is located in Pittsburg, California.

Kortick takes pride in its strong reputation on Service and Quality and has won several awards for its quality of service and fast delivery.

Added value:

Kortick keeps on innovating to provide ever more dependable products. The introduction of ArmorGalv® Thermal Diffusion Galvanizing is a testimony of this commitment.

ArmorGalv®

A company certified in accordance with ISO 9001:2015 quality standards



ASKPower
Sicame Group

Ask Power Inc., USA

ASK is an experienced manufacturer of high voltage power and grounding compression connectors and offers a complete range of wire gauges, stud sizes for utilities power product lines, as well as for sustainable, electrical and transformer line, truck & off-road & military purposes.

Production site of 51,000 sq ft is located in Naperville, Illinois.

Many of ASK's products are Underwriter's Laboratories (UL) listed for U.S., Canadian and worldwide safety and effectiveness assurance, and our Quality System complies with military quality systems MIL-I-45208.

Added value:

With fully integrated process, Ask Power can design, develop, tool, and begin production of an entire product line or gauge range, provide prototypes in as little as 48 hours, or tool and produce whole product lines in as little as 90 days.

A company certified in accordance with ISO 9001:2015 quality standards, ISO 9000-2015 design control compliant solutions.



Power Line Sentry

Power Line Sentry, USA

Power Line Sentry: the solution to wildlife mitigation on the electrical grid. From insulating covers to avian power line protection, Power Line Sentry products improve system reliability through wildlife and environmental protection. Power Line Sentry products are proven to be effective, easy to install, and built for longevity so you can rest easy knowing your assets are protected from wildlife and environmental interferences that cause unnecessary power outages.

Production site of 15,000 sq ft is located in Wellington, Colorado.

Provide quality, durable, affordable, easy to in install protection products. Design with biology in mind.

Added value:

Internal laboratory testing capabilities for both mechanical and electrical tests?*
Complete integrated engineering team

A company certified in accordance with ISO 9001:2015



sicame ENERGIE

Sicame Energie Inc., Canada

Sicame Energie designs and manufactures in Canada a complete line of quality products for transmission, distribution, tooling, sub-station and security for the local market. Our product lines are complemented with products of our other subsidiaries around the world which allows us to offer the widest product range in our market. The know how and the quality of our products is backed by a history of product lines with a rich history of achievements and customer satisfaction.

In 2008, Sicame Energie acquires Poltec Industries Limited, a leader in pole line hardware to better serve the distribution market with electrical and industrial accessories.

Production site of 125,000 sq ft is located in St-Hubert on the south shore of Montreal, Canada.

Complete engineering team at Sicame Energie dedicated to respond to the specific needs of our customers.

Added value:

Internal laboratory testing capabilities for both mechanical and electrical tests.

A company certified in accordance with ISO 9001:2015 - CSA 47.1 Division 2 & CSA 47.2 Division 2 quality standards



Hydel

Hydel Inc., Canada

Hydel Inc. is a fully integrated industrial company fabricating metallic enclosures for various applications, pole line hardware and grounding accessories. Hydel has a large customer portfolio with over 50 years' experience serving the residential, industrial, and utility markets.

Production site is located in Vaughan, Ontario, Canada.

Added value:

Internal laboratory testing capabilities for both mechanical and electrical tests.

A company certified in accordance with ISO 9001:2015 - CSA 47.1 Division 2 & CSA 47.2 Division 2 quality standards

Service Centers in North America

- PPE testing
- Laboratory testing
- Storm emergency response
- Training

and so much more...

Our brands, much more than just simple products

With more than 65 years of experience in the knowledge of electrical networks, we have the understanding of the challenges and constraints of these insfrastrures and accompany you every day at every step of the way.

Based on our unique manufacturing know-hows, our brands are the result of years of expertise supported by the technical knowledge and mastery of men and women for generations, at your service every day to respond to your daily problems in the field.

We have strengthened our R&D resources to offer you ever more innovative solutions to meet the new constraints of a constantly changing environment. Mindful of the new environmental challenges, we also work every day to make tomorrow's world safer and cleaner.

Therefore, our brands are not just simple brands, but simply references of efficiency, reliability and complianceness on the market.









SUMMARY

- **01** Fasteners
- **02** Attachments guying, dead-ending & pole banding
- **03** Pole steps
- **04** Secondary & service hardware
- **05** Insulator pins & studs
- **06** Insulator brackets
- **07** Brackets
- **08** Braces
- **09** Crossarms & gains
- **10** Specialty products
- **Index**

ArmorGalv®
Thermal diffusion galvanizing

What is ArmorGalv®?

ArmorGalv® capitizes on the latest technology in order to enhance the Thermal Diffusion Galvanizing (TDG) process.
It consists of applying a uniform zinc iron alloy coating using vapor diffusion process combined with patented additives.
That gives AG coated products **a longer life in corrosive environments** than hot dip galvanized products (HDG).

How it works ?

Using Zinc powder and heat, ArmorGalv® forms a corrosion-resistant, zinc-iron alloy layer on the surface of steel or iron. Then patented top coats are added to create the ArmorGalv® barrier. AG works with any type of steel, cast or forged, as well as stainless steel, and so much more. This layer is not simply a coating, it molecularly transforms the steel surface allowing for superior corrosion protection. Internal thread and cavities are coated to give products complete protection from corrosion.

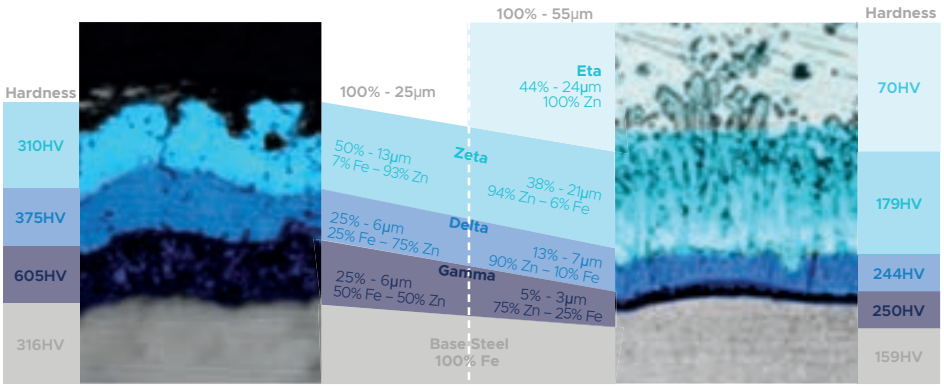
Certified Process

- We are the 1st supplier of the utility industry in the US territory to use ArmorGalv® coating process and Thermal Diffusion Galvanizing
- We are licensed and engage with the most experienced TDG company into the world, Distek
- Our technology is compliant with national American ASTM A1059 & AG 3000 standard
- It is approved by utilities around the country.
- Low energy consuming process
- EPA Award winning for environmental waste reduction

ArmorGalv®
versus hot dip galvanization

Metallurgical cross sections compositions

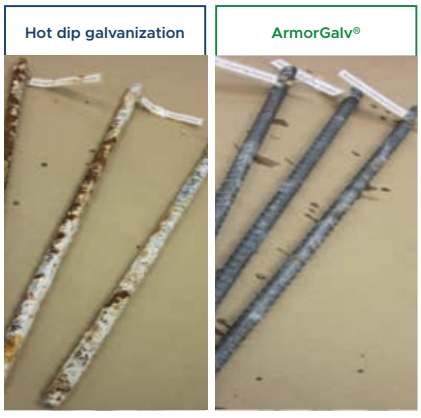
ArmorGalv® | Hot dip galvanization



The metallurgical composition of ArmorGalv® is 100% zinc iron alloy. The GAMMA layer which is 50% zinc, 50% iron alloy is the hardest and most important layer for corrosion protection. This Layer represents 20 to 30% of the total coating and allows for this critical layer to protect against corrosion resist and also maintaining strong resitance to any abrasion resistance and abuse in the field..

Certified coating

B117 Salt spray test after 3000h



B117 Salt spray test after 1500h





Our ArmorGalv® treatment guarantee, a corrosion protection performance up to 3000H in salt spray. The level of performance is similar or even better to 316 stainless steel.



- **We are committed to offering you solutions for:**

 - Resilience of the utility network from undesirable effect of corrosion or abrasion

- **We can provide full equipment for**
- Pole line hardwares
- Guying fittings
- Brackets
- Personalized solution
- Insulating strings
- Insulators end fittings

Our Sicame offer

Aware of the issues faced by the utilities to maintain a longer service life, we are pleased to offer ArmorGalv®.
Armorgalv® is the most effective alloy solution againstcorrosion and field abrasion while limiting the environmental footprint of the product.

Benefits

Coating

Uniform & consistent coating thickness

Hardness properties

Anti-galling properties

Cost effective

Durable

Allows additional sealants & top coats

Performance

Highly corrosion resistant even on extreme and salted exposure

Extends life of product similar to stainless steel

Better thread fit and thread corrosion performance

Highly abrasion resistant

No flaking, peeling or blistering

Free from hydrogen embrittlement

Greener

Product life extension

Energy efficent process

Near zero waste

Greener supply chain

No acids or harsh chemicals

Non toxic vapor or gases release in the air

No heavy metals used; replacement of cadmium, leads

Summary & coating processes

	Hot dip galvanization	ArmorGalv®	Stainless steel
Corrosion protection	+	+++	+++
Thickness consistency	+	+++	/
Thread reliability	-	+	+/-
Anti galling performance	+	+++	-
Strength	+	+	+
Abrasion resistance	-	+	+
Product life	+	+++	+++
Cost	$	$$	$$$





Choose USA manufacturing today,
Buy America Compliant with Sicame

BUY AMERICAN COMPLIANT

Sicame has been manufacturing pole-line products in the California bay area for over 100 years. Sicame prides itself on providing domestic manufacturing and assembly. In our Pittsburg plant we shear, punch, bend, form, hot forge, upset forge, thread, weld and machine steel to make a variety of products serving the transmission and distribution industries. We also exclusively source US steel for our in-house production.

Sicame is happy to provide buy American compliant products upon request. The requirements of buy America compliance depends on the final application of the product and governing agency, as the Environmental Protection Agency (EPA), the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA) & the Federal Aviation Administration (FAA) all have slightly different requirements.

The most common standard is the two-part test outlined in the Buy American Act that requires that (1) the end-product must be manufactured in the United States, and (2) more than 50 percent of the cost of all the component parts must also be manufactured in the United States. This is the standard that Sicame follows when certifying a part to be “buy America compliant”.

If you require that 100% of components have their material sourced and be manufactured in the US, please inquire with our sales staff about availability.

Although Sicame primarily relies on our in-house manufacturing, we also source and distribute products from different sources, including overseas. Due to this, it is important that you specify buy America compliant when requesting a quote as we do not always stock all-domestic products, especially smaller fasteners. Since we do not lot-track non-BAC inventory, we often cannot certify our current inventory and therefore generally make BAC products to order.

To request a quotation on “buy America compliant”(BAC) inventory please add “BAC” to the end of the part number. For example KXXXXBAC.

*Note our BAC part number adheres to the two-part definition outlined above. If you require a different standard please specify that to our sales staff and they will be happy to help meet your needs.

01

Fasteners

- Miscellaneous bolts & screws
- Nuts
- Washers

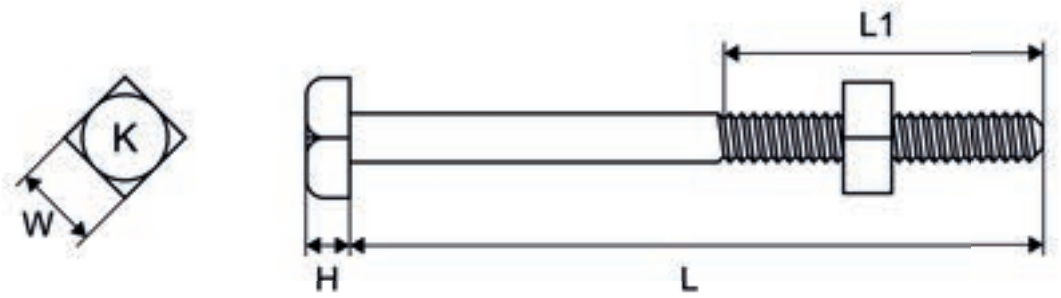
Miscellaneous bolts & screws

SHMB 3/8

SQUARE HEAD MACHINE BOLTS 3/8

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Each bolt is assembled with one square nut.
Bolts are roll threaded to a course class 2 fit and are formed with a chamfered tip for ease of use.
The head is stamped with the letter K.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standards.
Sicame's square head machine bolts are used by the construction, maintenance, and service devisions of most utility in the country, They are also known as through bolts or cable suspension bolts.



Ref.	L (in)	L1 (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
						Rating
K1002	2	1	9/16	1/4	3/8 -16 UNC	4 250
K1004-1/2	4-1/2	3	9/16	1/4	3/8 -16 UNC	4 250
K1005	5	3	9/16	1/4	3/8 -16 UNC	4 250
K1005-1/2	5-1/2	3	9/16	1/4	3/8 -16 UNC	4 250
K1006	6	3	9/16	1/4	3/8 -16 UNC	4 250
K1007	7	3	9/16	1/4	3/8 -16 UNC	4 250
K1008	8	3	9/16	1/4	3/8 -16 UNC	4 250
K1009	9	3	9/16	1/4	3/8 -16 UNC	4 250

Custom diameters (up to 2-1/2"), bolt lengths, thread lengths, and assemblies available upon request.

To request Armorgalv® finish add "TDG" to the end of part number

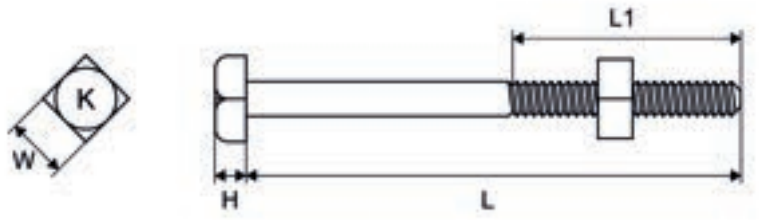
SHMB 1/2

SQUARE HEAD MACHINE BOLTS 1/2

sicame GROUP

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Ref.	L (in)	L1 (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
						Rating
K1101	1	3/4	3/4	21/64	1/2 - 13 UNC	7 800
K1101-1/2	1-1/2	1	3/4	21/64	1/2 - 13 UNC	7 800
K1102	2	1-1/4	3/4	21/64	1/2 - 13 UNC	7 800
K1102-1/4	2-1/4	1-1/4	3/4	21/64	1/2 - 13 UNC	7 800
K1103	3	1-1/4	3/4	21/64	1/2 - 13 UNC	7 800
K1104	4	3	3/4	21/64	1/2 - 13 UNC	7 800
K1104-1/2	4-1/2	3	3/4	21/64	1/2 - 13 UNC	7 800
K1105	5	3	3/4	21/64	1/2 - 13 UNC	7 800
K1106	6	3	3/4	21/64	1/2 - 13 UNC	7 800
K1107	7	3	3/4	21/64	1/2 - 13 UNC	7 800
K1108	8	4	3/4	21/64	1/2 - 13 UNC	7 800
K1109	9	4	3/4	21/64	1/2 - 13 UNC	7 800
K1110	10	4	3/4	21/64	1/2 - 13 UNC	7 800
K1112	12	6	3/4	21/64	1/2 - 13 UNC	7 800
K1114	14	6	3/4	21/64	1/2 - 13 UNC	7 800
K1116	16	6	3/4	21/64	1/2 - 13 UNC	7 800
K1118	18	6	3/4	21/64	1/2 - 13 UNC	7 800
K1120	20	6	3/4	21/64	1/2 - 13 UNC	7 800
K1122	22	6	3/4	21/64	1/2 - 13 UNC	7 800
K1122-24	24	6	3/4	21/64	1/2 - 13 UNC	7 800

Custom diameters (up to 2-1/2"), bolt lengths, thread lengths, and assemblies available upon request.

To request Armorgalv® finish add "TDG" to the end of part number

Miscellaneous bolts & screws

SHMB 5/8

SQUARE HEAD MACHINE BOLTS 5/8

sicame GROUP

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Ref.	L (in)	L1 (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
						Rating
K1201-3/4	1-3/4	1-1/4	15/16	27/64	5/8 - 11 UNC	12 400
K1202	2	1-1/4	15/16	27/64	5/8 - 11 UNC	12 400
K1202-1/2	2-1/2	1-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1203	3	1-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1204	4	1-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1205	5	3	15/16	27/64	5/8 - 11 UNC	12 400
K1206	6	3	15/16	27/64	5/8 - 11 UNC	12 400
K1207	7	3	15/16	27/64	5/8 - 11 UNC	12 400
K1208	8	4	15/16	27/64	5/8 - 11 UNC	12 400
K1209	9	4	15/16	27/64	5/8 - 11 UNC	12 400
K1210	10	6	15/16	27/64	5/8 - 11 UNC	12 400
K1212	12	6	15/16	27/64	5/8 - 11 UNC	12 400
K1214	14	6	15/16	27/64	5/8 - 11 UNC	12 400
K1216	16	6	15/16	27/64	5/8 - 11 UNC	12 400
K1218	18	6	15/16	27/64	5/8 - 11 UNC	12 400
K1220	20	6	15/16	27/64	5/8 - 11 UNC	12 400
K1222	22	6	15/16	27/64	5/8 - 11 UNC	12 400
K1224	24	6	15/16	27/64	5/8 - 11 UNC	12 400
K1226	26	6	15/16	27/64	5/8 - 11 UNC	12 400
K1228	28	6	15/16	27/64	5/8 - 11 UNC	12 400
K1230	30	6	15/16	27/64	5/8 - 11 UNC	12 400
K1230-32	32	6	15/16	27/64	5/8 - 11 UNC	12 400
K1230-34	34	6	15/16	27/64	5/8 - 11 UNC	12 400
K1230-36	36	6	15/16	27/64	5/8 - 11 UNC	12 400
K1230-38	38	6	15/16	27/64	5/8 - 11 UNC	12 400

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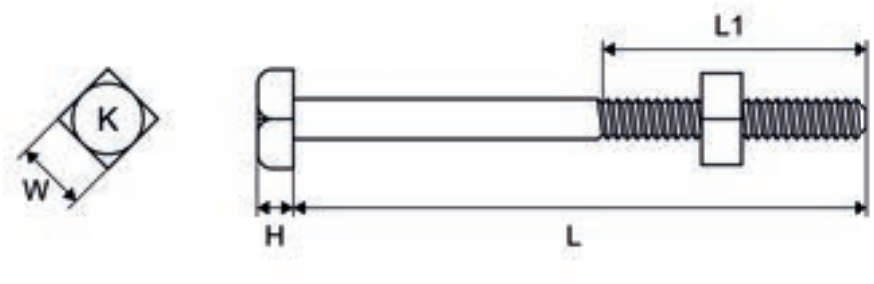
SHMB 3/4

SQUARE HEAD MACHINE BOLTS 3/4

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Each bolt is assembled with one square nut.
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The head is stamped with the letter K.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standards.
Sicame's square head machine bolts are used by the construction, maintenance, and service devisions of most utility in the country, They are also known as through bolts or cable suspension bolts.



Ref.	L (in)	L1 (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
						Rating
K1302	2	1-3/8	1-1/8	1/2	3/4 - 9 UNC	18 350
K1302-1/2	2-1/2	1-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1303	3	1-3/4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1308-1/2	8-1/2	4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1310	10	4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1312	12	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1314	14	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1316	16	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1318	18	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1320	20	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1322	22	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1324	24	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1326	26	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1328	28	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1330	30	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1332	32	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1338	38	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1342	42	6	1-1/8	1/2	3/4 - 9 UNC	18 350

Custom diameters (up to 2-1/2"), bolt lengths, thread lengths, and assemblies available upon request.

To request Armorgalv® finish add "TDG" to the end of part number

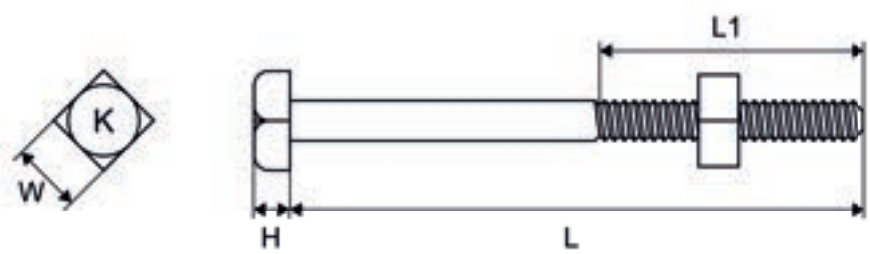
Miscellaneous bolts & screws

SHMB 7/8

SQUARE HEAD MACHINE BOLTS 7/8

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Each bolt is assembled with one square nut.
Bolts are roll threaded to a course class 2 fit and are formed with a chamfered tip for ease of use.
The head is stamped with the letter K.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standards.
Sicame's square head machine bolts are used by the construction, maintenance, and service devisions of most utility in the country, They are also known as through bolts or cable suspension bolts.



Ref.	L (in)	L1 (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
						Rating
K1762	12	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1764	14	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1766	16	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1768	18	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1770	20	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1772	22	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1774	24	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1776	26	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1778	28	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1780	30	6	1-5/16	19/32	7/8 - 9 UNC	25 400
K1780-42	42	6	1-5/16	19/32	7/8 - 9 UNC	25 400

Custom diameters (up to 2-1/2"), bolt lengths, thread lengths, and assemblies available upon request.

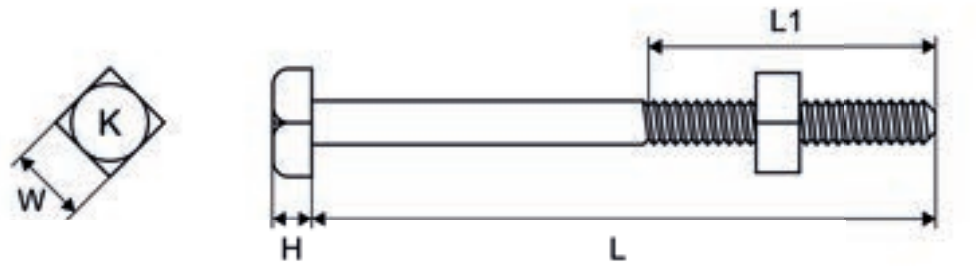
To request Armorgalv® finish add "TDG" to the end of part number

SHMB 1

SQUARE HEAD MACHINE BOLTS 1

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Each bolt is assembled with one square nut.
Bolts are roll threaded to a course class 2 fit and are formed with a chamfered tip for ease of use.
The head is stamped with the letter K.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standards.
Sicame's square head machine bolts are used by the construction, maintenance, and service devisions of most utility in the country, They are also known as through bolts or cable suspension bolts.



Ref.	L (in)	L1 (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
						Rating
K2160	10	4	1-1/2	21/32	1 - 8 UNC	33 500
K2162	12	6	1-1/2	21/32	1 - 8 UNC	33 500
K2164	14	6	1-1/2	21/32	1 - 8 UNC	33 500
K2166	16	6	1-1/2	21/32	1 - 8 UNC	33 500
K2168	18	6	1-1/2	21/32	1 - 8 UNC	33 500
K2170	20	6	1-1/2	21/32	1 - 8 UNC	33 500
K2172	22	6	1-1/2	21/32	1 - 8 UNC	33 500
K217	24	6	1-1/2	21/32	1 - 8 UNC	33 500
K2174	26	6	1-1/2	21/32	1 - 8 UNC	33 500

Custom diameters (up to 2-1/2"), bolt lengths, thread lengths, and assemblies available upon request.

To request Armorgalv® finish add "TDG" to the end of part number

Miscellaneous bolts & screws

HHMB 3/8

HEX HEAD MACHINE BOLTS 3/8

sicame GROUP

Standards:
ANSI C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet ANSI C135.80 standard.
Hex nuts and washers should be ordered separately.

Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K1000-3/4H	3/4	9/16	1/4	3/8 -16 UNC	4 250
K1001H	1	9/16	1/4	3/8 -16 UNC	4 250
K1001-1/4H	1-1/4	9/16	1/4	3/8 -16 UNC	4 250
K1001-3/4H	1-3/4	9/16	1/4	3/8 -16 UNC	4 250
K1002H	2	9/16	1/4	3/8 -16 UNC	4 250
K1002-1/2H	2-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1003H	3	9/16	1/4	3/8 -16 UNC	4 250
K1003-1/2H	3-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1004H	4	9/16	1/4	3/8 -16 UNC	4 250
K1004-1/2H	4-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1005H	5	9/16	1/4	3/8 -16 UNC	4 250
K1005-1/2H	5-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1006H	6	9/16	1/4	3/8 -16 UNC	4 250
K1006-1/2H	6-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1007H	7	9/16	1/4	3/8 -16 UNC	4 250
K1007-1/2H	7-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1008H	8	9/16	1/4	3/8 -16 UNC	4 250
K1008-1/2H	8-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1009H	9	9/16	1/4	3/8 -16 UNC	4 250
K1009-1/2H	9-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1010H	10	9/16	1/4	3/8 -16 UNC	4 250
K1010-1/2H	10-1/2	9/16	1/4	3/8 -16 UNC	4 250
K1011H	11	9/16	1/4	3/8 -16 UNC	4 250
K1012H	12	9/16	1/4	3/8 -16 UNC	4 250
K1012H-13H	13	9/16	1/4	3/8 -16 UNC	4 250
K1012H-14H	14	9/16	1/4	3/8 -16 UNC	4 250
K1012H-15H	15	9/16	1/4	3/8 -16 UNC	4 250
K1012H-16H	16	9/16	1/4	3/8 -16 UNC	4 250
K1012H-17H	17	9/16	1/4	3/8 -16 UNC	4 250
K1012H-18H	18	9/16	1/4	3/8 -16 UNC	4 250

Custom Options

Diameters of 1-1/8, 1-1/4, 1-1/2 also available.

Custom thread lengths, and assemblies available upon request.

Grade 5, silicon bronze, and stainless steel available upon request.

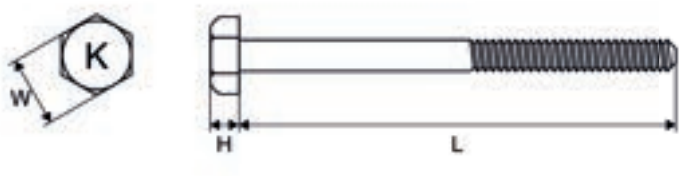
To request Armorgalv® finish add "TDG" to the end of part number.

HHMB 5/16

HEX HEAD MACHINE BOLTS 5/16

Standards:
ANSI C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet ANSI C135.80 standard.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K1014-3/4H	3/4	1/2	7/32	5/16 – 18 UNC	3 100
K1012-1/4H	1-1/4	1/2	7/32	5/16 – 18 UNC	3 100
K1013H	1-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1014H	2	1/2	7/32	5/16 – 18 UNC	3 100
K1014H-1/4H	2-1/4	1/2	7/32	5/16 – 18 UNC	3 100
K1014H-1/2H	2-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1015H	3	1/2	7/32	5/16 – 18 UNC	3 100
K1015-1/2H	3-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1016H	4	1/2	7/32	5/16 – 18 UNC	3 100
K1016-1/2H	4-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1017H	5	1/2	7/32	5/16 – 18 UNC	3 100
K1017-1/2H	5-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1018H	6	1/2	7/32	5/16 – 18 UNC	3 100
K1018-1/2H	6-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1019H	8	1/2	7/32	5/16 – 18 UNC	3 100
K1019-1/2H	8-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1020H	9	1/2	7/32	5/16 – 18 UNC	3 100
K1020-10H	10	1/2	7/32	5/16 – 18 UNC	3 100
K1020-10-1/2H	10-1/2	1/2	7/32	5/16 – 18 UNC	3 100
K1020-11H	11	1/2	7/32	5/16 – 18 UNC	3 100
K1020-12H	12	1/2	7/32	5/16 – 18 UNC	3 100

Custom Options

Diameters of 1-1/8, 1-1/4, 1-1/2 also available.

Custom thread lengths, and assemblies available upon request.

Grade 5, silicon bronze, and stainless steel available upon request.

To request Armorgalv® finish add "TDG" to the end of part number.

Miscellaneous bolts & screws

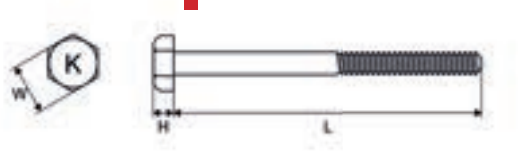
HHMB 1/2

HEX HEAD MACHINE BOLTS 1/2

sicame GROUP

Standards:
ANSI C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
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All bolts meet ANSI C135.80 standard.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K1100H	3/4	3/4	11/32	1/2 - 13 UNC	7 800
K1101H	1	3/4	11/32	1/2 - 13 UNC	7 800
K1101-1/4H	1-1/4	3/4	11/32	1/2 - 13 UNC	7 800
K1101-1/2H	1-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1101-3/4H	1-3/4	3/4	11/32	1/2 - 13 UNC	7 800
K1102H	2	3/4	11/32	1/2 - 13 UNC	7 800
K1102-1/4H	2-1/4	3/4	11/32	1/2 - 13 UNC	7 800
K1102-1/2H	2-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1102-3/4H	2-3/4	3/4	11/32	1/2 - 13 UNC	7 800
K1103H	3	3/4	11/32	1/2 - 13 UNC	7 800
K1103-1/4H	3-1/4	3/4	11/32	1/2 - 13 UNC	7 800
K1103-1/2H	3-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1103-3/4H	3-3/4	3/4	11/32	1/2 - 13 UNC	7 800
K1104H	4	3/4	11/32	1/2 - 13 UNC	7 800
K1104-1/2H	4-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1105H	5	3/4	11/32	1/2 - 13 UNC	7 800
K1105-1/2H	5-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1106H	6	3/4	11/32	1/2 - 13 UNC	7 800
K1106-1/2H	6-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1107H	7	3/4	11/32	1/2 - 13 UNC	7 800
K1107-1/2H	7-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1108H	8	3/4	11/32	1/2 - 13 UNC	7 800
K1108-1/2H	8-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1109H	9	3/4	11/32	1/2 - 13 UNC	7 800
K1109-1/2H	9-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1110H	10	3/4	11/32	1/2 - 13 UNC	7 800
K1110-1/2H	10-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1111H	11	3/4	11/32	1/2 - 13 UNC	7 800
K1111-1/2H	11-1/2	3/4	11/32	1/2 - 13 UNC	7 800
K1112H	12	3/4	11/32	1/2 - 13 UNC	7 800
K1113H	13	3/4	11/32	1/2 - 13 UNC	7 800
K1114H	14	3/4	11/32	1/2 - 13 UNC	7 800
K1115H	15	3/4	11/32	1/2 - 13 UNC	7 800
K1118H	18	3/4	11/32	1/2 - 13 UNC	7 800

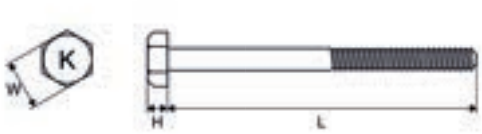
Custom Options;Diameters of 1-1/8, 1-1/4, 1-1/2 also available. Custom thread lengths, and assemblies available upon request. Grade 5, silicon bronze, and stainless steel available upon request. To request Armorgalv® finish add "TDG" to the end of part number

HHMB 5/8

HEX HEAD MACHINE BOLTS 5/8

Standards:
ANSI C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet ANSI C135.80 standard.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K1201H	1	15/16	27/64	5/8 - 11 UNC	12 400
K1201-1/4H	1-1/4	15/16	27/64	5/8 - 11 UNC	12 400
K1201-1/2H	1-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1201-3/4H	1-3/4	15/16	27/64	5/8 - 11 UNC	12 400
K1202H	2	15/16	27/64	5/8 - 11 UNC	12 400
K1202-1/4H	2-1/4	15/16	27/64	5/8 - 11 UNC	12 400
K1202-1/2H	2-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1203H	3	15/16	27/64	5/8 - 11 UNC	12 400
K1203-1/4H	3-1/4	15/16	27/64	5/8 - 11 UNC	12 400
K1203-1/2H	3-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1204H	4	15/16	27/64	5/8 - 11 UNC	12 400
K1204-1/2H	4-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1205H	5	15/16	27/64	5/8 - 11 UNC	12 400
K1205-1/2H	5-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1206H	6	15/16	27/64	5/8 - 11 UNC	12 400
K1206-1/2H	6-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1207H	7	15/16	27/64	5/8 - 11 UNC	12 400
K1207-1/2H	7-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1208H	8	15/16	27/64	5/8 - 11 UNC	12 400
K1208-1/2H	8-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1209H	9	15/16	27/64	5/8 - 11 UNC	12 400
K1209-1/2H	9-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1210H	10	15/16	27/64	5/8 - 11 UNC	12 400
K1210-1/2H	10-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1211H	11	15/16	27/64	5/8 - 11 UNC	12 400
K1211-1/2H	11-1/2	15/16	27/64	5/8 - 11 UNC	12 400
K1212H	12	15/16	27/64	5/8 - 11 UNC	12 400
K1213H	13	15/16	27/64	5/8 - 11 UNC	12 400
K1214H	14	15/16	27/64	5/8 - 11 UNC	12 400
K1215H	15	15/16	27/64	5/8 - 11 UNC	12 400
K1216H	16	15/16	27/64	5/8 - 11 UNC	12 400
K1217H	17	15/16	27/64	5/8 - 11 UNC	12 400
K1218H	18	15/16	27/64	5/8 - 11 UNC	12 400
K1220H	20	15/16	27/64	5/8 - 11 UNC	12 400

Custom Options:Diameters of 1-1/8, 1-1/4, 1-1/2 also available. Custom thread lengths, and assemblies available upon request. Grade 5, silicon bronze, and stainless steel available upon request. To request Armorgalv® finish add "TDG" to the end of part number

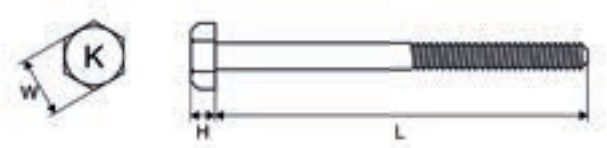
Miscellaneous bolts & screws

HHMB 3/4

HEX HEAD MACHINE BOLTS 3/4

Standards:
ANSI C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
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All bolts meet ANSI C135.80 standard.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K1300H	1	1-1/8	1/2	3/4 - 9 UNC	18 350
K1301-1/4H	1-1/4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1301-1/2H	1-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1301-3/4H	1-3/4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1302H	2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1302-1/2H	2-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1302-3/4H	2-3/4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1303-1/4H	3-1/4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1302-1/2H	3-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1304H	4	1-1/8	1/2	3/4 - 9 UNC	18 350
K1304-1/2H	4-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1305H	5	1-1/8	1/2	3/4 - 9 UNC	18 350
K1305-1/2H	5-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1306H	6	1-1/8	1/2	3/4 - 9 UNC	18 350
K1306-1/2H	6-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1307H	7	1-1/8	1/2	3/4 - 9 UNC	18 350
K1307-1/2H	7-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1308H	8	1-1/8	1/2	3/4 - 9 UNC	18 350
K1308-1/2H	8-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1309H	9	1-1/8	1/2	3/4 - 9 UNC	18 350
K1309-1/2H	9-1/2	1-1/8	1/2	3/4 - 9 UNC	18 350
K1310H	10	1-1/8	1/2	3/4 - 9 UNC	18 350
K1311H	11	1-1/8	1/2	3/4 - 9 UNC	18 350
K1312H	12	1-1/8	1/2	3/4 - 9 UNC	18 350
K1313H	13	1-1/8	1/2	3/4 - 9 UNC	18 350
K1314H	14	1-1/8	1/2	3/4 - 9 UNC	18 350
K1315H	15	1-1/8	1/2	3/4 - 9 UNC	18 350
K1316H	16	1-1/8	1/2	3/4 - 9 UNC	18 350
K1317H	17	1-1/8	1/2	3/4 - 9 UNC	18 350

K1318H	18	1-1/8	1/2	3/4 - 9 UNC	18 350
K1320H	20	1-1/8	1/2	3/4 - 9 UNC	18 350
K1322H	22	1-1/8	1/2	3/4 - 9 UNC	18 350
K1324H	24	1-1/8	1/2	3/4 - 9 UNC	18 350
K1326H	26	1-1/8	1/2	3/4 - 9 UNC	18 350
K1328H	28	1-1/8	1/2	3/4 - 9 UNC	18 350
K1332H	32	1-1/8	1/2	3/4 - 9 UNC	18 350

Custom Options:Diameters of 1-1/8, 1-1/4, 1-1/2 also available. Custom thread lengths, and assemblies available upon request. Grade 5, silicon bronze, and stainless steel available upon request. To request Armorgalv® finish add "TDG" to the end of part number

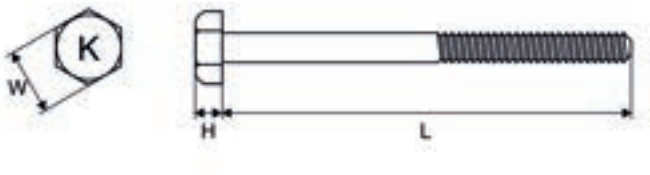
HHMB 7/8

HEX HEAD MACHINE BOLTS 7/8

sicame GROUP

Standards:
ANSI C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet ANSI C135.80 standard.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K1702-1/2H	2-1/2	1-5/16	37/64	7/8 - 9 UNC	25 400
K1704-1/2H	4-1/2	1-5/16	37/64	7/8 - 9 UNC	25 400
K1705H	5	1-5/16	37/64	7/8 - 9 UNC	25 400
K1706-1/2H	6-1/2	1-5/16	37/64	7/8 - 9 UNC	25 400
K1707H	7	1-5/16	37/64	7/8 - 9 UNC	25 400
K1707-1/2H	7-1/2	1-5/16	37/64	7/8 - 9 UNC	25 400
K1708-1/2H	8-1/2	1-5/16	37/64	7/8 - 9 UNC	25 400
K1709H	9	1-5/16	37/64	7/8 - 9 UNC	25 400
K1709-1/2H	9-1/2	1-5/16	37/64	7/8 - 9 UNC	25 400
K1710H	10	1-5/16	37/64	7/8 - 9 UNC	25 400
K1711H	11	1-5/16	37/64	7/8 - 9 UNC	25 400
K1712H	12	1-5/16	37/64	7/8 - 9 UNC	25 400
K1714H	14	1-5/16	37/64	7/8 - 9 UNC	25 400
K1716H	16	1-5/16	37/64	7/8 - 9 UNC	25 400
K1718H	18	1-5/16	37/64	7/8 - 9 UNC	25 400

Custom Options:Diameters of 1-1/8, 1-1/4, 1-1/2 also available. Custom thread lengths, and assemblies available upon request. Grade 5, silicon bronze, and stainless steel available upon request. To request Armorgalv® finish add "TDG" to the end of part number

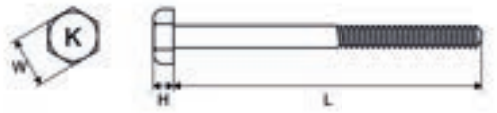
Miscellaneous bolts & screws

HHMB 1

HEX HEAD MACHINE BOLTS 1

Standards:
ANSI C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet ANSI C135.80 standard.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K2102H	2	1-1/2	43/64	1 - 8 UNC	33 500
K2103H	3	1-1/2	43/64	1 - 8 UNC	33 500
K2103-1/2H	3-1/2	1-1/2	43/64	1 - 8 UNC	33 500
K2104H	4	1-1/2	43/64	1 - 8 UNC	33 500
K2105H	5	1-1/2	43/64	1 - 8 UNC	33 500
K2157H	7	1-1/2	43/64	1 - 8 UNC	33 500
K2158H	8	1-1/2	43/64	1 - 8 UNC	33 500
K2159H	9	1-1/2	43/64	1 - 8 UNC	33 500
K2160H	10	1-1/2	43/64	1 - 8 UNC	33 500
K2162H	12	1-1/2	43/64	1 - 8 UNC	33 500
K2164H	14	1-1/2	43/64	1 - 8 UNC	33 500
K2166H	16	1-1/2	43/64	1 - 8 UNC	33 500
K2168H	18	1-1/2	43/64	1 - 8 UNC	33 500
K2170H	20	1-1/2	43/64	1 - 8 UNC	33 500
K2172H	22	1-1/2	43/64	1 - 8 UNC	33 500
K2174H	24	1-1/2	43/64	1 - 8 UNC	33 500
K2176H	26	1-1/2	43/64	1 - 8 UNC	33 500
K2178H	28	1-1/2	43/64	1 - 8 UNC	33 500
K2180H	30	1-1/2	43/64	1 - 8 UNC	33 500
K2182H	32	1-1/2	43/64	1 - 8 UNC	33 500
K2184H	34	1-1/2	43/64	1 - 8 UNC	33 500
K2186H	36	1-1/2	43/64	1 - 8 UNC	33 500
K2188-54H	54	1-1/2	43/64	1 - 8 UNC	33 500
K2188-56H	56	1-1/2	43/64	1 - 8 UNC	33 500
K2188H	38	1-1/2	43/64	1 - 8 UNC	33 500
K2190H	40	1-1/2	43/64	1 - 8 UNC	33 500
K2192H	42	1-1/2	43/64	1 - 8 UNC	33 500
K2194H	44	1-1/2	43/64	1 - 8 UNC	33 500
K2188-50H	50	1-1/2	43/64	1 - 8 UNC	33 500
K2188-52H	52	1-1/2	43/64	1 - 8 UNC	33 500

Custom Options

Diameters of 1-1/8, 1-1/4, 1-1/2 also available.

Custom thread lengths, and assemblies available upon request.

Grade 5, silicon bronze, and stainless steel available upon request

To request Armorgalv® finish add "TDG" to the end of part numbe

TB

TOWER BOLTS

Standards:
ASTM A394
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Type “O” tower bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
The head is stamped with the letter K.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet ASTM A394 standard.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Ø (in)	Thread	Mechanical Strain (lbs)
						Rating
K1101-1/4HA394	1-1/4	3/4	11/32	1/2	1/2 - 13 UNC	10 500
K1101-1/2HA394	1-1/2	3/4	11/32	1/2	1/2 - 13 UNC	10 500
K1101-3/4HA394	1-3/4	3/4	11/32	1/2	1/2 - 13 UNC	10 500
K1102HA394	2	3/4	11/32	1/2	1/2 - 13 UNC	10 500
K1102-1/2HA394	2-1/2	3/4	11/32	1/2	1/2 - 13 UNC	10 500
K1201-1/4HA394	1-1/4	15/16	27/64	5/8	5/8 - 11 UNC	16 700
K1201-1/2HA394	1-1/2	15/16	27/64	5/8	5/8 - 11 UNC	16 700
K1201-3/4HA394	1-3/4	15/16	27/64	5/8	5/8 - 11 UNC	16 700
K1202HA394	2	15/16	27/64	5/8	5/8 - 11 UNC	16 700
K1202-1/2HA394	2-1/2	15/16	27/64	5/8	5/8 - 11 UNC	16 700
K1301-1/4HA394	1-1/4	1-1/8	1/2	3/4	3/4 - 9 UNC	24 700
K1301-1/2HA394	1-1/2	1-1/8	1/2	3/4	3/4 - 9 UNC	24 700
K1301-3/4HA394	1-3/4	1-1/8	1/2	3/4	3/4 - 9 UNC	24 700
K1302HA394	2	1-1/8	1/2	3/4	3/4 - 9 UNC	24 700
K1302-1/2HA394	2-1/2	1-1/8	1/2	3/4	3/4 - 9 UNC	24 700

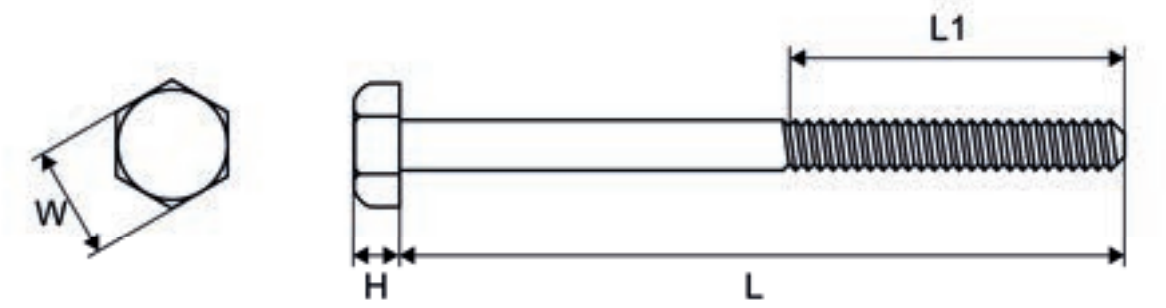
Miscellaneous bolts & screws

HSB

HIGH STRENGTH BOLTS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

High strength grade 5 and grade 8 bolts are course threaded to a class 2 fit and are formed with a chamfered tip for ease of use.
Heads are marked with the grade per ASTM standard.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Hex nuts and washers should be ordered separately.



Ref.	L (in)	W (in)	H (in)	Thread	Mechanical Strain (lbs)
					Rating
K1001-1/4HGR8	1-1/4	9/16	1/4	3/8 -16 UNC	-
K1001-1/2HGR8	1-1/2	9/16	1/4	3/8 -16 UNC	-
K1001-3/4HGR8	1-3/4	9/16	1/4	3/8 -16 UNC	-
K1002HGR8	2	9/16	1/4	3/8 -16 UNC	-
K1001GR5	1	9/16	1/4	3/8 -16 UNC	-
K1002HGR5	2	9/16	1/4	3/8 -16 UNC	-
K1002-1/2HGR5	2-1/2	9/16	1/4	3/8 -16 UNC	-
K1100-3/4GR5	3/4	3/4	11/32	1/2 - 13 UNC	17 050
K1101GR5	1	3/4	11/32	1/2 - 13 UNC	17 050

Please inquire for other sizes.

To request Armorgalv® finish add "TDG" to the end of part number

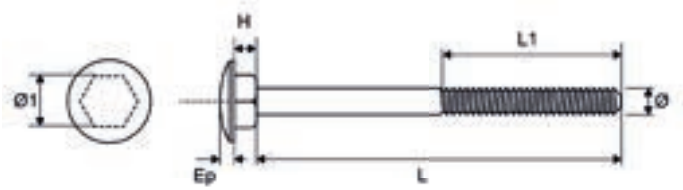
CB

CARRIAGE BOLTS

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Standards:
IEEE C135,80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Bolts are roll threaded extra long to a course class 2 fit.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standard.



Ref.	L (in)	Thread	H (in)	Ø (in)	Ø1 (in)	EP (in)	Configuration
K1043	3	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1043-1/2	3-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1044	4	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1044-1/2	4-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1045	5	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1045-1/2	5-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1046	6	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1046-7	7	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1047	8	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1048	9	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1049	10	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1050	12	3/8 - 16 UNC	3/16	3/8	9/16	3/16	with nut included
K1003CG	3	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1003-1/2CG	3-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1004CG	4	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1004-1/2CG	4-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1005CG	5	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1005-1/2CG	5-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1006CG	6	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1006-1/2CG	6-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1007CG	7	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1007-1/2CG	7-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1008CG	8	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1008-1/2CG	8-1/2	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1009CG	9	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1010CG	10	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1011CG	11	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut
K1012CG	12	3/8 - 16 UNC	3/16	3/8	9/16	3/16	no nut

Custom Options:Other lengths available. Custom thread lengths, and assemblies available upon request. To request Armorgalv® finish add "TDG" to the end of part number

Miscellaneous bolts & screws

DAB 1/2

DOUBLE ARMING BOLTS 1/2

Standards:
IEEE C135,80
ASTM A153
ASTM 1059 & AG300
ArmorGalv®

Double arming bolts are assembled with four square nuts.
Bolts are roll threaded their entire length class 2 fit and are formed with chamfered tips for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standard.



Ref.	L (in)	Ø (in)	Mechanical Strain (lbs)
			Rating
K1346	16	1/2	7 800
K1347	18	1/2	7 800
K1348	20	1/2	7 800
K1349	22	1/2	7 800
K1350	24	1/2	7 800
K1350-26	26	1/2	7 800

Custom lengths, and assemblies available upon request.

To request Armorgalv® finish add "TDG" to the end of part number

DAB 5/8

DOUBLE ARMING BOLTS 5/8

Standards:
IEEE C135,80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Double arming bolts are assembled with four square nuts.
Bolts are roll threaded their entire length class 2 fit and are formed with chamfered tips for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standard.



Ref.	L (in)	Ø (in)	Mechanical Strain (lbs)
			Rating
K1358	8	5/8	12 400
K1359	9	5/8	12 400
K1360	10	5/8	12 400
K1362	12	5/8	12 400
K1364	14	5/8	12 400
K1366	16	5/8	12 400
K1368	18	5/8	12 400
K1370	20	5/8	12 400
K1372	22	5/8	12 400
K1374	24	5/8	12 400
K1376	26	5/8	12 400
K1378	28	5/8	12 400
K1380	30	5/8	12 400
K1380-32	32	5/8	12 400
K1380-34	34	5/8	12 400
K1380-36	36	5/8	12 400
K1380-38	38	5/8	12 400
K1380-40	40	5/8	12 400
K1380-42	42	5/8	12 400
K1380-44	44	5/8	12 400
K1380-46	46	5/8	12 400
K1380-48	48	5/8	12 400
K1380-50	50	5/8	12 400
K1380-52	52	5/8	12 400
K1380-54	54	5/8	12 400

Custom lengths, and assemblies available upon request.

To request Armorgalv® finish add "TDG" to the end of part number

Miscellaneous bolts & screws

DAB 3/4

DOUBLE ARMING BOLTS 3/4

Standards:
IEEE C135,80
ASTM A153
ASTM 1059 & AG300
ArmorGalv®

Double arming bolts are assembled with four square nuts.
Bolts are roll threaded their entire length class 2 fit and are formed with chamfered tips for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standard.



Ref.	L (in)	Ø (in)	Mechanical Strain (lbs)
			Rating
K1382-08	8	3/4	18 350
K1381	10	3/4	18 350
K1382	12	3/4	18 350
K1384	14	3/4	18 350
K1386	16	3/4	18 350
K1388	18	3/4	18 350
K1390	20	3/4	18 350
K1392	22	3/4	18 350
K1394	24	3/4	18 350
K1396	26	3/4	18 350
K1398	28	3/4	18 350
K1400-30	30	3/4	18 350
K1400-32	32	3/4	18 350
K1400-34	34	3/4	18 350
K1400-36	36	3/4	18 350
K1400-38	38	3/4	18 350
K1400-40	40	3/4	18 350
K1400-42	42	3/4	18 350
K1400-44	44	3/4	18 350
K1400-46	46	3/4	18 350
K1400-48	48	3/4	18 350
K1400-50	50	3/4	18 350
K1400-52	52	3/4	18 350
K1400-54	54	3/4	18 350
K1400-60	60	3/4	18 350

Custom lengths, and assemblies available upon request.To request Armorgalv® finish add "TDG" to the end of part number

DAB 7/8

DOUBLE ARMING BOLTS 7/8

Standards:
IEEE C135,80
ASTM A153
ASTM 1059 & AG3000

Double arming bolts are assembled with four square nuts.
Bolts are roll threaded their entire length class 2 fit and are formed with chamfered tips for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standard.



Ref.	L (in)	Ø (in)	Mechanical Strain (lbs)
			Rating
K1880	20	7/8	25 400
K1882	22	7/8	25 400
K1884	24	7/8	25 400
K1886	26	7/8	25 400
K1888	28	7/8	25 400
K1890	30	7/8	25 400
K1890-32	32	7/8	25 400
K1890-34	34	7/8	25 400
K1890-36	36	7/8	25 400
K1890-38	38	7/8	25 400
K1890-40	40	7/8	25 400
K1890-42	42	7/8	25 400
K1890-44	44	7/8	25 400
K1890-46	46	7/8	25 400
K1890-48	48	7/8	25 400
K1890-50	50	7/8	25 400
K1890-52	52	7/8	25 400
K1890-54	54	7/8	25 400

Custom lengths, and assemblies available upon request. To request Armorgalv® finish add "TDG" to the end of part number

Miscellaneous bolts & screws

DAB 1

DOUBLE ARMING BOLTS 1"

Standards:
IEEE C135,80
ASTM A153
ASTM 1059 & AG3000

Double arming bolts are assembled with four square nuts.
Bolts are roll threaded their entire length class 2 fit and are formed with chamfered tips for ease of use.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.80 standard.



Ref.	L (in)	Ø (in)	Mechanical Strain (lbs)
			Rating
K1409-18	18	1	33 500
K1409-20	20	1	33 500
K1409-22	22	1	33 500
K1409-24	24	1	33 500
K1409-26	26	1	33 500
K2409-28	28	1	33 500
K2409-30	30	1	33 500
K2409-32	32	1	33 500
K2409-34	34	1	33 500
K2409-36	36	1	33 500
K2409-38	38	1	33 500
K2409-40	40	1	33 500
K2409-42	42	1	33 500
K2409-44	44	1	33 500
K2409-46	46	1	33 500
K2409-48	48	1	33 500
K2409-50	50	1	33 500
K2409-52	52	1	33 500
K2409-54	54	1	33 500
K2409-56	56	1	33 500

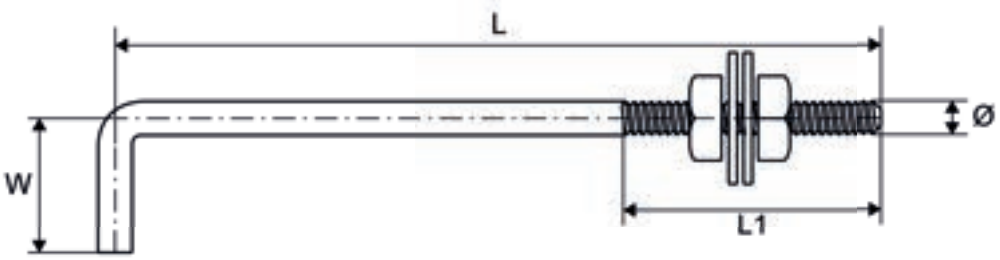
Custom lengths, and assemblies available upon request.To request Armorgalv® finish add "TDG" to the end of part number

AB

ANCHOR BOLTS

Standards:
ASTM A153
ASTM 1059 & AG3000
IEEE C135,1
ArmorGalv®

Anchor bolts are equipped with two hex nuts and two round washers.
Bolts are threaded to a class 2 fit.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All bolts meet IEEE C135.1 standard.
Anchor bolts are set up in cement for construction use.



Ref.	L (in)	L1 (in)	W (in)	Ø (in)	Use
K8388-5810	10	4	1	5/8	Standard
K8388-5818	18	6	4	5/8	Standard
K8389	17	6	3	3/4	Standard
K8389-18-4	18	6	4	3/4	Standard
K8389-24	24	6	3	3/4	Standard
K8390	36	6	4	1	Standard
K8390A	36	6	4	1	Standard Hex
K8390B	36	6	4	1	Heavy Hex
K8391	44	6	4	1-1/8	Standard
K8392	54	7	6	1-1/2	Standard
K8393	60	8	6	1-3/4	Standard
K8394	66	8	6	2	Standard

Other sizes available.

Custom lengths, and assemblies available upon request.

To request Armorgalv® finish add "TDG" to the end of part number

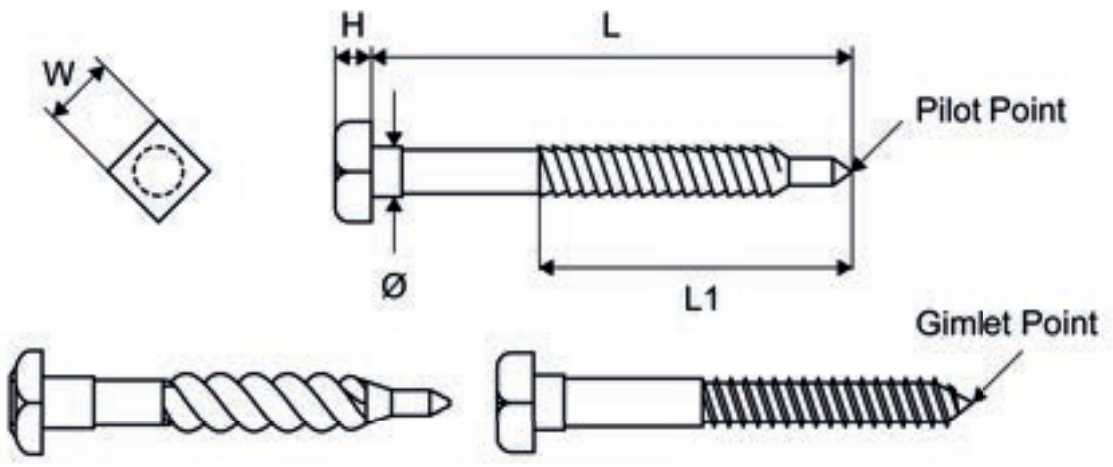
Miscellaneous bolts & screws

LS

LAG SCREWS

Standards:
IEEE C135,80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Lag screws are available with a fetter thread, spaced thread, or twist drive. They also come with either a pilot point (PP) or a gimlet point (GP).
The head is stamped with the letter K.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
All screws meet IEEE C135.8 standard.



Ref.	L (in)	Configuration	W (in)	H (in)	Ø (in)	Min shoulder length
K1166	2	Fetter. PP	3/8	11/64	1/4	15/16
K1168	3	Fetter. PP	3/8	11/65	1/4	15/16
K1157	2-1/2	Fetter, GP - Washer hex head	3/8	11/65	1/4	15/16
K1033	3	Fetter. PP	9/16	1/4	3/8	1-1/8
K1034	4	Fetter. PP	9/16	1/4	3/8	1-1/8
K1021-1/2HL	1-1/2	Fetter. GP	3/4	21/64	1/2	1-5/16
K1682	4	Fetter. PP	3/4	21/64	1/2	1-5/16
K1682TD	4	Twist. PP	3/4	21/64	1/2	1-5/16
K1684	5	Fetter. PP	3/4	21/64	1/2	1-5/16
K1126	6	Fetter. PP	3/4	21/64	1/2	1-5/16
K1235	5	Fetter. GP	1-5/16	27/64	5/8	1-3/8

Other sizes available on stock from bolt diameter 5/16 to 3/4 and length from 1 to 20. Please inquire.

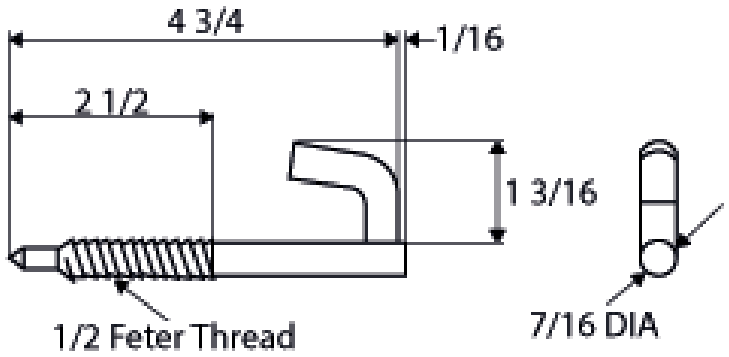
To request Armorgalv® finish add "TDG" to the end of part number

DH

DRIVE HOOK

Standards:
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Drive hooks can be used to support drop wire clamps, deadends, and service drops on poles and other structures.
Fetter thread allows the drive hook to be driven or wrenched.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



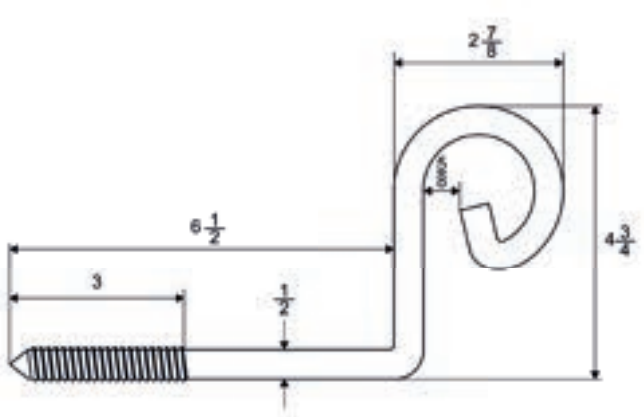
Ref.	Material
K6077	Hot dip galvanized finish
K6077TDG	Armorgalv® Thermal diffusion galvanized finish

TH

TREE HOOK

Standards:
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame tree hooks feature fetter threads to be driven into a pole or tree.



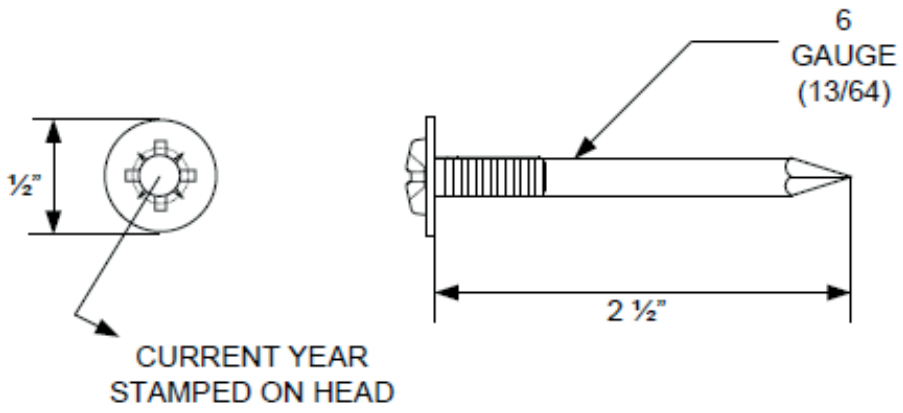
Ref.	Material
KTEL10190	Hot dip galvanized finish
KTEL10190TDG	Armorgalv® Thermal diffusion galvanized finish

Miscellaneous bolts & screws

DN

DATE NAILS

Date nails are used to provide a record date on wood structures.



Ref.	Use
K-200-YY	20YY

Please inquire for current year stamping.

ADJS

ADJUSTING SCREWS

Adjusting screws are used in overhead switches.



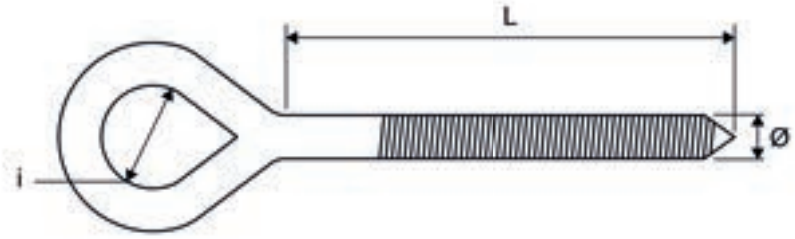
Ref.	L (in)	L1 (in)	i (in)	Ø (in)	Use	Material
K1159ADJB	5	5	13/32	3/4	3/4 - 10 UNC	Plain
K1159ADJ	5	5	13/32	3/4	3/4 - 10 UNC	Hot dip galvanized finish
K1159ADJTDG	5	5	13/32	3/4	3/4 - 10 UNC	Armorgalv® thermal diffusion galvanized finish

SEB

SCREW EYE BOLTS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Screw eye bolts and thimble eye bolts are equipped with lag threads and a gimlet point for easy installation in wood.
They are used to attach guys and messengers to trees and wood structures.
Eyes are solid drop forged.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	L (in)	i (in)	ø (in)	Weight (lbs)
K2775	3	7/8 x 1-1/4	3/8	0.22
K2776	6	1-1/8 x 1-1/2	1/2	0.66
K2777	6-3/4	1-1/2 x 2	5/8	1.04
K2778	6-3/4	1-1/2 x 2	3/4	1.36

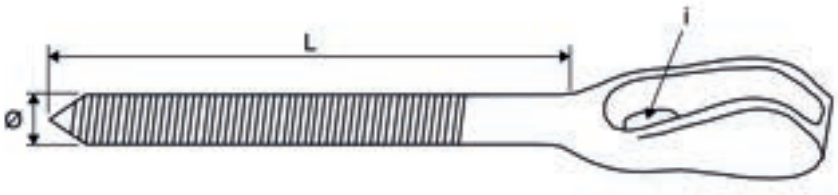
To request Armorgalv® finish add "TDG" to the end of part number

TEB

THIMBLE EYE BOLTS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Screw eye bolts and thimble eye bolts are equipped with lag threads and a gimlet point for easy installation in wood.
They are used to attach guys and messengers to trees and wood structures.
Eyes are solid drop forged.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	L (in)	i (in)	ø (in)	Weight (lbs)
K2780	6	1/2	1/2	0.66
K2781	6-3/4	5/8	5/8	1.14
K2782	6-3/4	3/4	3/4	1.48

To request Armorgalv® finish add "TDG" to the end of part number

Nuts

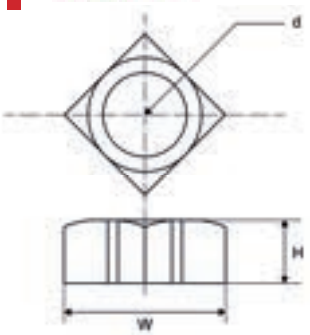
SN

SQUARE NUTS

sicame GROUP

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Nuts are cold punched, tops are chamfered, and bearing surfaces are at right angles to the axis of the threaded hole within a tolerance of 3 degrees for nuts tapped 1-inch and smaller and 2 degrees for nuts tapped larger than 1-inch.
Nuts are tapped oversize to accommodate 2-2.5 mils of galvanizing coating and have threads cut to UNC.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Nuts are compatible with Sicame A307 bolts.



Ref.	W (in)	H (in)	d (in)	Thread
K1051	7/16	7/32	1/4	20 TPI
K1053	5/8	21/64	3/8	16 TPI
K1054	13/16	7/16	1/2	13 TPI
K1055	1	35/64	5/8	11 TPI
K1056	1-1/8	21/32	3/4	10 TPI
K10157	1-5/16	49/64	7/8	9 TPI
K1058	1-1/2	7/8	1	8 TPI

To request Armorgalv® finish add "TDG" to the end of part number

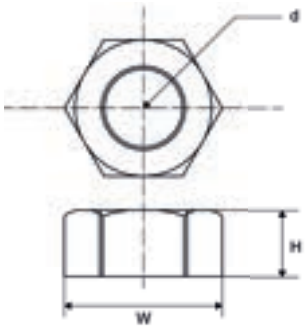
HN

HEX NUTS

sicame GROUP

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Nuts are cold punched, tops are chamfered, and bearing surfaces are at right angles to the axis of the threaded hole within a tolerance of 3 degrees for nuts tapped 1-inch and smaller and 2 degrees for nuts tapped larger than 1-inch.
Nuts are tapped oversize to accommodate 2-2.5 mils of galvanizing coating and have threads cut to UNC.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Nuts are compatible with Sicame A307 bolts.
Sicame is always willing to use different fastener assemblies to suit customer requests, please inquire, as it is important to specify the application on which the nut is to be used.



Ref.	W (in)	H (in)	d (in)	Thread
K1265	7/16	7/32	1/4	20 TPI
K1267	5/8	21/64	3/8	16 TPI
K1268	13/16	7/16	1/2	13 TPI
K1269	1	35/64	5/8	11 TPI
K1270	1-1/8	21/32	3/4	10 TPI
K1271	1-5/16	49/64	7/8	9 TPI
K1272	1-1/2	7/8	1	8 TPI
K1273	1-7/8	1-3/32	1-1/4	7 TPI

To request Armorgalv® finish add "TDG" to the end of part number

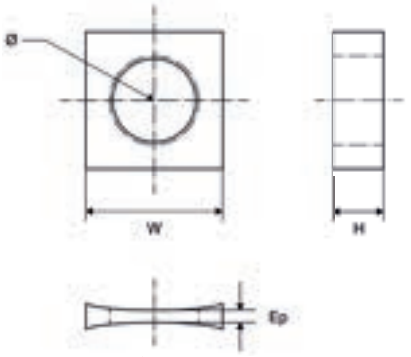
MFLN

M-F LOCK NUTS

sicame GROUP

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame M-F lock nuts are a free spinning lock nut that starts from either side and spins into place with the fingers.
One half to a full turn with a wrench locks it securely. When the arched surface contacts the top of the nut, wrenching flattens the arch, deflecting the nut threads from their true helix and causing them to bind on the bolt.
M-F nuts are vibration proof and available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	W (in)	H (in)	Ø (in)	EP (in)	Shipping weight/100
K1065	5/8	1/4	3/8	-	2
K1066	13/16	19/64	1/2	-	3
K1067	1	3/8	5/8	3/16	5
K1068	1-1/8	7/16	3/4	-	7
K1069	1-5/16	15/32	7/8	3/16	9
K1070	1-1/2	15/32	1	3/16	13

To request Armorgalv® finish add "TDG" to the end of part number

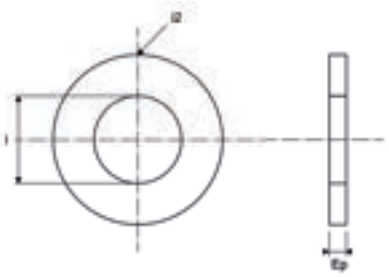
RW

ROUND WASHERS

sicame GROUP

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Round washers are installed under the heads, nuts, and eyes of bolts, rods, or other threaded products to provide a broader bearing surface and increase the compression grip of a tightened nut.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Ø = Bolt Diameter



Ref.	i (in)	i2 (in)	Ø (in)	EP (in)
K1521	5/16	3/4	1/4	1/16
K1521-1/2	5/16	3/4	5/16	1/16
K1522	7/16	2	3/8	5/64
K1523	1/2	1-1/4	3/8	5/64
K1524	9/16	1-3/8	1/2	7/64
K1525	11/16	1-3/4	5/8	9/64
K1526	13/16	2	3/4	5/32
K1527	15/16	2-1/4	4/8	11/64
K1528	1-1/16	2-1/2	1	11/64
K1528-1-3/4	1-1/16	2-1/2	1-3/4	11/64

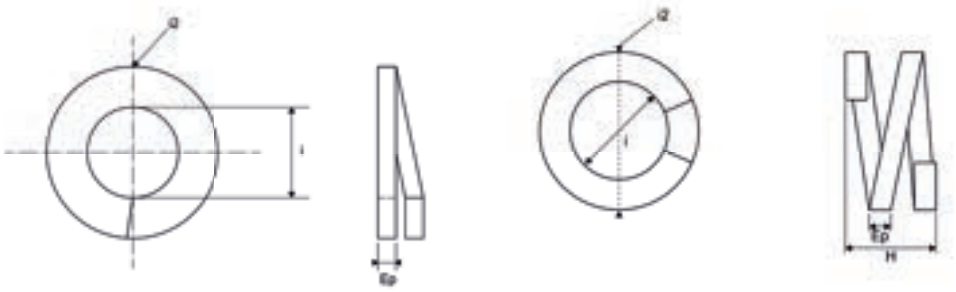
To request Armorgalv® finish add "TDG" to the end of part number

LKW

LOCK WASHERS

Standards:
ASTM A153
ASTM 1059 & AG3000
ASME B18.21.1
ArmorGalv®

Lock washers are designed to prevent a bolt or a screw from turning or spinning due to vibration.
Made from high grade spring steel.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Washers conform to ASME B18.21.1.
Ø = Bolt Diameter



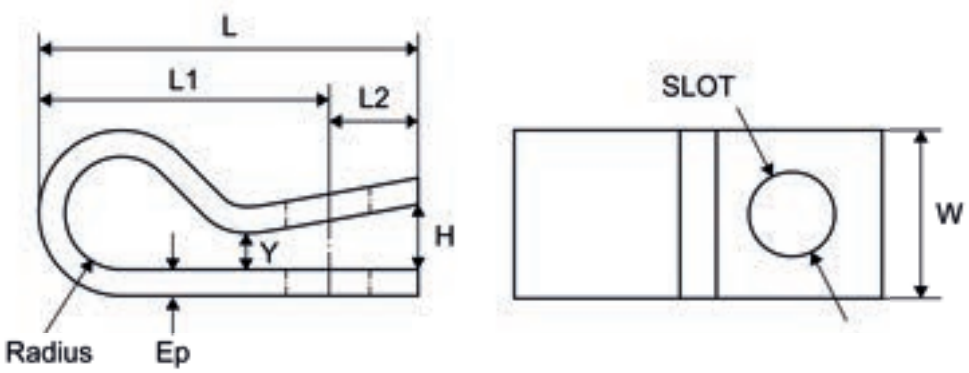
Ref.	H (in)	i (in)	i2 (in)	Ø (in)	EP (in)	Use
K1254DC	1/2	7/16	13/16	3/8	5/32	Double coil
K1255DC	1/2	9/16	1-1/32	1/2	5/32	Double coil
K1256DC	3/4	11/16	1-13/16	5/8	15/64	Double coil
K1257DC	3/4	13/16	1-7/16	3/4	1/4	Double coil
K1252	-	5/16	1/2	1/4	1/16	Simple coil
K1253	-	3/8	9/16	5/16	7/64	Simple coil
K1254	-	7/16	11/16	3/8	3/32	Simple coil
K1255	-	9/16	7/8	1/2	1/8	Simple coil
K1256	-	11/16	1-1/16	5/8	5/32	Simple coil
K1257	-	13/16	1-1/4	3/4	3/16	Simple coil
K1258	-	15/16	1-1/2	7/8	7/32	Simple coil
K1259	-	1-1/6	1-5/8	1	1/4	Simple coil

To request Armorgalv® finish add "TDG" to the end of part number

SPCW

SPRING CLIP WASHERS

Sicame's spring washer, also referred to as static washers, are installed under the nut of a bolt and next to the cross arm to keep units in tension when shrinkage in wood occurs. They can also be used for alignment checking.
Available with HDG or Armorgalv® TDG finish.
Ø = Bolt Diameter



Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	Ø (in)	Radius (in)	Y (in)	EP (in)	Slot
K2907	2-5/8	1-15/16	11/16	1	7/16	3/8	1/4	3/16	5/32	7/16 x 9/16
K2908	2-5/8	1-15/16	11/16	1	7/16	1/2	1/4	3/16	5/32	9/16 x 11/16
K2909	3-1/2	2-9/16	13/16	1-3/4	11/16	5/8	7/16	5/16	1/4	11/16 x 13/16
K2910	3-1/2	2-9/16	13/16	1-3/4	11/16	3/4	7/16	5/16	1/4	13/16 x 1
K2910-1/2	3-1/2	2-9/16	13/16	1-3/4	11/16	7/8	7/16	5/16	1/4	13/16 x 1
K2911	3-1/2	2-9/16	13/16	1-3/4	11/16	1	7/16	5/16	1/4	15/16 x 1-1/8

To request Armorgalv® finish add "TDG" to the end of part number

SW

SQUARE WASHERS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Square washers are installed under the heads, nuts, and eyes of bolts, rods, or other threaded products to provide a broader bearing surface and increase the compression grip of the tightened nut. They prevent the crushing of wood fibers and protect the drilled hole. Square washers also allow for alignment checking.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Ø = Bolt diameter



Ref.	W (in)	Ø (in)	EP (in)	D1 (in)
K1550	2	1/2	1/8	9/16
K1551	2	5/8	1/8	11/16
K1570	2-1/4	5/8	3/16	11/16
K1552	2	3/4	1/8	13/16
K1553	2-1/4	3/4	3/16	13/16
K1554	3	3/4	3/16	13/16
K1555	3	3/4	1/4	13/16
K1557	4	3/4	3/16	13/16
K1556	3-1/2	7/8	3/16	15/16
K1558	4	7/8	1/4	15/16
K1559	4	1	3/8	1-1/8
K1560	4	1	1/2	1-1/8
K1561	6	1	3/8	1-1/8
K1562	6	1-1/4	3/8	1-3/8

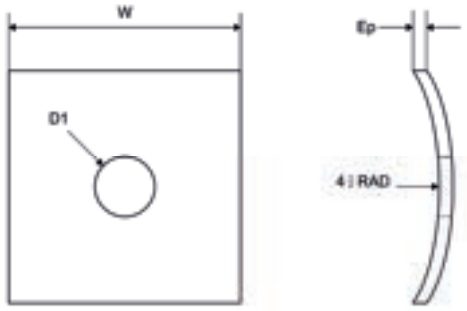
To request Armorgalv® finish add "TDG" to the end of part number

SCW

SQUARE CURVED WASHERS

Standards:
EEI-NEMA standard PH 10
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Square curved washers have the same function as the square flat washers except they are bent at a 4 ½ radius to fit the contour of the pole.
Square curved washers, at the proper thickness, can be used to replace heavy cast washers.
They comply with EEI-NEMA standard PH 10. Custom sizes available.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Ø = Bolt Diameter



Ref.	W (in)	Ø (in)	EP (in)	D1 (in)
K1590	2-1/4	5/8	3/16	11/16
K1591	2-1/2	5/8	3/16	11/16
K1582HC	3	5/8	1/4	11/16
K1597-5/8	4	5/8	1/4	11/16
K1592	3	3/4	1/4	13/16
K1594	3-1/4	3/4	1/4	13/16
K1597.4-3/4	4	3/4	1/4	13/16
K1597	4	7/8	1/4	15/16
K1593	3	1	1/4	1-1/8
K1596	3-1/2	1	3/8	1-1/8
K1597.4	4	1	1/4	1-1/8
K1597-1/2	4	1	3/8	1-1/8

To request Armorgalv® finish add "TDG" to the end of part number

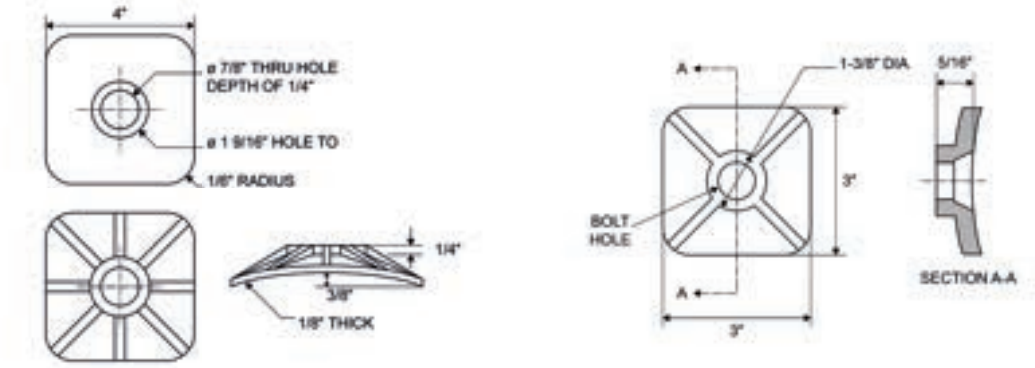
HSCW

sicame GROUP

HEAVY SQUARE CURVED WASHERS

Standards:
IEEE C135.80

Heavy square curved washers have reinforced ridges for additional strength in the critical areas. Reinforced bolt hole furthers the strength of a heavy washer.
Heavy cast washers can be replaced by standard square forged washers of the proper thickness.
Please inquire for forged substitute part numbers.
Ø = Bolt Diameter



Ref.	Ø (in)	W (in)
K1582HC	5/8	3
K1592HC	3/4	3
K1597HC	3/4	4

To request Armorgalv® finish add "TDG" to the end of part number

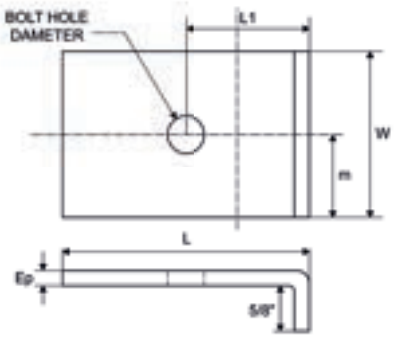
LPW

sicame GROUP

LIP WASHERS

Standards:
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame's threaded lip washers, also referred to as a flange washer, are used on cross arm pins to provide a permanent connection for the bonding wire.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Ø = Bolt Diameter



Ref.	L (in)	L1 (in)	W (in)	Ø (in)	EP (in)	m (in)
K1644	3	1-1/2	3	1/2	3/16	1-1/2
K1645	2-3/16	1-3/16	2	5/8	3/16	1
K1646	3	1-1/2	3	3/4	1/4	1-1/2

To request Armorgalv® finish add "TDG" to the end of part number

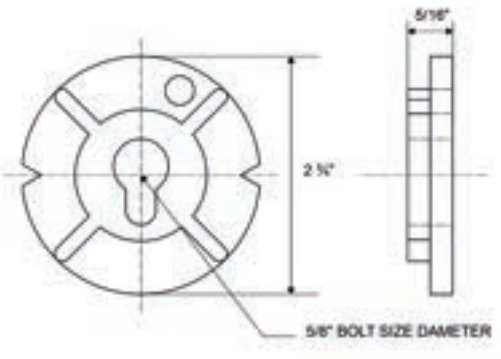
MIRW

MALLEABLE IRON ROUND WASHERS

sicame GROUP

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Malleable iron round washers are used with poles and other wood solutions,
most notably in the marine industry.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	Ø (in)
K1522MI	3/8
K1524MI	1/2
K1525MI	5/8
K1526MI	3/4
K1527MI	7/8
K1528MI	1
K1529MI	1-1/8
K1530MI	1-1/4

To request Armorgalv® finish add "TDG" to the end of part number

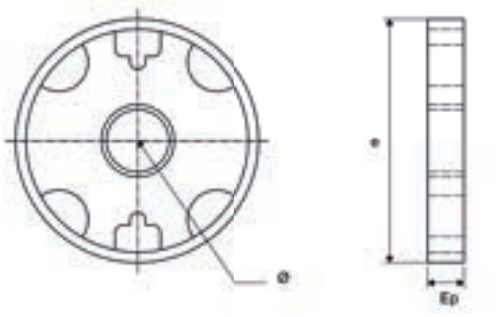
SP

SHEAR PLATES

sicame GROUP

Standards:
ASTM A153
A1059 & AG3000

Shear plates are used to create a firm seat in the pole or cross arm for wood-to-wood joint or wood to steel connections.
Shear plate provides reinforcement to the bolt by increasing the web capacity to resist shearing loads.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	Ø (in)	e (in)	EP (in)
K8295	3/4	4	5/8
K8296	3/4	2-5/8	5/8
K8298	7/8	4	5/8
K8299	1	4	5/8

To request Armorgalv® finish add "TDG" to the end of part number

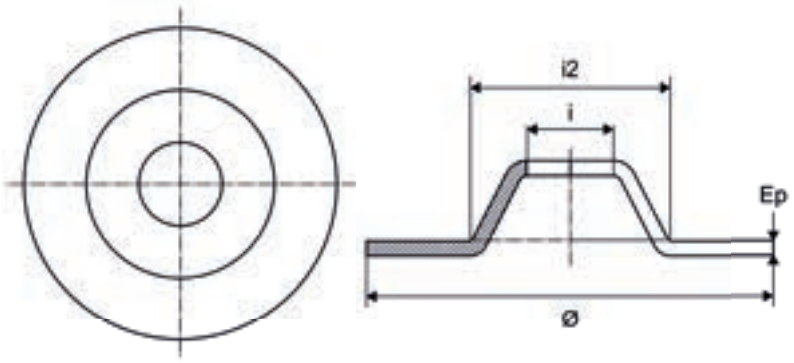
CW

CENTERING WASHERS

sicame GROUP

Standards:
ASTM A153
A1059 & AG3000

Sicame's centering washers, sometimes called pin hole adapters, are used to center the shanks of forged steel insulator pins in cross arms, prevent worn holes, and adapt ¾ wood hole to a 5/8 pin.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	i (in)	i2 (in)	Ø (in)	EP (in)
K1630	11/16	1-1/2	2-3/4	5/8
K1632	13/16	1-1/2	2-3/4	5/8

To request Armorgalv® finish add "TDG" to the end of part number

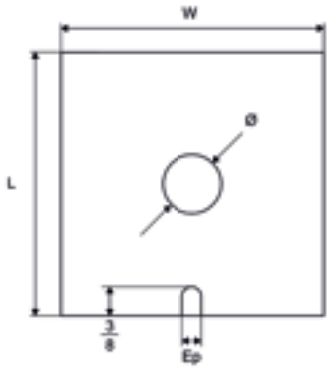
APW

ANGLE PIN WASHERS

sicame GROUP

Standards:
ASTM A153
A1059 & AG3000

Angle pin washers are notched for a nail to prevent turning. 1/4" thickness.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	L (in)	W (in)	Ø (in)	EP (in)
K1615	3-1/2	3-1/2	13/16	1/4

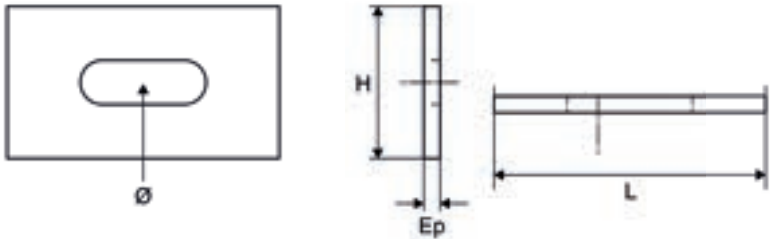
To request Armorgalv® finish add "TDG" to the end of part number

PMTHDW

PAD MOUNTED TRANSFORMER HOLD DOWN WASHER

Standards:
ASTM A153
A1059 & AG3000

Sicame pad mounted transformer hold down washers are used in padmount assemblies.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	L (in)	H (in)	Ø (in)	EP (in)
KXFMRWASHER	5	2	9/16 slot hole	3/16

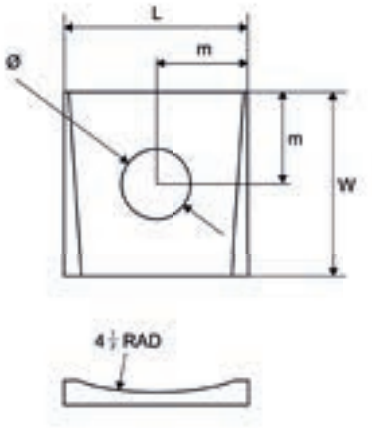
To request Armorgalv® finish add "TDG" to the end of part number

SHW

SHIM WASHERS

Standards:
A1059 & AG3000

Sicame's shim washer is used with a pole step to position the pole step at the correct angle on a fiberglass pole.
The 4-1/2 in radius is tapered so that the flat back is slightly angled and the pole step is tilted slightly up.
Available Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



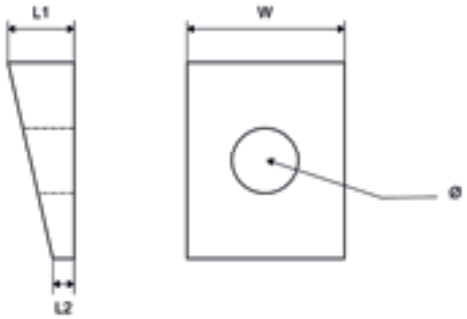
Ref.	L (in)	W (in)	Ø (in)	m (in)
K4263WSHRTDG	3	3	1-1/8	1-1/2

BW

BEVEL WASHERS

Standards:
ASTM A153
A1059 & AG3000

Drop forged steel Bevel washers are used for channels and flanges to bring to parallel.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	L1 (in)	L2 (in)	W (in)	Ø (in)
K1547-1/2	11/32	5/32	1-1/4	1/2
K1547-5/8	13/32	5/32	1-1/2	5/8

To request Armorgalv® finish add "TDG" to the end of part number

02

Attachments guying, dead-ending & pole banding

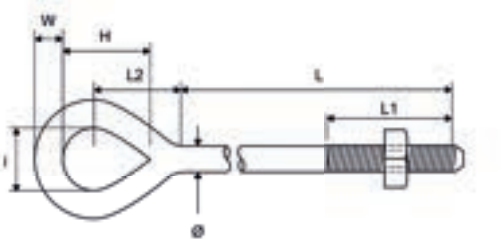
- Dead ending
- Guying
- Pole banding & stubbing

OEB

OVAL EYE BOLTS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame's Oval Eye Bolts are used for guying, dead ending and attaching clevises.
Oval Eye Bolts are also used in the case of specialty needs of suspension insulators and pole line hardware.
All oval eyes are hot forged from A36 steel, galvanized, and assembled with standard square nut.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000
K2640 (not pictured) Oval eye bolt is specifically used in conjunction with Sicame underground ladders.



Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	i (in)	Ø (in)
K2654	6	4	1-3/4	7/16	1-1/2	1-1/4	1/2
K2656	8	6	1-3/4	7/16	1-1/2	1-1/4	1/2
K2658	10	6	1-3/4	7/16	1-1/2	1-1/4	1/2
K2660	12	6	1-3/4	7/16	1-1/2	1-1/4	1/2
K2662	14	6	1-3/4	7/16	1-1/2	1-1/4	1/2
K2664	16	6	1-3/4	7/16	1-1/2	1-1/4	1/2
K2666	18	6	1-3/4	7/16	1-1/2	1-1/4	1/2
K2668	20	6	1-3/4	7/16	1-1/2	1-1/4	1/2
K2678	6	4	2	9/26	2	1-1/2	5/8
K2680	8	6	2	9/26	2	1-1/2	5/8
K2681	10	6	2	9/26	2	1-1/2	5/8
K2682	12	6	2	9/26	2	1-1/2	5/8
K2684	14	6	2	9/26	2	1-1/2	5/8
K2685	16	6	2	9/26	2	1-1/2	5/8
K2686	18	6	2	9/26	2	1-1/2	5/8
K2687	20	6	2	9/26	2	1-1/2	5/8
K2688	22	6	2	9/26	2	1-1/2	5/8
K2689	24	6	2	9/26	2	1-1/2	5/8
K2689-26	26	6	2	9/26	2	1-1/2	5/8
K2689-28	28	6	2	9/26	2	1-1/2	5/8
K2689-30	30	6	2	9/26	2	1-1/2	5/8
K2702	6	4	2-1/4	5/8	2	1-1/2	3/4
K2703	8	6	2-1/4	5/8	2	1-1/2	3/4
K2704	10	6	2-1/4	5/8	2	1-1/2	3/4
K2705	12	6	2-1/4	5/8	2	1-1/2	3/4
K2706	14	6	2-1/4	5/8	2	1-1/2	3/4
K2707	16	6	2-1/4	5/8	2	1-1/2	3/4
K2708	18	6	2-1/4	5/8	2	1-1/2	3/4
K2709	20	6	2-1/4	5/8	2	1-1/2	3/4
K2710	22	6	2-1/4	5/8	2	1-1/2	3/4

K2711	24	6	2-1/4	5/8	2	1-1/2	3/4
K2712	26	6	2-1/4	5/8	2	1-1/2	3/4
K2713	28	6	2-1/4	5/8	2	1-1/2	3/4
K2714	30	6	2-1/4	5/8	2	1-1/2	3/4
K2715	32	6	2-1/4	5/8	2	1-1/2	3/4
K2716	34	6	2-1/4	5/8	2	1-1/2	3/4
K2718	36	6	2-1/4	5/8	2	1-1/2	3/4

Custom Options Available

Custom lengths, thread lengths and assemblies available

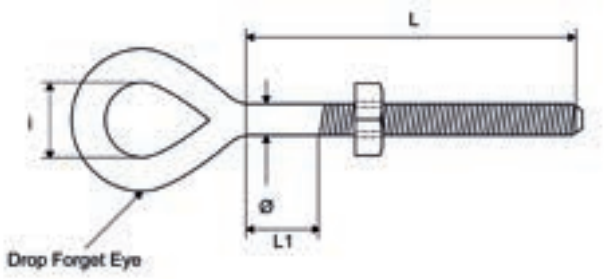
DAOEB

DOUBLE ARMING OVAL EYE BOLTS

sicame GROUP

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame's full thread oval eye bolts and nuts are used for guying, dead ending, as an attaching unit for clevises, suspen- sion insulators and pole line hardware and specialty items.
All oval eyes are hot forged from A36 steel, galvanized, and assembled with standard square nut.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
K2640 (not pictured) Oval eye bolt is specifically used in conjunction with Sicame underground ladders.



Ref.	L (in)	L1 (in)	i (in)	Ø (in)
K2601	12	1-1/2	1-1/2	5/8
K2602	14	1-1/2	1-1/2	5/8
K2603	16	1-1/2	1-1/2	5/8
K2604	18	1-1/2	1-1/2	5/8
K2605	20	1-1/2	1-1/2	5/8
K2606	22	1-1/2	1-1/2	5/8
K2607	24	1-1/2	1-1/2	5/8
K2614	12	1-1/2	1-1/2	3/4
K2615	14	1-1/2	1-1/2	3/4
K2616	16	1-1/2	1-1/2	3/4
K2617	18	1-1/2	1-1/2	3/4
K2618	20	1-1/2	1-1/2	3/4
K2619	22	1-1/2	1-1/2	3/4
K2620	24	1-1/2	1-1/2	3/4
K2621	26	1-1/2	1-1/2	3/4
K2622	28	1-1/2	1-1/2	3/4
K2623	30	1-1/2	1-1/2	3/4

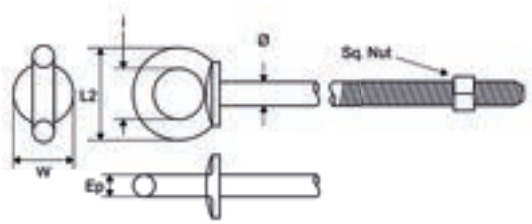
To request Armorgalv® finish add "TDG" to the end of part number

FSEB

FORGED SHOULDER EYE BOLTS

Standards:
IEEE C135.80
ASTM A153
ASTM A1059 & AG3000

Forged shoulder eye bolts provide ample bearing surface, which eliminates the use of washers under the eye. They are used for hanging suspension hardware to the pole or cross arm.
The one-piece shoulder eye is known for exceptional strength and durability.
Shoulder eye bolts are also available in different diameter shoulders. Please inquire for customization requests.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
L = Length
L1 = Thread Length



Ref.	L (in)	L1 (in)	L2 (in)	W (in)	i (in)	Ø (in)	EP (in)
K2556	6	4	2-7/8	1-3/4	1-3/4	5/8	9/16
K2558	8	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2560	10	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2562	12	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2564	14	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2566	16	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2568	18	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2570	20	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2570-22	22	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2570-24	24	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2570-26	26	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2570-28	28	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2570-30	30	6	2-7/8	1-3/4	1-3/4	5/8	9/16
K2576	6	4	3-1/8	2	1-3/4	3/4	11/16
K2578	8	6	3-1/8	2	1-3/4	3/4	11/16
K2580	10	6	3-1/8	2	1-3/4	3/4	11/16
K2582	12	6	3-1/8	2	1-3/4	3/4	11/16
K2584	14	6	3-1/8	2	1-3/4	3/4	11/16
K2586	16	6	3-1/8	2	1-3/4	3/4	11/16
K2588	18	6	3-1/8	2	1-3/4	3/4	11/16
K2590	20	6	3-1/8	2	1-3/4	3/4	11/16
K2590-22	22	6	3-1/8	2	1-3/4	3/4	11/16
K2590-24	24	6	3-1/8	2	1-3/4	3/4	11/16
K2590-26	26	6	3-1/8	2	1-3/4	3/4	11/16
K2590-28	28	6	3-1/8	2	1-3/4	3/4	11/16
K2590-30	30	6	3-1/8	2	1-3/4	3/4	11/16
K2595-12	12	6	3-1/2	1-1/2	1-3/4	7/8	13/16
K2595-14	14	6	3-1/2	1-1/2	1-3/4	7/8	13/16
K2596	16	6	3-1/2	1-1/2	1-3/4	7/8	13/16
K2597	18	6	3-1/2	1-1/2	1-3/4	7/8	13/16
K2598	20	6	3-1/2	1-1/2	1-3/4	7/8	13/16

Custom Options Available. Custom lengths, thread lengths and assemblies available.To request Armorgalv® finish add "TDG" to the end of part number

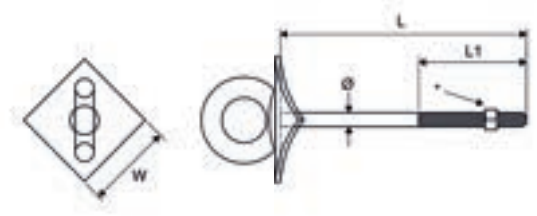
CSEB

CURVED SHOULDER EYE BOLTS

sicame GROUP

Standards:
IEEE C135.80
ASTM A153
ASTM A1059 & AG3000

Curved welded washer shoulder eye bolts are used for hanging suspension hardware to a pole.
Flat welded washers also available. Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000. * Sq nut



Ref.	L (in)	L1 (in)	W (in)	Ø (in)
K2556CW	6	3	3	5/8
K2558CW	8	4	3	5/8
K2560CW	10	4	3	5/8
K2562CW	12	4	3	5/8
K2564CW	14	6	3	5/8
K2566CW	16	6	3	5/8
K2568CW	18	6	3	5/8
K2570CW	20	6	3	5/8
K2572CW	22	6	3	5/8
K2574CW	24	6	3	5/8
K2576CW	26	6	3	5/8
K2576-28CW	28	8	3	5/8
K2576-30CW	30	8	3	5/8
K2578CW	8	3	3	3/4
K2580CW	10	4	3	3/4
K2582CW	12	4	3	3/4
K2584CW	14	4	3	3/4
K2586CW	16	6	3	3/4
K2588CW	18	6	3	3/4
K2590CW	20	6	3	3/4
K2590-22CW	22	6	3	3/4
K2590-24CW	24	6	3	3/4
K2590-26CW	26	6	3	3/4
K2590-28CW	28	6	3	3/4
K2590-30CW	30	8	3	3/4
K2595-12CW	12	6	3	7/8
K2595-14CW	14	6	3	7/8
K2596CW	16	6	3	7/8
K2597CW	18	6	3	7/8
K2598CW	20	6	3	7/8

Custom Options Available

Custom lengths, thread lengths and assemblies available.

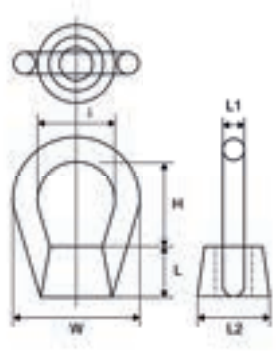
Custom washer sizes also available

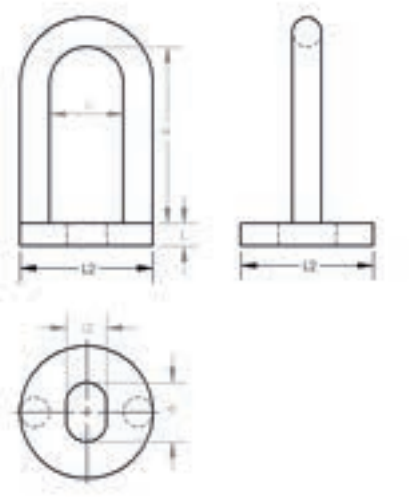
EYN

EYE NUTS & EYELETS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame's Standard Eye Nuts are used for hanging suspension type insulators or other hardware from the cross arm. Standard Long Eye Type is also used as an attaching unit on the cross arm for hanging suspension insulator strings when the upper unit is equipped with a clevis type or hook type cap.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.





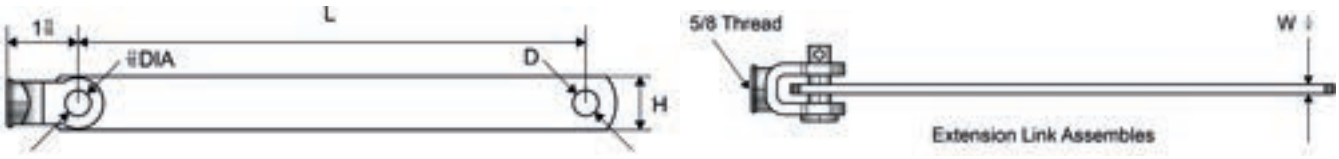
Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	i (in)	i2 (in)	Ø (in)	e (in)	Mechanical Strain (lbs)
										Rating
K4210	3/4	1/2	1-3/4	2-1/2	1-3/4	1-1/2	-	1/2	-	7 800
K4212	3/4	1/2	1-3/4	2-1/2	1-3/4	1-1/2	-	5/8	-	12 400
K4213	3/4	1/2	1-3/4	2-1/2	1-3/4	1-1/2	-	3/4	-	18 350
K4411	3/8	-	2-1/4	-	2-3/8	1-1/4	11/16	5/8	1	14 500
K4412	3/8	-	2-1/4	-	2-3/8	1-1/4	13/16	3/4	1-1/8	21 000
K4413	3/8	-	2-1/4	-	3	1-1/4	11/16	5/8	1	14 500
K4414	3/8	-	2-1/4	-	3	1-1/4	13/16	3/4	1-1/8	21 000

EL

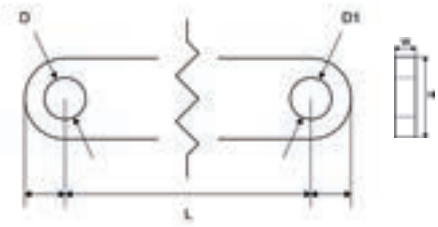
EXTENSION LINKS

Standards:
ASTM A153
A1059 & AG3000

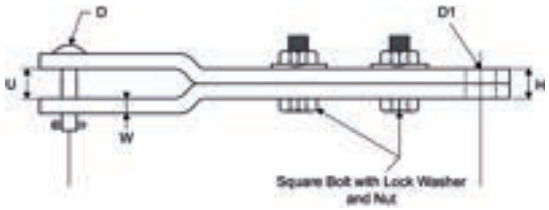
The Sicame extensions link between the clevis ends of the insulator and the second dead end. The included 5/8in clevis nut can be purchased seperately (K8358CN).
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
The Sicame K8258 series extension links are heavier duty then industry standard. Strong and reliable in crucial situations at dead ends and corner structures when additional climbing space is needs. KIF10180 is a lighter weight extension link similar in function to the K8258 series.



Type 1



Type 2



Type 3

Ref.	L (in)	W (in)	H (in)	D (in)	D1 (in)	U (in)	Type
K8355	5	1/4	1 1/2	-	-	-	1
K8358	14	1/4	1 1/2	-	-	-	1
K8359	30	1/4	1 1/2	-	-	-	1
KM182219	22-3/4	3/4	2	11/16	13/16	-	2
KM182414	62-1/2	3/4	2	11/16	13/16	-	2
KM182416	74	3/4	2	11/16	13/16	-	2
KM182417	80	3/4	2	11/16	13/16	-	2
KM182418	85-1/2	3/4	2	11/16	13/16	-	2
KM182306	85-1/2	3/4	2	1-1/16	1-1/16	-	2
KM182477	85-1/2	3/4	2	13/16	13/16	-	2
KM182419	91	3/4	2	11/16	13/16	-	2
KM182459	108-1/2	3/4	2	11/16	13/16	-	2
K8258-10	10	1/4	2	-	-	3/4	3
K8258-12	12	1/4	2	-	-	3/4	3
K8258-18	18	1/4	2	-	-	3/4	3
K8258-24	24	1/4	2	-	-	3/4	3
K8258-42	42	1/4	2	-	-	3/4	3
KIF10180	14	3/16	1-1/2	-	-	3/4	3

Custom

To request Armorgalv® finish add "TDG" to the end the of part number

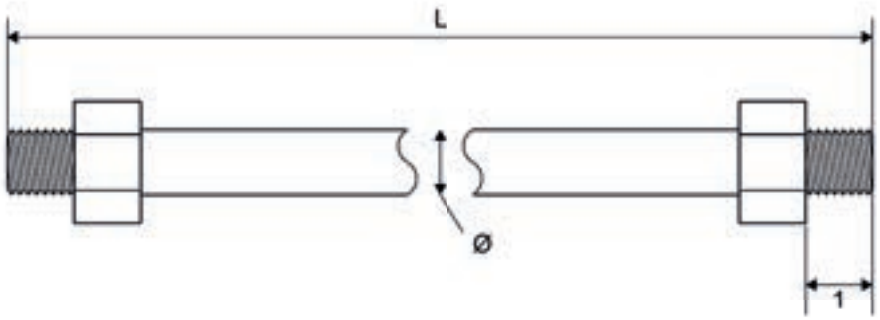
PR

PISA RODS

Standards:
IEEE C135.90
ASTM A153

ASTM 1059 & AG3000
ArmorGalv®

Pisa rods also called power installed screw anchor rod attach to anchors and eye nuts. Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	L (ft)	Ø (in)	Thread	Mechanical Strain (lbs)	Configuration
				Rating	
KA11165	7	5/8	43/64" - 11 UNS - 2A	16 000	-
KA11160	3-1/2	3/4	1"- 8 UNC - 2A	23 000	-
KA11170	7	3/4	1"- 8 UNC - 2A	23 000	-
KA11170HS	7	3/4	-	-	High strenght
KA11200	3-1/2	1	1"- 8 UNC - 2A	36 000	-
KA11210	7	1	1"- 8 UNC - 2A	36 000	-
KA11210HS	7	1	1"- 8 UNC - 2A	50 000	High strenght

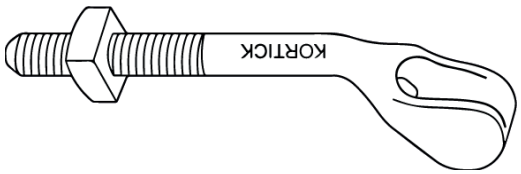
To request Armorgalv® finish add "TDG" to the end of the part number

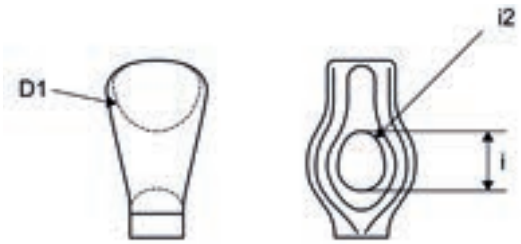
TEYB

THIMBLE EYE BOLTS

Standards:
IEEE C135.80
ASTM A153

Sicame thimbleye bolts are equipped with one regular cold punched square nut. They are universally used for attaching guys to poles and cross arms, for dead-ending and for down guying.
They are forged in two styles, STRAIGHT type and 45-degree ANGLE or BENT type. Fabricated with the "thimbleye" drop forged on the bolt, eliminating the use of separate guy thimble. Eyes (detailed below) develop greater strength than the bolt itself. Threads are cut 6 inches long, course thread series, class 2 fit before galvanizing.
Hot dip galvanized, per latest revision ASTM spec A153, threads cleaned of excess zinc by the centrifugal method.
Nuts are tapped after galvanizing, and when assembled ensure a perfect "finger fit."
We recommend curved washers be placed under the nuts with guy or lift plates under the eyes to distribute the load strain set up by the guys over a greater surface area. Square washers or curved washers and guy or lift plates used with these eye bolts are extra, and should be specified and ordered separately. See plates section of catalog.





Ref.	Length (in)	Thread length (in)	i (in)	i2 (in)	Rod Ø (in)	D1 (in)	Minimum breaking strength (lbs)	Configuration
K3254	6	4	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3255	8	6	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3256	10	6	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3257	12	6	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3258	14	6	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3260	16	6	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3262	20	6	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3264	24	6	5/8-3/4	9/16	5/8	11/16	12 500	Bent Type
K3215	8	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3216	10	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3217	12	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3218	14	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3220	16	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3222	22	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3222-24	24	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3222-26	26	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3222-28	28	6	5/8-3/4	9/16	5/8	11/16	12 500	Straight Type
K3222-30	30	6	5/8-3/4	9/17	5/8	11/16	12 500	Straight Type
K3275	8	6	5/8-3/4	9/16	3/4	11/16	19 000	Bent Type
K3276	10	6	5/8-3/4	9/16	3/4	11/16	19 000	Bent Type
K3277	12	6	5/8-3/4	9/16	3/4	11/16	19 000	Bent Type
K3278	14	6	5/8-3/4	9/16	3/4	11/16	19 000	Bent Type
K3280	16	6	5/8-3/4	9/16	3/4	11/16	19 000	Bent Type
K3281	18	6	5/8-3/4	9/16	3/4	11/16	19 000	Bent Type
K3282	20	6	5/8-3/4	9/16	3/4	11/16	19 000	Bent Type
K3235	8	6	5/8-3/4	9/16	3/4	11/16	19 000	Straight Type
K3236	10	6	5/8-3/4	9/16	3/4	11/16	19 000	Straight Type
K3237	12	6	5/8-3/4	9/16	3/4	11/16	19 000	Straight Type
K3238	14	6	5/8-3/4	9/16	3/4	11/16	19 000	Straight Type

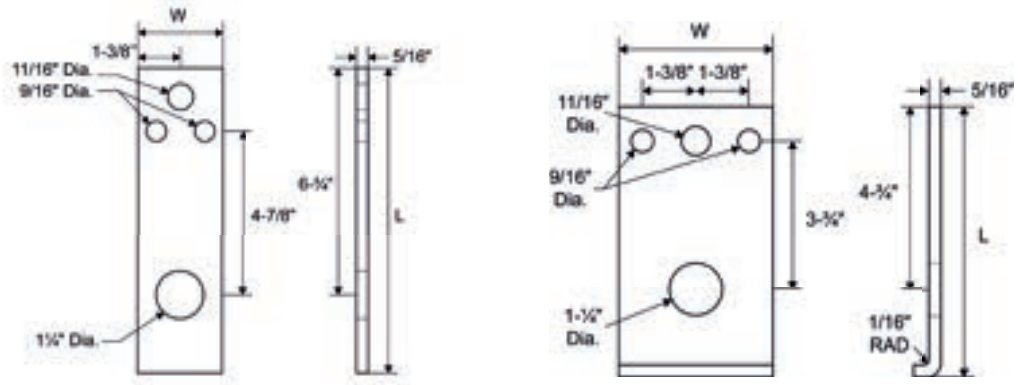
K3240	16	6	5/8-3/4	9/16	3/4	11/16	19 000	Straight Type
K3241	18	6	5/8-3/4	9/16	3/4	11/16	19 000	Straight Type
K3242	20	6	5/8-3/4	9/16	3/4	11/16	19 000	Straight Type
K3248	14	6	-	-	1	-	-	Straight Type
K3249	16	6	-	-	1	-	-	Straight Type
K3250	18	6	-	-	1	-	-	Straight Type

GP

GUY PLATES

Standards:
IEEE C135.90

Sicame load and lift guy plates are used behind the eyes of Angle "Thimbleye" bolts to increase their load capacity. The elongated hole is shaped so the base of the "Thimbleye" fits into it, adding support or "lift" to the eyebolt. Plates distribute the load in tension over a greater surface area and reinforce the wood fibers of a pole against shear resulting from excessive down pull.
Ø = Fit diameter eyebolt
Ø1 = Diameter mounting hole



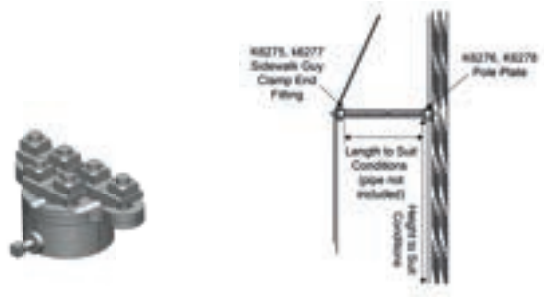
Ref.	L (in)	W (in)	i (in)	Ø (in)	Ø1 (in)	EP (in)	Configuration
K3501	7	2-1/2	1-1/16 x 1-1/4	5/8	11/16	1/4	Curved Plates
K3506	7	2-1/2	13/16 x 1-1/16	3/4	9/16	1/4	Flat 3 Hole Plates
K3510	7	2-1/2	1-1/16 x 15/16	5/8	9/16	3/16	Curved 2 Hole Plates
K3514	7	2-1/2	13/16 x 1-1/16	3/4	9/16	3/16	Curved 2 Hole Plates
K3511	7	2-1/2	13/16 x 1-1/16	3/4	9/16	1/4	Curved 2 Hole Plates
K3512	7	2-1/2	1-1/8 x 1-7/16	1	9/16	5/16	Curved 2 Hole Plates
K3516	7	2-1/2	11/16 x 15/16	5/8	9/16	3/16	Curved 3 Hole Plates
K3519	7	2-1/2	11/16 x 15/16	5/8	9/16	1/4	Curved 3 Hole Plates
K3520	7	2-1/2	11/16 x 15/16	5/8	9/16	5/16	Curved 3 Hole Plates
K3521	7	2-1/2	13/16 x 1-1/16	5/8	9/16	3/16	Curved 3 Hole Plates
K3517	7	2-1/2	13/16 x 1-1/16	3/4	9/16	1/4	Curved 3 Hole Plates
K3522	7	2-1/2	13/16 x 1-1/16	3/4	9/16	5/16	Curved 3 Hole Plates
K3518	7	2-1/2	1-1/16 x 1-5/16	1	9/16	5/16	Curved 3 Hole Plates
K3523	9	2-1/2	1-1/4	1 & under	11/16	5/16	Flat 4 Hole Plates
K3524	9	2-1/2	1-1/4	1 & under	11/16	5/16	Flat 4 Hole Plates
K3503	7	4	1-1/4..	1 & under	11/16	5/16	Flat 4 Hole Lip Plates
K3504	7	4	1-1/4..	1 & under	11/16	5/16	Flat 4 Hole Lip Plates

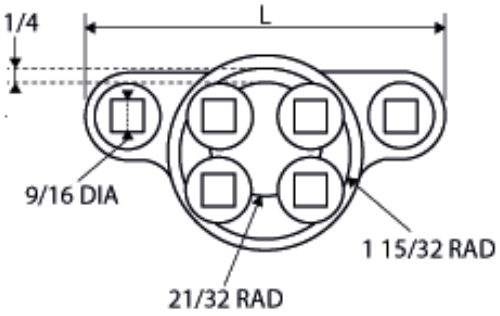
To request Armorgalv® finish add "TDG" to the end of part number

SGF

SIDEWALK GUY FITTING

Sicame sidewalk guy arm pipe fittings fit both 2in and 2-1/2in diameter pipes and can accommodate one, two, or three wires.
A pin secures the fitting in place. They are used where fixed length arms are impractical.
Attaching the fittings to the unthreaded ends of any length standard pipe completes a guy arm unit to extend across any width sidewalk or right of way where head room must be maintained.
Assembled with regular square head machine bolts and square nuts, fittings are hot dip galvanized.
Field drawing for reference only, pipe and other guying hardware not included.





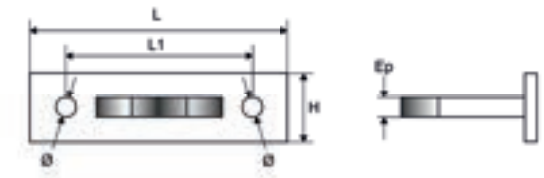
Ref.	L (in)	H (in)	d (in)	Material
K6275	6,15	1-15/16	9/16	Hot-dip galvanized finish
K6275TDG	6,15	1-15/16	9/16	Thermal diffusion galvanized finis

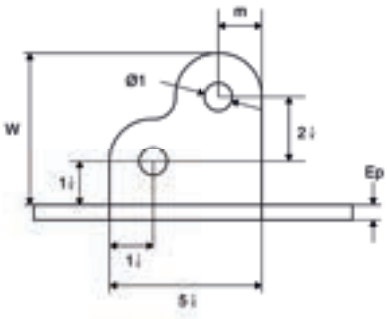
PEYP

POLE EYE PLATES

Standards:
IEEE C135.90
ASTM A153
A1059 & AG3000

Sicame heavy pole eye plates are through welded for heavy duty applications.
Available in flat and round base.
Please inquire for custom design and part numbers.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.





Ref.	L (in)	L1 (in)	W (in)	H (in)	Ø (in)	Ø1 (in)	EP (in)	m (in)	Material
KA11980	11-5/8	8	5-1/4	3-1/2	13/16	15/16	1/2	1-1/2	Hot-dip galvanized finish

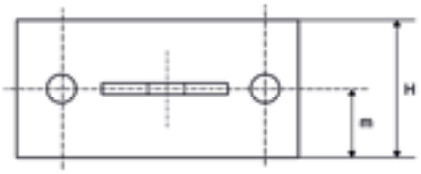
To request Armorgalv® finish add "TDG" to the end the of part number

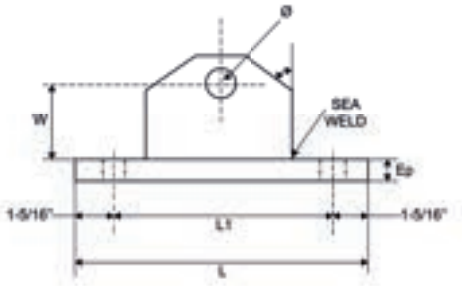
DET

DEAD_END_TEE

Standards:
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Regular duty dead end tee.
Material is A36 steel, tensile strength is 40,000lbs.
Multiple tee designs are available; please inquire for part numbers, designs, and strengths.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000





Ref.	L (in)	L1 (in)	W (in)	H (in)	Ø (in)	EP (in)	m (in)	Mechanical Strain (lbs) Rating	Material
KX101218	11 5/8	9	4	3-1/2	1-1/8	1/2	1-3/4	40 000	Hot-dip galvanized finish

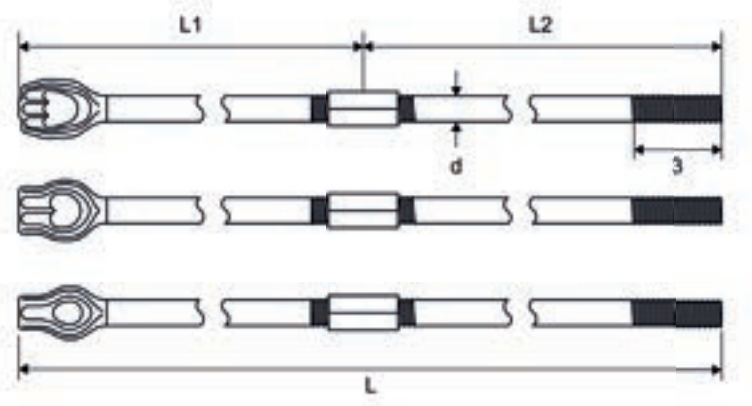
To request Armorgalv® finish add "TDG" to the end the of part number

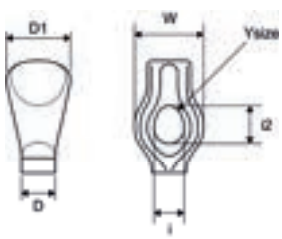
CAR

COUPLING ANCHOR RODS

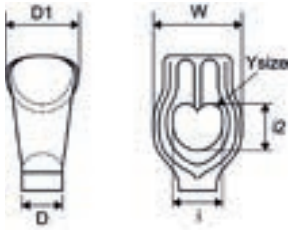
Standards:
IEEE C135.90
ATSM AG3000

Sicame guy anchor rods feature a drop forged head and rolled threads.
They can support bewteen one and three strand guying.
A threaded coupling allows long rods to be transported more easily and also eases their removal.
Anchor rods are available with corrosion protective Armorgalv AG3000 certified coating.
This is highly recommended since anchor rods are often used in highly corrosive environments.
Please inquire for part numbers.

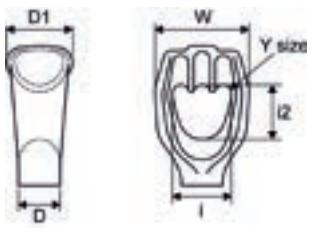




Thimbleye



Twineye



Tripleye

Ref.	L (in)	L1 (in)	L2 (in)	W (in)	i (in)	i2 (in)	d (in)	Y (in)	D1 (in)	Mechanical Strain (lbs) Rating	Configuration
K3315	5	5	-	11/2	9/16	11/16	5/8	1/4	1-1/4	17 000	Thimbleye
K3316	6	6	-	11/2	9/16	11/16	5/8	1/4	1-1/4	17 000	Thimbleye
K3317	7	7	-	11/2	9/16	11/16	5/8	1/4	1-1/4	17 000	Thimbleye
K3318	8	6	2	11/2	9/16	11/16	5/8	1/4	1-1/4	17 000	Thimbleye
K3326	6	6	-	1-5/8	11/16	13/16	3/4	9/32	1-3/8	25 000	Thimbleye
K3327	7	7	-	1-5/8	11/16	13/16	3/4	9/32	1-3/8	25 000	Thimbleye
K3328	8	6	2	1-5/8	11/16	13/16	3/4	9/32	1-3/8	25 000	Thimbleye
K3329	9	6	3	1-5/8	11/16	13/16	3/4	9/32	1-3/8	25 000	Thimbleye
K3330	10	6	4	1-5/8	11/16	13/16	3/4	9/32	1-3/8	25 000	Thimbleye
K3337	7	7	-	2-1/16	15/16	1-1/8	1	13/32	1-1/2	38 000	Thimbleye
K3338	8	6	2	2-1/16	15/16	1-1/8	1	13/32	1-1/2	38 000	Thimbleye
K3339	9	6	3	2-1/16	15/16	1-1/8	1	13/32	1-1/2	38 000	Thimbleye
K3340	10	6	4	2-1/16	15/16	1-1/8	1	13/32	1-1/2	38 000	Thimbleye
K3342	12	6	6	2-1/16	15/16	1-1/8	1	13/32	1-1/2	38 000	Thimbleye
K3525	5	5	-	1-3/4	15/16	7/8	5/8	7/32	1-1/4	17 000	Twineye
K3526	6	6	-	1-3/4	15/16	7/8	5/8	7/32	1-1/4	17 000	Twineye
K3527	7	7	-	1-3/4	15/16	7/8	5/8	7/32	1-1/4	17 000	Twineye
K3528	8	6	2	1-3/4	15/16	7/8	5/8	7/32	1-1/4	17 000	Twineye
K3456	6	6	-	2	1-1/16	1	3/4	1/4	1-3/8	25 000	Twineye
K3457	7	7	-	2	1-1/16	1	3/4	1/4	1-3/8	25 000	Twineye
K3458	8	6	2	2	1-1/16	1	3/4	1/4	1-3/8	25 000	Twineye
K3459	9	6	3	2	1-1/16	1	3/4	1/4	1-3/8	25 000	Twineye
K3460	10	6	4	2	1-1/16	1	3/4	1/4	1-3/8	25 000	Twineye
K3467	7	7	-	2-1/4	1-5/16	1-3/16	1	5/16	1-1/2	38 000	Twineye
K3468	8	6	2	2-1/4	1-5/16	1-3/16	1	5/16	1-1/2	38 000	Twineye
K3469	9	6	3	2-1/4	1-5/16	1-3/16	1	5/16	1-1/2	38 000	Twineye
K3470	10	6	4	2-1/4	1-5/16	1-3/16	1	5/16	-	38 000	Twineye
K3472	12	6	6	2-1/4	1-5/16	1-3/16	1	5/16	1-1/2	38 000	Twineye
K3540	10	6	4	2-7/8	1-1/2	1-1/4	1-1/4	3/8	1-5/8	60 000	Twineye
K3542	12	6	6	2-7/8	1-1/2	1-1/4	1-1/4	3/8	1-5/8	60 000	Twineye
K3826	6	6	-	2-1/2	1-1/2	1-11/16	3/4	7/32	1-3/8	25 000	Tripleye
K3827	7	7	-	2-1/2	1-1/2	1-11/16	3/4	7/32	1-3/8	25 000	Tripleye
K3828	8	6	2	2-1/2	1-1/2	1-11/16	3/4	7/32	1-3/8	25 000	Tripleye
K3829	9	6	3	2-1/2	1-1/2	1-11/16	3/4	7/32	1-3/8	25 000	Tripleye
K2830	10	6	4	2-1/2	1-1/2	1-11/16	3/4	7/32	1-3/8	25 000	Tripleye
K3847	7	7	-	2-9/16	1-5/8	1-11/16	1	7/32	1-1/2	38 000	Tripleye

K3848	8	6	2	2-9/16	1-5/8	1-11/16	1	7/32	1-1/2	38 000	Tripleye
K3849	9	6	3	2-9/16	1-5/8	1-11/16	1	7/32	1-1/2	38 000	Tripleye
K3850	10	6	4	2-9/16	1-5/8	1-11/16	1	7/32	-	38 000	Tripleye
K3852	12	6	6	2-9/16	1-5/8	1-11/16	1	7/32	1-1/2	38 000	Tripleye
K3870	10	6	4	2-3/4	1-11/16	1-11/16	1-1/4	7/32	-	60 000	Tripleye
K3872	12	6	6	2-3/4	1-11/16	1-11/16	1-1/4	7/32	1-5/8	60 000	Tripleye

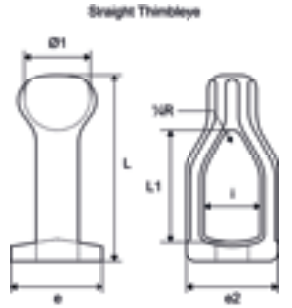
To request Armorgalv® finish add "TDG" to the end of part number

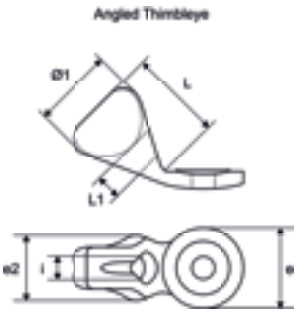
EYL

EYELETS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame's eyelets (bolt eyes) are universally used for dead ending, guying, and as an attaching unit on the cross arm for hanging hardware.
The straight type is used for span or messenger single guy attachments. The angle type is used for down guy attachments.
Eyes can be mounted to a pole or cross arm by either the head of a bolt or nut.
The bottom slot or hole is elongated to provide sufficient clearance to insert the bolt at any angle. The wire grooves contoured to prevent the strand bending or kinking under tension. They are designed to develop greater strength than the bolts to which they are attached.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.





Ref.	L (in)	L1 (in)	i (in)	Bolt Ø (in)	Ø1 (in)	e (in)	e2 (in)	Mounting hole (in)	Max guy strand size	Mechanical Strain (lbs) Rating	Configuration
K3130	4-5/16	2-9/16	1-5/16	5/8	1-1/2	2-1/16	2-1/16	11/16x1	1/2	14 500	Straight Thimbleye
K3131	4-5/16	2-9/16	1-5/16	3/4	1-1/2	2-1/16	2-1/16	13/16x1-1/8	1/2	21 000	Straight Thimbleye
K3140	2-1/2	13/16	11/16	5/8	1-1/2	2-1/2	1-5/8	11/16	1/2	14 500	Angle Thimbleye
K3141	2-1/2	13/16	11/16	3/4	1-1/2	2-1/2	1-5/8	13/16	1/2	21 000	Angle Thimbleye

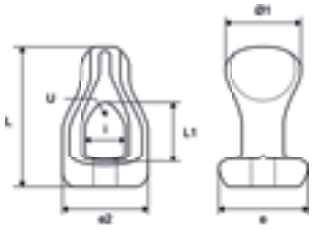
To request Armorgalv® finish add "TDG" to the end the of part number

TTT_EYN

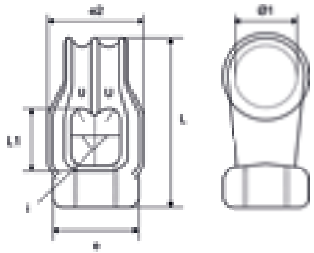
THIMBLE, TWIN, & TRIPLE EYE NUTS

Standards:
IEEE C135.80
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

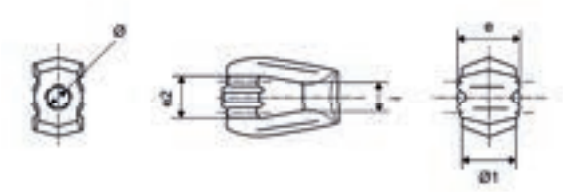
Sicame's eye nuts are used to add eyes to installations for dead ending, stub or head guying.
Thimbleyes are used for one-strand guying, twineyes for two-strand guying, triple eye for three-stand guying.
The eye nut develops greater strength than the rods to which they are attached.
Hot dip galvanized per latest revision ASTM Spec. A153 with excess zinc removed by the centrifugal method. Also available Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



THIMBLEYE - K3112



TWINEYE - K3121



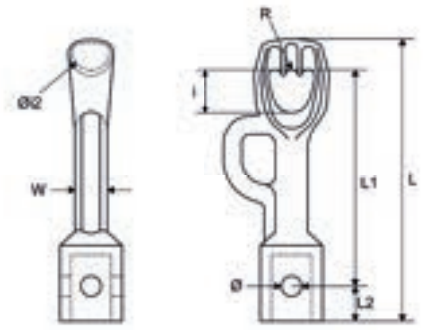
TRIPLE EYE NUT - K3127

Ref.	L (in)	L1 (in)	i (in)	Bolt Ø (in)	Ø1 (in)	e (in)	Drill a tap (in)	Guy cap (in)	U (in)	Mechanical Strain (lbs) Rating	Configuration
K3110	3-1/4	1-3/8	7/8	1/2	1-1/2	1-1/2	33/64-13 thread	7/16	1/4	8 500	Thimbleye
K3111	3-1/4	1-3/8	7/8	5/8	1-1/2	1-1/2	41/64-11 thread	7/16	1/4	14 500	Thimbleye
K3112	3-1/4	1-3/8	7/8	3/4	1-1/2	1-1/2	49-64-10 thread	7/16	1/4	21 000	Thimbleye
K3113	3-7/8	1-5/8	1-1/4	1	1-5/8	1-3/4	1-1/64- 8 thread	5/8	13/32	42 000	Thimbleye
K3120	1/4	2-1/8	1-5/16	5/8	1-1/2	1-7/8	41/64-11 thread	1/2	1/4	14 500	Twineye
K3121	1/4	2-1/8	1-5/16	3/4	1-1/2	1-7/8	49-64-10 thread	1/2	1/4	21 000	Twineye
K3122	1/4	2-1/8	1-5/16	1	1-1/2	1-7/8	1-1/64- 8 thread	1/2	1/4	42 000	Twineye
K3127	-	-	1.2	1	1.6	1.85	1-8 UNC-2B-	-	-	-	Triple eye nuts

TGA

TRIPLEYE GUY ADAPTER

Guy adapters attach to anchor rod extensions.
The tripleye guy adapter allows for three-strand guying and includes a pulling eye.
Other sizes and styles available upon request.



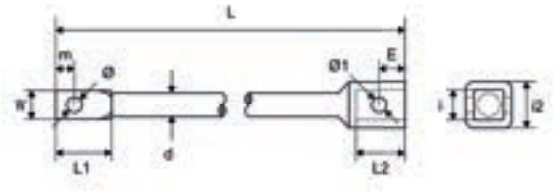
Ref.	L (in)	L1 (in)	L2 (in)	W (in)	i (in)	i2 (in)	Ø (in)	Material
KXENT32083399	11	8 1/2	1 3/8	1 1/4	1 5/8	13/16 Rad	13/16	Hot-dip galvanized finish
KXENT32083399TDG	11	8 1/2	1 3/8	1 1/4	1 5/8	13/16 Rad	13/16	Thermal-diffusion galvanized finish

ARE

ANCHOR ROD EXTENSIONS

Standards:
IEEE C135.90

Anchor rod extensions extend the length of ground anchors to allow connection between installed anchors and guy wires.
Other sizes and styles available upon request.



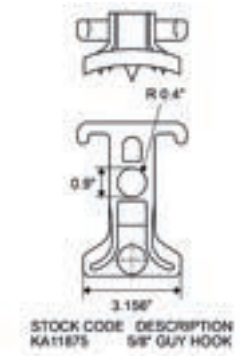
Ref.	L (in)	L1 (in)	L2 (in)	W (in)	i (in)	i2 (in)	Ø (in)	Ø1 (in)	d (in)	m (in)	E (in)	Material
KXENT32083400	44-1/2	3	2-5/8	1-1/2	1-5/8	2-7/16	13/16	13/16	1-1/4	1	1-3/8	Hot-dip galvanized finish
KXENT32083400TDG	44-1/2	3	2-5/8	1-1/2	1-5/8	2-7/16	13/16	13/16	1-1/4	1	1-3/8	Thermal-diffusion galvanized finish

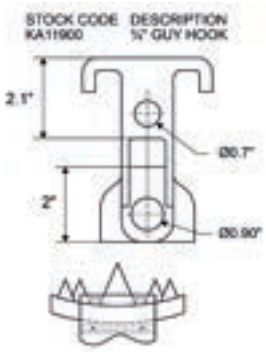
GH

GUY HOOK

Standards:
IEEE C135.90

Cast Guy hook attachments available for 5/8 and 3/4 bolts. Used for down guy applications.





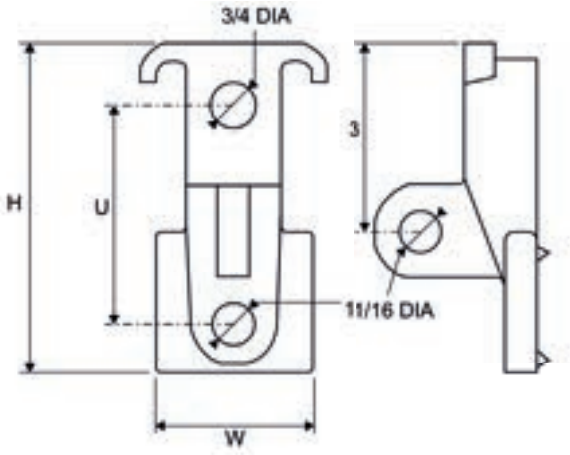
Ref.	Ø (in)
KA11875	5/8
KA11900	3/4
KA11970	Combination 3/4 guy hook

CPEY_GH

COMBINATION POLE EYE - GUY HOOK

Standards:
IEEE C135.90

Combination cast guy hook and pole eye plate attachments available for 3/4 bolts.
It is a multifunctional attachment.



Ref.	W (in)	H (in)	U (in)
KXGEP5A	2-1/2	5-1/4	3-1/2

To request Armorgalv® finish add "TDG" to the end the of part number

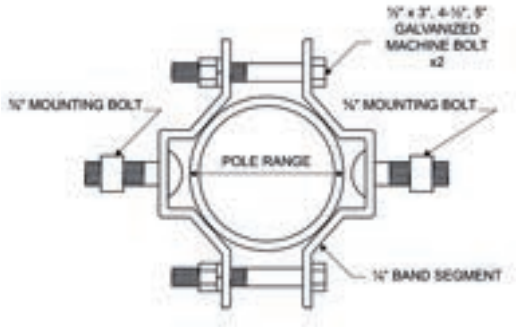
S&D_CB

sicame GROUP

SINGLE AND DOUBLE CUP BANDS

Standards:
ASTM A153

Sicame single and double cup pole bands supply additional attaching points for pole line hardware items, specialty items, and for dead end or guying lines.
Available hot dip galvanized per ASTM A153.



Ref.	Number of bolt	Ø bolt (in)	Pole range	Configuration
K8183	1	5/8	3.5-4	Single
K8184	1	5/8	4-5	Single
K8185	1	5/8	5-5.5	Single
K8193	2	5/8	3.5-4	Double
K8194	2	5/8	4-5	Double
K8195	2	5/8	5-5.5	Double

To request Armorgalv® finish add "TDG" to the end the of part number
** SINGLE CUP BANDS are equipped with ONE ⅝" MOUNTING BOLT*
** DOUBLE CUP BANDS are equipped with TWO ⅝" MOUNTING BOLT*

TPPB

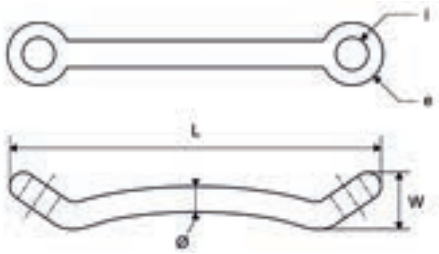
sicame GROUP

THREE PIECE POLE BAND

Standards:
ASTM A153

Sicame three piece round bar pole bands for steel poles.
Round bar design limits corrosion on the steel pole.
Three-piece design displaces load across from eye to eye of opposing band section, taking load away from fastener. These bands are popular with light rail, electric bus, and other municipality uses on the west coast.
Available hot dip galvanized per ASTM A153.





Ref.	L (in)	W (in)	i (in)	e (in)	Ø (in)	Pole range	Pole
K8196	11	1-3/4	3/4	1-3/4	3/4	4.5-5.5	#1
K8197	11	1-3/4	3/4	1-3/4	3/4	6-7.25	#2
K8198	11	1-3/4	3/4	1-3/4	3/4	7-8.25	#3
K8199	11	1-3/4	3/4	1-3/4	3/4	8-9.25	#4
K8200	11	1-3/4	3/4	1-3/4	3/4	9-10.25	#5
K8203	11	1-3/4	3/4	1-3/4	3/4	10-11.25	#7
K8204-3/4	11	1-3/4	3/4	1-3/4	3/4	10-11.25	SPL

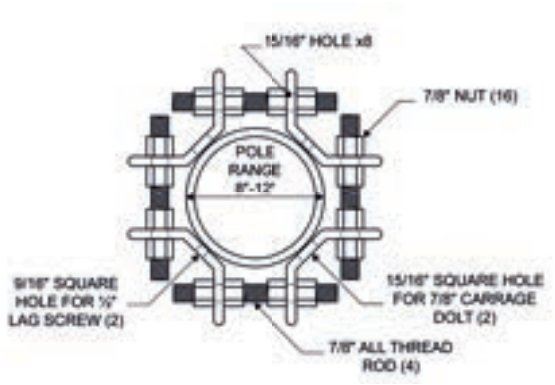
** All Bolts and Nuts Per ASTM A325 Hot Dipped Galvanized*

FWPB

FOUR WAY POLE BAND

Four way pole bands provide flexibility for attaching dead end and guy lines.
They are clamped to the pole with four 7/8” DA bolts.
All parts are galvanized.
Sections are made of 1/2" x 4" steel plate.

7/8" x 3" carriage bolts and nuts are included.
Lag screws are not included.

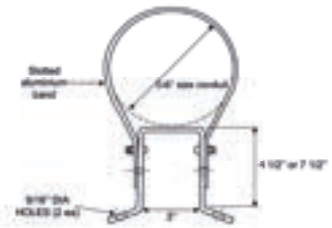


Ref.	Thread	Pole range
K5071	With a stud bolt	8-12
K5072	With 2 stud bolts	8-12

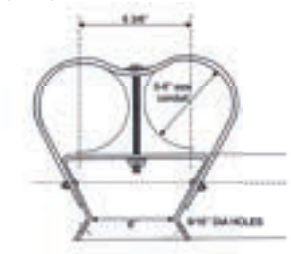
CTB

CONDUIT STANDOFF BRACKETS

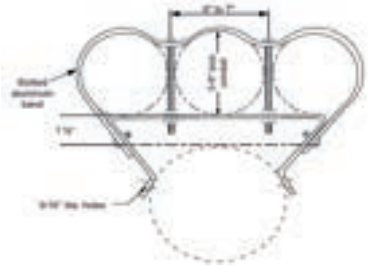
Conduit Brackets (K6411,12,13), with standoff distance, for one, two, or three conduits, with flat bar and aluminum design.
Conduit Brackets KB1965 series with strut.
Please inquire for length, part numbers, and design specifics.



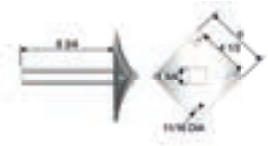
One conduit



Two conduits



Three conduits





With strut

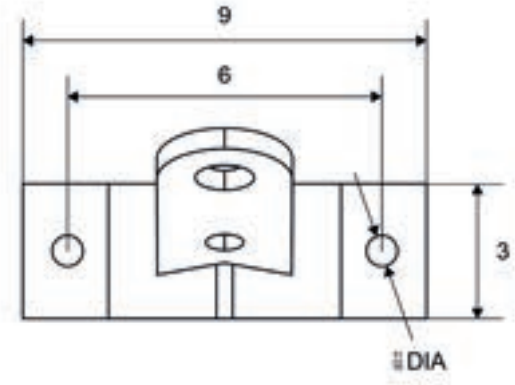
Ref.	L (in)	Type
KB1965-A12-1/2	12-1/2	With strut
KB1965-A8-1/2	8-1/2	With strut
K6411	-	One conduit
K6412	-	Two conduits
K6413	-	Three conduits

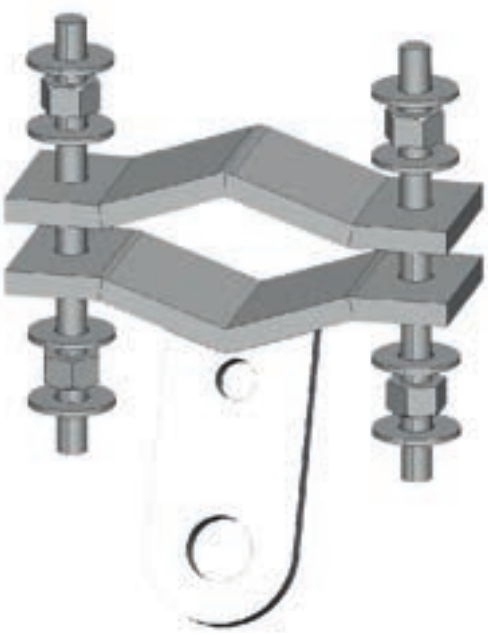
NSWB

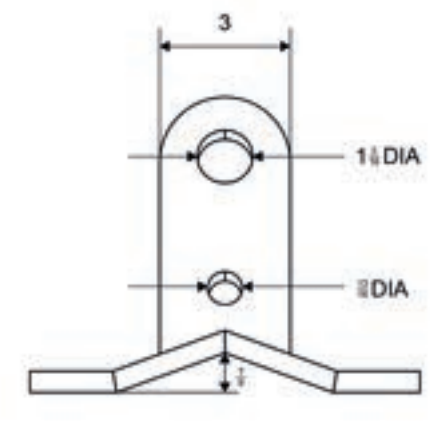
NEUTRAL SUPPORT WIRE BRACKET

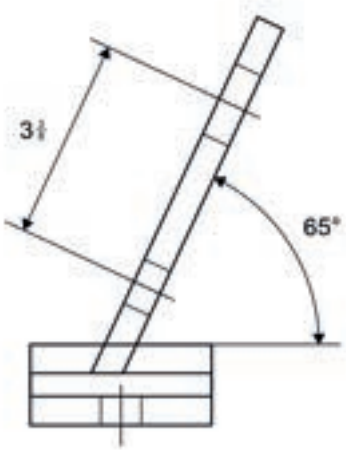
Standards:
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Neutral support wire bracket includes upper and lower brackets, two 5/8 x 9 in DA bolts, four hex nuts, four MF lock washers and for round washers.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.









Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	Ø (in)	Ø1 (in)
KXENT34KVNSWB	13/16	9	6	3	3	11/16	1-5/16

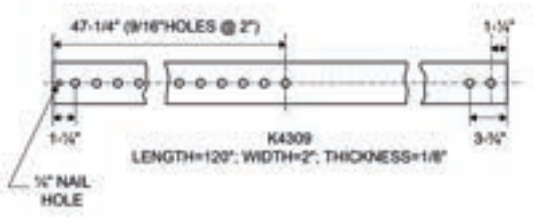
Custom

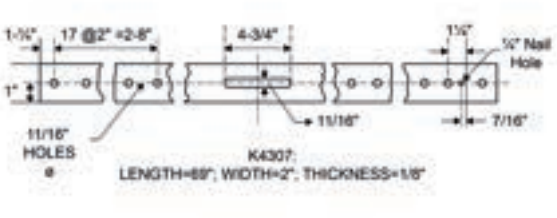
To request Armorgalv® finish add "TDG" to the end the of part number

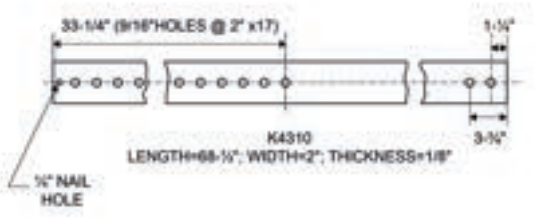
SB&P

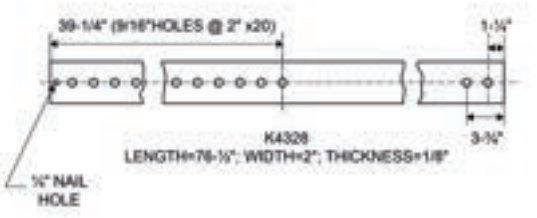
STUBBING BANDS AND PIPES

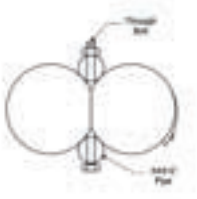
Sicame stubbing reinforcing bands and fittings add years of life to a pole with a rotted, weakened butt.
To use, set a correct length stub, approximately the same diameter and ground depth as the pole, and securely bind stub and pole above the ground line at two or more points. Tighten by inserting through bolt into one slotted hole of the band and engage one of the holes on the opposite side. Tighten the nut and the bands are drawn into the pockets between the pole and stub with the stubbing pipe in place.
Please inquire about custom length and hole dimensions.















Ref.	L (in)	W (in)	Ø (in)	Thickness (in)	Height of pole	Configuration
K4307	96	2	11/16	12 B.W.G.	50	BAND
K4309	120	2	9/16	12 B.W.G.	50 or OVER	BAND
K4310	68-1/2	2	9/16	12 B.W.G.	40 or LESS	BAND
K4311	89-1/2	2	9/16	12 B.W.G.	40 or LESS	BAND
K4328	76-1/2	2	9/16	12 B.W.G.	40 or LESS	BAND
K4312	5	-	3/4	EXTRA HEAVY	ALL	PIPE

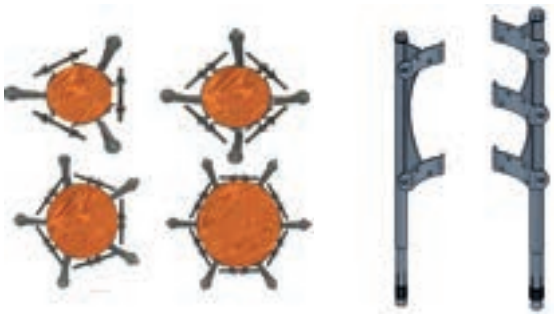
SPA

StarPole - Anchoring System

Hassle-free pole anchoring system designed to install and secure poles (wooden, composite or other material) in place on rock cncrete or any hard surface.

Rather than spending precious time and money in blasting, simply drill 4-holes and tighten.
• Safe : Eliminates the risks and environmental hazards inherent in blasting.
• Easy to install : easy to set-up and light equipment to handle. No skilled labor required.
• More productive : allows more poles istaled per day, in all kinds of weather.
• Universal system : fully adaptable, designed for poles of any kind.

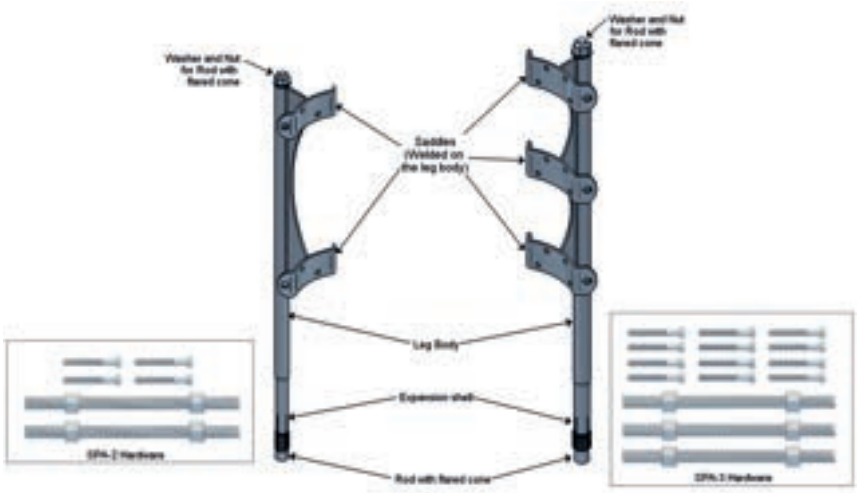




Please contact you regard Sicame Rep for more information

Starpole™ pole anchoring system

Hassle-free pole anchoring system designed to install and secure poles in place on rock, concrete or any hard surface. Rather than spending precious time and money in blasting, simply drill 4-holes and tighten.





3 anchors configuration	4 anchors configuration	5 anchors configuration	6 anchors configuration









SPA 2	
Dia.	*Circ.*
8	25
9	28
10	31
11	35
12	38

SPA 2	
Dia.	*Circ.*
11	35
12	38
13	41
14	44
15	47
16	50
17	53
18	57
19	60
20	63
SPA 3	

SPA 2	
Dia.	*Circ.*
14	40
15	47
16	50
17	53
18	57
19	60
20	63
21	66
22	69
23	72
24	75
25	79
SPA 3	

SPA 3	
Dia.	*Circ.*
22	69
23	72
24	75
25	79
26	82
27	85
28	88
29	91
30	94
31	97

- **Safe solution:** Eliminates the risks and environmental hazards inherent in blasting.
- **Easy to install:** easy to set-up and light equipment to handle. No skilled labor required.
- **Increased productivity:** allows more poles installed per day, in all kinds of weather.
- **Universal system:** fully adaptable, designed for poles of any kind


HIGH
VOLTAGE

03

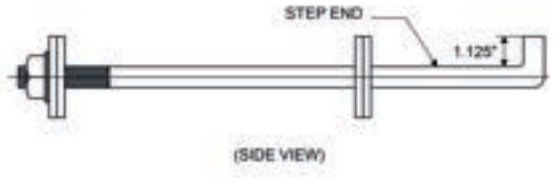
Pole steps

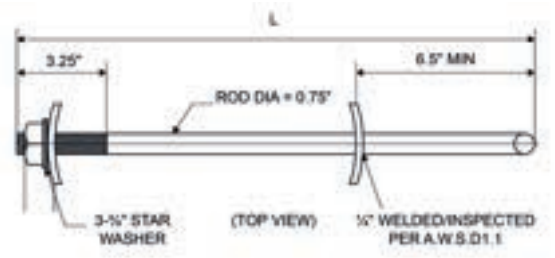
FP_TPS

THROUGH POLE STEPS FOR FIBERGLASS

Standards:
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame through pole steps are for fiberglass poles. They have the same drive point design features as the C-SP-PS series (K4252).
They are available with the square or square curved washer welded. Coarse thread class 2 threads assembled with square washer, star washer, and square nut.
The low carbon steel step is able to withstand 750lbs static loading without deformation.
Please inquire about customization options. Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.





Ref.	L (in)	Mechanical Strain (lbs)
		Rating
K4272	19	750
K4276	24	750

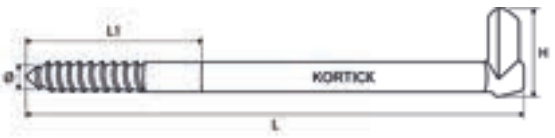
Custom:To request Armorgalv® finish add "TDG" to the end the of part number

WP_PS

POLE STEPS FOR WOOD POLES

Standards:
ASTM A153
ASTM 1059 & AG3000
ArmorGalv®

Sicame wood pole steps are driven into wood poles to provide secure foot and hand holds for climbing.
Typically, pole steps start no less than 8 feet above the ground and are spaced 18" apart on alternate sides of the pole. They are generally located in line with the lead in the same vertical plane.
The K4252 Pole step for wood poles has a "handy drive" head that is reinforced at the bottom to prevent bending the head when driving. Its surfaces are rounded and smooth, eliminating accident hazards caused by sharp corners or edges. A raised ring indicates correct driving depth.
The pole step is also available with Sicame knurling (K4252K) for improved tread grip. Sicame pole steps are forged from "carbon" steel bars. Hot dip galvanized, per latest revision ASTM Spec A153. Excess zinc eliminated by the centrifugal method.
Threads are fetter drive with a cone point for easy driving into wood.
Also available Armorgalv® thermal diffusion galvanized per A1059 & AG3000.





Ref.	L (in)	L1 (in)	H (in)	Ø (in)	Type
K4252	10	2-3/4	1	5/8	Standard
K4258	14	4-3/4	1	3/4	Standard
K4258K	14	4-3/4	1	3/4	Knurling

Please inquire about customization options.

To request Armorgalv® finish add "TDG" to the end the of part number

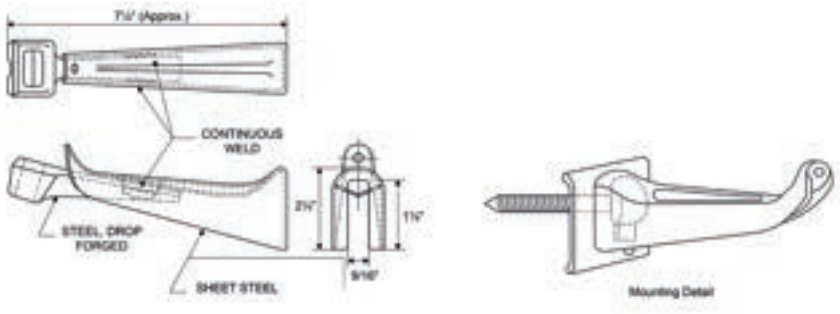
DET_PS

DETACHABLE POLE STEPS

Standards:
ASTM A153
A1059 & AG3000

Detachable pole steps (K4553) allow for steps to be added as needed to keep unauthorized climbing. The mounting plate lag assembly (K4552) is permanently attached and the step is carried on the lineman's belt.
The K4570 is a combination pole step.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000

Mounting Detail:
1. To install, assemble washer, which acts as a bearing plate for the step, to the Lag Screw and drive the lag into the pole until the washer corners bite into the pole surface.
2. Slip the slotted back of the step over the special groove



Ref.	Configuration
K4552	Lag plate assembly
K4553	Detachable step
K4570	Step and lag plate combination

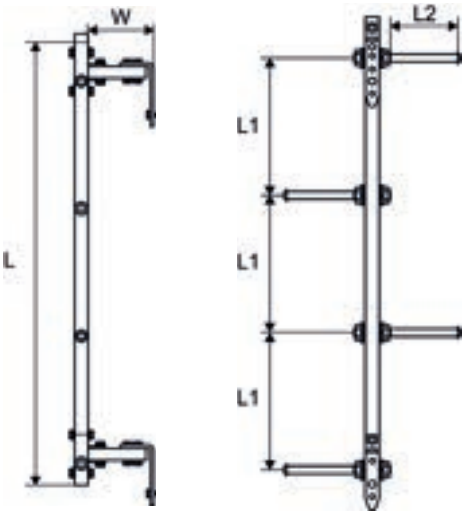
NOTE 1 : THIS END FITS K-4552 & A.T.&T. CO. "B" POLE STEP MOUNTINGS.

TL

TOWER LADDER

Standards:
ASTM A153
ASTM A123

Sicame's staggered step tower ladder provides permanent pole access.
After inserting the access ladder in the mounting clips, the two cap screws can be tightened against the pole for stability.
Galvanized per ASTM A123, except for nuts, washers and bolts, which meet A153.



Ref.	L (in)	L1 (in)	L2 (in)	W (in)
K8264	52	15	7-1/2	7-3/4

CHECK *me*
by SICAME

Your new online traceability plaform

Check *me* is a software application to manage your assets including PPE, toolings, machines and people,

Protect your employees and **improve** the monitoring of protective equipment throughout its life cycle,

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Automatic display

Equipment fleet managment

Instant dashboard

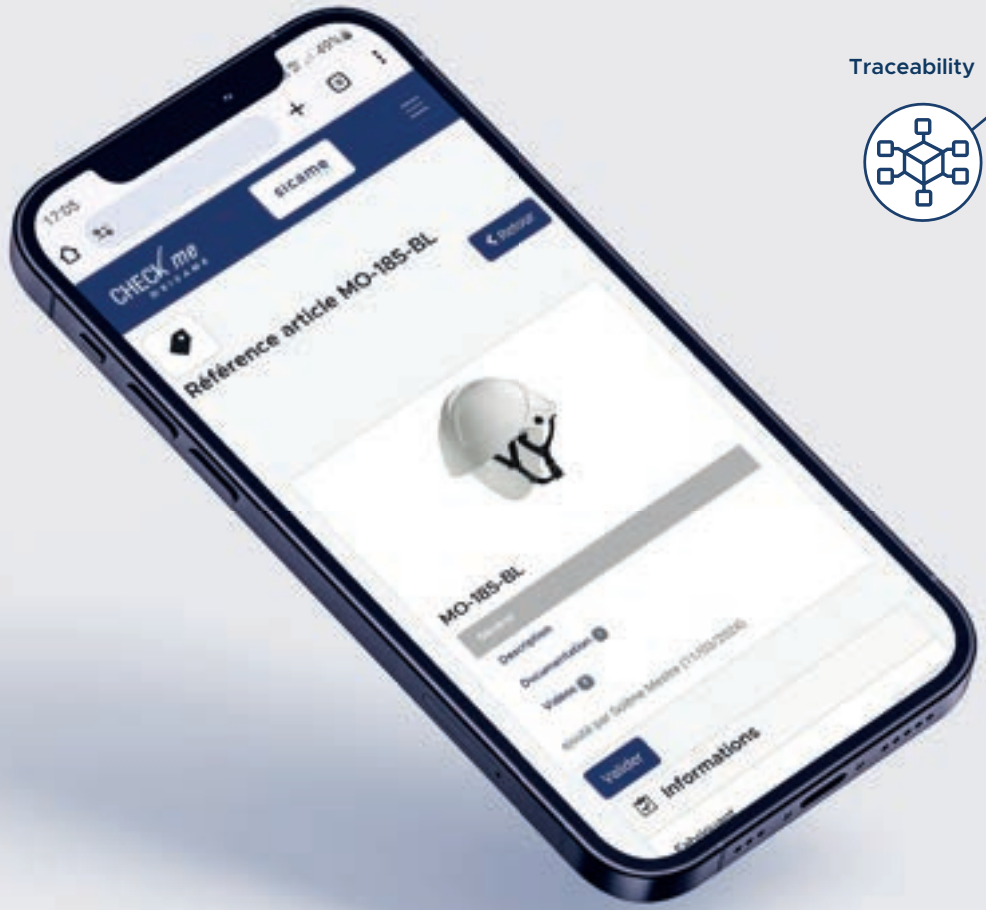
Compliance by controls planning

Operational efficiency

Geolocation

Traceability

Defined control frequency



check-me.io

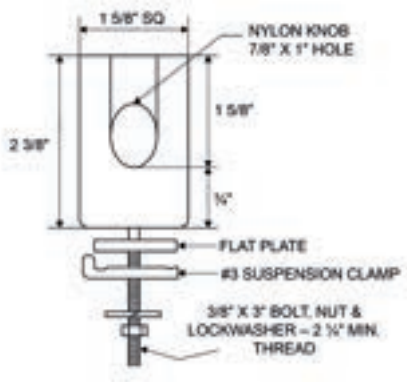
04

Secondary & service hardware

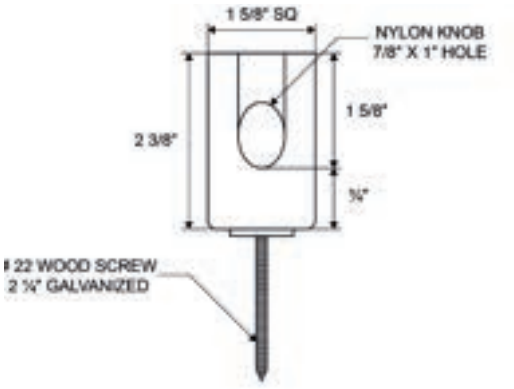
WH

WIRE HOLDERS

Sicame wire holders lend themselves readily to all service requirements.
Available in multiple variations with periscope brackets, span clamps, and periscope extensions.
Wire holders are standard in nylon with porcelain available upon request.
Please inquire for custom variations, thread types, and materials.



K8345Z : Nylon with Span Clamp



K4725Z : Nylon with Wood Screw

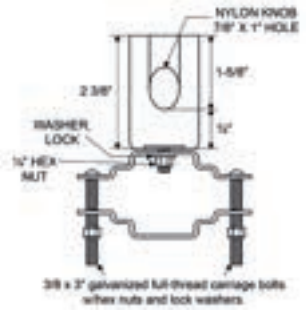
Ref.	Fasteners	Material	Hardware
K4725	2-1/4 Lag Screw	Porcelain	-
K4725Z	2-1/4 Lag Screw	Nylon	-
K4726	3" Lag Screw	Porcelain	-
K4726Z	3" Lag Screw	Nylon	-
K4727	4" Lag Screw	Porcelain	-
K4727Z	4" Lag Screw	Nylon	-
K5927-3P-2	3/8 x 2-1/8 Stud	Nylon	Hex nut & lock washer
K8345Z	3/8 x 2-1/8 Stud	Nylon	Suspension clamp etc.

PBR

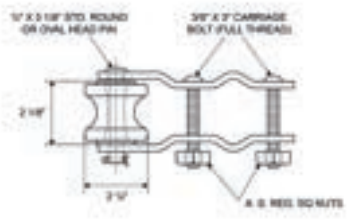
PERISCOPE BRACKETS

Standards:
ASTM A153
A1059 & AG3000

Sicame's periscope brackets fit a range of pipe from 1-1/4" to 4".
Hot dip galvanized per ASTM A153.



K4593Z



K4582

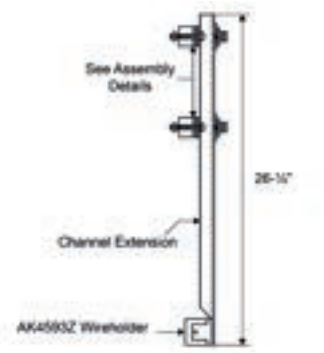
Ref.	Use	Configuration
K4593Z	For 1-1/4 - 2-1/2 pipe.	Nylon Periscope Bracket
KYWP2712325	For 2-1/2 - 4 pipe.	Nylon Periscope Bracket
K4582	For 1-1/4 - 2-1/2 pipe.	Periscope Bracket with Spool

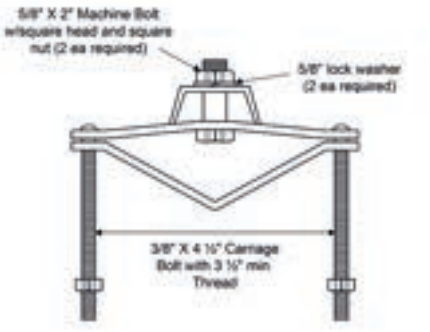
PBRE

PERISCOPE BRACKET EXTENSION

Standards:
ASTM A153

Sicame's periscope bracket extension is used to extend existing periscopes.
The bracket will fit 3/4" to 3" periscopes and comes with the K4593Z wireholder.
Hot dip galvanized per ASTM A153





Ref.	L (in)
K8397	26-1/4"

CLEV

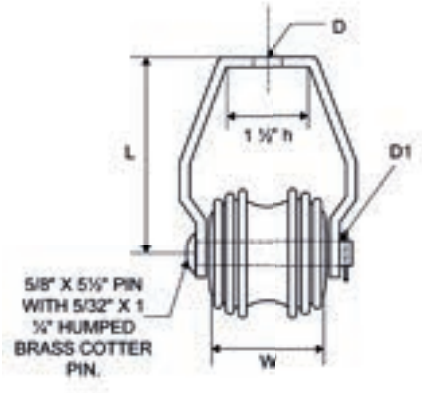
CLEVISES

Standards:
ASTM A153
A1059 & AG3000

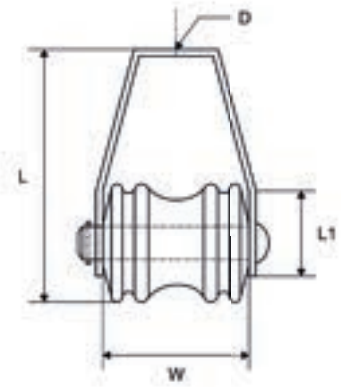
Sicame insulated spool type clevises provide an economical, convenient, mechanically strong and electrically efficient fixture.
Mounting bolts are extra and should be ordered separately.
Operating voltages listed are based on average conditions and will serve only as a guide. Local requirements and climates must govern final selection of the clevis.
Most clevises are available iron only or assembled with a porcelain or polymer spool upon request.
They are available hot dip galvanized as per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 &AG3000.

K9104 is recommended especially for 4000 volt primaries. The offset sides offer increased flash-over resistance over the ordinary straight sides at the pin end. Used principally for corner or dead end attachments provides excellent flash-over values
K9102 provides excellent flash-over values. Recommended for circuits up to 2400 volts
K9101-5/8 provides excellent flash-over values. Recommended for circuits up to 750 volts. Provides sufficient conductor clearance for low voltage lines.
Strain Clevis type 8 is an efficient and economical Dead Ending Unit conforming to the latest revision ANSI specification

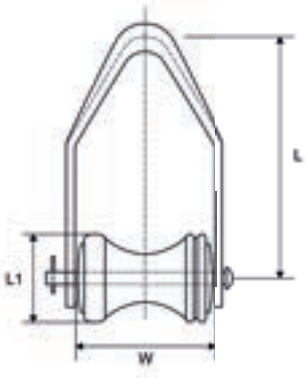
*INSULATOR AVAILABLE AS POLYMER OR PORCELAIN SPOOL.
K9107(P) Sicame Clevis is a standard secondary clevis, fits into 2" channel secondary brackets and clearance brackets for locking. Sicame clevis is standard at 5" clearance. K9088(P) clevis is the same as K9107 but
heavier with 2" channel can mount on standard end or side of pole, facilitating low tension stringing.



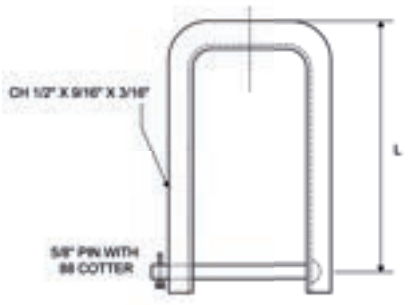
Type 1



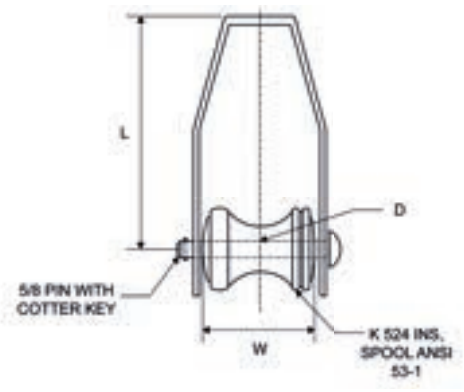
Type 2



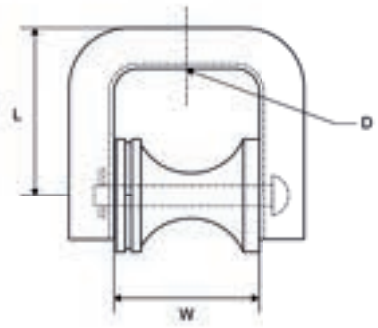
Type 3



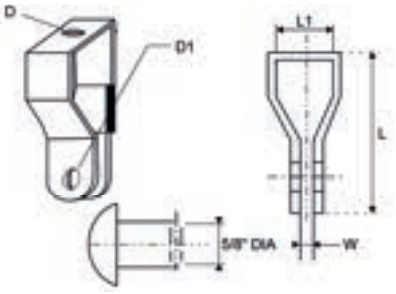
Type 4



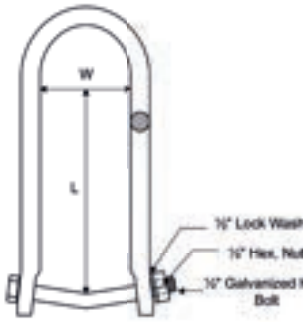
Type 5



Type 6



Type 7



Type 8

Ref.	L (in)	L1 (in)	W (in)	D (in)	D1 (in)	Use	Material	Config
K9254	5-3/8	-	4-3/8	11/16	11/16	Clevis, iron only	-	Type 1
K9104	5-3/8	-	4-3/8	11/16	11/16	Clevis with 524 insulator spool	-	Type 1
K9252	5	2-1/2	3-1/4	11/16	-	Extension clevis, iron only	-	Type 2
K9102	5	2-1/2	3-1/4	11/16	-	Extension clevis with 526 insulator spool	-	Type 2
K9259	5	3-1/8	3-3/8	-	-	Clevis, iron only	-	Type 3
K9109	5	3-1/8	3-3/8	-	-	Clevis with 516 insulator spool	-	Type 3
K9291	9	-	-	-	-	Cevis, iron only	CH 1-1/2 X 9/16 X 3/16	Type 4
K9087	9	-	-	-	-	Clevis with 516 spool	CH 1-1/2 X 9/16 X 3/16	Type 4
K9101-5/8	4	-	2-1/4	11/16	-	Clevis with a 524 spool and K9251 insulator.	-	Type 5
K9088	4-3/4	-	3-1/4	11/16 x 7/8	-	Clevis with K-516 spool	3/16 X 1 X 2	Type 6
K9257	4-3/4	-	3-1/4	11/16 x 7/8	-	Iron only	3/16 X 1 X 2	Type 6
K9107	5	-	3-1/4	11/16 x 7/8	-	Clevis with K-516 spool	1/8 X 1/2 X 1-1/2	Type 6
K9116	5	-	3-1/4	11/16 x 7/8	-	Clevis with K-522 spool	1/8 X 1/2 X 1-1/2	Type 6
K9288	5	-	3-1/4	11/16 x 7/8	-	Iron only	1/8 X 1/2 X 1-1/2	Type 6
K4450	4-1/4	1-3/8	5/8	11/16	11/16	Deadending clevis without spool	-	Type 7
K4450SP	4-1/4	1-3/8	5/8	11/16	11/16	Deadending clevis without spool	K4450 W/ 13/16 MTG HOLE	Type 7
K4547	4-1/4	1-3/8	5/8	11/16	11/16	Deadending clevis without spool	SAME AS K4450 EXCEPT HD STEEL,LESS PIN	Type 7
K9155	3	-	2	-	-	Strain Clevis	Round 1/2	Type 8
K9158	3-1/2	-	2-1/4	-	-	Strain Clevis	Round 1/2	Type 8
K9164	4-1/2	-	2-1/2	-	-	Strain Clevis	Round 1/2	Type 8
K9165	5	-	2-1/2	-	-	Strain Clevis	Round 1/2	Type 8

Custom : To request Armorgalv® finish add "TDG" to the end the of part number

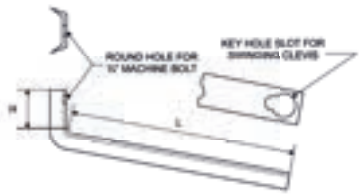
CLEV_BR

CLEVIS BRACKET

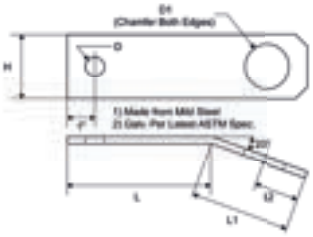
Standards:
ASTM A153

The clevis extension bracket can be used to add a clevis spool to a pole or cross arm. It is attached with two 5/8" bolts.
It is available hot dip galvanized per ASTM A153.
Order spools seperately.

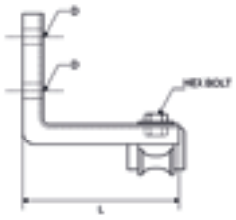
K8348 is used to provide added clearance from pole face where required. "Key-hole" slot will accommodate K9109, K9110, K9111, K9148, K9149, and K9259 Clevises.



Type 1



Type 2



Type 3

Ref.	L (in)	L1 (in)	L2 (in)	H (in)	Ø (in)	Ø1 (in)	Use	Material	Config
K8348	14	-	-	2-1/2	-	-	Extension Bracket for K9109	-	Type 1
K8300	5	4	1-5/8	2-1/2	13/16	1-5/8	Plate, service attachment	1/4 steel plate	Type 2
K8300SPP	6 7/8	3-5/8	1-5/8	2-1/2	13/16	1 5/8	Plate, service attachment	1/4 steel plate	Type 2
K8245	15	-	-	-	11/16	-	Clevis bracket - assemble with 1 EA heavy duty channel clevis	CH 3 x 1-1/2 x 1/4	Type 3

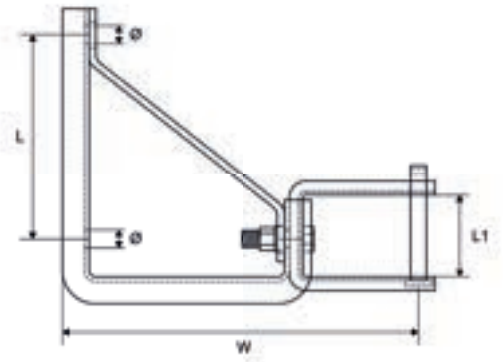
Custom:To request Armorgalv® finish add "TDG" to the end the of part number

SS_BR

SINGLE SPOOL BRACKET

Standards:
ASTM A153

The single spool clevis bracket can be used to add a clevis(K9257) to a pole or cross arm.
It provides 14" clearance from the base. It is attached with two 5/8" bolts.
It is available hot dip galvanized per ASTM A153.
Order spools seperately.



Ref.	L (in)	L1 (in)	W (in)	Ø (in)
K8242	8	3 1/4	14	11/16

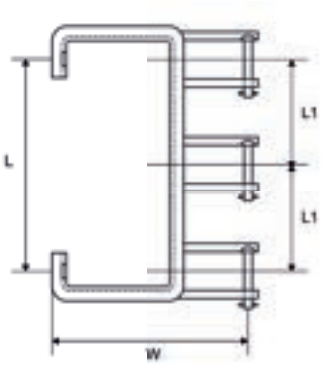
SR

SECONDARY RACKS

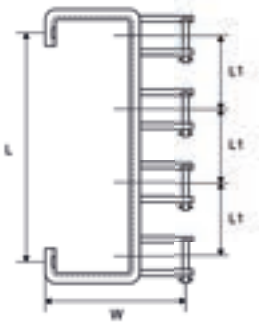
Standards:
ASTM A153

The standard Sicame secondary racks are made of heavy-duty channel and provide 14" of clearance with 8" of spacing.
They are available in two, three, and four spool sizes, with the ability to add on an extra spool with the K8381.
Also available with different clearance and spacing distances upon request.
Available to be shipped with Spools if requested (K4528A, K4529A).

The K8348 provides additional clearance for K9109 clevis.
K8423 Clevis Insulator standoff bracket creates standoff distance for various swinging clevis attachments.
The K8245 comes with a spool type insulator assembled. Other clevis spacings and general variations are available; please inquire for more information.
They are available hot dip galvanized per ASTM A153.



Three spool type



Four spool type

Ref.	L (in)	L1 (in)	W (in)	Configuration
K4529	16	8	14	3- Wire, 8 inch second rack / 3-Wire, 10 inch available
K4528	24	8	14	4- Wire, 8 inch second rack / 4-Wire, 10 inch available

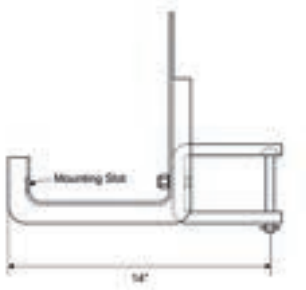
Options:The extension racks are made from 3/16" x 2" channel to provide strength for a 14" extension from the pole face to the insulator center line. Use K516 or K517 insulators.

SREB

SECONDARY RACK EXTENSION BRACKET

Standards:
ASTM A153

The secondary rack extension bracket can be used to add an extra spool to Kotick's standard racks.
The top portion of the extension mates with the lowest clevis on the rack to provide 8" spacing.
The lower portion of the extension is bolted to the pole with a 5/8" bolt.
It is available hot dip galvanized per ASTM A153.

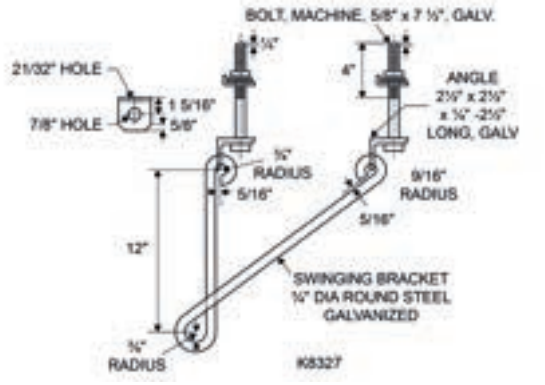


Ref.	W (in)	Thread	Configuration
K8381	14	K516 additional insulator not included	Extension Bracket for K4528, K4529, K8272, K9273

SWR

SWINGING RACKS

Swinging rack is used to support conductor on small angle applications with a 12" clearance. Attaches to pole with two 5/8 bolts.



Ref.	L (in)
K8327	12

05

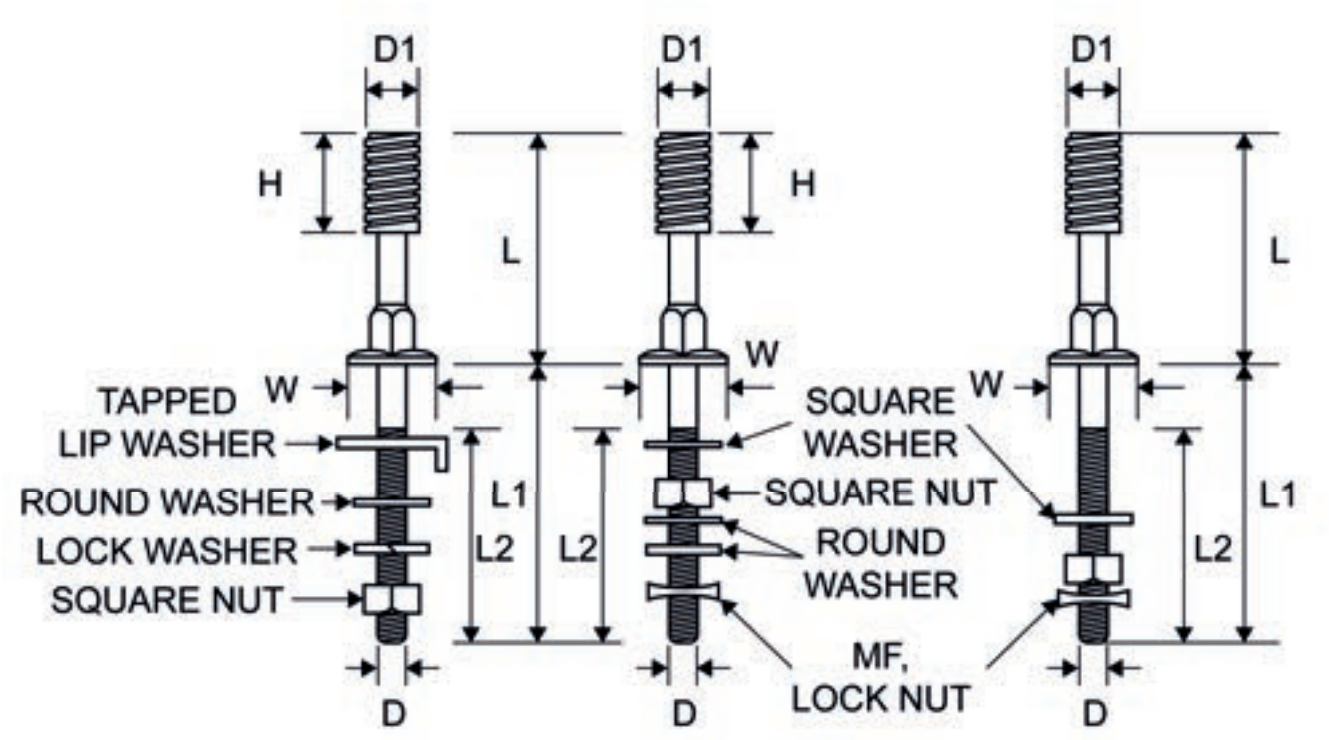
Insulator pins & studs

DIP

DISTRIBUTION INSULATOR PINS

Standards:
IEEE C135.90

Sicame forges Insulator Pins from one piece, high carbon steel.
The base distributes load and provides a firm seat on the cross arm.
A square shoulder provides a wrench grip to assist in tightening the pin and when lining up the insulator groove.
Sicame pins meet latest revision IEEE C135.90



Type 1 Type 2 Type 3

Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	D (in)	D1 (in)	Config
K7791Z	5	6-1/2	4	2	1-3/4	5/8	1	Type 1
K7792Z	7	7-1/2	4	2	1-3/4	3/4	1	Type 1
K7792Z	7	7-1/2	4	2	1-3/4	3/4	1-3/8	Type 1
K7796Z	5	7-1/2	4	2-1/2	1-3/4	3/4	1	Type 1
K7793Z	7	7-1/2	4	2-1/2	1-3/4	3/4	1-3/8	Type 1
K7770Z	5	7-1/2	4	2	1-3/4	5/8	1	Type 2
K7104Z	5	6-1/2	4	2	1-3/4	5/8	1	Type 3
K7105Z	5	6-1/2	4	2	1-3/4	5/8	1	Type 3
K7106Z	5	7-1/2	4	2	1-3/4	5/8	1	Type 3
K1008Z	6	6-1/2	4	2	1-3/4	5/8	1	Type 3

Custom

**Custom dimensions are available. Please inquire.*

***Pins available in both Nylon and Lead Thread. To specify lead remove the "Z" from the part number.*

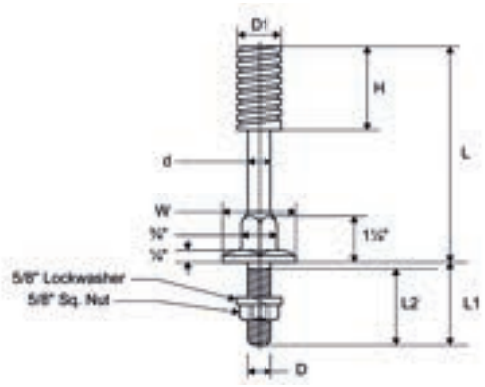
DISP

sicame GROUP

DISTRIBUTION INSULATOR SHORT PINS

Standards:
IEEE C135.90

Short shank pins come with a square nut and a lock washer.
Pins available in both nylon and lead threads.
To specify lead remove the "Z" from the part number.



Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	D (in)	D1 (in)	d (in)	Configuration
K7122Z	5	1-3/4	1-1/2	2	1-3/4	5/8	1	11/16	Short Shank
K7795Z	7	1-1/2	1-1/4	2	1-3/4	3/4	1	11/16	Short Shank
K7794Z	7	1-1/2	1-1/4	2	1-3/4	3/4	1-3/8	11/16	Short Shank

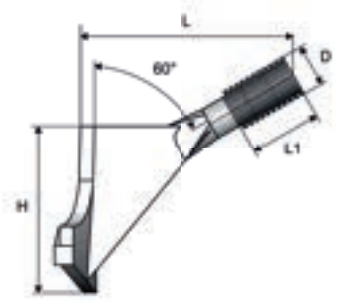
ICP

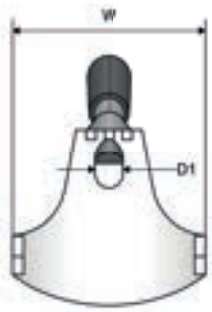
sicame GROUP

INSULATOR CORNER PIN

Standards:
IEEE C135.90
ASTM A153
A1059 & AG3000.

Sicame's angled corner pin provides a 60° mounting angle.
It is usually mounted with 5/8 x 7 MA bolt throught the crossarm (Order seperately).
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Pins available with both nylon and lead threads.





Ref.	L (in)	L1 (in)	W (in)	H (in)	D (in)	D1 (in)	Material
K7140TDG	5-1/4	1-3/4	4-1/2	4	1	11/16	TDG finish with nylon threads
K7140	5-1/4	1-3/4	4-1/2	4	1	11/16	HDG finish with lead threads

Custom

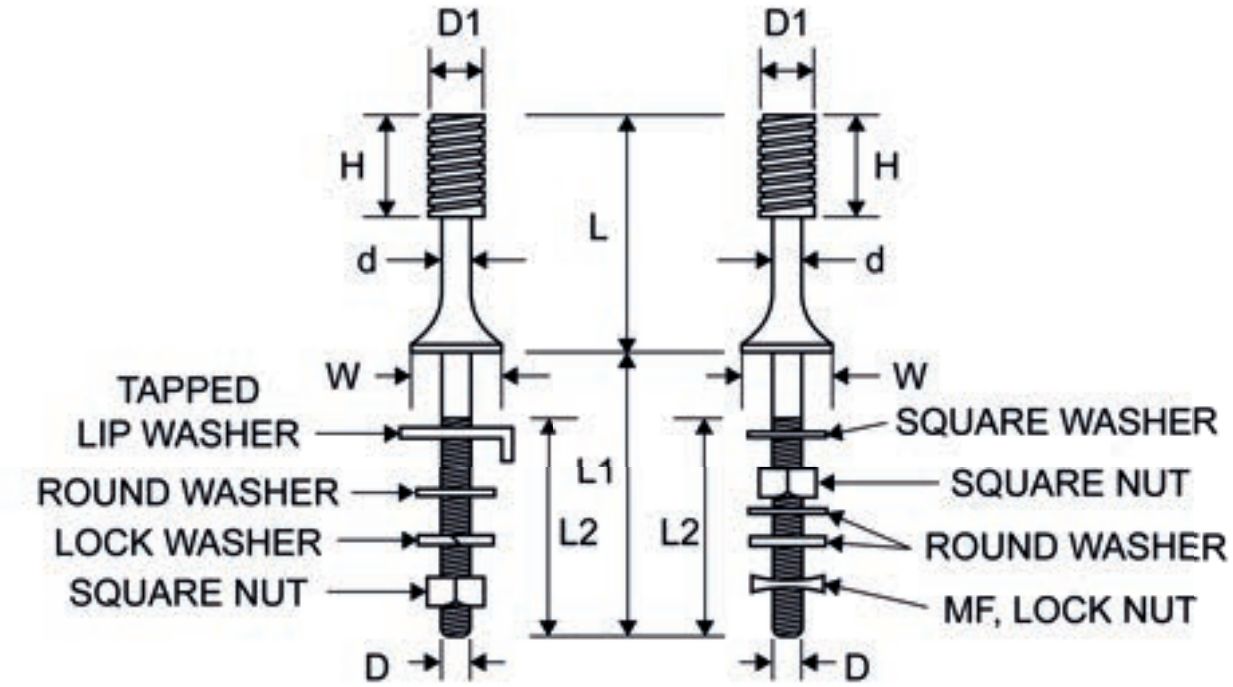
To request Armorgalv® finish add "TDG" to the end the of part number

TIP

TRANSMISSION INSULATOR PINS

Standards:
IEEE C135.90

Sicame forges Insulator Pins from one piece, high carbon steel.
The large diameter base distributes strain and provides a firm seat on the cross arm.
Available with nylon or lead threads. To specify lead remove the “Z” from the part number.
The transmission series has a tapered body for strength.
Sicame pins meet latest revision IEEE C135.90.



Type 1 Type 2

Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	D (in)	D1 (in)	d (in)	Thread	Config
K7784Z	13	8-1/2	4	3-1/2	1-3/4	3/4	1-3/8	1-1/8	Nylon or Lead thread	Type 1
K7770Z	5	7-1/2	4	2	1-3/4	5/8	1	1	Nylon or Lead thread	Type 2
K7774Z	7	7-1/2	4	3	1-3/4	5/8	1-3/8	1	Nylon or Lead thread	Type 2
K7774-8 1/2Z	7	8-1/2	4	3	1-3/4	5/8	1-3/8	1	Nylon or Lead thread	Type 2

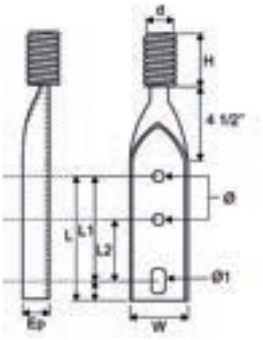
**Custom dimensions are available. Please inquire.*

PTP

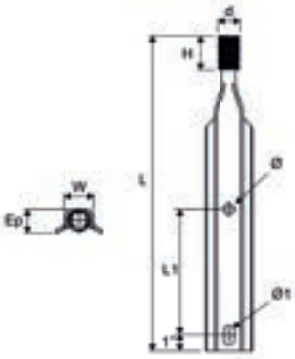
POLE TOP PINS

Standards:
IEEE C135.90

The Sicame Pole top Pin are available in steel channel, straight or angle.
Some of them are formed from a single pipe for maximum strength.
All are with 1" or 1-3/8 nylon thread.
All Sicame Pole top Pin are available in custom sizes, Please inquire.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



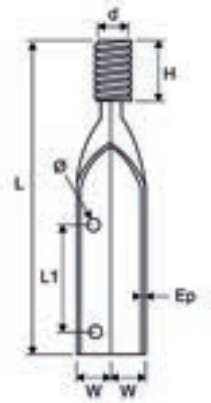
Type 1



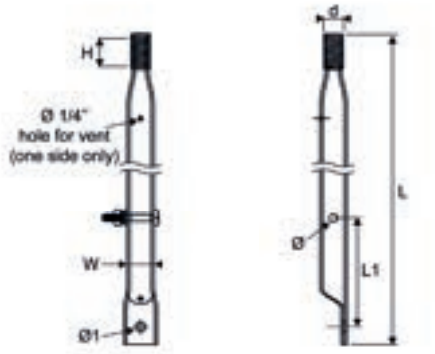
Type 2



Type 3



Type 4



Type 5

Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	Ø (in)	Ø1 (in)	d (in)	n	EP (in)	Weight (lbs)	Configuration
K8076	15	5	-	1-7/8	1-3/4	11/16	1-1/4 x 11/16	1	2	1-5/16	2.84	Type 1 - Pressed steel channel
K8079	18	8	5	1-7/8	1-3/4	11/16	1-1/4 x 11/16	1	3	1-5/16	3.40	Type 2 - Pressed steel channel, Flared base
K8083	24	8	6	1-7/8	1-3/4	11/16	1-1/4 x 11/16	1	3	1-5/8	6.20	Type 1 - Pressed steel channel
K8086	20	8	-	1-7/8	2-1/8	11/16	1-1/4 x 11/16	1-3/8	2	1-1/2	4.53	Type 2 - Pressed steel channel, Flared base
K8105	24	8	-	1 3/4 - 5/8	-	-	-	1-3/8	2	1/8	7.20	Type 3 - Straight channel
K8107	24	8	-	2	1-3/4	11/16	-	1	2	3/16	5.50	Type 4 - Straight angle
K8124	28	8	-	1-1/2	1-3/4	9/16	11/16	1-3/8	2	-	10.35	Type 5 - Extra strong pipe
K7788	22	*	-	1-1/2	1-3/4	9/16	11/16	1-3/8		-	-	Type 5 - Extra strong pipe

Custom.To request Armorgalv® finish add "TDG" to the end the of part number

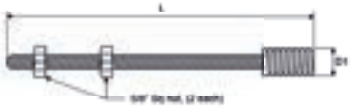
* CUSTOM DIMENSIONS

ISB

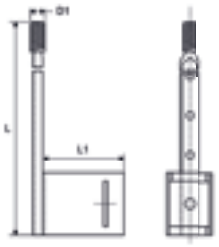
INSULATOR STANDOFF BRACKETS

Standards:
IEEE C135.90

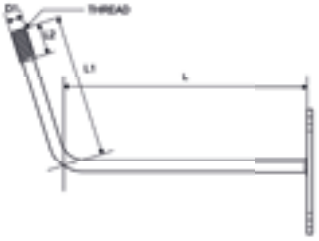
The Sicame insulator standoff brackets also called the jumper bracket are used to provide clearence from the pole.
Available perpendicular, parallel or at a 45° angle from the pole.
Thread can be nylon or lead.



Type 1



Type 2



Type 3

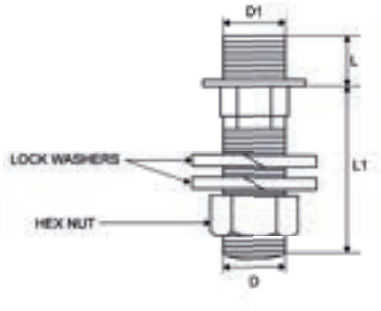
Ref.	L (in)	L1 (in)	L2 (in)	D1 (in)	Thread	Config
K8321Z	30	-	-	1	Nylon or lead thread	Type 1 - Perpendicular
K8323Z	28	-	-	1-3/8	Nylon or lead thread	Type 1 - Perpendicular
K8619	18	-	-	1	Nylon or lead thread	Type 1 - Perpendicular
K4587	24	6-3/4	-	1-3/8	1 3/8" lead thread with thimble adapter K023	Type 2 - Parallel
K4587-1	24	6-3/4	-	1	Lead thread	Type 2 - Parallel
K8374	14-3/4	8-1/4	1-3/4	1	-	Type 3 - at 45° angle
K8380	14-3/4	8-1/4	2-3/8	1-3/8	-	Type 3 - at 45° angle

IS

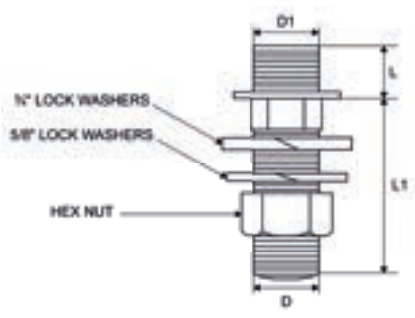
INSULATOR STUDS

Standards:
IEEE C135.90
ASTM specifications

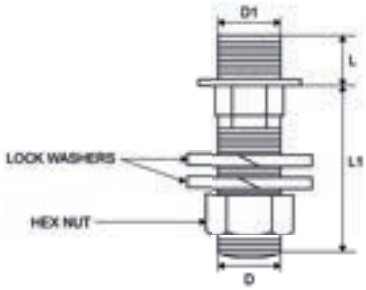
Sicame insulator studs are used to mount post insulators. Please refer to the drawings for the varying shank diameters and lengths.
Studs fabricated from A36 carbon steel, hot dipped galvanized, and threaded to ASTM specifications.
All Sicame stud types are available in custom sizes and assemblies. Please inquire for more details and custom assemblies.



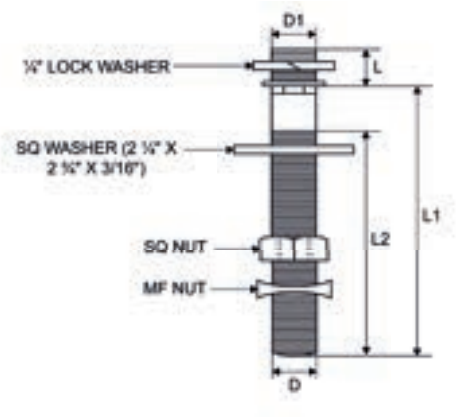
Type 1



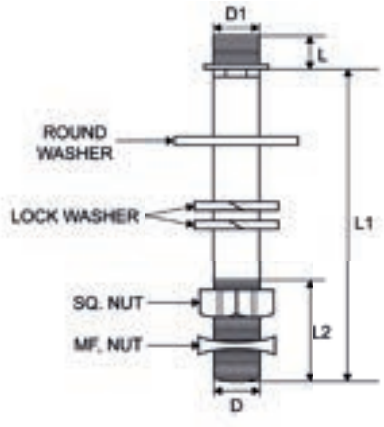
Type 2



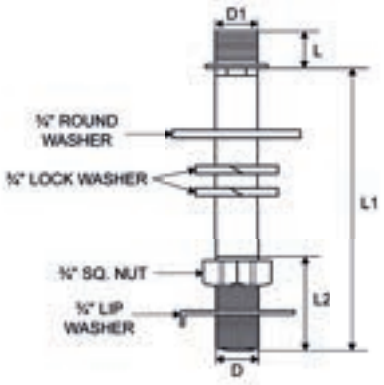
Type 3



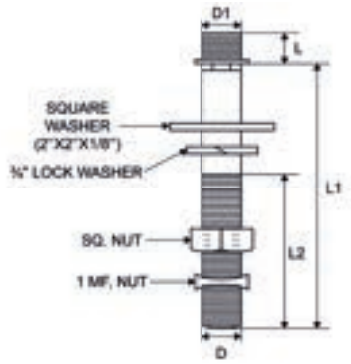
Type 4



Type 5



Type 6



Type 7

Ref.	L (in)	L1 (in)	L2 (in)	D (in)	D1 (in)	Use	Material	Configuration
K8366	1-1/8	1-3/4	-	3/4	3/4	Post insulator stud 3/4 x 1 3/4	A36	Type 1
K8364	1-1/8	1-3/4	-	3/4	5/8	Post insulator stud 5/8 x 1 3/4	A36	Type 2
K8366SPL	1-1/8	2-1/2	-	3/4	3/4	Post insulator stud 3/4 x 2 1/2	A36	Type 3
K8365SPL	1-1/8	7-1/2	4	3/4	3/4	Post insulator stud 3/4 x 7 1/2	A36	Type 4
K8365-9	1-1/8	9	5	3/4	3/4	Post insulator stud 3/4 x 9	A36	Type 5
K8365	1-1/8	7-1/2	3-1/2	3/4	3/4	Post insulator stud 3/4 x 7 1/2	A36	Type 6
K8530	1-1/8	7-1/2	4	3/4	5/8	Post insulator stud 5/8 x 7 1/2	A36	Type 7

Custom

To request Armorgalv® finish add "TDG" to the end the of part number



06

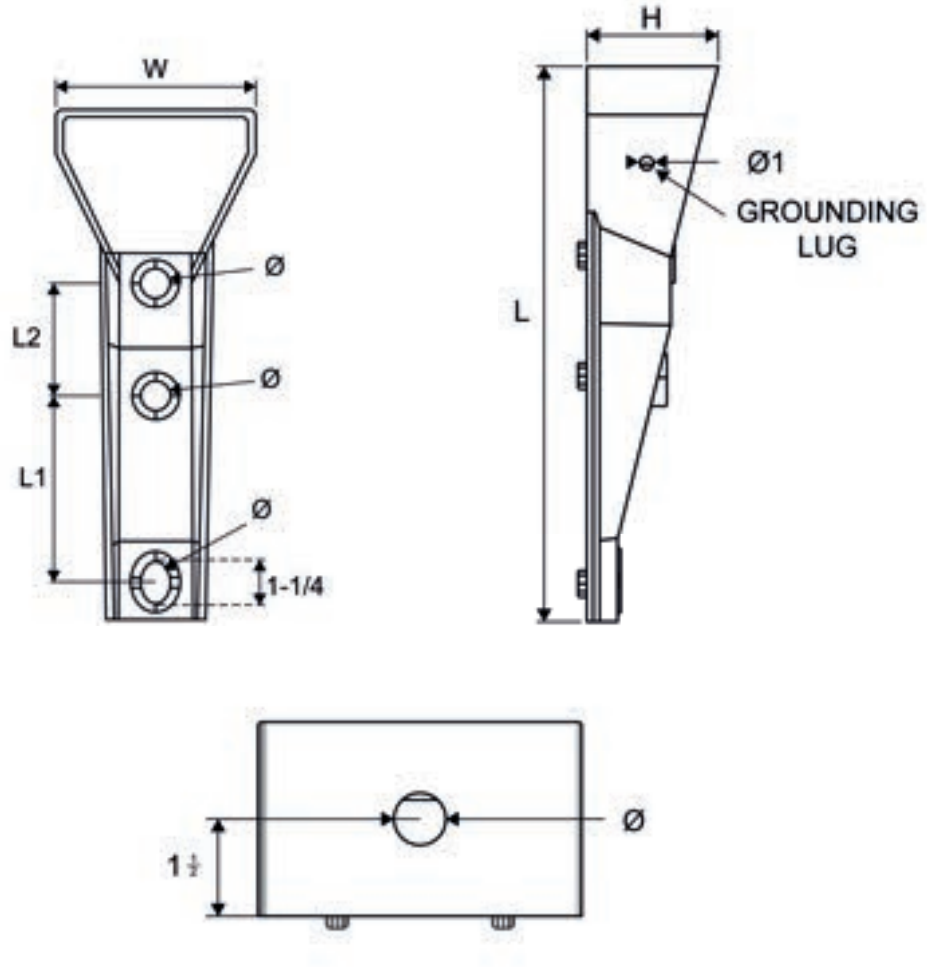
Insulator brackets

PIB

POST INSULATOR BRACKETS

Vertical post insulator bracket for 35kv or 69kv.
They are available hot dip galvanized per ASTM A153 or thermal diffusion galvanized per A1059 & AG3000.





Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	Ø (in)	Ø1 (in)	Use	Material
K8257TDG	13-7/8	5	3	5-1/4	3-1/8	13/16	3/8	35 kV	Thermal diffusion galvanized finish
K8257-69	13-7/8	5	3	5-1/4	3-1/8	13/16	3/8	69 kV	Hot-dip galvanized finish
K8257	13-7/8	5	3	5-1/4	3-1/8	13/16	3/8	35 kV	Hot-dip galvanized finish

Custom

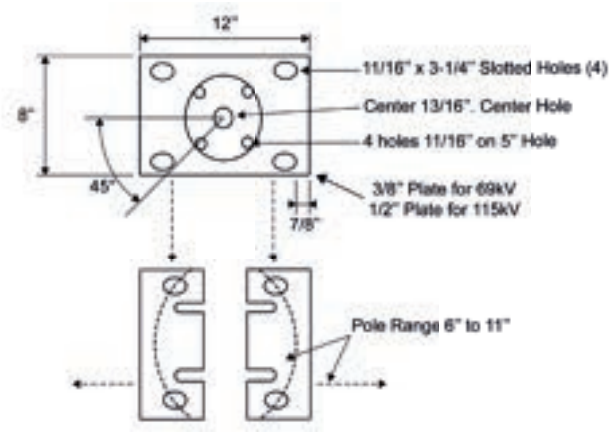
To request Armorgalv® finish add "TDG" to the end the of part number

IPTB

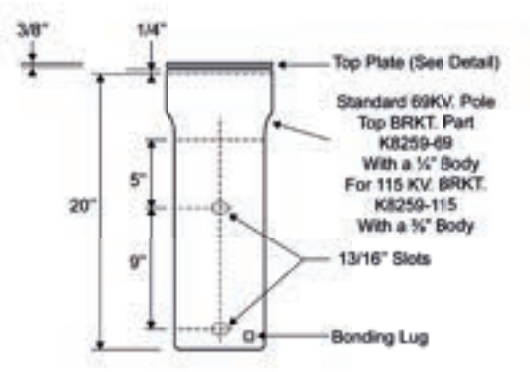
INSULATOR POLE TOP BRACKETS

Standards:
ASTM A153
A1059 & AG3000.

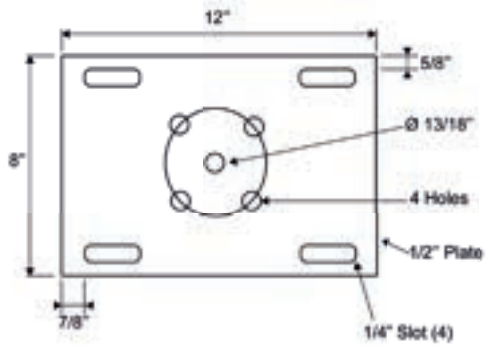
A complete pole top Bracket consists of a top plate and a mounting bracket for a 69kv or 115kv insulator and provides strength and flexible design.
The top plate and mounting bracket may be made up in any special combination of the two parts.
The standard 69kv includes a 69kv bracket body and a pole top plate (K8259PL-69), plus assembly bolts and bonding material per the drawing.
The standard 115kv part #K8259- 115 includes the 115kv bracket body and pole top plate part # K825PL-115, plus assembly bolts and bonding material per the drawing.
Special 115kv top plate part # K8259PL-115SPL is available for a larger sized pole top up to a class H6 pole, per the drawing.
They are available hot dip galvanized per ASTM A153 or thermal diffusion galvanized per A1059 & AG3000.



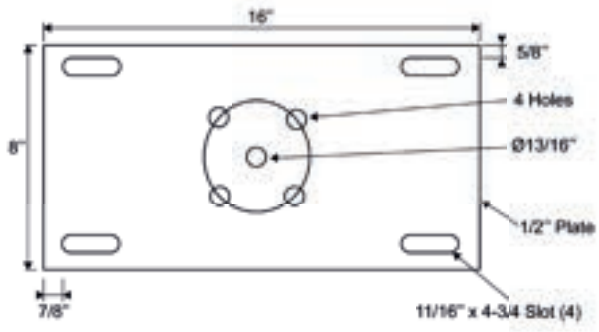
Top view



Side view



K8259PL-115 : 115 KV
Standard plate



K8259PL-115SPL : 115 KV
Special pole top plate

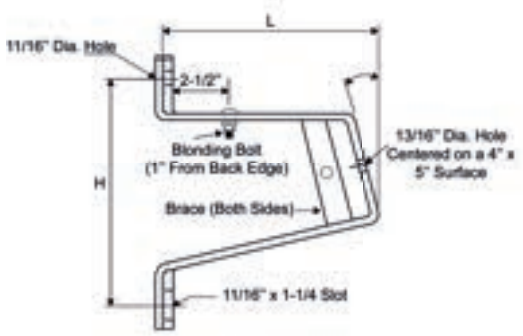
Ref.	Use	Configuration
K8259-69	69 kV	bracket body + pole top plate + assembly bolts + bonding material
K8259-115	115 kV	bracket body + pole top plate part + assembly bolts + bonding material
K8259PL-115SPL	115 kV	Special top plate for a larger sized ANSI Class 4 to H6 Pole Top w/6" to 13"D

Custom:To request Armorgalv® finish add "TDG" to the end the of part number

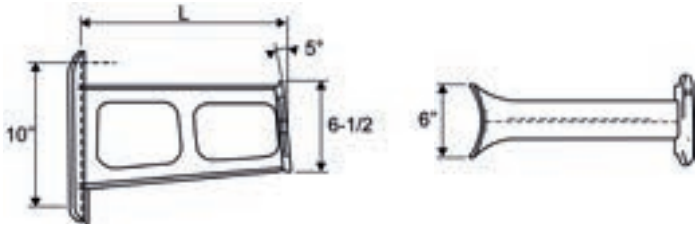
HIB

HORIZONTAL INSULATOR BRACKETS

The K8360/K8371 and KBR10006 are for use with line post insulators in distribution or transmission to increase conductor clearance or give added climbing space.
Pole end of bracket curved to fit a wood pole.
Custom variations are available; please inquire for further detail. The KBR10006 is designed for 69kv lines. Available hot dip galvanized.



Type 1



Type 2

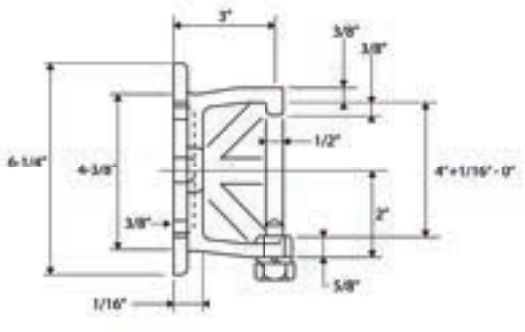
Ref.	L (in)	H (in)	Use	Configuration	Type
K8360	9	10	HORIZ BRACKET, POST INS, 15° - 9"	No brace	Type1
K8371	20	12	HORIZ BRACKET, POST INS, 12° - 20"	Brace	Type 1
KBR10006	14	-	HORIZ BRACKET, POST INS, 5° - 14"	Brace	Type 2
KBR10006-9	9	-	HORIZ BRACKET, POST INS, 5° - 9"	Brace	Type 2

CCA

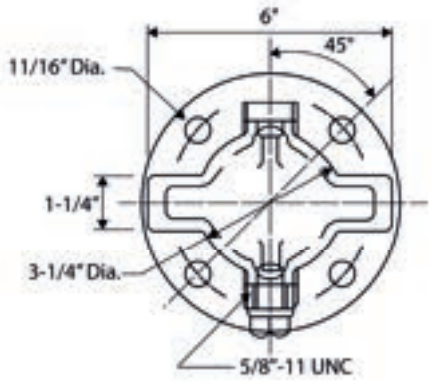
CONDUCTOR CLAMP ADAPTER

Standards:
ASTM A153
A1059 & AG3000.

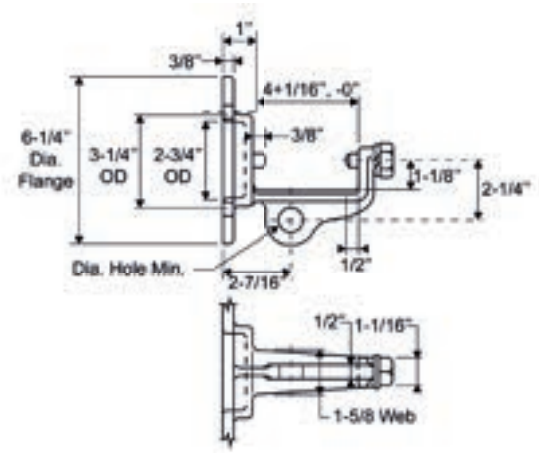
Conductor clamps are used for mounting ceramic line post insulators.
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



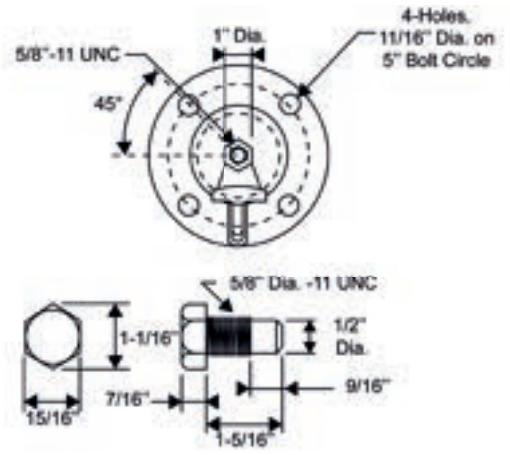
KM182386



KM182386



KM182387



KM182387

Ref.	Configuration
KM182386	Vertical
KM182387	Horizontal

Custom

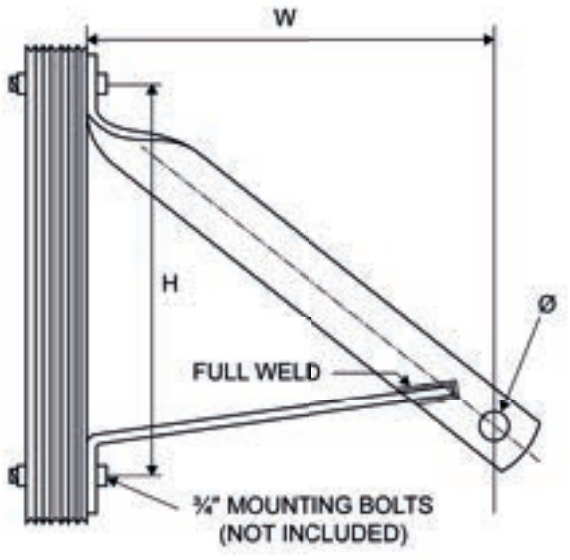
To request Armorgalv® finish add "TDG" to the end the of part number

VEB

sicame GROUP

VERTICAL EXTENSION BRACKETS

Sicame vertical extension bracket are designed for hanging insulator strings



Ref.	W (in)	H (in)	Ø (in)	Material
K8388	20	20	1-1/2	Hot dip galvanized finish

Your CAD to design distribution electrical lines online

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In Sicad you can :

- Create a trace of the line using different online maps or topographic base
- Arrange equipped poles
- Connect service branches in two clicks
- Perform electrical and mechanical calculations (currents,loads, losses, voltage levels, sags, tensions, etc.)
- Generate specifications (bill of material, by pole specification, conductors, etc)
- Evaluate the budget for materials procurement
- Manage and customize database of solutions according to needs

- **Systematize and standardize the process of designing distribution lines**
- **Facilitate the different steps (accounting materials, obtaining drawings, providing electrical calculations, etc)**
- **Reduce time for designing**
- **Get results in editable files:**
  - Download drawings of used nodes in PDF format and/or in editable format DWG
  - Get drawings of a line trace in PDF
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sicad
POWERLINE DESIGNING

07

Brackets

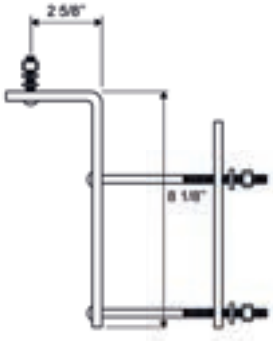
- Cutout & arrestor brackets
- End of arms brackets
- Transformer brackets

C&A_B

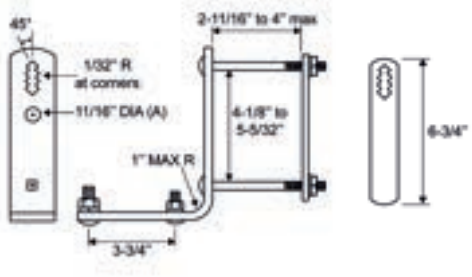
CUTOUT & ARRESTOR BRACKETS

Standards:
ASTM A153
A1059 & AG3000.

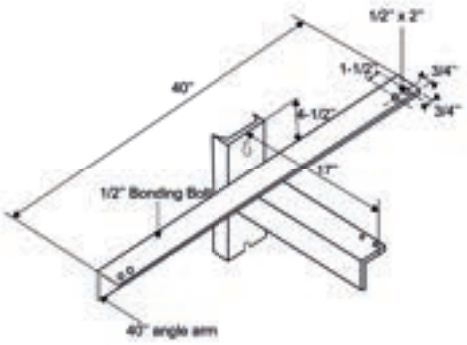
Sicame Cutout Mounting Brackets and Cutout/Arrester Combo Brackets are customizable to varying hardware assemblies, strength requirements, and cross arm dimensions,
K8440, K8377 and K8379 are the Sicame Standard designs.
The K8363 mounts a cutout, arrestor, or termination while providing 20" of clearance from pole.
The K8361-1 mounts three cutouts, arresters, or terminations. (Adapter plates available to mount three each-cutouts and arresters).
They are available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
Please inquire for further information.



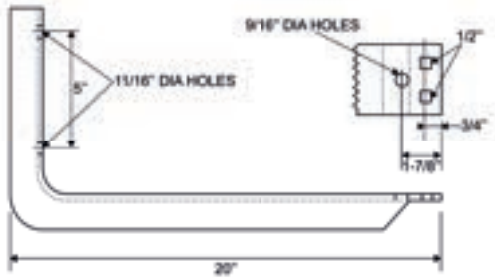
K8379



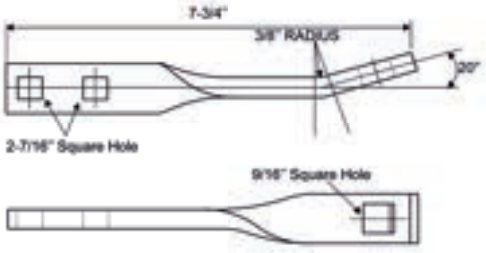
K8440



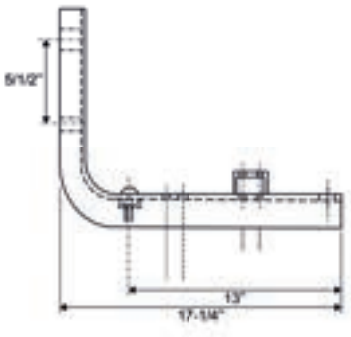
K8353



K8363



K8377



K8361-1

Ref.	Use	Configuration
K8379	Arrester or Cutout Bracket for mounting on crossarms or poles. Will fit cross-sarms up to 3-¾" x 4-¾".Complete with bolts and washers.3/8" x 1-3/4" Steel	Bracket, cutout/arrester MTG
K8353	3 pos arresters with 17" clearance from pole. Mounting slot for 5/8" bolts on 10" centers	Bracket, trimount, arrester
K8361-1	3 pos arresters with 17" clearance from pole. Mounting slot 5-1/2" centers	Bracket, trimount
K8363	Used to mount one (1) or two (2) cutouts to the pole where greater clear-ance is desired. Unit mounts with two (2) 5/8" machine bolts	Bracket, cutout mounting
K8377	Assemble each unit with 2ea:• 3/8 x 1-½ Carriage bolts• 3/8" Lockwashers	Bracket, cutout attachment
K8440	K8440 Arrester or Cutout Bracket for mounting on crossarms or poles. Will fit crossarms up to 4" to 5-5/32". Complete with bolts and washers.	Bracket, cutout mounting

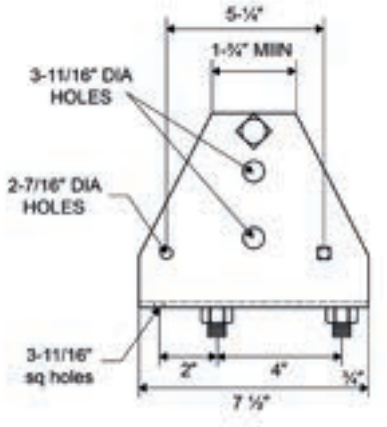
Custom:To request Armorgalv® finish add "TDG" to the end the of part number

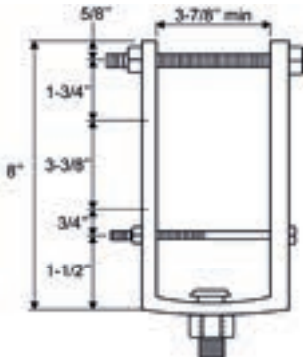


EATB

END ARM TAKEOFF BRACKET

Adapter, end of arm takeoff



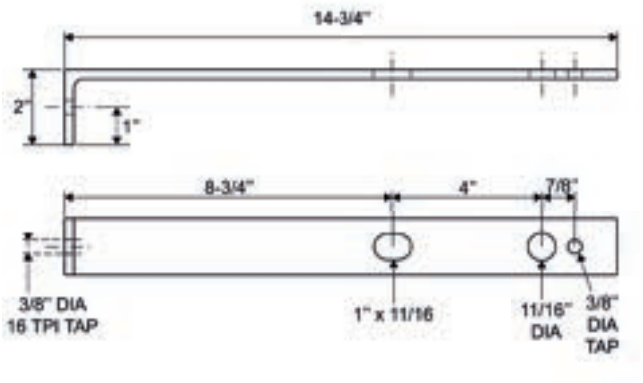


Ref.	W (in)	H (in)	Material
K8514	7-1/2	8	Hot dip galvanized finish

EACB

END ARM CLEARANCE BRACKETS

Sicame end arm clearance braket provides additional clearance from the cross arm when required for jumpers or other equipment.
Available hot dip galvanized per ASTM A153 or thermal diffusion galvanized per A1059 & AG3000.



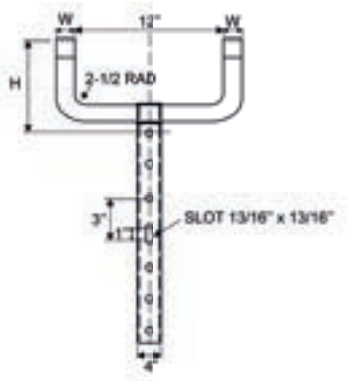
Ref.	L (in)	L1 (in)	L2 (in)	H (in)	Ø (in)	Ø1 (in)	Material
K8555	14-3/4	8-3/4	4	2	11/16	3/8	Hot-dip galvanized finish
K8555TDG	14-3/4	8-3/4	4	2	11/16	3/8	Thermal-diffusion galvanized finish

1MTB

TRANSFORMER BRACKETS SINGLE MOUNTING

Standards:
NEMA
ASTM A153

Sicame Transformer Brackets conform to NEMA standard.
K6300 and K6303 are single transformer hook brackets.
Available hot dip galvanized per ASTM A153.





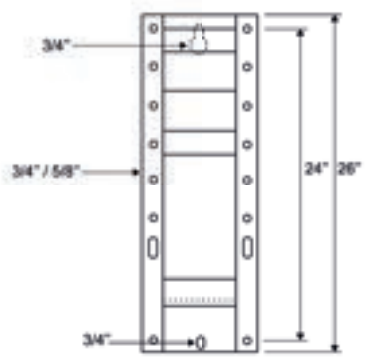
Ref.	L (in)	L1 (in)	W (in)	H (in)
K6300	27-3/4	5-3/4	1-1/2	6-3/4
K6303	41-3/4	6-3/4	2-1/2	10-3/4

2MTB

TRANSFORMER BRACKET, TWO MOUNTING

Standards:
ASTM A153
A1059 & AG3000.

Sicame transformer mounting bracket has positions for one or two tranformers.
The transformer bracket is attached directly to the pole with ¾" bolts. Two transformers can be mounted on the unit in "Open Delta" or "Parallel".
It is fabricated from A36 steel and available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000





Ref.	L (in)	W (in)
K8350	4	5
K8351	6-1/4	8-1/2

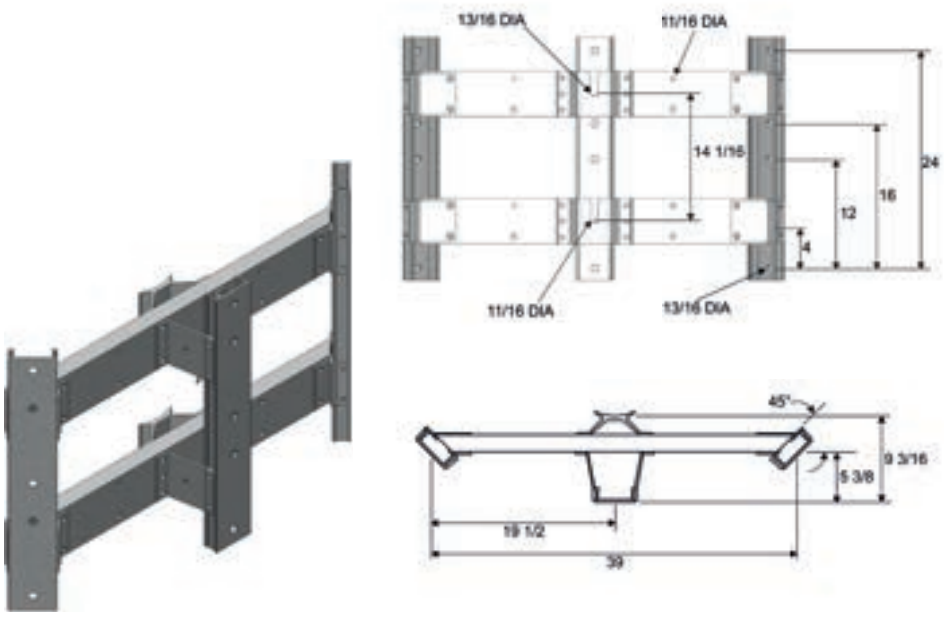
Custom:To request Armorgalv® finish add "TDG" to the end the of part number

3MTB

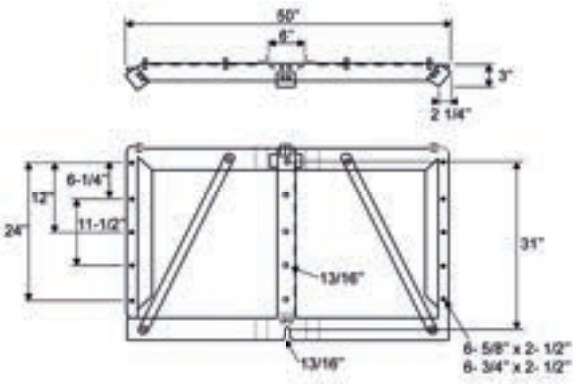
TRANSFORMER BRACKETS, THREE MOUNTING

Standards:
A36

Sicame transformer mounting bracket has positions for one, two or three transformers.
KM180133 is fabricated out of aluminum.
KBR10120 is fabricated from A36 steel and galvanized; with an ultimate load rating of 4000 lbs per position or 11,000lb ultimate.



KM180133



KBR10120

Ref.	Material
KM180133	Plain aluminum finish
KBR10120	Hot dip galvanized finish

08

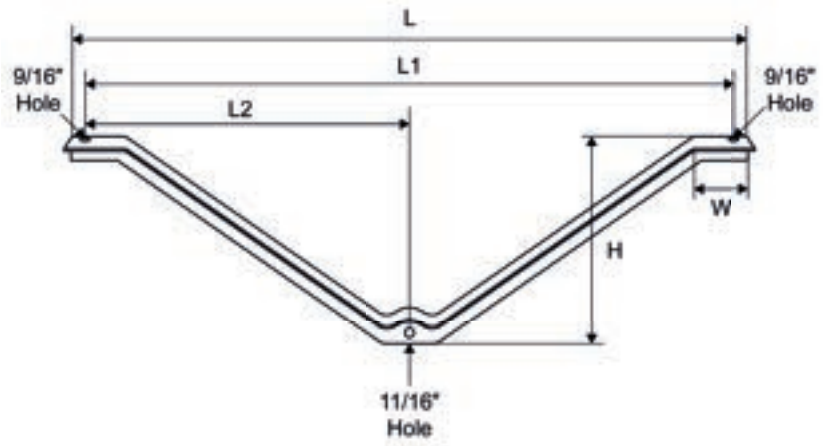
Braces

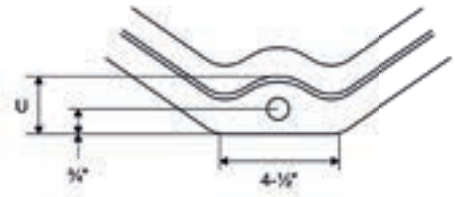
VSCAB

V STYLE CROSSARM BRACES

Standards:
IEEE C135.90
ASTM 153
ANSI specs

Sicame “V” cross arm braces are installed where conditions require more then flat brace construction.
Braces are fastened to the pole with a 5/8-inch cross arm bolts, and to the cross arm with two ½-inch cross arm bolts or lag screws. Add "SP" for slot instead of round role.
Mounting Bolts and Lags screws are extra and should be ordered separately.
Hot formed from one piece of steel angle iron, and hot dip galvanized per ASTM 123.
Braces conform with current revision of ANSI specs.





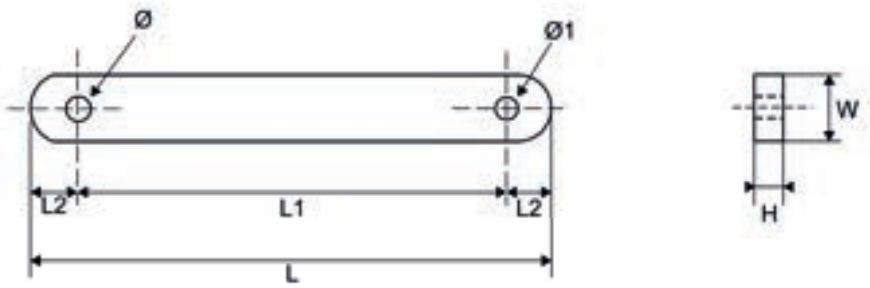
Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	U (in)	Material
K1811	40	37	18-1/2	4	12	2-1/4	1-1/2x1-1/2x3/16
K1812	45	42	21	4	12	2-1/4	1-1/2x1-1/2x3/16
K1813	51	48	24	4	14	2-1/4	1-1/2x1-1/2x3/16
K1813 1/2	51	48	24	4	14-3/4	2-1/4	1-1/2x1-1/2x3/16
K1814	51	48	24	4	18	2-1/4	1-1/2x1-1/2x3/16
K1815	63	60	30	4	18	2-1/4	1-1/2x1-1/2x3/16
K1818	63	60	30	4	18	2-1/2	1-3/4x1-3/4x3/16
K1819	69	65	33	4	20	2-1/2	1-3/4x1-3/4x3/16
K1820	75	72	36	4	18	2-1/2	1-3/4x1-3/4x3/16
K1821	75	72	36	4	22	2-1/2	1-3/4x1-3/4x3/16
K1822	75	72	36	4	22	2-1/2	2x2x3/16

FB

FLAT BRACES

Standards:
IEEE C135.90
ASTM A153
A1059 & AG3000.

Sicame flat cross arm braces are designed to support wood cross arms carrying tangent loads.
Rounded corners on the brace ends prevent damage and reduce the possibility of injury.
Minimum tensile strength at the bolt holes is 7,000 pounds. Hole centers are one inch from end of brace.
Braces Manufactured to latest revision ANSI specification.
Also available with custom hole sizes, Sicame is equipped to manufacture any variation on this spec as needed.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.



Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	Ø (in)	Ø1 (in)
K1420	20	18	1	1-1/4	1/4	9/16	7/16
K1422	22	20	1	1-1/4	1/4	9/16	7/16
K1424	24	22	1	1-1/4	1/4	9/16	7/16
K1426	26	24	1	1-1/4	1/4	9/16	7/16
K1428	28	26	1	1-1/4	1/4	9/16	7/16
K1430	30	28	1	1-1/4	1/4	9/16	7/16
K1432	32	30	1	1-1/4	1/4	9/16	7/16
K1436	36	34	1	1-1/4	1/4	9/16	7/16
K1412	14	12	1	1-1/4	1/4	9/16	7/16
***K1436SPL**	36	34	1	1-1/4	1/4	9/16	7/16
K1720	20	18	1	1-7/32	7/32	9/16	7/16
K1722	22	20	1	1-7/32	7/32	9/16	7/16
K1724	24	22	1	1-7/32	7/32	9/16	7/16
K1726	26	24	1	1-7/32	7/32	9/16	7/16
K1728	28	26	1	1-7/32	7/32	9/16	7/16
K1730	30	28	1	1-7/32	7/32	9/16	7/16
K1734	34	32	1	1-7/32	7/32	9/16	7/16

Custom

To request Armorgalv® finish add "TDG" to the end the of part number

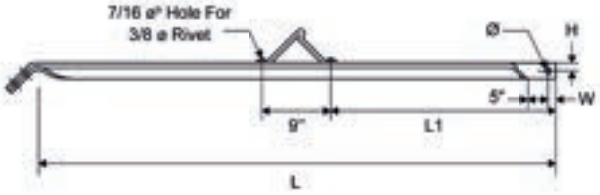
**SPECIAL CROSS ARM BRACE WITH 9/16" DIA HOLES ON EACH END*

ACAB

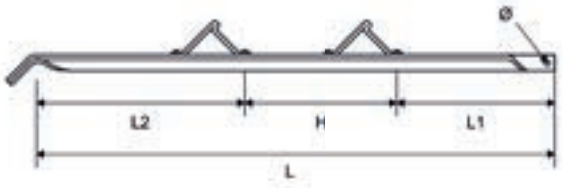
ALLEY CROSS ARM BRACES

Standards:
ANSI Specs

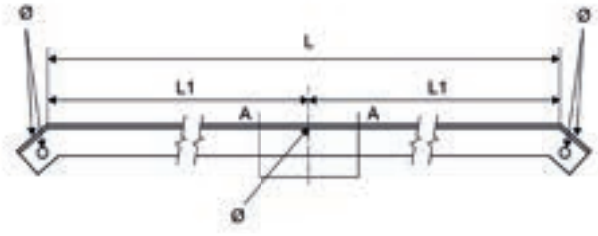
When a cross arm can be mounted on only one side of the pole, an alley cross arm brace may be used. Used correctly it will ensure the correct alignment of the power and distribution lines.
K1950 series Sicame alley arm braces are hot formed with equal leg angle. Care is taken at the bends to maintain a gap in the fold, allowing for proper galvanizing and corrosion prevention.
The brace and step are galvanized separately, then riveted with high strength aluminum alloy. Separately galvanizing step and brace prevents acid bleeding and future corrosion concerns. The step has an ex- aggerated lip at the end to create a stronger, more reliable foothold.
Sicame alley arm braces conform to latest revision ANSI specification. Recommended assembly for alley arm braces at a 45 degree angle.
K8300 series is similar to the K1950 series in construction but fabricated using heavy duty 2 1/2x2 ½ angle.
The K8309 has a second step.
K8511 angle alley arm brace is hot formed eliminating the need for a cold bend cut seen elsewhere in the industry. It is used for heavy-duty applications.



Type A



Type B



Type C

Ref.	L (in)	L1 (in)	L2 (in)	W (in)	H (in)	Ø (in)	Step	Material	Configuration
K1951	60	30	-	5/8	3/4	9/16	3/16x1¼	1½x1½x3/16	Type A
K1952	72	30	-	5/8	3/4	9/16	3/16x1¼	1½x1½x3/16	Type A
K1966	84	30	-	5/8	3/4	9/16	3/16x1¼	1½x1½x3/16	Type A
K1953	60	30	-	3/4	7/8	9/16	3/16x1½	1¾x1¾x3/16	Type A
K1954	84	30	-	3/4	7/8	11/16	3/16x1½	1¾x1¾x3/16	Type A
K1955	120	50	-	7/8	1	11/16	3/16x1¾	2x2x¼	Type A
K8308	7'0"	3'1"	3'11"	-	0	11/16	3/16 - 1 Step	2-1/2 x 2-1/2	Type B
K8309	10'0"	3'3"	4'6"	-	2'3"	11/16	3/16 - 2 Steps	2-1/2 x 2-1/2	Type B
K8511	8'	4'	-	-	-	11/16	No Steps	-	Type C Heavy duty

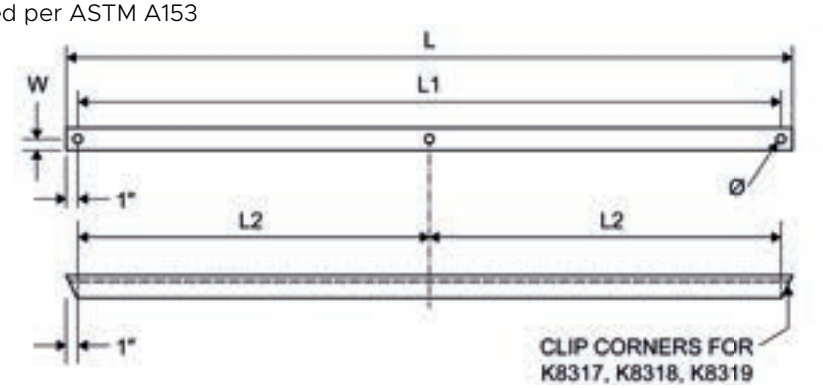
Steps

VB

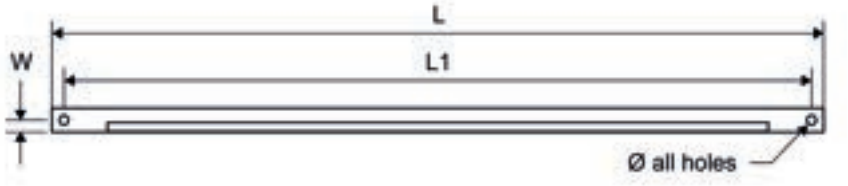
VERTICAL BRACES

Standards:
ASTM A123 / A153

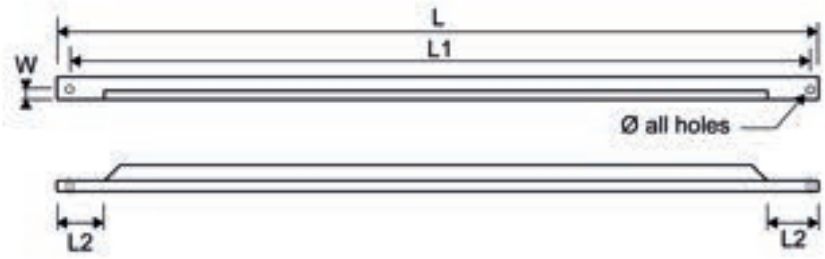
Vertical braces are used to support multiple cross arms, one above the other.
Hot dip galvanized per ASTM A153



Type 1



Type 2



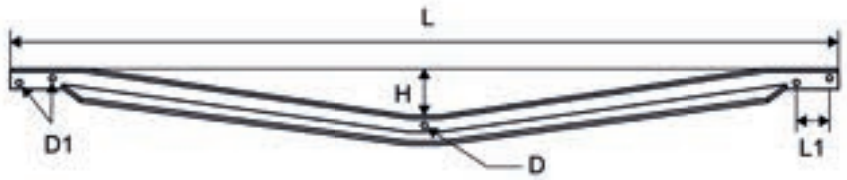
Type 3

Ref.	L (in)	L1 (in)	L2 (in)	W (in)	Ø (in)	Use	Material	Configuration
K8314	2'-2"	2'-0"	-	7/8	11/16	-	-	Type 1
K8315	3'-2"	3'-0"	-	7/8	11/16	-	-	Type 1
K8316	4'-2"	4'-0"	-	7/8	11/16	-	-	Type 1
K8317	5'-10"	5'-8"	-	1-1/8	11/16	Clip Corners	-	Type 1
K8318	6'-10"	6'-8"	3'-4"	1-1/8	11/16	Clip Corners	-	Type 1
K8319	8'-2"	8'-0"	4'-0"	1-3/8	11/16	Clip Corners	-	Type 1
K8400	38"	36"	-	7/8	11/16	Brace Vert. Angle 36"	CH 1-1/2 x 1-1/2 x 3/16	Type 2
K8401	156"	153"	-	7/8	11/16	Brace Alley Arm 13'	CH 2-1/2 x 2-1/2 x 3/16	Type 2
K8402	120"	117"	-	7/8	11/16	Brace Alley Arm 10'	CH 2 x 2 x 3/16	Type 2
K8403	84"	81"	-	7/8	11/16	Brace Alley Arm 7'	CH 2 x 2 x 3/16	Type 2
K8406	74"	72"	4-1/2	7/8	11/16	Brace Special Angle 6'	CH 2 x 2 x 3/16	Type 3
K8407	50"	48"	4-1/2	3/4	11/16	Brace Special Angle 4'	CH 1-3/4 x 1-3/4 x 3/16	Type 3

BACK BRACES

Standards:
ASTM A153

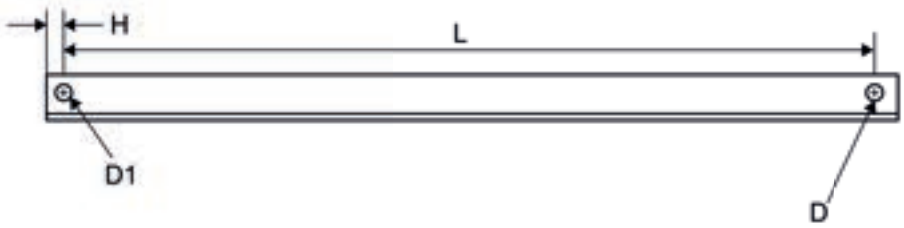
Sicame back braces are installed to reinforce wood crossarms at terminal poles, on corner construction, and where an angle in the line is necessary.
Hot dip galvanized per ASTM A153.



Type 1



Type 2



Ref.	L (in)	L1 (in)	H (in)	D (in)	D1 (in)	Thread	Material	Config.
K1984	48	4	7	11/16	9/16	Full brace	1-1/2 x 1-1/2 x 3/16 Angle	Type 1
K1985	60	4	7	11/16	9/16	Full brace	1-1/2 x 1-1/2 x 3/16 Angle	Type 1
K1986	72	4	7	11/16	9/16	Full brace	1-1/2 x 1-1/2 x 3/16 Angle	Type 1
K1987	94	4	7	11/16	9/16	Full brace	1-3/4 x 1-3/4 x 3/16 Angle	Type 1
K1988	109	4	7	11/16	9/16	Full brace	1-3/4 x 1-3/4 x 3/16 Angle	Type 1
K8516	37	2 1/2	1	11/16	11/16	Half brace	1-3/4 x 1-3/4 x 3/16 Angle	Type 2
K8517	28	2 1/2	1	11/16	11/16	Half brace	1-3/4 x 1-3/4 x 3/16 Angle	Type 2

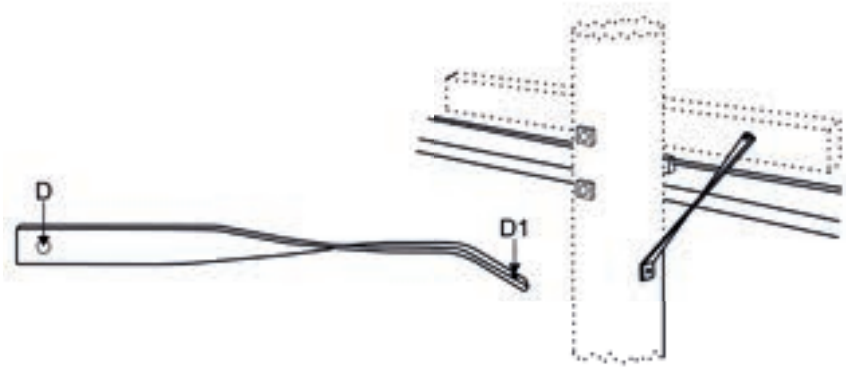
GA&RB

GUARD ARM & ROUND BRACES

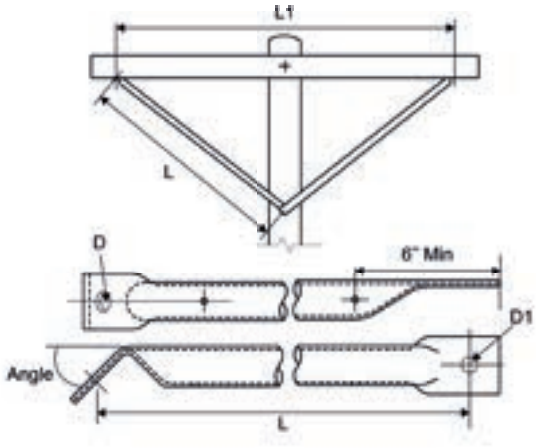
Standards:
ASTM A153

Sicame guard arm braces are attached to one side of the guard arm for additional support at those points on the pole where cable or drop wire is suspended.
Twists are hot fabricated and hot dip galvanized per latest revision ASTM Spec A153.
Mounting bolts and lag screws are extra and should be ordered separately.

Round cross arm braces for raptor protection.
Used in place of wood transmission cross arm braces when acceptable.
Applications requiring higher strength with the improved strength to weight ratio of pipe.
Ordering instructions: above catalog No.s and codes refer to one brace. The brace may be used in either the right or the left position. Order two braces per crossarm as shown.
Caution: when steel pipe braces are utilized there shall be 36" between the crossarm brace thru bolt and the next conducter level below.
Note: to provide raptor protection, steel crossarm braces should not be used on structures located within Bureau of Land Management areas.



Type 1



Type 2

Ref.	L (in)	L1 (in)	D (in)	D1 (in)	Thread	Angle	Configuration	Hole spacing
K1901	18	-	7/16	9/16	Guard arm brace		Type 1	1-1/4 x 1/4
K8226	54	84	13/16	11/16	Round brace	38.5	Type 2	-
K8227	60	96	13/16	11/16	Round brace	36.0	Type 2	-
K8228	66	108	13/16	11/16	Round brace	36.0	Type 2	-
K8229	84	132	13/16	11/16	Round brace	38.5	Type 2	-

Above Catalog No.s and Codes refer to one brace. The brace may be used in either the right or the left hand position. Order two braces per crossarm (as shown above).



09

Crossarms & gains

SCA

STEEL CROSSARMS

Standards:
ASTM A153

Dead-end steel cross arm are used as a single or double dead ending arms (please order additional eye nuts for double dead end use).
Holes punched for pin type insulators or post type insulators are provided to mount at one or both ends.
Cross Arm also available in other lengths and strengths upon request.
Hot dip galvanized per ASTM A153.



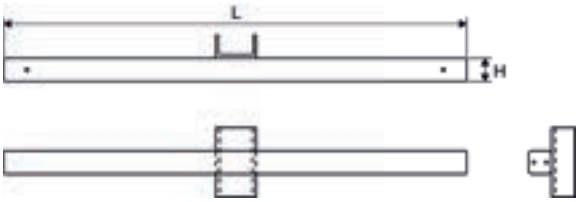
Ref.	Ø (in)	Use
K8398	13/16	Crossarm made with 4"x 5/4lb channel and 5" channel for the gain. Arm and gain are welded together with gussets each side to add strength and rigidity. Assembled with 5/8" Eye Bolts for dead ending. Mount to the pole with 5/8" Cross arm Bolts. Can be used

HSCA

HEAVY STEEL CROSSARMS

Standards:
ASTM A153

Dead-end steel cross arm are made out of heavy steel tubing.
They are used as a single or double dead ending arms (please order additional eye nuts for double dead end use).
Holes punched for pin type insulators or post type insulators are provided to mount at one or both ends.
Hot dip galvanized per ASTM A153.
Cross Arm also available in other lengths and strengths upon request.



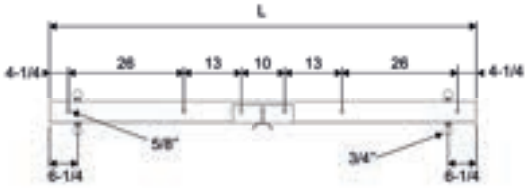
Ref.	L (in)	H (in)	Configuration
KM150020	7	6	-
KXREDDSTL10ARM	10	6	Heavy steel tube
KM150024	11	6	-
KM150025	14	6	-
KM154092	7	6	Deadend
KM154105	11	6	Deadend
KM154566	14	6	Deadend

FCA

FIBERGLASS DEADEND CROSSARMS

Dead-end fiberglass cross arm are used as a single or double dead ending arms (please order additional eye nuts for double dead end use).
Fiberglass crossarms are significantly lighter then wood crossarms and provide greater strength.
Fiberglass crossarm surfaces are thermally bonded to prevent weathering, add UV protection, and are impervious to insects.
Cross Arm also available in other lengths and strengths upon request.



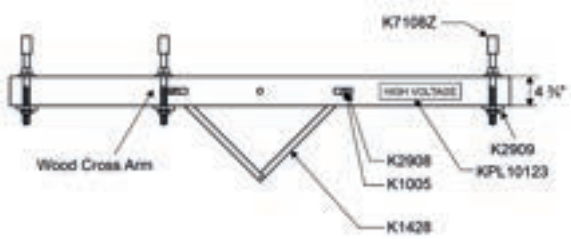


Ref.	L (in)	Ultimate vertical load per side (lbs)	Configuration
KFG2008	8	5 400	Heavy duty
KFG2009	9	4 600	Heavy duty
KFG2010	10	4 600	Heavy duty
KFG2012	12	3 500	Heavy duty

WCA

WOOD CROSSARMS

Sicame is a long-time, recognized supplier with a long experience in the supply of wood crossarm
Sicame wood crossarm assemblies save time and money.
Pre-assembled with quality Sicame hardware.
They are available in varying lengths, duties, and assemblies.
Please inquire with engineering for custom design requests.
Pictured is a generic assembly with pole top pins.
Dead end assemblies designed for dead end strength applications are also available.
Standard wood crossarm is 8ft long and made from douglas fir.

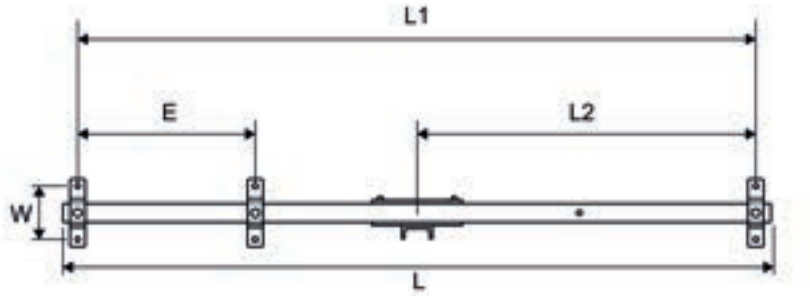


Ref.	H (in)
KSMUD10000803	4-3/4

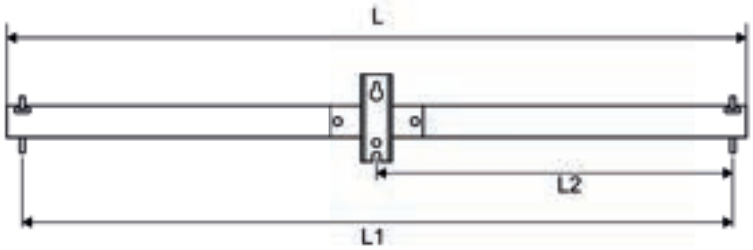
CUTOUT BRACKET ARMS

K8425, and custom cutout arms are available in hardwood and fiberglass with channel mounting brackets, and individual cutout mounting brackets.
Please call for testing data showing hardwood's improved numbers over apitong.
The AK8425CHANNEL mounting bracket provides additional strength.
Available as an assembled arm or individual components as needed.

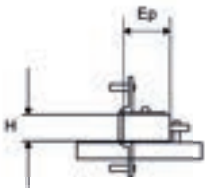




3 phases



2 phases



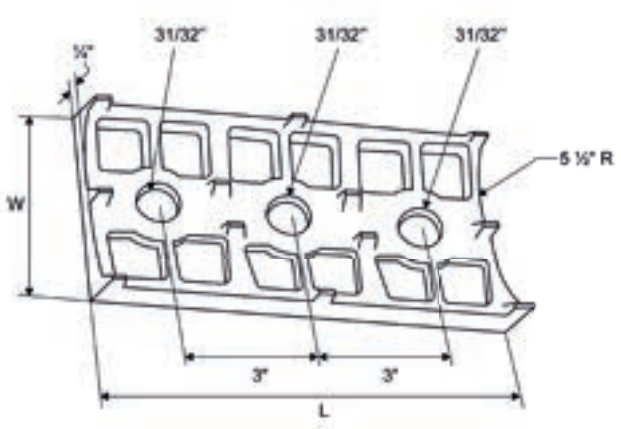
Ref.	L (in)	L1 (in)	L2 (in)	E (in)	Ep (in)	W (in)	H (in)	Use
K8425	96	92	46	24	4	7	2-1/8	3 Phases
KM180143	48	46	22	-	4	7	2-1/8	2 Phases

PG

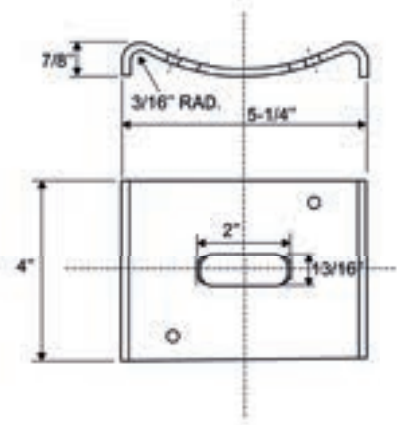
POLE GAINS

Standards:
IEEE C135.90
ASTM A153
A1059 & AG3000

K4325 Telephone design reinforces between cross arm and pole for improved rigidity.
Will accommodate 5/8 and ¾ bolts.
Steel Gain offers improved performance in fires over plastic designs.
Wood Grid Gains strengthen bolt connections by distributing load and allowing for drainage.
Available hot dip galvanized per ASTM A153 or Armorgalv® thermal diffusion galvanized per A1059 & AG3000.
(KXPG49 pictured)



Type 1



Type 2

Ref.	L (in)	W (in)	Configuration	Use	Type
KXPG46	6-3/4	4	GAIN, GRID 6-3/4 x 4	1 hole	Type 1
KXPG44	4	4	GAIN, GRID 4 x 4	1 hole	Type 1
KXPG49	9	4.5	GAIN, GRID 9 x 4,5	2 hole	Type 1
K4325	5-1/4	4	GAIN, POLE STEEL 4 X 5	-	Type 2

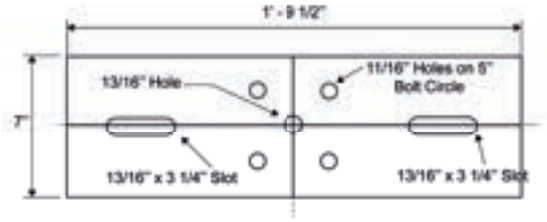
Custom
add BC to part number for "with Bonding Clip"
alternate hole sizes available upon request
To request Armorgalv® finish add "TDG" to the end the of part number

CARB

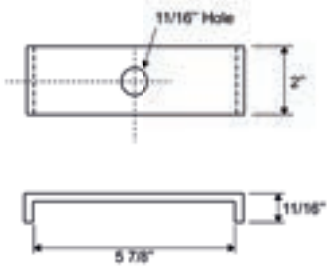
CROSS ARM REINFORCING BRACKET

Sicame cross arm reinforcing hardware is used in a wide array of applications to reinforce wood and add additional strength at points of excess strain.
Plates distribute the load in tension over a greater surface area and reinforce the wood fibers of a pole against shear resulting from excessive down pull.
These plates are the quiet workhorse of the pole line hardware industry.

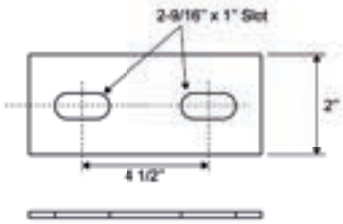
Custom specs and applications are available please inquire for further information.



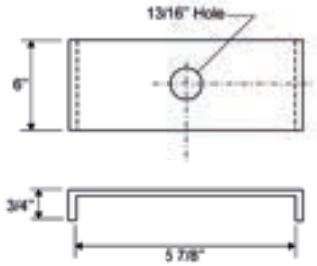
Type 1



Type 2



Type 3



Type 4

Ref.	Thread	Configuration	Type
K8399	Plate facilitates mounting a pin type insulator, line post insulator, or station post insulator to two crossarms	Double Arming	Type 1
K8341	Cross arm reinforcing plate prevents the armfrom splitting or checking and protect the wood fibers at points of strain.	CROSSARM BEARING	Type 2
K8343	-	U BOLT	Type 3
K8344	-	PIN BEARING	Type 4

Custom

To request Armorgalv® finish add "TDG" to the end the of part number.

10

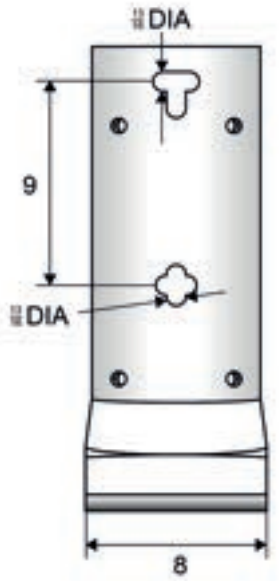
Specialty products

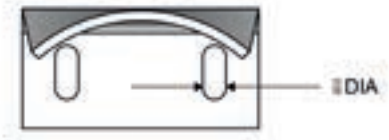
PTE

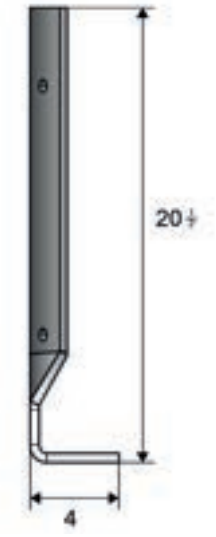
POLE TOP EXTENSIONS

Wood pole top extensions provide for additional length from 5'-8', while maintaining the same class of pole.
They are strong enough to guy and run attachments.
Extensions are bolted together with ¾" x 2-1/2" Grade 5 Hex Head Bolts, round washers, lock washers and heavy hex nuts (four each).
Extensions include mounts for detachable pole steps.
Provide ¾" gap between Top Pole Top Extension and New Pole section.
Provide 2 ¼" gap below pole top extension and existing pole to install nut and washer on bolt.
Please inquire for part number.









Ref.	L (in)	L1 (in)	W (in)	Ø (in)	Configuration
K8510	20-1/2	9	4	13/16	Note: Detachable pole step mounts are not shown in the above drawing, but are present in the final part.

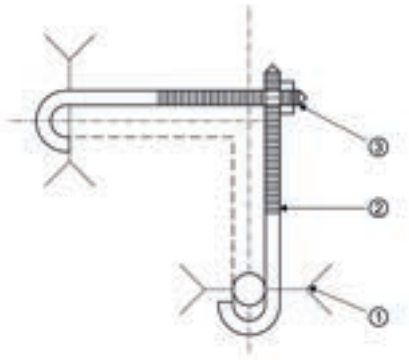
Speciality product

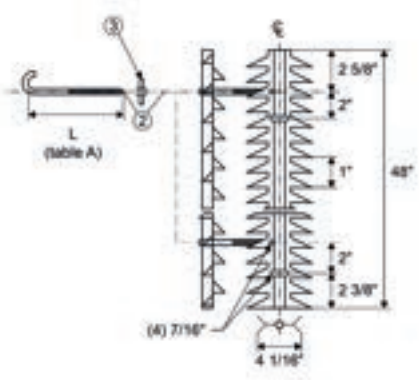
AC

ANTI CLIMBING

Standards:
ASTM A153

Features Anti Climbing Devices for lattice transmission towers, fencing, and other security applications, hot dip galvanized per ASTM spec.
Hardware included for quick attachment.





Ref.	L (in)	W (in)
KXACG-4	48	4-1/16

SWP

STATIC WIRE PEAK

Sicame OPGW static wire goat peaks are installed on transmission towers and available in varying designs.

Please inquire for additional information and capabilities. (9’ and 18’ Goat Peak reflected in drawings. Part numbers available upon request.)




SPEED SHOP

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